



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 #:
A0I0556**

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.

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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 0090782

Batch 0090841

Sequence 0I28031 (A0I0556-07,08,21,29,44,45)

Sequence 0I28032 (A0I0556-30,31,32,33,34,35,36,37,38)

Sequence 0I29025 (A0I0556-40,42)

Sequence 0I29063 (A0I0556-39.RE1,43RE1)

Sequence 0I29026 (QC Only)

Batch 0090905

Sequence 0J01024 (A0I0556-41RE1)

Calibration Data

Sequence 0I04008 (Cal ID A0I1008) DUALECD9F

Sequence 0I15055 (Cal ID A0I1705) DUALECD9R

Organochloride Pesticides by EPA 8081B

Benchsheet & Analysis Sequence Data

Batch 0100091

Sequence 0J06051 (A0I0556-04RE1,07RE1,08RE1,11RE1,
14RE1,17RE1,20RE1,21RE1,22RE1,23RE1,24RE1,28RE1)

Sequence 0J07055 (A0I0556-09RE1,10RE1,21RE2,27RE2)

Sequence 0J05048 (QC Only)

Batch 0090807

Sequence 0I29052 (A0I0556-29RE1,30RE1,31RE1,32RE1,33RE1,34RE1,
35RE1,36RE1,37RE1,38RE1,39RE1,40RE1,42RE1,43RE1,44RE1,45RE1)

Batch 0090860

Sequence 0I30064 (A0I0556-41RE1)

Batch 0100038

Sequence 0J02031 (A0I0556-48RE1)

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Calibration Data

Sequence 0G17041 (Cal ID A0G2005) DualECD8

Semivolatile Organic Compounds (PAHs) by EPA 8270D

Benchsheet & Analysis Sequence Data

Batch 0090743

Sequence 0I25025 (A0I0556-29,30,31,32,33,34,35,36,37,38,39,43,44,45)

Batch 0090828

Sequence 0I29037 (A0I0556-40RE1,41RE1,42RE1)

Calibration Data

Sequence 0H07053 (Cal ID A0H1005) SV-GCMS14

Conventional Chemistry Parameters

Benchsheet & Analysis Sequence Data

Total Organic Carbon- Soil (SM 5310 B)

Batch 0110194

Sequence 0K09056 (A0I0556-35,36,37,38,39)

Calibration Data

Sequence 0H18059 (Cal ID A0H1904) TOC6

Total Solids by SM2540G

Benchsheet Data

Batch 0090759 (A0I0556-29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45)

Batch 0090868 (A0I0556-04,48)

Batch 0090890 (A0I0556-08,09,10,11,14,17,20,21,22,23,24,27,28)

Batch 0100056 (A0I0556-07)

Balance Checksheets

Extractions September 2020

Extractions October 2020

Wet Chem September 2020

Wet Chem October 2020

Analytical Case Narrative

Analytical Case Narrative

Client: Anchor QEA, LLC

Date: 11/FG2020

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

Apex Work Order Number: A0I0556

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



AMENDED REPORT

Wednesday, November 11, 2020

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

RE: A010556 - 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 A010556, which was received by the laboratory on 5/7/2020 at 10:07:00AM.

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 -20.0 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.



AMENDED REPORT

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: A0I0556 - 11 11 20 0423
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-048SC-A-08-09-200506	A0I0556-01	SE	05/06/20 11:29	05/07/20 10:07
PDI-048SC-A-09-10-200506	A0I0556-02	SE	05/06/20 11:29	05/07/20 10:07
PDI-048SC-A-10-11-200506	A0I0556-03	SE	05/06/20 11:29	05/07/20 10:07
PDI-048SC-A-08-11-200506	A0I0556-04	SE	05/06/20 11:15	05/07/20 10:07
PDI-069SC-A-08-09-191016	A0I0556-05	SE	10/16/19 10:35	05/07/20 10:07
PDI-069SC-A-09-10-191016	A0I0556-06	SE	10/16/19 10:35	05/07/20 10:07
PDI-069SC-B-08-10-191016	A0I0556-07	SE	10/16/19 10:38	05/07/20 10:07
PDI-069SC-A-10-11-191016	A0I0556-08	SE	10/16/19 10:35	05/07/20 10:07
PDI-073SC-A-08-09-191013	A0I0556-09	SE	10/13/19 10:41	05/07/20 10:07
PDI-073SC-A-09-10-191013	A0I0556-10	SE	10/13/19 10:41	05/07/20 10:07
PDI-073SC-A-10-11-191013	A0I0556-11	SE	10/13/19 10:41	05/07/20 10:07
PDI-075SC-A-08-09-191013	A0I0556-12	SE	10/13/19 07:32	05/07/20 10:07
PDI-075SC-A-09-10-191013	A0I0556-13	SE	10/13/19 07:32	05/07/20 10:07
PDI-075SC-B-08-10-191013	A0I0556-14	SE	10/13/19 07:35	05/07/20 10:07
PDI-075SC-A-10-11-191013	A0I0556-15	SE	10/13/19 07:32	05/07/20 10:07
PDI-075SC-A-11-12-191013	A0I0556-16	SE	10/13/19 07:32	05/07/20 10:07
PDI-075SC-B-10-12-191013	A0I0556-17	SE	10/13/19 07:35	05/07/20 10:07
PDI-075SC-A-12-13-191013	A0I0556-18	SE	10/13/19 07:32	05/07/20 10:07
PDI-075SC-A-13-14-191013	A0I0556-19	SE	10/13/19 07:32	05/07/20 10:07
PDI-075SC-B-12-14-191013	A0I0556-20	SE	10/13/19 07:35	05/07/20 10:07
PDI-078SC-A-07-08-200505	A0I0556-21	SE	05/05/20 10:50	05/07/20 10:07
PDI-079SC-B-06-08-191014	A0I0556-22	SE	10/14/19 13:15	05/07/20 10:07
PDI-083SC-A-08-09-191022	A0I0556-23	SE	10/22/19 14:07	05/07/20 10:07
PDI-083SC-A-09-10-191022	A0I0556-24	SE	10/22/19 14:07	05/07/20 10:07
PDI-083SC-A-10-11-191022	A0I0556-25	SE	10/22/19 14:07	05/07/20 10:07
PDI-083SC-A-11-12-191022	A0I0556-26	SE	10/22/19 14:07	05/07/20 10:07
PDI-083SC-B-10-12-191022	A0I0556-27	SE	10/22/19 14:05	05/07/20 10:07
PDI-083SC-A-14-15-191022	A0I0556-28	SE	10/22/19 14:07	05/07/20 10:07
PDI-171SC-A-01-02-200521	A0I0556-29	SE	05/21/20 15:15	05/07/20 10:07
PDI-171SC-A-02-03-200521	A0I0556-30	SE	05/21/20 15:15	05/07/20 10:07
PDI-171SC-A-03-04-200521	A0I0556-31	SE	05/21/20 15:15	05/07/20 10:07
PDI-171SC-A-04-05-200521	A0I0556-32	SE	05/21/20 15:15	05/07/20 10:07
PDI-171SC-A-05-06-200521	A0I0556-33	SE	05/21/20 15:15	05/07/20 10:07

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AMENDED REPORT

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: A0I0556 - 11 11 20 0423
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-171SC-A-06-07-200521	A0I0556-34	SE	05/21/20 15:15	05/07/20 10:07
PDI-173SC-A-01-02-200521	A0I0556-35	SE	05/21/20 11:45	05/07/20 10:07
PDI-173SC-A-02-03-200521	A0I0556-36	SE	05/21/20 11:45	05/07/20 10:07
PDI-173SC-A-03-04-200521	A0I0556-37	SE	05/21/20 11:45	05/07/20 10:07
PDI-174SC-A-01-02-200521	A0I0556-38	SE	05/21/20 12:10	05/07/20 10:07
PDI-174SC-A-02-03-200521	A0I0556-39	SE	05/21/20 12:10	05/07/20 10:07
PDI-018SC-A-00-01-190926	A0I0556-40	SE	09/26/19 08:54	05/07/20 10:07
PDI-018SC-A-01-02-190926	A0I0556-41	SE	09/26/19 08:54	05/07/20 10:07
PDI-018SC-A-02-03-190926	A0I0556-42	SE	09/26/19 08:54	05/07/20 10:07
PDI-018SC-A-03-04-190926	A0I0556-43	SE	09/26/19 08:54	05/07/20 10:07
PDI-018SC-A-04-05-190926	A0I0556-44	SE	09/26/19 08:54	05/07/20 10:07
PDI-018SC-A-05-06-190926	A0I0556-45	SE	09/26/19 08:54	05/07/20 10:07
PDI-083SC-B-12-14-191022	A0I0556-48	SE	10/22/19 14:05	05/07/20 10:07

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AMENDED REPORT

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: A0I0556 - 11 11 20 0423
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ANALYTICAL CASE NARRATIVE

Work Order: A0I0556

Amended Report Revision 3:

Additional TOC Data Reported-

This report supersedes all previous reports.

At client request, five additional samples were analyzed and reported for TOC.

Darrell Auvil
Project Manager
11/10/2020

Amended Report Revision 2:

Sample Identification Changes-

This report supersedes all previous reports.

At the request of the client, the following sample IDs have been changed:

- PDI-069SC-A-08-10-191016 is now PDI-069SC-B-08-10-191016 (Apex ID: A0I0556-07)
- PDI-075SC-A-08-10-191013 is now PDI-075SC-B-08-10-191013 (Apex ID: A0I0556-14)
- PDI-075SC-A-10-12-191013 is now PDI-075SC-B-10-12-191013 (Apex ID: A0I0556-17)
- PDI-075SC-A-12-14-191013 is now PDI-075SC-B-12-14-191013 (Apex ID: A0I0556-20)
- PDI-083SC-A-10-12-191022 is now PDI-083SC-B-10-12-191022 (Apex ID: A0I0556-27)
- PDI-083SC-A-12-14-191022 is now PDI-083SC-B-12-14-191022 (Apex ID: A0I0556-48)

Darrell Auvil
Project Manager
10/30/2020

Amended Report Revision 1:

Sample Identification Change-

This report supersedes all previous reports.

At client request, the following sample ID has been changed:

- PDI-069SC-A-08-10-191016 is now PDI-069SC-B-08-10-191016 (Apex ID: A0I0556-07)

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Apex Laboratories, LLC

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

AMENDED REPORT

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: A010556 - 11 11 20 0423
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Darrell Auvil
Project Manager
10/22/2020

Sample Identification Changes-

At the request of the client, the following sample IDs have been edited from the original chain of custody:

- PDI-069SC-B-08-10-191016 is now PDI-069SC-A-08-10-191016 (Apex ID: A010556-07)
- PDI-075SC-B-08-10-191013 is now PDI-075SC-A-08-10-191013 (Apex ID: A010556-14)
- PDI-075SC-B-10-12-191013 is now PDI-075SC-A-10-12-191013 (Apex ID: A010556-17)
- PDI-075SC-B-12-14-191013 is now PDI-075SC-A-12-14-191013 (Apex ID: A010556-20)
- PDI-083SC-B-10-12-191022 is now PDI-083SC-A-10-12-191022 (Apex ID: A010556-27)
- PDI-083SC-B-12-14-191022 is now PDI-083SC-A-12-14-191022 (Apex ID: A010556-48)

Darrell Auvil
Project Manager
10/19/2020

Apex Laboratories

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-069SC-B-08-10-191016 (A010556-07)			Matrix: SE		Batch: 0090782		C-07		
Aroclor 1016	ND	2.04	2.04	ug/kg dry	1	09/28/20 14:31	EPA 8082A		
Aroclor 1221	ND	1.03	2.04	ug/kg dry	1	09/28/20 14:31	EPA 8082A		
Aroclor 1232	ND	5.07	5.07	ug/kg dry	1	09/28/20 14:31	EPA 8082A	R-02	
Aroclor 1242	ND	2.76	2.76	ug/kg dry	1	09/28/20 14:31	EPA 8082A	R-02	
Aroclor 1248	ND	4.30	4.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	R-02	
Aroclor 1254	ND	4.30	4.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	R-02	
Aroclor 1260	ND	3.84	3.84	ug/kg dry	1	09/28/20 14:31	EPA 8082A	R-02	
Aroclor 1262	ND	1.03	2.04	ug/kg dry	1	09/28/20 14:31	EPA 8082A		
Aroclor 1268	ND	1.03	2.04	ug/kg dry	1	09/28/20 14:31	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 40 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 14:31</i>	<i>EPA 8082A</i>	<i>S-03</i>
PDI-069SC-A-10-11-191016 (A010556-08)			Matrix: SE		Batch: 0090782		C-07		
Aroclor 1016	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1221	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1232	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1242	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1248	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1254	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1260	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1262	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
Aroclor 1268	ND	1.20	2.38	ug/kg dry	1	09/28/20 15:42	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 53 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 15:42</i>	<i>EPA 8082A</i>	
PDI-078SC-A-07-08-200505 (A010556-21)			Matrix: SE		Batch: 0090782		C-07		
Aroclor 1016	ND	4.04	4.04	ug/kg dry	1	09/28/20 16:18	EPA 8082A	R-02	
Aroclor 1221	ND	10.0	10.0	ug/kg dry	1	09/28/20 16:18	EPA 8082A	R-02	
Aroclor 1232	ND	10.5	10.5	ug/kg dry	1	09/28/20 16:18	EPA 8082A	R-02	
Aroclor 1242	ND	5.99	5.99	ug/kg dry	1	09/28/20 16:18	EPA 8082A	R-02	
Aroclor 1248	ND	21.0	21.0	ug/kg dry	1	09/28/20 16:18	EPA 8082A	R-02	
Aroclor 1254	ND	21.2	21.2	ug/kg dry	1	09/28/20 16:18	EPA 8082A	R-02	
Aroclor 1260	19.0	1.08	2.15	ug/kg dry	1	09/28/20 16:18	EPA 8082A		
Aroclor 1262	ND	1.08	2.15	ug/kg dry	1	09/28/20 16:18	EPA 8082A		
Aroclor 1268	ND	1.08	2.15	ug/kg dry	1	09/28/20 16:18	EPA 8082A		

Apex Laboratories

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-078SC-A-07-08-200505 (A010556-21)				Matrix: SE		Batch: 0090782		C-07
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 112 %</i>		<i>Limits: 43-120 %</i>		<i>1 09/28/20 16:18 EPA 8082A</i>		
PDI-171SC-A-01-02-200521 (A010556-29)				Matrix: SE		Batch: 0090782		C-07
Aroclor 1016	ND	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1221	ND	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1232	ND	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1242	ND	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1248	ND	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1254	3.51	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	P-12
Aroclor 1260	2.24	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	J
Aroclor 1262	ND	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1268	ND	1.17	2.33	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 43-120 %</i>		<i>1 09/28/20 16:54 EPA 8082A</i>		
PDI-171SC-A-02-03-200521 (A010556-30)				Matrix: SE		Batch: 0090782		C-07
Aroclor 1016	ND	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	
Aroclor 1221	ND	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	
Aroclor 1232	ND	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	
Aroclor 1242	ND	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	
Aroclor 1248	ND	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	
Aroclor 1254	4.99	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	P-12
Aroclor 1260	2.47	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	J
Aroclor 1262	ND	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	
Aroclor 1268	ND	1.52	3.02	ug/kg dry	1	09/28/20 13:55	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 43-120 %</i>		<i>1 09/28/20 13:55 EPA 8082A</i>		
PDI-171SC-A-03-04-200521 (A010556-31)				Matrix: SE		Batch: 0090782		C-07
Aroclor 1016	ND	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	
Aroclor 1221	ND	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	
Aroclor 1232	ND	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	
Aroclor 1242	ND	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	
Aroclor 1248	ND	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	
Aroclor 1254	4.15	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	P-12
Aroclor 1260	1.63	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	J

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-03-04-200521 (A010556-31)				Matrix: SE		Batch: 0090782		C-07
Aroclor 1262	ND	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	
Aroclor 1268	ND	1.16	2.30	ug/kg dry	1	09/28/20 14:31	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 14:31</i>	<i>EPA 8082A</i>
PDI-171SC-A-04-05-200521 (A010556-32)				Matrix: SE		Batch: 0090782		C-07
Aroclor 1016	ND	2.20	2.20	ug/kg dry	1	09/28/20 15:07	EPA 8082A	
Aroclor 1221	ND	1.11	2.20	ug/kg dry	1	09/28/20 15:07	EPA 8082A	
Aroclor 1232	ND	2.48	2.48	ug/kg dry	1	09/28/20 15:07	EPA 8082A	R-02
Aroclor 1242	ND	2.20	2.20	ug/kg dry	1	09/28/20 15:07	EPA 8082A	
Aroclor 1248	ND	4.62	4.62	ug/kg dry	1	09/28/20 15:07	EPA 8082A	R-02
Aroclor 1254	ND	7.10	7.10	ug/kg dry	1	09/28/20 15:07	EPA 8082A	R-02
Aroclor 1260	2.26	1.11	2.20	ug/kg dry	1	09/28/20 15:07	EPA 8082A	EST
Aroclor 1262	ND	1.11	2.20	ug/kg dry	1	09/28/20 15:07	EPA 8082A	
Aroclor 1268	ND	1.11	2.20	ug/kg dry	1	09/28/20 15:07	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 15:07</i>	<i>EPA 8082A</i>
PDI-171SC-A-05-06-200521 (A010556-33)				Matrix: SE		Batch: 0090782		C-07
Aroclor 1016	ND	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	
Aroclor 1221	ND	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	
Aroclor 1232	ND	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	
Aroclor 1242	1.10	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	J
Aroclor 1248	ND	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	
Aroclor 1254	3.25	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	P-12
Aroclor 1260	1.75	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	J
Aroclor 1262	ND	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	
Aroclor 1268	ND	0.935	1.86	ug/kg dry	1	09/28/20 15:42	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 15:42</i>	<i>EPA 8082A</i>
PDI-171SC-A-06-07-200521 (A010556-34)				Matrix: SE		Batch: 0090782		C-07
Aroclor 1016	ND	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	
Aroclor 1221	ND	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	
Aroclor 1232	ND	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	
Aroclor 1242	5.43	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	P-12

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-06-07-200521 (A010556-34)			Matrix: SE		Batch: 0090782		C-07	
Aroclor 1248	ND	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	
Aroclor 1254	13.6	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	P-12
Aroclor 1260	8.13	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	P-12
Aroclor 1262	ND	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	
Aroclor 1268	ND	0.946	1.88	ug/kg dry	1	09/28/20 16:18	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 16:18</i>	<i>EPA 8082A</i>
PDI-173SC-A-01-02-200521 (A010556-35)			Matrix: SE		Batch: 0090782		C-07	
Aroclor 1016	ND	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1221	ND	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1232	ND	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1242	ND	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1248	ND	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1254	6.96	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	P-12
Aroclor 1260	1.74	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	P-12
Aroclor 1262	ND	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
Aroclor 1268	ND	0.824	1.64	ug/kg dry	1	09/28/20 16:54	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 16:54</i>	<i>EPA 8082A</i>
PDI-173SC-A-02-03-200521 (A010556-36)			Matrix: SE		Batch: 0090782		C-07	
Aroclor 1016	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1221	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1232	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1242	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1248	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1254	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1260	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1262	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
Aroclor 1268	ND	0.872	1.73	ug/kg dry	1	09/28/20 18:05	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 18:05</i>	<i>EPA 8082A</i>
PDI-173SC-A-03-04-200521 (A010556-37)			Matrix: SE		Batch: 0090782		C-07	
Aroclor 1016	ND	1.86	1.86	ug/kg dry	1	09/28/20 18:41	EPA 8082A	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-173SC-A-03-04-200521 (A010556-37)			Matrix: SE		Batch: 0090782		C-07	
Aroclor 1221	ND	0.938	1.86	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1232	ND	2.94	2.94	ug/kg dry	1	09/28/20 18:41	EPA 8082A	R-02
Aroclor 1242	ND	2.38	2.38	ug/kg dry	1	09/28/20 18:41	EPA 8082A	R-02
Aroclor 1248	ND	2.52	2.52	ug/kg dry	1	09/28/20 18:41	EPA 8082A	R-02
Aroclor 1254	4.21	0.938	1.86	ug/kg dry	1	09/28/20 18:41	EPA 8082A	P-12
Aroclor 1260	2.28	0.938	1.86	ug/kg dry	1	09/28/20 18:41	EPA 8082A	P-12
Aroclor 1262	ND	0.938	1.86	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1268	ND	0.938	1.86	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 96 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 18:41</i>	<i>EPA 8082A</i>
PDI-174SC-A-01-02-200521 (A010556-38)			Matrix: SE		Batch: 0090782		C-07	
Aroclor 1016	ND	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1221	ND	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1232	ND	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1242	ND	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1248	ND	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1254	1.55	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	J
Aroclor 1260	0.895	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	J
Aroclor 1262	ND	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1268	ND	0.841	1.67	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 19:17</i>	<i>EPA 8082A</i>
PDI-174SC-A-02-03-200521 (A010556-39RE1)			Matrix: SE		Batch: 0090782		C-07	
Aroclor 1016	ND	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	
Aroclor 1221	ND	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	
Aroclor 1232	ND	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	
Aroclor 1242	1.76	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	P-12
Aroclor 1248	ND	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	
Aroclor 1254	4.12	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	P-12
Aroclor 1260	8.65	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	P-12
Aroclor 1262	ND	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	
Aroclor 1268	6.10	0.841	1.67	ug/kg dry	1	09/29/20 22:31	EPA 8082A	P-12
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 115 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/29/20 22:31</i>	<i>EPA 8082A</i>

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-018SC-A-00-01-190926 (A010556-40)				Matrix: SE		Batch: 0090782		C-07, H-08
Aroclor 1016	ND	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	
Aroclor 1221	ND	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	
Aroclor 1232	ND	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	
Aroclor 1242	1.13	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	J
Aroclor 1248	ND	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	
Aroclor 1254	1.78	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	P-12
Aroclor 1260	1.00	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	J
Aroclor 1262	ND	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	
Aroclor 1268	ND	0.751	1.49	ug/kg dry	1	09/29/20 08:12	EPA 8082A	

Surrogate: Decachlorobiphenyl (Surr) Recovery: 102 % Limits: 43-120 % 1 09/29/20 08:12 EPA 8082A

PDI-018SC-A-01-02-190926 (A010556-41RE1)				Matrix: SE		Batch: 0090905		C-07, H-08, R-04
Aroclor 1016	ND	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	
Aroclor 1221	ND	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	
Aroclor 1232	ND	3.07	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	
Aroclor 1242	ND	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	
Aroclor 1248	ND	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	
Aroclor 1254	2.76	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	J
Aroclor 1260	ND	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	
Aroclor 1262	ND	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	
Aroclor 1268	ND	1.55	3.07	ug/kg dry	1	10/01/20 08:56	EPA 8082A	

Surrogate: Decachlorobiphenyl (Surr) Recovery: 61 % Limits: 43-120 % 1 10/01/20 08:56 EPA 8082A

PDI-018SC-A-02-03-190926 (A010556-42)				Matrix: SE		Batch: 0090782		C-07, H-08
Aroclor 1016	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1221	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1232	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1242	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1248	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1254	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1260	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1262	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	
Aroclor 1268	ND	0.909	1.80	ug/kg dry	1	09/29/20 09:24	EPA 8082A	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-018SC-A-02-03-190926 (A010556-42)				Matrix: SE		Batch: 0090782		C-07, H-08
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/29/20 09:24</i>	<i>EPA 8082A</i>
PDI-018SC-A-03-04-190926 (A010556-43RE1)				Matrix: SE		Batch: 0090841		C-07, H-08
Aroclor 1016	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1221	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1232	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1242	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1248	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1254	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1260	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1262	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
Aroclor 1268	ND	0.976	1.94	ug/kg dry	1	09/29/20 21:55	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 50 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/29/20 21:55</i>	<i>EPA 8082A</i>
PDI-018SC-A-04-05-190926 (A010556-44)				Matrix: SE		Batch: 0090782		C-07, H-08, R-04
Aroclor 1016	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1221	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1232	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1242	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1248	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1254	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1260	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1262	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
Aroclor 1268	ND	1.89	3.74	ug/kg dry	1	09/28/20 18:41	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 18:41</i>	<i>EPA 8082A</i>
PDI-018SC-A-05-06-190926 (A010556-45)				Matrix: SE		Batch: 0090782		H-08, C-07
Aroclor 1016	ND	1.85	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1221	ND	3.66	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1232	ND	1.85	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1242	ND	1.85	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1248	ND	1.85	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1254	ND	5.23	5.23	ug/kg dry	1	09/28/20 19:17	EPA 8082A	R-02
Aroclor 1260	8.21	1.85	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	

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

AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-018SC-A-05-06-190926 (A010556-45)				Matrix: SE		Batch: 0090782		H-08, C-07
Aroclor 1262	ND	1.85	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
Aroclor 1268	ND	1.85	3.66	ug/kg dry	1	09/28/20 19:17	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>09/28/20 19:17</i>	<i>EPA 8082A</i>

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-048SC-A-08-11-200506 (A010556-04RE1)				Matrix: SE		Batch: 0100091		C-05, H-08	
2,4'-DDD	383	17.2	34.4	ug/kg dry	5	10/07/20 01:28	EPA 8081B		
2,4'-DDE	ND	146	146	ug/kg dry	5	10/07/20 01:28	EPA 8081B	R-02	
2,4'-DDT	ND	91.2	91.2	ug/kg dry	5	10/07/20 01:28	EPA 8081B	R-02	
4,4'-DDD	634	17.2	34.4	ug/kg dry	5	10/07/20 01:28	EPA 8081B		
4,4'-DDE	ND	119	119	ug/kg dry	5	10/07/20 01:28	EPA 8081B	R-02	
4,4'-DDT	ND	75.7	75.7	ug/kg dry	5	10/07/20 01:28	EPA 8081B	R-02	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 323 %</i>		<i>Limits: 42-129 %</i>		5	10/07/20 01:28	EPA 8081B	S-03
<i>Decachlorobiphenyl (Surr)</i>		<i>199 %</i>		<i>55-130 %</i>		5	10/07/20 01:28	EPA 8081B	S-03
PDI-069SC-B-08-10-191016 (A010556-07RE1)				Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	15.2	30.3	ug/kg dry	5	10/07/20 02:42	EPA 8081B		
2,4'-DDE	ND	30.3	30.3	ug/kg dry	5	10/07/20 02:42	EPA 8081B		
2,4'-DDT	ND	30.3	30.3	ug/kg dry	5	10/07/20 02:42	EPA 8081B		
4,4'-DDD	ND	30.3	30.3	ug/kg dry	5	10/07/20 02:42	EPA 8081B		
4,4'-DDE	ND	15.2	30.3	ug/kg dry	5	10/07/20 02:42	EPA 8081B		
4,4'-DDT	ND	31.8	31.8	ug/kg dry	5	10/07/20 02:42	EPA 8081B	R-02	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 126 %</i>		<i>Limits: 42-129 %</i>		5	10/07/20 02:42	EPA 8081B	
<i>Decachlorobiphenyl (Surr)</i>		<i>114 %</i>		<i>55-130 %</i>		5	10/07/20 02:42	EPA 8081B	
PDI-069SC-A-10-11-191016 (A010556-08RE1)				Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	17.5	35.1	ug/kg dry	5	10/07/20 03:19	EPA 8081B		
2,4'-DDE	ND	17.5	35.1	ug/kg dry	5	10/07/20 03:19	EPA 8081B		
2,4'-DDT	ND	17.5	35.1	ug/kg dry	5	10/07/20 03:19	EPA 8081B		
4,4'-DDD	ND	17.5	35.1	ug/kg dry	5	10/07/20 03:19	EPA 8081B		
4,4'-DDE	ND	17.5	35.1	ug/kg dry	5	10/07/20 03:19	EPA 8081B		
4,4'-DDT	ND	17.5	35.1	ug/kg dry	5	10/07/20 03:19	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 42-129 %</i>		5	10/07/20 03:19	EPA 8081B	
<i>Decachlorobiphenyl (Surr)</i>		<i>105 %</i>		<i>55-130 %</i>		5	10/07/20 03:19	EPA 8081B	
PDI-073SC-A-08-09-191013 (A010556-09RE1)				Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	7.54	15.1	ug/kg dry	5	10/07/20 16:07	EPA 8081B		
2,4'-DDE	ND	7.54	15.1	ug/kg dry	5	10/07/20 16:07	EPA 8081B		
2,4'-DDT	ND	7.54	15.1	ug/kg dry	5	10/07/20 16:07	EPA 8081B		
4,4'-DDD	ND	7.54	15.1	ug/kg dry	5	10/07/20 16:07	EPA 8081B		

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-073SC-A-08-09-191013 (A010556-09RE1)			Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
4,4'-DDE	ND	7.54	15.1	ug/kg dry	5	10/07/20 16:07	EPA 8081B	
4,4'-DDT	ND	15.1	15.1	ug/kg dry	5	10/07/20 16:07	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>10/07/20 16:07</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>126 %</i>		<i>55-130 %</i>		<i>5</i>	<i>10/07/20 16:07</i>	<i>EPA 8081B</i>
PDI-073SC-A-09-10-191013 (A010556-10RE1)			Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	24.0	24.0	ug/kg dry	2	10/07/20 16:44	EPA 8081B	R-02
2,4'-DDE	ND	12.6	12.6	ug/kg dry	2	10/07/20 16:44	EPA 8081B	
2,4'-DDT	ND	12.6	12.6	ug/kg dry	2	10/07/20 16:44	EPA 8081B	
4,4'-DDD	ND	12.6	12.6	ug/kg dry	2	10/07/20 16:44	EPA 8081B	
4,4'-DDE	ND	6.31	12.6	ug/kg dry	2	10/07/20 16:44	EPA 8081B	
4,4'-DDT	ND	47.9	47.9	ug/kg dry	2	10/07/20 16:44	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/07/20 16:44</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>113 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/07/20 16:44</i>	<i>EPA 8081B</i>
PDI-073SC-A-10-11-191013 (A010556-11RE1)			Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	20.2	20.2	ug/kg dry	2	10/06/20 19:05	EPA 8081B	R-02
2,4'-DDE	ND	24.2	24.2	ug/kg dry	2	10/06/20 19:05	EPA 8081B	R-02
2,4'-DDT	ND	28.9	28.9	ug/kg dry	2	10/06/20 19:05	EPA 8081B	R-02
4,4'-DDD	ND	21.9	21.9	ug/kg dry	2	10/06/20 19:05	EPA 8081B	R-02
4,4'-DDE	ND	31.2	31.2	ug/kg dry	2	10/06/20 19:05	EPA 8081B	R-02
4,4'-DDT	ND	80.8	80.8	ug/kg dry	2	10/06/20 19:05	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/06/20 19:05</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>127 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/06/20 19:05</i>	<i>EPA 8081B</i>
PDI-075SC-B-08-10-191013 (A010556-14RE1)			Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	6.48	13.0	ug/kg dry	2	10/06/20 19:42	EPA 8081B	
2,4'-DDE	ND	6.48	13.0	ug/kg dry	2	10/06/20 19:42	EPA 8081B	
2,4'-DDT	ND	6.48	13.0	ug/kg dry	2	10/06/20 19:42	EPA 8081B	
4,4'-DDD	ND	6.48	13.0	ug/kg dry	2	10/06/20 19:42	EPA 8081B	
4,4'-DDE	ND	6.48	13.0	ug/kg dry	2	10/06/20 19:42	EPA 8081B	
4,4'-DDT	ND	13.0	13.0	ug/kg dry	2	10/06/20 19:42	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/06/20 19:42</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>96 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/06/20 19:42</i>	<i>EPA 8081B</i>

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-075SC-B-10-12-191013 (A010556-17RE1)				Matrix: SE		Batch: 0100091		H-08, R-04, C-05
2,4'-DDD	ND	3.26	6.52	ug/kg dry	2	10/06/20 20:19	EPA 8081B	
2,4'-DDE	ND	3.26	6.52	ug/kg dry	2	10/06/20 20:19	EPA 8081B	
2,4'-DDT	ND	3.26	6.52	ug/kg dry	2	10/06/20 20:19	EPA 8081B	
4,4'-DDD	ND	3.26	6.52	ug/kg dry	2	10/06/20 20:19	EPA 8081B	
4,4'-DDE	ND	3.26	6.52	ug/kg dry	2	10/06/20 20:19	EPA 8081B	
4,4'-DDT	ND	3.26	6.52	ug/kg dry	2	10/06/20 20:19	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/06/20 20:19</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>102 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/06/20 20:19</i>	<i>EPA 8081B</i>
PDI-075SC-B-12-14-191013 (A010556-20RE1)				Matrix: SE		Batch: 0100091		C-05, H-08, R-04
2,4'-DDD	ND	2.99	5.99	ug/kg dry	2	10/06/20 21:46	EPA 8081B	
2,4'-DDE	ND	2.99	5.99	ug/kg dry	2	10/06/20 21:46	EPA 8081B	
2,4'-DDT	ND	2.99	5.99	ug/kg dry	2	10/06/20 21:46	EPA 8081B	
4,4'-DDD	ND	2.99	5.99	ug/kg dry	2	10/06/20 21:46	EPA 8081B	
4,4'-DDE	ND	2.99	5.99	ug/kg dry	2	10/06/20 21:46	EPA 8081B	
4,4'-DDT	ND	2.99	5.99	ug/kg dry	2	10/06/20 21:46	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/06/20 21:46</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>115 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/06/20 21:46</i>	<i>EPA 8081B</i>
PDI-078SC-A-07-08-200505 (A010556-21RE1)				Matrix: SE		Batch: 0100091		C-05, H-08
2,4'-DDD	317	3.13	6.26	ug/kg dry	2	10/06/20 22:23	EPA 8081B	
2,4'-DDE	108	3.13	6.26	ug/kg dry	2	10/06/20 22:23	EPA 8081B	
2,4'-DDT	ND	14.1	14.1	ug/kg dry	2	10/06/20 22:23	EPA 8081B	R-02
4,4'-DDE	89.9	3.13	6.26	ug/kg dry	2	10/06/20 22:23	EPA 8081B	P-11
4,4'-DDT	569	3.13	6.26	ug/kg dry	2	10/06/20 22:23	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/06/20 22:23</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>109 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/06/20 22:23</i>	<i>EPA 8081B</i>
PDI-078SC-A-07-08-200505 (A010556-21RE2)				Matrix: SE		Batch: 0100091		C-05, H-08
4,4'-DDD	791	15.7	31.3	ug/kg dry	10	10/07/20 17:58	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 42-129 %</i>		<i>10</i>	<i>10/07/20 17:58</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>110 %</i>		<i>55-130 %</i>		<i>10</i>	<i>10/07/20 17:58</i>	<i>EPA 8081B</i>

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-079SC-B-06-08-191014 (A010556-22RE1)			Matrix: SE		Batch: 0100091		C-05, H-08	
2,4'-DDD	ND	6.22	6.22	ug/kg dry	2	10/06/20 23:00	EPA 8081B	
2,4'-DDE	ND	6.22	6.22	ug/kg dry	2	10/06/20 23:00	EPA 8081B	
2,4'-DDT	ND	6.84	6.84	ug/kg dry	2	10/06/20 23:00	EPA 8081B	R-02
4,4'-DDD	15.2	3.11	6.22	ug/kg dry	2	10/06/20 23:00	EPA 8081B	
4,4'-DDE	ND	6.53	6.53	ug/kg dry	2	10/06/20 23:00	EPA 8081B	R-02
4,4'-DDT	ND	6.22	6.22	ug/kg dry	2	10/06/20 23:00	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/06/20 23:00</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>129 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/06/20 23:00</i>	<i>EPA 8081B</i>

PDI-083SC-A-08-09-191022 (A010556-23RE1)			Matrix: SE		Batch: 0100091		C-05, H-08	
2,4'-DDD	27.5	7.19	14.4	ug/kg dry	2	10/06/20 23:37	EPA 8081B	
2,4'-DDE	ND	14.4	14.4	ug/kg dry	2	10/06/20 23:37	EPA 8081B	
2,4'-DDT	ND	7.19	14.4	ug/kg dry	2	10/06/20 23:37	EPA 8081B	
4,4'-DDD	34.5	7.19	14.4	ug/kg dry	2	10/06/20 23:37	EPA 8081B	
4,4'-DDE	ND	14.4	14.4	ug/kg dry	2	10/06/20 23:37	EPA 8081B	
4,4'-DDT	ND	14.4	14.4	ug/kg dry	2	10/06/20 23:37	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/06/20 23:37</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>107 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/06/20 23:37</i>	<i>EPA 8081B</i>

PDI-083SC-A-09-10-191022 (A010556-24RE1)			Matrix: SE		Batch: 0100091		H-08, R-04, C-05	
2,4'-DDD	ND	3.32	6.64	ug/kg dry	2	10/07/20 00:14	EPA 8081B	
2,4'-DDE	ND	3.32	6.64	ug/kg dry	2	10/07/20 00:14	EPA 8081B	
2,4'-DDT	ND	3.32	6.64	ug/kg dry	2	10/07/20 00:14	EPA 8081B	
4,4'-DDD	ND	3.32	6.64	ug/kg dry	2	10/07/20 00:14	EPA 8081B	
4,4'-DDE	ND	3.32	6.64	ug/kg dry	2	10/07/20 00:14	EPA 8081B	
4,4'-DDT	ND	3.32	6.64	ug/kg dry	2	10/07/20 00:14	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>10/07/20 00:14</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>118 %</i>		<i>55-130 %</i>		<i>2</i>	<i>10/07/20 00:14</i>	<i>EPA 8081B</i>

PDI-083SC-B-10-12-191022 (A010556-27RE2)			Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	8.53	17.1	ug/kg dry	5	10/07/20 17:21	EPA 8081B	
2,4'-DDE	ND	8.53	17.1	ug/kg dry	5	10/07/20 17:21	EPA 8081B	
2,4'-DDT	ND	8.53	17.1	ug/kg dry	5	10/07/20 17:21	EPA 8081B	
4,4'-DDD	ND	8.53	17.1	ug/kg dry	5	10/07/20 17:21	EPA 8081B	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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-10-12-191022 (A010556-27RE2)			Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
4,4'-DDE	ND	8.53	17.1	ug/kg dry	5	10/07/20 17:21	EPA 8081B	
4,4'-DDT	ND	8.53	17.1	ug/kg dry	5	10/07/20 17:21	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 42-129 %</i>		<i>5 10/07/20 17:21 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>116 %</i>		<i>55-130 %</i>		<i>5 10/07/20 17:21 EPA 8081B</i>		
PDI-083SC-A-14-15-191022 (A010556-28RE1)			Matrix: SE		Batch: 0100091		C-05, H-08, R-04	
2,4'-DDD	ND	3.37	6.73	ug/kg dry	2	10/07/20 00:51	EPA 8081B	
2,4'-DDE	ND	3.37	6.73	ug/kg dry	2	10/07/20 00:51	EPA 8081B	
2,4'-DDT	ND	3.37	6.73	ug/kg dry	2	10/07/20 00:51	EPA 8081B	
4,4'-DDD	ND	3.37	6.73	ug/kg dry	2	10/07/20 00:51	EPA 8081B	
4,4'-DDE	ND	3.37	6.73	ug/kg dry	2	10/07/20 00:51	EPA 8081B	
4,4'-DDT	ND	3.37	6.73	ug/kg dry	2	10/07/20 00:51	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 75 %</i>		<i>Limits: 42-129 %</i>		<i>2 10/07/20 00:51 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>121 %</i>		<i>55-130 %</i>		<i>2 10/07/20 00:51 EPA 8081B</i>		
PDI-171SC-A-01-02-200521 (A010556-29RE1)			Matrix: SE		Batch: 0090807		C-05, H-08	
2,4'-DDD	ND	26.8	26.8	ug/kg dry	1	09/29/20 13:41	EPA 8081B	R-02
2,4'-DDE	ND	5.37	5.37	ug/kg dry	1	09/29/20 13:41	EPA 8081B	R-02
2,4'-DDT	ND	8.66	8.66	ug/kg dry	1	09/29/20 13:41	EPA 8081B	R-02
4,4'-DDD	ND	4.33	4.33	ug/kg dry	1	09/29/20 13:41	EPA 8081B	R-02
4,4'-DDE	ND	3.46	3.46	ug/kg dry	1	09/29/20 13:41	EPA 8081B	
4,4'-DDT	ND	27.2	27.2	ug/kg dry	1	09/29/20 13:41	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 42-129 %</i>		<i>1 09/29/20 13:41 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>90 %</i>		<i>55-130 %</i>		<i>1 09/29/20 13:41 EPA 8081B</i>		
PDI-171SC-A-02-03-200521 (A010556-30RE1)			Matrix: SE		Batch: 0090807		C-05, H-08	
2,4'-DDD	ND	5.02	5.02	ug/kg dry	1	09/29/20 14:14	EPA 8081B	R-02
2,4'-DDE	ND	4.79	4.79	ug/kg dry	1	09/29/20 14:14	EPA 8081B	R-02
2,4'-DDT	ND	4.79	4.79	ug/kg dry	1	09/29/20 14:14	EPA 8081B	R-02
4,4'-DDD	8.00	2.28	4.56	ug/kg dry	1	09/29/20 14:14	EPA 8081B	
4,4'-DDE	ND	4.56	4.56	ug/kg dry	1	09/29/20 14:14	EPA 8081B	
4,4'-DDT	ND	4.56	4.56	ug/kg dry	1	09/29/20 14:14	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>1 09/29/20 14:14 EPA 8081B</i>		
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>1 09/29/20 14:14 EPA 8081B</i>		

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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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-03-04-200521 (A010556-31RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	3.48	3.48	ug/kg dry	1	09/29/20 14:31	EPA 8081B	
2,4'-DDE	ND	1.74	3.48	ug/kg dry	1	09/29/20 14:31	EPA 8081B	
2,4'-DDT	ND	1.74	3.48	ug/kg dry	1	09/29/20 14:31	EPA 8081B	
4,4'-DDD	3.17	1.74	3.48	ug/kg dry	1	09/29/20 14:31	EPA 8081B	J
4,4'-DDE	ND	1.74	3.48	ug/kg dry	1	09/29/20 14:31	EPA 8081B	
4,4'-DDT	ND	1.74	3.48	ug/kg dry	1	09/29/20 14:31	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 48 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 14:31</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>86 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 14:31</i>	<i>EPA 8081B</i>

PDI-171SC-A-04-05-200521 (A010556-32RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	4.87	4.87	ug/kg dry	1	09/29/20 17:17	EPA 8081B	R-02
2,4'-DDE	ND	3.25	3.25	ug/kg dry	1	09/29/20 17:17	EPA 8081B	
2,4'-DDT	ND	3.25	3.25	ug/kg dry	1	09/29/20 17:17	EPA 8081B	
4,4'-DDD	10.6	1.62	3.25	ug/kg dry	1	09/29/20 17:17	EPA 8081B	
4,4'-DDE	ND	3.57	3.57	ug/kg dry	1	09/29/20 17:17	EPA 8081B	R-02
4,4'-DDT	ND	3.25	3.25	ug/kg dry	1	09/29/20 17:17	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 17:17</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>98 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 17:17</i>	<i>EPA 8081B</i>

PDI-171SC-A-05-06-200521 (A010556-33RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	2.87	2.87	ug/kg dry	1	09/29/20 17:01	EPA 8081B	
2,4'-DDE	ND	1.43	2.87	ug/kg dry	1	09/29/20 17:01	EPA 8081B	
2,4'-DDT	ND	1.43	2.87	ug/kg dry	1	09/29/20 17:01	EPA 8081B	
4,4'-DDD	5.35	1.43	2.87	ug/kg dry	1	09/29/20 17:01	EPA 8081B	
4,4'-DDE	1.65	1.43	2.87	ug/kg dry	1	09/29/20 17:01	EPA 8081B	J
4,4'-DDT	ND	2.87	2.87	ug/kg dry	1	09/29/20 17:01	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 17:01</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>93 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 17:01</i>	<i>EPA 8081B</i>

PDI-171SC-A-06-07-200521 (A010556-34RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	15.1	1.44	2.89	ug/kg dry	1	09/29/20 17:34	EPA 8081B	
2,4'-DDE	ND	3.61	3.61	ug/kg dry	1	09/29/20 17:34	EPA 8081B	R-02
2,4'-DDT	ND	3.03	3.03	ug/kg dry	1	09/29/20 17:34	EPA 8081B	R-02

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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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-06-07-200521 (A010556-34RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
4,4'-DDD	33.4	1.44	2.89	ug/kg dry	1	09/29/20 17:34	EPA 8081B	
4,4'-DDE	ND	4.33	4.33	ug/kg dry	1	09/29/20 17:34	EPA 8081B	R-02
4,4'-DDT	ND	5.20	5.20	ug/kg dry	1	09/29/20 17:34	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 17:34</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>111 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 17:34</i>	<i>EPA 8081B</i>
PDI-173SC-A-01-02-200521 (A010556-35RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	1.23	2.47	ug/kg dry	1	09/29/20 14:48	EPA 8081B	
2,4'-DDE	ND	1.23	2.47	ug/kg dry	1	09/29/20 14:48	EPA 8081B	
2,4'-DDT	ND	1.23	2.47	ug/kg dry	1	09/29/20 14:48	EPA 8081B	
4,4'-DDD	ND	1.23	2.47	ug/kg dry	1	09/29/20 14:48	EPA 8081B	
4,4'-DDE	ND	1.23	2.47	ug/kg dry	1	09/29/20 14:48	EPA 8081B	
4,4'-DDT	ND	1.23	2.47	ug/kg dry	1	09/29/20 14:48	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 53 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 14:48</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>91 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 14:48</i>	<i>EPA 8081B</i>
PDI-173SC-A-02-03-200521 (A010556-36RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	1.28	2.56	ug/kg dry	1	09/29/20 15:04	EPA 8081B	
2,4'-DDE	ND	1.28	2.56	ug/kg dry	1	09/29/20 15:04	EPA 8081B	
2,4'-DDT	ND	1.28	2.56	ug/kg dry	1	09/29/20 15:04	EPA 8081B	
4,4'-DDD	ND	1.28	2.56	ug/kg dry	1	09/29/20 15:04	EPA 8081B	
4,4'-DDE	ND	1.28	2.56	ug/kg dry	1	09/29/20 15:04	EPA 8081B	
4,4'-DDT	ND	1.28	2.56	ug/kg dry	1	09/29/20 15:04	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 15:04</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>90 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 15:04</i>	<i>EPA 8081B</i>
PDI-173SC-A-03-04-200521 (A010556-37RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	2.87	2.87	ug/kg dry	1	09/29/20 16:44	EPA 8081B	
2,4'-DDE	ND	1.44	2.87	ug/kg dry	1	09/29/20 16:44	EPA 8081B	
2,4'-DDT	ND	1.44	2.87	ug/kg dry	1	09/29/20 16:44	EPA 8081B	
4,4'-DDD	4.28	1.44	2.87	ug/kg dry	1	09/29/20 16:44	EPA 8081B	
4,4'-DDE	1.48	1.44	2.87	ug/kg dry	1	09/29/20 16:44	EPA 8081B	J
4,4'-DDT	ND	1.44	2.87	ug/kg dry	1	09/29/20 16:44	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 16:44</i>	<i>EPA 8081B</i>

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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-173SC-A-03-04-200521 (A010556-37RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 55-130 %</i>		<i>1</i>	<i>09/29/20 16:44</i>	<i>EPA 8081B</i>
PDI-174SC-A-01-02-200521 (A010556-38RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	1.29	2.57	ug/kg dry	1	09/29/20 15:37	EPA 8081B	
2,4'-DDE	ND	1.29	2.57	ug/kg dry	1	09/29/20 15:37	EPA 8081B	
2,4'-DDT	ND	1.29	2.57	ug/kg dry	1	09/29/20 15:37	EPA 8081B	
4,4'-DDD	ND	1.29	2.57	ug/kg dry	1	09/29/20 15:37	EPA 8081B	
4,4'-DDE	ND	1.29	2.57	ug/kg dry	1	09/29/20 15:37	EPA 8081B	
4,4'-DDT	ND	1.29	2.57	ug/kg dry	1	09/29/20 15:37	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 15:37</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 15:37</i>	<i>EPA 8081B</i>
PDI-174SC-A-02-03-200521 (A010556-39RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	1.31	2.61	ug/kg dry	1	09/29/20 15:21	EPA 8081B	
2,4'-DDE	ND	1.31	2.61	ug/kg dry	1	09/29/20 15:21	EPA 8081B	
2,4'-DDT	ND	1.31	2.61	ug/kg dry	1	09/29/20 15:21	EPA 8081B	
4,4'-DDD	ND	1.31	2.61	ug/kg dry	1	09/29/20 15:21	EPA 8081B	
4,4'-DDE	ND	1.31	2.61	ug/kg dry	1	09/29/20 15:21	EPA 8081B	
4,4'-DDT	ND	2.61	2.61	ug/kg dry	1	09/29/20 15:21	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 66 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>09/29/20 15:21</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>98 %</i>		<i>55-130 %</i>		<i>1</i>	<i>09/29/20 15:21</i>	<i>EPA 8081B</i>
PDI-018SC-A-00-01-190926 (A010556-40RE1)				Matrix: SE		Batch: 0090807		C-05, H-08
2,4'-DDD	ND	4.72	4.72	ug/kg dry	2	09/29/20 18:11	EPA 8081B	R-02
2,4'-DDE	ND	2.25	4.50	ug/kg dry	2	09/29/20 18:11	EPA 8081B	
2,4'-DDT	ND	2.25	4.50	ug/kg dry	2	09/29/20 18:11	EPA 8081B	
4,4'-DDD	61.2	2.25	4.50	ug/kg dry	2	09/29/20 18:11	EPA 8081B	
4,4'-DDE	3.80	2.25	4.50	ug/kg dry	2	09/29/20 18:11	EPA 8081B	J
4,4'-DDT	ND	4.50	4.50	ug/kg dry	2	09/29/20 18:11	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 76 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>09/29/20 18:11</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>126 %</i>		<i>55-130 %</i>		<i>2</i>	<i>09/29/20 18:11</i>	<i>EPA 8081B</i>
PDI-018SC-A-01-02-190926 (A010556-41RE1)				Matrix: SE		Batch: 0090860		C-05, H-08, R-04
2,4'-DDD	ND	4.54	9.08	ug/kg dry	2	09/30/20 15:57	EPA 8081B	

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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-018SC-A-01-02-190926 (A010556-41RE1)				Matrix: SE		Batch: 0090860		C-05, H-08, R-04
2,4'-DDE	ND	4.54	9.08	ug/kg dry	2	09/30/20 15:57	EPA 8081B	
2,4'-DDT	ND	4.54	9.08	ug/kg dry	2	09/30/20 15:57	EPA 8081B	
4,4'-DDD	ND	4.54	9.08	ug/kg dry	2	09/30/20 15:57	EPA 8081B	
4,4'-DDE	ND	4.54	9.08	ug/kg dry	2	09/30/20 15:57	EPA 8081B	
4,4'-DDT	ND	4.54	9.08	ug/kg dry	2	09/30/20 15:57	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 67 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>09/30/20 15:57</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>2</i>	<i>09/30/20 15:57</i>	<i>EPA 8081B</i>

PDI-018SC-A-02-03-190926 (A010556-42RE1)				Matrix: SE		Batch: 0090807		C-05, H-08, R-04
2,4'-DDD	ND	2.81	5.61	ug/kg dry	2	09/29/20 18:48	EPA 8081B	
2,4'-DDE	ND	2.81	5.61	ug/kg dry	2	09/29/20 18:48	EPA 8081B	
2,4'-DDT	ND	2.81	5.61	ug/kg dry	2	09/29/20 18:48	EPA 8081B	
4,4'-DDD	ND	2.81	5.61	ug/kg dry	2	09/29/20 18:48	EPA 8081B	
4,4'-DDE	ND	2.81	5.61	ug/kg dry	2	09/29/20 18:48	EPA 8081B	
4,4'-DDT	ND	5.61	5.61	ug/kg dry	2	09/29/20 18:48	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>09/29/20 18:48</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>109 %</i>		<i>55-130 %</i>		<i>2</i>	<i>09/29/20 18:48</i>	<i>EPA 8081B</i>

PDI-018SC-A-03-04-190926 (A010556-43RE1)				Matrix: SE		Batch: 0090807		C-05, H-08, R-04
2,4'-DDD	ND	5.89	11.8	ug/kg dry	2	09/29/20 19:25	EPA 8081B	
2,4'-DDE	ND	5.89	11.8	ug/kg dry	2	09/29/20 19:25	EPA 8081B	
2,4'-DDT	ND	5.89	11.8	ug/kg dry	2	09/29/20 19:25	EPA 8081B	
4,4'-DDD	ND	5.89	11.8	ug/kg dry	2	09/29/20 19:25	EPA 8081B	
4,4'-DDE	ND	5.89	11.8	ug/kg dry	2	09/29/20 19:25	EPA 8081B	
4,4'-DDT	ND	20.0	20.0	ug/kg dry	2	09/29/20 19:25	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>09/29/20 19:25</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>2</i>	<i>09/29/20 19:25</i>	<i>EPA 8081B</i>

PDI-018SC-A-04-05-190926 (A010556-44RE1)				Matrix: SE		Batch: 0090807		C-05, H-08, R-04
2,4'-DDD	ND	5.65	11.3	ug/kg dry	2	09/29/20 20:02	EPA 8081B	
2,4'-DDE	ND	5.65	11.3	ug/kg dry	2	09/29/20 20:02	EPA 8081B	
2,4'-DDT	ND	5.65	11.3	ug/kg dry	2	09/29/20 20:02	EPA 8081B	
4,4'-DDD	ND	5.65	11.3	ug/kg dry	2	09/29/20 20:02	EPA 8081B	
4,4'-DDE	ND	5.65	11.3	ug/kg dry	2	09/29/20 20:02	EPA 8081B	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-018SC-A-04-05-190926 (A010556-44RE1)				Matrix: SE		Batch: 0090807		C-05, H-08, R-04
4,4'-DDT	ND	11.3	11.3	ug/kg dry	2	09/29/20 20:02	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>09/29/20 20:02</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>130 %</i>		<i>55-130 %</i>		<i>2</i>	<i>09/29/20 20:02</i>	<i>EPA 8081B</i>
PDI-018SC-A-05-06-190926 (A010556-45RE1)				Matrix: SE		Batch: 0090807		R-04, C-05, H-08
2,4'-DDD	ND	5.21	10.4	ug/kg dry	2	09/29/20 20:39	EPA 8081B	
2,4'-DDE	ND	5.21	10.4	ug/kg dry	2	09/29/20 20:39	EPA 8081B	
2,4'-DDT	ND	5.21	10.4	ug/kg dry	2	09/29/20 20:39	EPA 8081B	
4,4'-DDD	ND	5.21	10.4	ug/kg dry	2	09/29/20 20:39	EPA 8081B	
4,4'-DDE	ND	5.21	10.4	ug/kg dry	2	09/29/20 20:39	EPA 8081B	
4,4'-DDT	ND	10.4	10.4	ug/kg dry	2	09/29/20 20:39	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 73 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>09/29/20 20:39</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>2</i>	<i>09/29/20 20:39</i>	<i>EPA 8081B</i>
PDI-083SC-B-12-14-191022 (A010556-48RE1)				Matrix: SE		Batch: 0100038		C-05, H-08, R-04
2,4'-DDD	ND	6.56	6.56	ug/kg dry	1	10/02/20 15:25	EPA 8081B	
2,4'-DDE	ND	6.56	6.56	ug/kg dry	1	10/02/20 15:25	EPA 8081B	
2,4'-DDT	ND	6.56	6.56	ug/kg dry	1	10/02/20 15:25	EPA 8081B	
4,4'-DDD	ND	3.28	6.56	ug/kg dry	1	10/02/20 15:25	EPA 8081B	
4,4'-DDE	ND	6.56	6.56	ug/kg dry	1	10/02/20 15:25	EPA 8081B	
4,4'-DDT	ND	6.56	6.56	ug/kg dry	1	10/02/20 15:25	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>10/02/20 15:25</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>1</i>	<i>10/02/20 15:25</i>	<i>EPA 8081B</i>

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-01-02-200521 (A010556-29)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	2240	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Acenaphthylene	954	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	J, Q-42
Anthracene	2810	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Benz(a)anthracene	3690	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Benzo(a)pyrene	5610	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Benzo(b)fluoranthene	4200	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Benzo(k)fluoranthene	1570	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	J, Q-42
Benzo(g,h,i)perylene	3910	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Chrysene	4260	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Dibenz(a,h)anthracene	ND	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	
Fluoranthene	12800	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Fluorene	1400	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	J, Q-42
Indeno(1,2,3-cd)pyrene	3360	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
2-Methylnaphthalene	ND	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	
Naphthalene	ND	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	
Phenanthrene	11800	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
Pyrene	13300	846	1690	ug/kg dry	400	09/25/20 16:37	EPA 8270D	Q-42
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>	<i>400</i>	<i>09/25/20 16:37</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>112 %</i>		<i>54-127 %</i>	<i>400</i>	<i>09/25/20 16:37</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-171SC-A-02-03-200521 (A010556-30)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	ND	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Acenaphthylene	ND	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Anthracene	668	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	J
Benz(a)anthracene	801	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	J
Benzo(a)pyrene	1110	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Benzo(b)fluoranthene	881	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	J
Benzo(k)fluoranthene	ND	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Benzo(g,h,i)perylene	778	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	J
Chrysene	930	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	J
Dibenz(a,h)anthracene	ND	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Fluoranthene	1540	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Fluorene	ND	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-02-03-200521 (A010556-30)				Matrix: SE		Batch: 0090743		H-08
Indeno(1,2,3-cd)pyrene	645	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	J
2-Methylnaphthalene	ND	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Naphthalene	ND	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Phenanthrene	1580	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
Pyrene	1620	527	1050	ug/kg dry	200	09/25/20 17:45	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 64 %</i>		<i>Limits: 44-120 %</i>	200	09/25/20 17:45	EPA 8270D	S-05
<i>p-Terphenyl-d14 (Surr)</i>		<i>66 %</i>		<i>54-127 %</i>	200	09/25/20 17:45	EPA 8270D	S-05

PDI-171SC-A-03-04-200521 (A010556-31)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	347	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
Acenaphthylene	ND	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Anthracene	217	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
Benz(a)anthracene	314	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
Benzo(a)pyrene	521	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Benzo(b)fluoranthene	418	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Benzo(k)fluoranthene	ND	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Benzo(g,h,i)perylene	399	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
Chrysene	380	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
Dibenz(a,h)anthracene	ND	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Fluoranthene	850	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Fluorene	220	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
Indeno(1,2,3-cd)pyrene	339	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
2-Methylnaphthalene	ND	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Naphthalene	219	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	J
Phenanthrene	1030	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
Pyrene	851	202	404	ug/kg dry	100	09/25/20 18:18	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 62 %</i>		<i>Limits: 44-120 %</i>	100	09/25/20 18:18	EPA 8270D	S-05
<i>p-Terphenyl-d14 (Surr)</i>		<i>72 %</i>		<i>54-127 %</i>	100	09/25/20 18:18	EPA 8270D	S-05

PDI-171SC-A-04-05-200521 (A010556-32)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	3060	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Acenaphthylene	1750	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	J
Anthracene	5210	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-04-05-200521 (A010556-32)				Matrix: SE		Batch: 0090743		H-08
Benz(a)anthracene	6010	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Benzo(a)pyrene	9590	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Benzo(b)fluoranthene	7310	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Benzo(k)fluoranthene	2540	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	M-05
Benzo(g,h,i)perylene	6780	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Chrysene	7880	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Dibenz(a,h)anthracene	ND	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Fluoranthene	20800	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Fluorene	2720	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Indeno(1,2,3-cd)pyrene	5720	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
2-Methylnaphthalene	ND	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Naphthalene	2250	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Phenanthrene	22500	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
Pyrene	20600	995	1990	ug/kg dry	500	09/25/20 18:51	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 44-120 %</i>	<i>500</i>	<i>09/25/20 18:51</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>80 %</i>		<i>54-127 %</i>	<i>500</i>	<i>09/25/20 18:51</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-171SC-A-05-06-200521 (A010556-33)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	4560	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Acenaphthylene	815	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	J
Anthracene	3540	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Benzo(a)anthracene	3280	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Benzo(a)pyrene	4810	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Benzo(b)fluoranthene	3630	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Benzo(k)fluoranthene	1210	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	J
Benzo(g,h,i)perylene	3330	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Chrysene	3870	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Dibenz(a,h)anthracene	ND	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Fluoranthene	12300	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Fluorene	2920	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Indeno(1,2,3-cd)pyrene	2800	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
2-Methylnaphthalene	ND	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Naphthalene	ND	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-05-06-200521 (A010556-33)								
				Matrix: SE	Batch: 0090743		H-08	
Phenanthrene	18100	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
Pyrene	12900	675	1350	ug/kg dry	400	09/25/20 19:24	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 64 %</i>		<i>Limits: 44-120 %</i>	<i>400</i>	<i>09/25/20 19:24</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>88 %</i>		<i>54-127 %</i>	<i>400</i>	<i>09/25/20 19:24</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-171SC-A-06-07-200521 (A010556-34)								
				Matrix: SE	Batch: 0090743		H-08	
Acenaphthene	114000	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Acenaphthylene	20300	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	J
Anthracene	58800	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Benz(a)anthracene	74100	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Benzo(a)pyrene	117000	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Benzo(b)fluoranthene	84200	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Benzo(k)fluoranthene	29600	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	J
Benzo(g,h,i)perylene	83400	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Chrysene	85400	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Dibenz(a,h)anthracene	ND	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Fluoranthene	250000	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Fluorene	54700	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Indeno(1,2,3-cd)pyrene	66800	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
2-Methylnaphthalene	ND	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Naphthalene	ND	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Phenanthrene	261000	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
Pyrene	269000	16000	32000	ug/kg dry	10000	09/25/20 19:58	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: %</i>		<i>Limits: 44-120 %</i>	<i>10000</i>	<i>09/25/20 19:58</i>	<i>EPA 8270D</i>	<i>S-01</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>400 %</i>		<i>54-127 %</i>	<i>10000</i>	<i>09/25/20 19:58</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-173SC-A-01-02-200521 (A010556-35)								
				Matrix: SE	Batch: 0090743		H-08	
Acenaphthene	320	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Acenaphthylene	85.5	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	J
Anthracene	80.8	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	J
Benz(a)anthracene	277	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Benzo(a)pyrene	401	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Benzo(b)fluoranthene	314	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-173SC-A-01-02-200521 (A010556-35)				Matrix: SE		Batch: 0090743		H-08
Benzo(k)fluoranthene	105	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	J
Benzo(g,h,i)perylene	290	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Chrysene	329	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Dibenz(a,h)anthracene	ND	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Fluoranthene	939	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Fluorene	136	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Indeno(1,2,3-cd)pyrene	241	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
2-Methylnaphthalene	ND	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Naphthalene	ND	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Phenanthrene	536	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
Pyrene	994	61.6	123	ug/kg dry	40	09/25/20 20:31	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 44-120 %</i>	<i>40</i>	<i>09/25/20 20:31</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>82 %</i>		<i>54-127 %</i>	<i>40</i>	<i>09/25/20 20:31</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-173SC-A-02-03-200521 (A010556-36)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	397	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Acenaphthylene	ND	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Anthracene	ND	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Benz(a)anthracene	445	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Benzo(a)pyrene	772	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Benzo(b)fluoranthene	675	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Benzo(k)fluoranthene	220	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	J
Benzo(g,h,i)perylene	520	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Chrysene	521	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Dibenz(a,h)anthracene	ND	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Fluoranthene	1050	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Fluorene	186	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	J
Indeno(1,2,3-cd)pyrene	500	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
2-Methylnaphthalene	ND	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Naphthalene	ND	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Phenanthrene	801	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
Pyrene	1100	148	296	ug/kg dry	100	09/25/20 21:03	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 44-120 %</i>	<i>100</i>	<i>09/25/20 21:03</i>	<i>EPA 8270D</i>	<i>S-05</i>

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-173SC-A-02-03-200521 (A010556-36)				Matrix: SE		Batch: 0090743		H-08
<i>Surrogate: p-Terphenyl-d14 (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 54-127 % 100</i>		<i>09/25/20 21:03</i>	<i>EPA 8270D</i>	<i>S-05</i>
PDI-173SC-A-03-04-200521 (A010556-37)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	1040	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Acenaphthylene	351	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Anthracene	332	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Benz(a)anthracene	916	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Benzo(a)pyrene	1460	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Benzo(b)fluoranthene	1160	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Benzo(k)fluoranthene	407	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	M-05
Benzo(g,h,i)perylene	1090	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Chrysene	1050	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Dibenz(a,h)anthracene	ND	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Fluoranthene	2680	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Fluorene	342	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Indeno(1,2,3-cd)pyrene	896	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
2-Methylnaphthalene	ND	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Naphthalene	ND	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Phenanthrene	1250	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
Pyrene	2880	166	332	ug/kg dry	100	09/25/20 21:36	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 44-120 % 100</i>		<i>09/25/20 21:36</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>75 %</i>		<i>54-127 % 100</i>		<i>09/25/20 21:36</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-174SC-A-01-02-200521 (A010556-38)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	2090	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Acenaphthylene	590	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Anthracene	1580	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Benz(a)anthracene	2020	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Benzo(a)pyrene	2800	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Benzo(b)fluoranthene	2130	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Benzo(k)fluoranthene	777	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	M-05
Benzo(g,h,i)perylene	1910	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Chrysene	2480	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Dibenz(a,h)anthracene	204	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	J

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-174SC-A-01-02-200521 (A010556-38)			Matrix: SE		Batch: 0090743		H-08	
Fluoranthene	7080	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Fluorene	985	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Indeno(1,2,3-cd)pyrene	1600	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
2-Methylnaphthalene	ND	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Naphthalene	ND	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Phenanthrene	4630	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
Pyrene	6750	147	294	ug/kg dry	100	09/25/20 22:08	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 44-120 %</i>	<i>100</i>	<i>09/25/20 22:08</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>90 %</i>		<i>54-127 %</i>	<i>100</i>	<i>09/25/20 22:08</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-174SC-A-02-03-200521 (A010556-39)			Matrix: SE		Batch: 0090743		H-08	
Acenaphthene	2600	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Acenaphthylene	1310	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Anthracene	1230	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Benz(a)anthracene	5200	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Benzo(a)pyrene	6870	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Benzo(b)fluoranthene	5170	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Benzo(k)fluoranthene	1740	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	M-05
Benzo(g,h,i)perylene	4540	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Chrysene	6000	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Dibenz(a,h)anthracene	ND	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Fluoranthene	15300	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Fluorene	1210	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	J
Indeno(1,2,3-cd)pyrene	3790	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
2-Methylnaphthalene	ND	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Naphthalene	ND	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Phenanthrene	5110	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
Pyrene	15600	616	1230	ug/kg dry	400	09/25/20 22:41	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 44-120 %</i>	<i>400</i>	<i>09/25/20 22:41</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>100 %</i>		<i>54-127 %</i>	<i>400</i>	<i>09/25/20 22:41</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-018SC-A-00-01-190926 (A010556-40RE1)			Matrix: SE		Batch: 0090828		H-08	
Acenaphthene	6260	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-018SC-A-00-01-190926 (A010556-40RE1)				Matrix: SE		Batch: 0090828		H-08
Acenaphthylene	806	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Anthracene	4410	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Benz(a)anthracene	3270	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Benzo(a)pyrene	4590	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Benzo(b)fluoranthene	3420	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Benzo(k)fluoranthene	1140	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	M-05, Q-42
Benzo(g,h,i)perylene	2960	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Chrysene	3560	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Dibenz(a,h)anthracene	312	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Fluoranthene	11600	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Fluorene	3600	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Indeno(1,2,3-cd)pyrene	2460	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
2-Methylnaphthalene	ND	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	
Naphthalene	626	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	
Phenanthrene	19500	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
Pyrene	12000	143	286	ug/kg dry	100	09/29/20 12:28	EPA 8270D	Q-42
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 76 %</i>		<i>Limits: 44-120 %</i>	<i>100</i>	<i>09/29/20 12:28</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>93 %</i>		<i>54-127 %</i>	<i>100</i>	<i>09/29/20 12:28</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-018SC-A-01-02-190926 (A010556-41RE1)				Matrix: SE		Batch: 0090828		H-08
Acenaphthene	26000	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Acenaphthylene	9530	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Anthracene	21100	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Benz(a)anthracene	42200	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Benzo(a)pyrene	59800	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Benzo(b)fluoranthene	43600	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Benzo(k)fluoranthene	15500	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	M-05
Benzo(g,h,i)perylene	36900	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Chrysene	46600	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Dibenz(a,h)anthracene	4040	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Fluoranthene	144000	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Fluorene	7590	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	
Indeno(1,2,3-cd)pyrene	31200	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-018SC-A-01-02-190926 (A010556-41RE1)			Matrix: SE		Batch: 0090828		H-08		
2-Methylnaphthalene	ND	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D		
Naphthalene	5690	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D		
Phenanthrene	16700	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D		
Pyrene	139000	1430	2870	ug/kg dry	1000	09/29/20 13:33	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>09/29/20 13:33</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>200 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>09/29/20 13:33</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-018SC-A-02-03-190926 (A010556-42RE1)			Matrix: SE		Batch: 0090828		H-08		
Acenaphthene	12000	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Acenaphthylene	8450	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Anthracene	8710	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Benz(a)anthracene	23000	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Benzo(a)pyrene	40600	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Benzo(b)fluoranthene	29800	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Benzo(k)fluoranthene	11500	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D	M-05	
Benzo(g,h,i)perylene	29300	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Chrysene	31600	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Dibenz(a,h)anthracene	2770	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D	J	
Fluoranthene	61600	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Fluorene	ND	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Indeno(1,2,3-cd)pyrene	23600	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
2-Methylnaphthalene	2000	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D	J	
Naphthalene	17900	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Phenanthrene	8700	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
Pyrene	81100	1740	3480	ug/kg dry	1000	09/29/20 11:16	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>09/29/20 11:16</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>170 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>09/29/20 11:16</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-018SC-A-03-04-190926 (A010556-43)			Matrix: SE		Batch: 0090743		H-08	
Acenaphthene	13900	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D	
Acenaphthylene	8900	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D	
Anthracene	8320	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D	
Benz(a)anthracene	26100	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-018SC-A-03-04-190926 (A010556-43)				Matrix: SE		Batch: 0090743		H-08	
Benzo(a)pyrene	43000	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Benzo(b)fluoranthene	31800	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Benzo(k)fluoranthene	10700	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D	M-05	
Benzo(g,h,i)perylene	30600	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Chrysene	30100	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Dibenz(a,h)anthracene	2780	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D	J	
Fluoranthene	80600	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Fluorene	2800	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D	J	
Indeno(1,2,3-cd)pyrene	25000	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
2-Methylnaphthalene	ND	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Naphthalene	6190	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Phenanthrene	5070	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
Pyrene	96500	1680	3360	ug/kg dry	1000	09/25/20 23:13	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 120 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>09/25/20 23:13</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>150 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>09/25/20 23:13</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-018SC-A-04-05-190926 (A010556-44)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	22600	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Acenaphthylene	9290	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Anthracene	8580	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Benz(a)anthracene	22700	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Benzo(a)pyrene	40700	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Benzo(b)fluoranthene	30400	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Benzo(k)fluoranthene	10400	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	M-05
Benzo(g,h,i)perylene	29300	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Chrysene	25800	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Dibenz(a,h)anthracene	2730	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	J
Fluoranthene	77400	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Fluorene	9150	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Indeno(1,2,3-cd)pyrene	23900	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
2-Methylnaphthalene	3840	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Naphthalene	25400	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
Phenanthrene	13600	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	

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AMENDED REPORT

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ANALYTICAL SAMPLE RESULTS

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

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-018SC-A-04-05-190926 (A010556-44)				Matrix: SE		Batch: 0090743		H-08
Pyrene	76100	1620	3230	ug/kg dry	1000	09/25/20 23:44	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 44-120 % 1000</i>		<i>09/25/20 23:44</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>150 %</i>		<i>54-127 % 1000</i>		<i>09/25/20 23:44</i>	<i>EPA 8270D</i>	<i>S-05</i>
PDI-018SC-A-05-06-190926 (A010556-45)				Matrix: SE		Batch: 0090743		H-08
Acenaphthene	16600	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Acenaphthylene	5010	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Anthracene	7440	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Benz(a)anthracene	15400	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Benzo(a)pyrene	24900	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Benzo(b)fluoranthene	18700	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Benzo(k)fluoranthene	6070	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	M-05
Benzo(g,h,i)perylene	18000	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Chrysene	17600	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Dibenz(a,h)anthracene	1700	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	J
Fluoranthene	55300	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Fluorene	7460	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Indeno(1,2,3-cd)pyrene	14800	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
2-Methylnaphthalene	1680	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	J
Naphthalene	6570	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Phenanthrene	19700	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
Pyrene	59100	1590	3180	ug/kg dry	1000	09/26/20 00:16	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 44-120 % 1000</i>		<i>09/26/20 00:16</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>160 %</i>		<i>54-127 % 1000</i>		<i>09/26/20 00:16</i>	<i>EPA 8270D</i>	<i>S-05</i>

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-173SC-A-01-02-200521 (A010556-35)				Matrix: SE				
Batch: 0110194								
Total Organic Carbon	0.28	0.026	0.026	% dry	1	11/09/20 19:33	PSEP_SM 5310B MOD	H-08, Q-42
PDI-173SC-A-02-03-200521 (A010556-36)				Matrix: SE				
Batch: 0110194								
Total Organic Carbon	0.083	0.027	0.027	% dry	1	11/09/20 20:06	PSEP_SM 5310B MOD	H-08
PDI-173SC-A-03-04-200521 (A010556-37)				Matrix: SE				
Batch: 0110194								
Total Organic Carbon	0.55	0.029	0.029	% dry	1	11/09/20 20:17	PSEP_SM 5310B MOD	H-08
PDI-174SC-A-01-02-200521 (A010556-38)				Matrix: SE				
Batch: 0110194								
Total Organic Carbon	0.088	0.026	0.026	% dry	1	11/09/20 20:27	PSEP_SM 5310B MOD	H-08
PDI-174SC-A-02-03-200521 (A010556-39)				Matrix: SE				
Batch: 0110194								
Total Organic Carbon	0.075	0.026	0.026	% dry	1	11/09/20 21:00	PSEP_SM 5310B MOD	H-08

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-048SC-A-08-11-200506 (A010556-04)				Matrix: SE				
Batch: 0090868								
Total Solids	56.4	1.00	1.00	% by Weight	1	10/01/20 14:57	SM 2540 G	
PDI-069SC-B-08-10-191016 (A010556-07)				Matrix: SE				
Batch: 0100056								
Total Solids	63.2	1.00	1.00	% by Weight	1	10/05/20 14:57	SM 2540 G	H-08
PDI-069SC-A-10-11-191016 (A010556-08)				Matrix: SE				
Batch: 0090890								
Total Solids	55.4	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-073SC-A-08-09-191013 (A010556-09)				Matrix: SE				
Batch: 0090890								
Total Solids	63.7	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-073SC-A-09-10-191013 (A010556-10)				Matrix: SE				
Batch: 0090890								
Total Solids	62.4	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-073SC-A-10-11-191013 (A010556-11)				Matrix: SE				
Batch: 0090890								
Total Solids	65.4	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-075SC-B-08-10-191013 (A010556-14)				Matrix: SE				
Batch: 0090890								
Total Solids	59.0	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-075SC-B-10-12-191013 (A010556-17)				Matrix: SE				
Batch: 0090890								
Total Solids	58.7	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-075SC-B-12-14-191013 (A010556-20)				Matrix: SE				
Batch: 0090890								
Total Solids	63.6	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-078SC-A-07-08-200505 (A010556-21)				Matrix: SE				
Batch: 0090890								

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-078SC-A-07-08-200505 (A010556-21)				Matrix: SE				
Total Solids	60.7	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	
PDI-079SC-B-06-08-191014 (A010556-22)				Matrix: SE				
Batch: 0090890								
Total Solids	62.2	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-083SC-A-08-09-191022 (A010556-23)				Matrix: SE				
Batch: 0090890								
Total Solids	54.5	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-083SC-A-09-10-191022 (A010556-24)				Matrix: SE				
Batch: 0090890								
Total Solids	56.5	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-083SC-B-10-12-191022 (A010556-27)				Matrix: SE				
Batch: 0090890								
Total Solids	56.6	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-083SC-A-14-15-191022 (A010556-28)				Matrix: SE				
Batch: 0090890								
Total Solids	58.5	1.00	1.00	% by Weight	1	10/01/20 14:34	SM 2540 G	H-08
PDI-171SC-A-01-02-200521 (A010556-29)				Matrix: SE				
Batch: 0090759								
Total Solids	54.4	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-171SC-A-02-03-200521 (A010556-30)				Matrix: SE				
Batch: 0090759								
Total Solids	43.0	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-171SC-A-03-04-200521 (A010556-31)				Matrix: SE				
Batch: 0090759								
Total Solids	56.3	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-171SC-A-04-05-200521 (A010556-32)				Matrix: SE				
Batch: 0090759								

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-171SC-A-04-05-200521 (A010556-32)				Matrix: SE				
Total Solids	57.7	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-171SC-A-05-06-200521 (A010556-33)				Matrix: SE				
Batch: 0090759								
Total Solids	68.6	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-171SC-A-06-07-200521 (A010556-34)				Matrix: SE				
Batch: 0090759								
Total Solids	67.5	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-173SC-A-01-02-200521 (A010556-35)				Matrix: SE				
Batch: 0090759								
Total Solids	77.4	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-173SC-A-02-03-200521 (A010556-36)				Matrix: SE				
Batch: 0090759								
Total Solids	75.0	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-173SC-A-03-04-200521 (A010556-37)				Matrix: SE				
Batch: 0090759								
Total Solids	69.1	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-174SC-A-01-02-200521 (A010556-38)				Matrix: SE				
Batch: 0090759								
Total Solids	76.8	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-174SC-A-02-03-200521 (A010556-39)				Matrix: SE				
Batch: 0090759								
Total Solids	76.3	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	
PDI-018SC-A-00-01-190926 (A010556-40)				Matrix: SE				
Batch: 0090759								
Total Solids	87.2	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	H-08
PDI-018SC-A-01-02-190926 (A010556-41)				Matrix: SE				
Batch: 0090759								

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-018SC-A-01-02-190926 (A010556-41)				Matrix: SE					
Total Solids	86.5	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	H-08	
PDI-018SC-A-02-03-190926 (A010556-42)				Matrix: SE					
Batch: 0090759									
Total Solids	71.3	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	H-08	
PDI-018SC-A-03-04-190926 (A010556-43)				Matrix: SE					
Batch: 0090759									
Total Solids	67.5	1.00	1.00	% by Weight	1	09/29/20 17:08	SM 2540 G	H-08	
PDI-018SC-A-04-05-190926 (A010556-44)				Matrix: SE					
Batch: 0090759									
Total Solids	70.5	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	H-08	
PDI-018SC-A-05-06-190926 (A010556-45)				Matrix: SE					
Batch: 0090759									
Total Solids	72.6	1.00	1.00	% by Weight	1	09/29/20 15:06	SM 2540 G	H-08	
PDI-083SC-B-12-14-191022 (A010556-48)				Matrix: SE					
Batch: 0090868									
Total Solids	57.9	1.00	1.00	% by Weight	1	10/01/20 14:57	SM 2540 G	H-08	

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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 0090782 - EPA 3546												
Sediment												
Blank (0090782-BLK1) Prepared: 09/28/20 07:19 Analyzed: 09/28/20 13:55 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 109 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS (0090782-BS2) Prepared: 09/29/20 07:19 Analyzed: 09/29/20 08:12 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	107	1.34	2.66	ug/kg wet	2	167	---	64	47-134%	---	---	
Aroclor 1260	135	1.34	2.66	ug/kg wet	2	167	---	81	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 2x</i>						
Duplicate (0090782-DUP1) Prepared: 09/28/20 07:19 Analyzed: 09/28/20 15:07 C-07												
<u>QC Source Sample: PDI-069SC-B-08-10-191016 (A010556-07)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	ND	1.03	2.05	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	1.03	2.05	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	1.03	2.05	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	1.03	2.05	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	2.05	2.05	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	2.05	2.05	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	3.86	3.86	ug/kg dry	1	---	ND	---	---	---	30%	R-02
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 42 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						S-03
Matrix Spike (0090782-MS1) Prepared: 09/28/20 07:19 Analyzed: 09/28/20 19:53 C-07, H-08												
<u>QC Source Sample: PDI-018SC-A-05-06-190926 (A010556-45)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	134	1.84	3.65	ug/kg dry	1	229	ND	59	47-134%	---	---	
Aroclor 1260	155	1.84	3.65	ug/kg dry	1	229	8.21	64	53-140%	---	---	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090782 - EPA 3546						Sediment							
Matrix Spike (0090782-MS1)						Prepared: 09/28/20 07:19 Analyzed: 09/28/20 19:53						C-07, H-08	
QC Source Sample: PDI-018SC-A-05-06-190926 (A010556-45)													
Surr: Decachlorobiphenyl (Surr)		Recovery: 89 %		Limits: 43-120 %		Dilution: 1x							

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090841 - EPA 3546						Sediment							
Blank (0090841-BLK1)			Prepared: 09/29/20 10:52 Analyzed: 09/29/20 21:01						C-07				
<u>EPA 8082A</u>													
Aroclor 1016	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1221	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1232	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1242	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1248	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1254	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---		
Aroclor 1260	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>							
LCS (0090841-BS1)			Prepared: 09/29/20 10:52 Analyzed: 09/29/20 21:20						C-07				
<u>EPA 8082A</u>													
Aroclor 1016	63.8	0.670	1.33	ug/kg wet	1	83.3	---	77	47-134%	---	---		
Aroclor 1260	78.0	0.670	1.33	ug/kg wet	1	83.3	---	94	53-140%	---	---		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 111 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>							
LCS Dup (0090841-BSD1)			Prepared: 09/29/20 11:00 Analyzed: 09/29/20 21:37						C-07, Q-19				
<u>EPA 8082A</u>													
Aroclor 1016	68.2	0.670	1.33	ug/kg wet	1	83.3	---	82	47-134%	7	30%		
Aroclor 1260	80.9	0.670	1.33	ug/kg wet	1	83.3	---	97	53-140%	4	30%		
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 111 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>							

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090905 - EPA 3546						Sediment						
Blank (0090905-BLK1)						Prepared: 09/30/20 14:57 Analyzed: 10/01/20 08:03						C-07
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.628	1.25	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS (0090905-BS1)						Prepared: 09/30/20 14:57 Analyzed: 10/01/20 08:21						C-07
<u>EPA 8082A</u>												
Aroclor 1016	63.0	0.670	1.33	ug/kg wet	1	83.3	---	76	47-134%	---	---	
Aroclor 1260	76.0	0.670	1.33	ug/kg wet	1	83.3	---	91	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 109 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS Dup (0090905-BSD1)						Prepared: 09/30/20 14:57 Analyzed: 10/01/20 08:39						C-07, Q-19
<u>EPA 8082A</u>												
Aroclor 1016	61.0	0.670	1.33	ug/kg wet	1	83.3	---	73	47-134%	3	30%	
Aroclor 1260	74.3	0.670	1.33	ug/kg wet	1	83.3	---	89	53-140%	2	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 107 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090807 - EPA 3546/3640A (GPC) Sediment												
Blank (0090807-BLK1) Prepared: 09/25/20 07:06 Analyzed: 09/29/20 13:08 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 56 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		94 %		55-130 %		"						
LCS (0090807-BS1) Prepared: 09/25/20 07:06 Analyzed: 09/29/20 13:25 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	48.0	1.00	2.00	ug/kg wet	1	50.0	---	96	50-150%	---	---	
2,4'-DDE	39.6	1.00	2.00	ug/kg wet	1	50.0	---	79	50-150%	---	---	
2,4'-DDT	50.0	1.00	2.00	ug/kg wet	1	50.0	---	100	50-150%	---	---	
4,4'-DDD	45.4	1.00	2.00	ug/kg wet	1	50.0	---	91	50-150%	---	---	
4,4'-DDE	44.4	1.00	2.00	ug/kg wet	1	50.0	---	89	50-150%	---	---	
4,4'-DDT	47.8	1.00	2.00	ug/kg wet	1	50.0	---	96	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 56 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		87 %		55-130 %		"						
Duplicate (0090807-DUP1) Prepared: 09/25/20 07:06 Analyzed: 09/29/20 13:58 C-05, H-08												
<u>QC Source Sample: PDI-171SC-A-01-02-200521 (A010556-29RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	ND	3.81	3.81	ug/kg dry	1	---	ND	---	---	---	30%	R-02
2,4'-DDE	ND	3.46	3.46	ug/kg dry	1	---	ND	---	---	---	30%	
2,4'-DDT	ND	3.46	3.46	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDD	ND	5.54	5.54	ug/kg dry	1	---	ND	---	---	---	30%	R-02
4,4'-DDE	ND	3.46	3.46	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDT	ND	3.46	3.46	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 67 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		87 %		55-130 %		"						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090807 - EPA 3546/3640A (GPC)						Sediment						
Matrix Spike (0090807-MS1)						Prepared: 09/25/20 07:06 Analyzed: 09/29/20 21:16					C-05, H-08, R-04	
QC Source Sample: PDI-018SC-A-05-06-190926 (A010556-45RE1)												
EPA 8081B												
2,4'-DDD	66.9	5.20	10.4	ug/kg dry	2	65.0	ND	103	50-150%	---	---	
2,4'-DDE	64.4	5.20	10.4	ug/kg dry	2	65.0	ND	99	50-150%	---	---	
2,4'-DDT	73.3	5.20	10.4	ug/kg dry	2	65.0	ND	113	50-150%	---	---	
4,4'-DDD	71.5	5.20	10.4	ug/kg dry	2	65.0	ND	110	50-150%	---	---	
4,4'-DDE	67.4	5.20	10.4	ug/kg dry	2	65.0	ND	104	50-150%	---	---	
4,4'-DDT	69.6	10.4	10.4	ug/kg dry	2	65.0	ND	107	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 2x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>113 %</i>		<i>55-130 %</i>		<i>"</i>						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090860 - EPA 3546/3640A (GPC) Sediment												
Blank (0090860-BLK1) Prepared: 09/29/20 10:55 Analyzed: 09/30/20 15:07 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	---	---	---	---	---	---	
<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>97 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0090860-BS1) Prepared: 09/29/20 10:55 Analyzed: 09/30/20 15:23 C-05												
<u>EPA 8081B</u>												
4,4'-DDD	47.4	1.00	2.00	ug/kg wet	1	50.0	---	95	50-150%	---	---	
4,4'-DDE	46.4	1.00	2.00	ug/kg wet	1	50.0	---	93	50-150%	---	---	
4,4'-DDT	53.0	1.00	2.00	ug/kg wet	1	50.0	---	106	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>95 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0090860-BS2) Prepared: 09/29/20 10:56 Analyzed: 09/30/20 15:40 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	46.0	1.00	2.00	ug/kg wet	1	50.0	---	92	50-150%	---	---	
2,4'-DDE	42.0	1.00	2.00	ug/kg wet	1	50.0	---	84	50-150%	---	---	
2,4'-DDT	50.4	1.00	2.00	ug/kg wet	1	50.0	---	101	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 58 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>"</i>						
Duplicate (0090860-DUP1) Prepared: 09/29/20 10:55 Analyzed: 09/30/20 16:30 C-05												
<u>QC Source Sample: Non-SDG (A010588-01RE1)</u>												
2,4'-DDD	ND	12.9	25.8	ug/kg dry	5	---	ND	---	---	---	30%	
2,4'-DDE	ND	12.9	25.8	ug/kg dry	5	---	ND	---	---	---	30%	
2,4'-DDT	ND	12.9	25.8	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDD	ND	12.9	25.8	ug/kg dry	5	---	29.0	---	---	***	30%	Q-05
4,4'-DDE	ND	12.9	25.8	ug/kg dry	5	---	ND	---	---	---	30%	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090860 - EPA 3546/3640A (GPC) Sediment												
Duplicate (0090860-DUP1) Prepared: 09/29/20 10:55 Analyzed: 09/30/20 16:30 C-05												
<u>QC Source Sample: Non-SDG (A010588-01RE1)</u>												
4,4'-DDT	ND	12.9	25.8	ug/kg dry	5	---	ND	---	---	---	30%	Q-05
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 57 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 5x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>103 %</i>		<i>55-130 %</i>		<i>"</i>						

Matrix Spike (0090860-MS1) Prepared: 09/29/20 10:55 Analyzed: 09/30/20 17:03 C-05												
<u>QC Source Sample: Non-SDG (A010709-02RE1)</u>												
<u>EPA 8081B</u>												
4,4'-DDD	81.6	6.16	12.3	ug/kg dry	2	77.1	19.5	81	56-139%	---	---	
4,4'-DDE	80.8	6.16	12.3	ug/kg dry	2	77.1	ND	105	56-134%	---	---	
4,4'-DDT	83.4	19.1	19.1	ug/kg dry	2	77.1	ND	108	50-141%	---	---	R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 54 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 2x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>126 %</i>		<i>55-130 %</i>		<i>"</i>						

Matrix Spike (0090860-MS2) Prepared: 09/29/20 10:56 Analyzed: 09/30/20 17:20 C-05												
<u>QC Source Sample: Non-SDG (A010709-02RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	79.5	12.3	12.3	ug/kg dry	2	77.1	ND	103	58-128%	---	---	
2,4'-DDE	64.4	6.17	12.3	ug/kg dry	2	77.1	ND	83	50-125%	---	---	
2,4'-DDT	78.9	6.17	12.3	ug/kg dry	2	77.1	ND	102	66-145%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 51 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 2x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>106 %</i>		<i>55-130 %</i>		<i>"</i>						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0100038 - EPA 3546/3640A (GPC) Sediment												
Blank (0100038-BLK1) Prepared: 10/01/20 07:03 Analyzed: 10/02/20 14:35 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	---	---	---	---	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 57 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>93 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0100038-BS1) Prepared: 10/01/20 07:03 Analyzed: 10/02/20 14:52 C-05												
<u>EPA 8081B</u>												
4,4'-DDD	45.9	1.00	2.00	ug/kg wet	1	50.0	---	92	50-150%	---	---	
4,4'-DDE	39.8	1.00	2.00	ug/kg wet	1	50.0	---	80	50-150%	---	---	
4,4'-DDT	53.6	1.00	2.00	ug/kg wet	1	50.0	---	107	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 59 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>100 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0100038-BS2) Prepared: 10/01/20 07:03 Analyzed: 10/02/20 15:08 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	44.2	1.00	2.00	ug/kg wet	1	50.0	---	88	50-150%	---	---	
2,4'-DDE	37.4	1.00	2.00	ug/kg wet	1	50.0	---	75	50-150%	---	---	
2,4'-DDT	46.9	1.00	2.00	ug/kg wet	1	50.0	---	94	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>97 %</i>		<i>55-130 %</i>		<i>"</i>						
Duplicate (0100038-DUP1) Prepared: 10/01/20 07:03 Analyzed: 10/02/20 15:41 C-05, H-08, R-04												
<u>QC Source Sample: PDI-083SC-B-12-14-191022 (A010556-48RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	ND	10.5	10.5	ug/kg dry	1	---	ND	---	---	---	30%	R-02
2,4'-DDE	ND	11.4	11.4	ug/kg dry	1	---	ND	---	---	---	30%	R-02
2,4'-DDT	ND	8.50	8.50	ug/kg dry	1	---	ND	---	---	---	30%	R-02
4,4'-DDD	ND	6.54	6.54	ug/kg dry	1	---	ND	---	---	---	30%	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0100038 - EPA 3546/3640A (GPC) Sediment												
Duplicate (0100038-DUP1)			Prepared: 10/01/20 07:03 Analyzed: 10/02/20 15:41						C-05, H-08, R-04			
QC Source Sample: PDI-083SC-B-12-14-191022 (A010556-48RE1)												
4,4'-DDE	ND	6.87	6.87	ug/kg dry	1	---	ND	---	---	---	30%	R-02
4,4'-DDT	ND	7.52	7.52	ug/kg dry	1	---	ND	---	---	---	30%	R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>105 %</i>		<i>55-130 %</i>		<i>"</i>						

Matrix Spike (0100038-MS1)			Prepared: 10/01/20 07:03 Analyzed: 10/02/20 16:14						C-05			
QC Source Sample: Non-SDG (A010708-03RE1)												
EPA 8081B												
4,4'-DDD	68.6	6.61	13.2	ug/kg dry	2	82.6	7.84	74	50-150%	---	---	
4,4'-DDE	68.4	6.61	13.2	ug/kg dry	2	82.6	ND	83	50-150%	---	---	
4,4'-DDT	73.9	20.5	20.5	ug/kg dry	2	82.6	ND	89	50-150%	---	---	R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 50 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 2x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>93 %</i>		<i>55-130 %</i>		<i>"</i>						

Matrix Spike (0100038-MS2)			Prepared: 10/01/20 07:03 Analyzed: 10/02/20 16:31						C-05			
QC Source Sample: Non-SDG (A010708-03RE1)												
EPA 8081B												
2,4'-DDD	77.6	6.68	13.4	ug/kg dry	2	83.5	ND	93	50-150%	---	---	
2,4'-DDE	74.2	6.68	13.4	ug/kg dry	2	83.5	ND	89	50-150%	---	---	
2,4'-DDT	80.3	6.68	13.4	ug/kg dry	2	83.5	ND	96	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 78 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 2x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>97 %</i>		<i>55-130 %</i>		<i>"</i>						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0100091 - EPA 3546												
Sediment												
Blank (0100091-BLK1)												
Prepared: 10/02/20 10:19 Analyzed: 10/05/20 16:28 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	---	---	---	---	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>103 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0100091-BS1)												
Prepared: 10/02/20 10:19 Analyzed: 10/05/20 16:45 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	44.3	1.00	2.00	ug/kg wet	1	50.0	---	89	58-128%	---	---	
2,4'-DDE	42.9	1.00	2.00	ug/kg wet	1	50.0	---	86	50-125%	---	---	
2,4'-DDT	50.9	1.00	2.00	ug/kg wet	1	50.0	---	102	66-145%	---	---	
4,4'-DDD	41.4	1.00	2.00	ug/kg wet	1	50.0	---	83	56-139%	---	---	
4,4'-DDE	41.9	1.00	2.00	ug/kg wet	1	50.0	---	84	56-134%	---	---	
4,4'-DDT	50.1	1.00	2.00	ug/kg wet	1	50.0	---	100	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 75 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>117 %</i>		<i>55-130 %</i>		<i>"</i>						
Duplicate (0100091-DUP1)												
Prepared: 10/02/20 10:19 Analyzed: 10/07/20 02:05 C-05, H-08												
<u>QC Source Sample: PDI-048SC-A-08-11-200506 (A010556-04RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	358	17.2	34.5	ug/kg dry	5	---	383	---	---	7	30%	
2,4'-DDE	ND	134	134	ug/kg dry	5	---	ND	---	---	---	30%	R-02
2,4'-DDT	ND	84.5	84.5	ug/kg dry	5	---	ND	---	---	---	30%	R-02
4,4'-DDD	597	17.2	34.5	ug/kg dry	5	---	634	---	---	6	30%	
4,4'-DDE	ND	112	112	ug/kg dry	5	---	ND	---	---	---	30%	R-02
4,4'-DDT	ND	72.4	72.4	ug/kg dry	5	---	ND	---	---	---	30%	R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 283 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 5x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>185 %</i>		<i>55-130 %</i>		<i>"</i>						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0100091 - EPA 3546						Sediment						
Matrix Spike (0100091-MS1)						Prepared: 10/02/20 10:19 Analyzed: 10/05/20 18:08						C-05
QC Source Sample: Non-SDG (A010750-02RE1)												
EPA 8081B												
2,4'-DDD	70.1	1.40	2.80	ug/kg dry	1	70.0	ND	100	58-128%	---	---	
2,4'-DDE	64.7	1.40	2.80	ug/kg dry	1	70.0	ND	92	50-125%	---	---	
2,4'-DDT	73.9	1.40	2.80	ug/kg dry	1	70.0	ND	106	66-145%	---	---	
4,4'-DDD	65.1	2.80	2.80	ug/kg dry	1	70.0	ND	93	56-139%	---	---	
4,4'-DDE	68.6	1.40	2.80	ug/kg dry	1	70.0	ND	98	56-134%	---	---	
4,4'-DDT	71.5	1.40	2.80	ug/kg dry	1	70.0	ND	102	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>117 %</i>		<i>55-130 %</i>		<i>"</i>						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0090743 - EPA 3546												
Sediment												
Blank (0090743-BLK1)												
Prepared: 09/25/20 10:22 Analyzed: 09/25/20 15:29												
<u>EPA 8270D</u>												
Acenaphthene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.04	2.08	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>100 %</i>		<i>54-127 %</i>		<i>"</i>						

LCS (0090743-BS1)												
Prepared: 09/25/20 10:22 Analyzed: 09/25/20 16:03												
<u>EPA 8270D</u>												
Acenaphthene	20.2	1.25	2.50	ug/kg wet	1	20.0	---	101	40-123%	---	---	
Acenaphthylene	20.6	1.25	2.50	ug/kg wet	1	20.0	---	103	32-132%	---	---	
Anthracene	21.0	1.25	2.50	ug/kg wet	1	20.0	---	105	47-123%	---	---	
Benz(a)anthracene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	49-126%	---	---	
Benzo(a)pyrene	22.2	1.25	2.50	ug/kg wet	1	20.0	---	111	45-129%	---	---	
Benzo(b)fluoranthene	19.6	1.25	2.50	ug/kg wet	1	20.0	---	98	45-132%	---	---	
Benzo(k)fluoranthene	20.2	1.25	2.50	ug/kg wet	1	20.0	---	101	47-132%	---	---	
Benzo(g,h,i)perylene	19.7	1.25	2.50	ug/kg wet	1	20.0	---	99	43-134%	---	---	
Chrysene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	95	50-124%	---	---	
Dibenz(a,h)anthracene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	96	45-134%	---	---	
Fluoranthene	20.9	1.25	2.50	ug/kg wet	1	20.0	---	105	50-127%	---	---	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0090743 - EPA 3546												
Sediment												
LCS (0090743-BS1)												
Prepared: 09/25/20 10:22 Analyzed: 09/25/20 16:03 Q-18												
Fluorene	21.9	1.25	2.50	ug/kg wet	1	20.0	---	110	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	18.6	1.25	2.50	ug/kg wet	1	20.0	---	93	45-133%	---	---	
2-Methylnaphthalene	19.7	1.25	2.50	ug/kg wet	1	20.0	---	98	38-122%	---	---	
Naphthalene	18.3	1.25	2.50	ug/kg wet	1	20.0	---	91	35-123%	---	---	
Phenanthrene	18.9	1.25	2.50	ug/kg wet	1	20.0	---	94	50-121%	---	---	
Pyrene	17.2	1.25	2.50	ug/kg wet	1	20.0	---	86	47-127%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>96 %</i>		<i>54-127 %</i>		<i>"</i>						

Duplicate (0090743-DUP1)												
Prepared: 09/25/20 10:22 Analyzed: 09/25/20 17:11												
QC Source Sample: PDI-171SC-A-01-02-200521 (A010556-29)												
EPA 8270D												
Acenaphthene	1180	776	1550	ug/kg dry	400	---	2240	---	---	62	30%	Q-04, J
Acenaphthylene	ND	776	1550	ug/kg dry	400	---	954	---	---	***	30%	Q-04
Anthracene	909	776	1550	ug/kg dry	400	---	2810	---	---	102	30%	Q-04, J
Benz(a)anthracene	1210	776	1550	ug/kg dry	400	---	3690	---	---	101	30%	Q-04, J
Benzo(a)pyrene	2020	776	1550	ug/kg dry	400	---	5610	---	---	94	30%	Q-04
Benzo(b)fluoranthene	1520	776	1550	ug/kg dry	400	---	4200	---	---	93	30%	Q-04, J
Benzo(k)fluoranthene	ND	776	1550	ug/kg dry	400	---	1570	---	---	***	30%	Q-04
Benzo(g,h,i)perylene	1470	776	1550	ug/kg dry	400	---	3910	---	---	90	30%	Q-04, J
Chrysene	1280	776	1550	ug/kg dry	400	---	4260	---	---	107	30%	Q-04, J
Dibenz(a,h)anthracene	ND	776	1550	ug/kg dry	400	---	ND	---	---	---	30%	
Fluoranthene	3490	776	1550	ug/kg dry	400	---	12800	---	---	114	30%	Q-04
Fluorene	ND	776	1550	ug/kg dry	400	---	1400	---	---	***	30%	Q-04
Indeno(1,2,3-cd)pyrene	1280	776	1550	ug/kg dry	400	---	3360	---	---	90	30%	Q-04, J
2-Methylnaphthalene	ND	776	1550	ug/kg dry	400	---	ND	---	---	---	30%	
Naphthalene	ND	776	1550	ug/kg dry	400	---	ND	---	---	---	30%	
Phenanthrene	4240	776	1550	ug/kg dry	400	---	11800	---	---	94	30%	Q-04
Pyrene	3740	776	1550	ug/kg dry	400	---	13300	---	---	112	30%	Q-04
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 400x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>96 %</i>		<i>54-127 %</i>		<i>"</i>						

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0090828 - EPA 3546												
Sediment												
Blank (0090828-BLK1)												
Prepared: 09/29/20 07:02 Analyzed: 09/29/20 10:12												
<u>EPA 8270D</u>												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>105 %</i>		<i>54-127 %</i>		<i>"</i>						

LCS (0090828-BS1)												
Prepared: 09/29/20 07:02 Analyzed: 09/29/20 10:44												
<u>EPA 8270D</u>												
Acenaphthene	21.9	1.25	2.50	ug/kg wet	1	20.0	---	109	40-123%	---	---	
Acenaphthylene	21.4	1.25	2.50	ug/kg wet	1	20.0	---	107	32-132%	---	---	
Anthracene	21.7	1.25	2.50	ug/kg wet	1	20.0	---	108	47-123%	---	---	
Benz(a)anthracene	19.6	1.25	2.50	ug/kg wet	1	20.0	---	98	49-126%	---	---	
Benzo(a)pyrene	22.9	1.25	2.50	ug/kg wet	1	20.0	---	115	45-129%	---	---	
Benzo(b)fluoranthene	19.5	1.25	2.50	ug/kg wet	1	20.0	---	98	45-132%	---	---	
Benzo(k)fluoranthene	20.5	1.25	2.50	ug/kg wet	1	20.0	---	103	47-132%	---	---	
Benzo(g,h,i)perylene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	96	43-134%	---	---	
Chrysene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	50-124%	---	---	
Dibenz(a,h)anthracene	17.9	1.25	2.50	ug/kg wet	1	20.0	---	90	45-134%	---	---	
Fluoranthene	20.8	1.25	2.50	ug/kg wet	1	20.0	---	104	50-127%	---	---	

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AMENDED REPORT

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:
A010556 - 11 11 20 0423

QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0090828 - EPA 3546												
Sediment												
LCS (0090828-BS1)												
Prepared: 09/29/20 07:02 Analyzed: 09/29/20 10:44												
Fluorene	22.3	1.25	2.50	ug/kg wet	1	20.0	---	112	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	18.5	1.25	2.50	ug/kg wet	1	20.0	---	93	45-133%	---	---	
2-Methylnaphthalene	20.4	1.25	2.50	ug/kg wet	1	20.0	---	102	38-122%	---	---	
Naphthalene	19.5	1.25	2.50	ug/kg wet	1	20.0	---	97	35-123%	---	---	
Phenanthrene	19.4	1.25	2.50	ug/kg wet	1	20.0	---	97	50-121%	---	---	
Pyrene	18.1	1.25	2.50	ug/kg wet	1	20.0	---	90	47-127%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>98 %</i>		<i>54-127 %</i>		<i>"</i>						

Duplicate (0090828-DUP1)												
Prepared: 09/29/20 07:02 Analyzed: 09/29/20 13:00												
QC Source Sample: PDI-018SC-A-00-01-190926 (A010556-40RE1)												
EPA 8270D												
Acenaphthene	11300	143	287	ug/kg dry	100	---	6260	---	---	57	30%	Q-04
Acenaphthylene	1730	143	287	ug/kg dry	100	---	806	---	---	73	30%	Q-04
Anthracene	8130	143	287	ug/kg dry	100	---	4410	---	---	59	30%	Q-04
Benz(a)anthracene	6370	143	287	ug/kg dry	100	---	3270	---	---	64	30%	Q-04
Benzo(a)pyrene	9240	143	287	ug/kg dry	100	---	4590	---	---	67	30%	Q-04
Benzo(b)fluoranthene	6780	143	287	ug/kg dry	100	---	3420	---	---	66	30%	Q-04
Benzo(k)fluoranthene	2480	143	287	ug/kg dry	100	---	1140	---	---	74	30%	M-05, Q-04
Benzo(g,h,i)perylene	5880	143	287	ug/kg dry	100	---	2960	---	---	66	30%	Q-04
Chrysene	7170	143	287	ug/kg dry	100	---	3560	---	---	67	30%	Q-04
Dibenz(a,h)anthracene	619	143	287	ug/kg dry	100	---	312	---	---	66	30%	Q-04
Fluoranthene	21200	143	287	ug/kg dry	100	---	11600	---	---	58	30%	Q-04
Fluorene	6560	143	287	ug/kg dry	100	---	3600	---	---	58	30%	Q-04
Indeno(1,2,3-cd)pyrene	4860	143	287	ug/kg dry	100	---	2460	---	---	66	30%	Q-04
2-Methylnaphthalene	ND	143	287	ug/kg dry	100	---	ND	---	---	---	30%	
Naphthalene	573	143	287	ug/kg dry	100	---	626	---	---	9	30%	
Pyrene	22600	143	287	ug/kg dry	100	---	12000	---	---	62	30%	Q-04
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 100x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>92 %</i>		<i>54-127 %</i>		<i>"</i>						

Duplicate (0090828-DUP2)												
Prepared: 09/29/20 07:02 Analyzed: 09/29/20 14:05												
QC Source Sample: PDI-018SC-A-00-01-190926 (A010556-40RE1)												

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0090828 - EPA 3546												
Sediment												
Duplicate (0090828-DUP2) Prepared: 09/29/20 07:02 Analyzed: 09/29/20 14:05 H-08												
QC Source Sample: PDI-018SC-A-00-01-190926 (A010556-40RE1)												
EPA 8270D												
Phenanthrene	42400	1430	2870	ug/kg dry	1000	---	19500	---	---	74	30%	Q-04
<i>Surr: 2-Fluorobiphenyl (Surr) Recovery: 60 % Limits: 44-120 % Dilution: 1000x S-05</i>												
<i>p-Terphenyl-d14 (Surr) 140 % 54-127 % " S-05</i>												

Matrix Spike (0090828-MS1) Prepared: 09/29/20 07:02 Analyzed: 09/29/20 11:56 H-08												
QC Source Sample: PDI-018SC-A-02-03-190926 (A010556-42RE1)												
EPA 8270D												
Acenaphthene	14100	1740	3480	ug/kg dry	1000	27.8	12000	7790	40-123%	---	---	Q-11
Acenaphthylene	5060	1740	3480	ug/kg dry	1000	27.8	8450	-12200	32-132%	---	---	Q-11
Anthracene	6360	1740	3480	ug/kg dry	1000	27.8	8710	-8460	47-123%	---	---	Q-11
Benz(a)anthracene	12100	1740	3480	ug/kg dry	1000	27.8	23000	-39200	49-126%	---	---	Q-11
Benzo(a)pyrene	17600	1740	3480	ug/kg dry	1000	27.8	40600	-82700	45-129%	---	---	Q-11
Benzo(b)fluoranthene	14000	1740	3480	ug/kg dry	1000	27.8	29800	-56900	45-132%	---	---	Q-11
Benzo(k)fluoranthene	4500	1740	3480	ug/kg dry	1000	27.8	11500	-25100	47-132%	---	---	Q-11
Benzo(g,h,i)perylene	12100	1740	3480	ug/kg dry	1000	27.8	29300	-61800	43-134%	---	---	Q-11
Chrysene	15400	1740	3480	ug/kg dry	1000	27.8	31600	-58200	50-124%	---	---	Q-11
Dibenz(a,h)anthracene	ND	1740	3480	ug/kg dry	1000	27.8	2770	-9940	45-134%	---	---	Q-11
Fluoranthene	39000	1740	3480	ug/kg dry	1000	27.8	61600	-81200	50-127%	---	---	Q-11
Fluorene	2310	1740	3480	ug/kg dry	1000	27.8	ND	8300	43-125%	---	---	Q-11, J
Indeno(1,2,3-cd)pyrene	10200	1740	3480	ug/kg dry	1000	27.8	23600	-48100	45-133%	---	---	Q-11
2-Methylnaphthalene	1880	1740	3480	ug/kg dry	1000	27.8	2000	-414	38-122%	---	---	Q-11, J
Naphthalene	13800	1740	3480	ug/kg dry	1000	27.8	17900	-14700	35-123%	---	---	Q-11
Phenanthrene	10400	1740	3480	ug/kg dry	1000	27.8	8700	6240	50-121%	---	---	Q-11
Pyrene	51900	1740	3480	ug/kg dry	1000	27.8	81100	-105000	47-127%	---	---	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr) Recovery: 70 % Limits: 44-120 % Dilution: 1000x S-05</i>												
<i>p-Terphenyl-d14 (Surr) 120 % 54-127 % " S-05</i>												

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0110194 - PSEP-5310B TOC						Soil						
Blank (0110194-BLK1)			Prepared: 11/06/20 09:13 Analyzed: 11/09/20 18:50									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	ND	0.020	0.020	% wet	1	---	---	---	---	---	---	
LCS (0110194-BS1)			Prepared: 11/06/20 09:13 Analyzed: 11/09/20 19:01									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	9900			mg/kg	1	10000	---	99	88-111%	---	---	
Duplicate (0110194-DUP1)			Prepared: 11/06/20 09:13 Analyzed: 11/09/20 19:44									
<u>QC Source Sample: PDI-173SC-A-01-02-200521 (A010556-35)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	0.15	0.026	0.026	% dry	1	---	0.28	---	---	60	27%	H-08, Q-04
Duplicate (0110194-DUP2)			Prepared: 11/06/20 09:13 Analyzed: 11/09/20 19:55									
<u>QC Source Sample: PDI-173SC-A-01-02-200521 (A010556-35)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	0.17	0.026	0.026	% dry	1	---	0.28	---	---	45	27%	H-08, Q-04
Duplicate (0110194-DUP3)			Prepared: 11/06/20 09:13 Analyzed: 11/09/20 21:54									
<u>QC Source Sample: Non-SDG (A0K0048-01)</u>												
Total Organic Carbon	2.0	0.038	0.038	% dry	1	---	2.1	---	---	6	27%	H-08

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090759 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0090759-DUP1)						Prepared: 09/25/20 13:22 Analyzed: 09/29/20 15:06						
<u>QC Source Sample: PDI-171SC-A-01-02-200521 (A010556-29)</u>												
<u>SM 2540 G</u>												
Total Solids	55.1	1.00	1.00	% by Weight	1	---	54.4	---	---	1	10%	
Duplicate (0090759-DUP2)						Prepared: 09/25/20 13:22 Analyzed: 09/29/20 15:06						
<u>QC Source Sample: PDI-018SC-A-01-02-190926 (A010556-41)</u>												
<u>SM 2540 G</u>												
Total Solids	81.3	1.00	1.00	% by Weight	1	---	86.5	---	---	6	10%	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090868 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0090868-DUP1)						Prepared: 09/30/20 08:16 Analyzed: 10/01/20 14:57						
<u>QC Source Sample: PDI-048SC-A-08-11-200506 (A010556-04)</u>												
<u>SM 2540 G</u>												
Total Solids	57.0	1.00	1.00	% by Weight	1	---	56.4	---	---	1	10%	
Duplicate (0090868-DUP2)						Prepared: 09/30/20 08:16 Analyzed: 10/01/20 14:57						
<u>QC Source Sample: Non-SDG (A010710-01)</u>												
Total Solids	50.5	1.00	1.00	% by Weight	1	---	48.9	---	---	3	10%	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0090890 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0090890-DUP1)						Prepared: 09/30/20 11:24 Analyzed: 10/01/20 14:34						
<u>QC Source Sample: Non-SDG (A010596-01)</u>												
Total Solids	74.1	1.00	1.00	% by Weight	1	---	72.7	---	---	2	10%	
Duplicate (0090890-DUP2)						Prepared: 09/30/20 11:24 Analyzed: 10/01/20 14:34						
<u>QC Source Sample: PDI-075SC-B-10-12-191013 (A010556-17)</u>												
<u>SM 2540 G</u>												
Total Solids	60.1	1.00	1.00	% by Weight	1	---	58.7	---	---	2	10%	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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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 0100056 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0100056-DUP1)						Prepared: 10/02/20 09:09 Analyzed: 10/05/20 14:57						
<u>QC Source Sample: Non-SDG (A010705-01)</u>												
Total Solids	63.7	1.00	1.00	% by Weight	1	---	63.6	---	---	0.2	10%	
Duplicate (0100056-DUP2)						Prepared: 10/02/20 09:09 Analyzed: 10/05/20 14:57						
<u>QC Source Sample: Non-SDG (A010821-05)</u>												
Total Solids	90.0	1.00	1.00	% by Weight	1	---	89.4	---	---	0.7	10%	

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546						Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor	
<u>Batch: 0090782</u>								
A010556-07	SE	EPA 8082A	10/16/19 10:38	09/28/20 07:19	15.44g/1mL	15g/1mL	0.97	
A010556-08	SE	EPA 8082A	10/16/19 10:35	09/28/20 07:19	15.11g/1mL	15g/1mL	0.99	
A010556-21	SE	EPA 8082A	05/05/20 10:50	09/28/20 07:19	15.27g/1mL	15g/1mL	0.98	
A010556-29	SE	EPA 8082A	05/21/20 15:15	09/28/20 07:19	15.74g/1mL	15g/1mL	0.95	
A010556-30	SE	EPA 8082A	05/21/20 15:15	09/28/20 07:19	15.37g/1mL	15g/1mL	0.98	
A010556-31	SE	EPA 8082A	05/21/20 15:15	09/28/20 07:19	15.39g/1mL	15g/1mL	0.98	
A010556-32	SE	EPA 8082A	05/21/20 15:15	09/28/20 07:19	15.73g/1mL	15g/1mL	0.95	
A010556-33	SE	EPA 8082A	05/21/20 15:15	09/28/20 07:19	15.68g/1mL	15g/1mL	0.96	
A010556-34	SE	EPA 8082A	05/21/20 15:15	09/28/20 07:19	15.74g/1mL	15g/1mL	0.95	
A010556-35	SE	EPA 8082A	05/21/20 11:45	09/28/20 07:19	15.76g/1mL	15g/1mL	0.95	
A010556-36	SE	EPA 8082A	05/21/20 11:45	09/28/20 07:19	15.37g/1mL	15g/1mL	0.98	
A010556-37	SE	EPA 8082A	05/21/20 11:45	09/28/20 07:19	15.51g/1mL	15g/1mL	0.97	
A010556-38	SE	EPA 8082A	05/21/20 12:10	09/28/20 07:19	15.56g/1mL	15g/1mL	0.96	
A010556-39RE1	SE	EPA 8082A	05/21/20 12:10	09/28/20 07:19	15.66g/1mL	15g/1mL	0.96	
A010556-40	SE	EPA 8082A	09/26/19 08:54	09/28/20 12:17	15.33g/1mL	15g/1mL	0.98	
A010556-42	SE	EPA 8082A	09/26/19 08:54	09/28/20 12:17	15.52g/1mL	15g/1mL	0.97	
A010556-44	SE	EPA 8082A	09/26/19 08:54	09/28/20 07:19	15.12g/2mL	15g/1mL	1.98	
A010556-45	SE	EPA 8082A	09/26/19 08:54	09/28/20 07:19	15.01g/2mL	15g/1mL	2.00	
<u>Batch: 0090841</u>								
A010556-43RE1	SE	EPA 8082A	09/26/19 08:54	09/29/20 10:52	15.25g/1mL	15g/1mL	0.98	
<u>Batch: 0090905</u>								
A010556-41RE1	SE	EPA 8082A	09/26/19 08:54	09/30/20 14:57	15.01g/2mL	15g/1mL	2.00	

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546						Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor	
<u>Batch: 0100091</u>								
A010556-04RE1	SE	EPA 8081B	05/06/20 11:15	10/02/20 10:19	10.3g/20mL	10g/5mL	3.88	
A010556-07RE1	SE	EPA 8081B	10/16/19 10:38	10/02/20 10:19	10.43g/20mL	10g/5mL	3.84	
A010556-08RE1	SE	EPA 8081B	10/16/19 10:35	10/02/20 10:19	10.28g/20mL	10g/5mL	3.89	
A010556-09RE1	SE	EPA 8081B	10/13/19 10:41	10/02/20 10:19	10.4g/10mL	10g/5mL	1.92	
A010556-10RE1	SE	EPA 8081B	10/13/19 10:41	10/02/20 10:19	10.17g/20mL	10g/5mL	3.93	
A010556-11RE1	SE	EPA 8081B	10/13/19 10:41	10/02/20 10:19	10.59g/20mL	10g/5mL	3.78	
A010556-14RE1	SE	EPA 8081B	10/13/19 07:35	10/02/20 10:19	10.47g/20mL	10g/5mL	3.82	

Apex Laboratories

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AMENDED REPORT

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:
A010556 - 11 11 20 0423

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A010556-17RE1	SE	EPA 8081B	10/13/19 07:35	10/02/20 10:19	10.46g/10mL	10g/5mL	1.91
A010556-20RE1	SE	EPA 8081B	10/13/19 07:35	10/02/20 10:19	10.5g/10mL	10g/5mL	1.90
A010556-21RE1	SE	EPA 8081B	05/05/20 10:50	10/02/20 10:19	10.52g/10mL	10g/5mL	1.90
A010556-21RE2	SE	EPA 8081B	05/05/20 10:50	10/02/20 10:19	10.52g/10mL	10g/5mL	1.90
A010556-22RE1	SE	EPA 8081B	10/14/19 13:15	10/02/20 10:19	10.34g/10mL	10g/5mL	1.93
A010556-23RE1	SE	EPA 8081B	10/22/19 14:07	10/02/20 10:19	10.2g/20mL	10g/5mL	3.92
A010556-24RE1	SE	EPA 8081B	10/22/19 14:07	10/02/20 10:19	10.66g/10mL	10g/5mL	1.88
A010556-27RE2	SE	EPA 8081B	10/22/19 14:05	10/02/20 10:19	10.35g/10mL	10g/5mL	1.93
A010556-28RE1	SE	EPA 8081B	10/22/19 14:07	10/02/20 10:19	10.16g/10mL	10g/5mL	1.97

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0090807</u>							
A010556-29RE1	SE	EPA 8081B	05/21/20 15:15	09/25/20 07:06	10.61g/10mL	10g/5mL	1.89
A010556-30RE1	SE	EPA 8081B	05/21/20 15:15	09/25/20 07:06	10.19g/10mL	10g/5mL	1.96
A010556-31RE1	SE	EPA 8081B	05/21/20 15:15	09/25/20 07:06	10.21g/10mL	10g/5mL	1.96
A010556-32RE1	SE	EPA 8081B	05/21/20 15:15	09/25/20 07:06	10.66g/10mL	10g/5mL	1.88
A010556-33RE1	SE	EPA 8081B	05/21/20 15:15	09/25/20 07:06	10.17g/10mL	10g/5mL	1.97
A010556-34RE1	SE	EPA 8081B	05/21/20 15:15	09/25/20 07:06	10.25g/10mL	10g/5mL	1.95
A010556-35RE1	SE	EPA 8081B	05/21/20 11:45	09/25/20 07:06	10.48g/10mL	10g/5mL	1.91
A010556-36RE1	SE	EPA 8081B	05/21/20 11:45	09/25/20 07:06	10.42g/10mL	10g/5mL	1.92
A010556-37RE1	SE	EPA 8081B	05/21/20 11:45	09/25/20 07:06	10.09g/10mL	10g/5mL	1.98
A010556-38RE1	SE	EPA 8081B	05/21/20 12:10	09/25/20 07:06	10.12g/10mL	10g/5mL	1.98
A010556-39RE1	SE	EPA 8081B	05/21/20 12:10	09/25/20 07:06	10.04g/10mL	10g/5mL	1.99
A010556-40RE1	SE	EPA 8081B	09/26/19 08:54	09/25/20 07:06	10.19g/10mL	10g/5mL	1.96
A010556-42RE1	SE	EPA 8081B	09/26/19 08:54	09/25/20 07:06	10g/10mL	10g/5mL	2.00
A010556-43RE1	SE	EPA 8081B	09/26/19 08:54	09/25/20 07:06	10.06g/20mL	10g/5mL	3.98
A010556-44RE1	SE	EPA 8081B	09/26/19 08:54	09/25/20 07:06	10.05g/20mL	10g/5mL	3.98
A010556-45RE1	SE	EPA 8081B	09/26/19 08:54	09/25/20 07:06	10.59g/20mL	10g/5mL	3.78
<u>Batch: 0090860</u>							
A010556-41RE1	SE	EPA 8081B	09/26/19 08:54	09/29/20 10:55	10.18g/20mL	10g/5mL	3.93
<u>Batch: 0100038</u>							
A010556-48RE1	SE	EPA 8081B	10/22/19 14:05	10/01/20 07:03	10.53g/20mL	10g/5mL	3.80

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

Apex Laboratories

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Darwin Thomas, Business Development Director



AMENDED REPORT

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: A010556 - 11 11 20 0423
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SAMPLE PREPARATION INFORMATION

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

Prep: EPA 3546					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 0090743</u>							
A010556-29	SE	EPA 8270D	05/21/20 15:15	09/25/20 10:22	10.86g/5mL	10g/5mL	0.92
A010556-30	SE	EPA 8270D	05/21/20 15:15	09/25/20 10:22	11.02g/5mL	10g/5mL	0.91
A010556-31	SE	EPA 8270D	05/21/20 15:15	09/25/20 10:22	11.01g/5mL	10g/5mL	0.91
A010556-32	SE	EPA 8270D	05/21/20 15:15	09/25/20 10:22	10.88g/5mL	10g/5mL	0.92
A010556-33	SE	EPA 8270D	05/21/20 15:15	09/25/20 10:22	10.81g/5mL	10g/5mL	0.93
A010556-34	SE	EPA 8270D	05/21/20 15:15	09/25/20 10:22	11.57g/5mL	10g/5mL	0.86
A010556-35	SE	EPA 8270D	05/21/20 11:45	09/25/20 10:22	10.49g/5mL	10g/5mL	0.95
A010556-36	SE	EPA 8270D	05/21/20 11:45	09/25/20 10:22	11.26g/5mL	10g/5mL	0.89
A010556-37	SE	EPA 8270D	05/21/20 11:45	09/25/20 10:22	10.89g/5mL	10g/5mL	0.92
A010556-38	SE	EPA 8270D	05/21/20 12:10	09/25/20 10:22	11.06g/5mL	10g/5mL	0.90
A010556-39	SE	EPA 8270D	05/21/20 12:10	09/25/20 10:22	10.63g/5mL	10g/5mL	0.94
A010556-43	SE	EPA 8270D	09/26/19 08:54	09/25/20 10:22	11.01g/5mL	10g/5mL	0.91
A010556-44	SE	EPA 8270D	09/26/19 08:54	09/25/20 10:22	10.98g/5mL	10g/5mL	0.91
A010556-45	SE	EPA 8270D	09/26/19 08:54	09/25/20 10:22	10.83g/5mL	10g/5mL	0.92
<u>Batch: 0090828</u>							
A010556-40RE1	SE	EPA 8270D	09/26/19 08:54	09/29/20 07:02	10.03g/5mL	10g/5mL	1.00
A010556-41RE1	SE	EPA 8270D	09/26/19 08:54	09/29/20 07:02	10.08g/5mL	10g/5mL	0.99
A010556-42RE1	SE	EPA 8270D	09/26/19 08:54	09/29/20 07:02	10.07g/5mL	10g/5mL	0.99

Demand Parameters

Prep: PSEP-5310B TOC					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 0110194</u>							
A010556-35	SE	PSEP_SM 5310B MOD	05/21/20 11:45	11/06/20 09:13			NA
A010556-36	SE	PSEP_SM 5310B MOD	05/21/20 11:45	11/06/20 09:13			NA
A010556-37	SE	PSEP_SM 5310B MOD	05/21/20 11:45	11/06/20 09:13			NA
A010556-38	SE	PSEP_SM 5310B MOD	05/21/20 12:10	11/06/20 09:13			NA
A010556-39	SE	PSEP_SM 5310B MOD	05/21/20 12:10	11/06/20 09:13			NA

Solid and Moisture Determinations

Apex Laboratories

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

<u>Prep: Total Solids (SM2540G/PSEP)</u>					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 0090759</u>							
A010556-29	SE	SM 2540 G	05/21/20 15:15	09/25/20 13:22			NA
A010556-30	SE	SM 2540 G	05/21/20 15:15	09/25/20 13:22			NA
A010556-31	SE	SM 2540 G	05/21/20 15:15	09/25/20 13:22			NA
A010556-32	SE	SM 2540 G	05/21/20 15:15	09/25/20 13:22			NA
A010556-33	SE	SM 2540 G	05/21/20 15:15	09/25/20 13:22			NA
A010556-34	SE	SM 2540 G	05/21/20 15:15	09/25/20 13:22			NA
A010556-35	SE	SM 2540 G	05/21/20 11:45	09/25/20 13:22			NA
A010556-36	SE	SM 2540 G	05/21/20 11:45	09/25/20 13:22			NA
A010556-37	SE	SM 2540 G	05/21/20 11:45	09/25/20 13:22			NA
A010556-38	SE	SM 2540 G	05/21/20 12:10	09/25/20 13:22			NA
A010556-39	SE	SM 2540 G	05/21/20 12:10	09/25/20 13:22			NA
A010556-40	SE	SM 2540 G	09/26/19 08:54	09/25/20 13:22			NA
A010556-41	SE	SM 2540 G	09/26/19 08:54	09/25/20 13:22			NA
A010556-42	SE	SM 2540 G	09/26/19 08:54	09/25/20 13:22			NA
A010556-43	SE	SM 2540 G	09/26/19 08:54	09/25/20 13:22			NA
A010556-44	SE	SM 2540 G	09/26/19 08:54	09/25/20 13:22			NA
A010556-45	SE	SM 2540 G	09/26/19 08:54	09/25/20 13:22			NA
<u>Batch: 0090868</u>							
A010556-04	SE	SM 2540 G	05/06/20 11:15	09/30/20 08:16			NA
A010556-48	SE	SM 2540 G	10/22/19 14:05	09/30/20 08:16			NA
<u>Batch: 0090890</u>							
A010556-08	SE	SM 2540 G	10/16/19 10:35	09/30/20 11:24			NA
A010556-09	SE	SM 2540 G	10/13/19 10:41	09/30/20 11:24			NA
A010556-10	SE	SM 2540 G	10/13/19 10:41	09/30/20 11:24			NA
A010556-11	SE	SM 2540 G	10/13/19 10:41	09/30/20 11:24			NA
A010556-14	SE	SM 2540 G	10/13/19 07:35	09/30/20 11:24			NA
A010556-17	SE	SM 2540 G	10/13/19 07:35	09/30/20 11:24			NA
A010556-20	SE	SM 2540 G	10/13/19 07:35	09/30/20 11:24			NA
A010556-21	SE	SM 2540 G	05/05/20 10:50	09/30/20 11:24			NA
A010556-22	SE	SM 2540 G	10/14/19 13:15	09/30/20 11:24			NA
A010556-23	SE	SM 2540 G	10/22/19 14:07	09/30/20 11:24			NA
A010556-24	SE	SM 2540 G	10/22/19 14:07	09/30/20 11:24			NA
A010556-27	SE	SM 2540 G	10/22/19 14:05	09/30/20 11:24			NA
A010556-28	SE	SM 2540 G	10/22/19 14:07	09/30/20 11:24			NA
<u>Batch: 0100056</u>							

Apex Laboratories

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Apex Laboratories, LLC

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

AMENDED REPORT

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: A010556 - 11 11 20 0423
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SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

<u>Prep: Total Solids (SM2540G/PSEP)</u>					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
A010556-07	SE	SM 2540 G	10/16/19 10:38	10/02/20 09:09			NA

Apex Laboratories

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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QUALIFIER DEFINITIONS

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

Apex Laboratories

- 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.
- EST** Result reported as an Estimated Value. Estimated due to non-target 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-11** Result estimated. Secondary column confirmation does not meet method criteria due to matrix interference.
- P-12** Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-11** Spike recovery cannot be accurately quantified due to sample dilution required for high analyte concentration and/or matrix interference.
- Q-18** Matrix Spike results for this extraction batch are not reported due to the high dilution necessary for analysis of the source sample.
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- Q-42** Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
- 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-01** Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
- S-03** Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

Apex Laboratories

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

- DET Analyte DETECTED at or above the detection or reporting limit.
- ND Analyte NOT DETECTED at or above the detection or reporting limit.
- NR Result Not Reported
- RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

- Basis: Results for soil samples are generally reported on a 100% dry weight basis. The Result Basis is listed following the units as "dry", "wet", or "" (blank) designation.
 - "dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
 - "wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
 - "" Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

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

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

Miscellaneous Notes:

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to 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

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

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AMENDED REPORT

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: A010556 - 11 11 20 0423
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LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
<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

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AMENDED REPORT

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:
A010556 - 11 11 20 0423

ADDRESS

Chain of Custody Record & Laboratory Analysis Request

Laboratory Number: _____
Date: 09/17/2020
Project Name: Gasco PDI
Project Number: 000029-02.64
Project Manager: Delaney Peterson
Phone Number: 360.715.2707
Shipment Method: FedEx
Samplers: co, sn

ANCHOR QEA

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers		Comments/Preservation
				PCB Arcloers (8082A)	PAHs (8270D)	
1	PDI-046SC-A-08-11-190506	05/06/2019 11:15:00	SE	1		
2	PDI-068SC-B-08-10-191016	10/16/2019 10:38:00	SE	1	X	
3	PDI-068SC-A-10-11-191016	10/16/2019 10:35:00	SE	1	X	
4	PDI-073SC-A-08-09-191013	10/13/2019 10:41:00	SE	1	X	
5	PDI-073SC-A-09-10-191013	10/13/2019 10:41:00	SE	1	X	
6	PDI-073SC-A-10-11-191013	10/13/2019 10:41:00	SE	1	X	
7	PDI-075SC-B-08-10-191013	10/13/2019 07:35:00	SE	1	X	
8	PDI-075SC-B-10-12-191013	10/13/2019 07:35:00	SE	1	X	
9	PDI-075SC-B-12-14-191013	10/13/2019 07:35:00	SE	1	X	
10	PDI-078SC-A-07-08-200605	05/05/2020 10:50:00	SE	1	X	
11	PDI-078SC-B-06-08-191014	10/14/2019 13:15:00 AM	SE	1	X	
12	PDI-083SC-A-08-09-191022	10/22/2019 14:07:00	SE	1	X	
13	PDI-083SC-A-09-10-191022	10/22/2019 14:07:00	SE	1	X	
14	PDI-083SC-B-10-12-191022	10/22/2019 14:05:00	SE	1	X	
15	PDI-083SC-B-12-14-191022	10/22/2019 14:05:00	SE	1	X	

Test Parameters

Total Solids (SM 2540G) _____
LR Pesticides (8081B) _____
PCB Arcloers (8082A) _____
PAHs (8270D) _____

Received By: _____ Company: _____
Signature/Printed Name: _____
Received By: _____ Company: _____
Signature/Printed Name: _____

Relinquished By: _____ Company: Anchor QEA, LLC
Signature/Printed Name: _____ Date/Time: _____
Relinquished By: _____ Company: _____
Signature/Printed Name: _____ Date/Time: _____

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.



AMENDED REPORT

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:
A010556 - 11 11 20 0423

A010556

Chain of Custody Record & Laboratory Analysis Request

Laboratory Number: _____

Date: 09/17/2020
Project Name: Gasco PDI
Project Number: 000029-02.64
Project Manager: Delaney Peterson
Phone Number: 360.715.2707
Shipment Method: FedEx
Samplers: co, sn

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	PCB Aroclors (8082A)	PAHs (8270D)	LR Pesticides (8018)	Total Solids (SM 2540G)	Comments/Preservation
16	PDI-083SC-A-14-15-191022	10/22/2019 14:07:00	SE	1	X	X	X	X	
17	PDI-171TSC-A-01-02-200521	5/21/2020 15:15:00 PM	SE	1	X	X	X	X	
18	PDI-171TSC-A-02-03-200521	5/21/2020 15:15:00 PM	SE	1	X	X	X	X	
19	PDI-171TSC-A-03-04-200521	5/21/2020 15:15:00 PM	SE	1	X	X	X	X	
20	PDI-171TSC-A-04-05-200521	5/21/2020 15:15:00 PM	SE	1	X	X	X	X	
21	PDI-171TSC-A-05-06-200521	5/21/2020 15:15:00 PM	SE	1	X	X	X	X	
22	PDI-171TSC-A-06-07-200521	5/21/2020 15:15:00 PM	SE	1	X	X	X	X	
23	PDI-173SC-A-02-03-200521	05/21/2020 11:45:00	SE	1	X	X	X	X	
24	PDI-173SC-A-02-03-200521	05/21/2020 11:45:00	SE	1	X	X	X	X	
25	PDI-173SC-A-03-04-200521	05/21/2020 11:45:00	SE	1	X	X	X	X	
26	PDI-174SC-A-01-02-200521	05/21/2020 12:10:00	SE	1	X	X	X	X	
27	PDI-174SC-A-02-03-200521	05/21/2020 12:10:00	SE	1	X	X	X	X	
28	PDI-018SC-A-00-01-190926	09/26/2019 08:54:00	SE	1	X	X	X	X	
29	PDI-018SC-A-01-02-190926	09/26/2019 08:54:00	SE	1	X	X	X	X	
30	PDI-018SC-A-02-03-190926	09/26/2019 08:54:00	SE	1	X	X	X	X	

Relinquished By: _____ Company: Anchor QEA, LLC
Signature/Printed Name: _____ Date/Time: _____

Received By: _____ Company: _____
Signature/Printed Name: _____ Date/Time: _____

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

AMENDED REPORT

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: A010556 - 11 11 20 0423
--	---	---

A010556

Chain of Custody Record & Laboratory Analysis Request

Laboratory Number: _____

Date: 09/17/2020

Project Name: Gasco PDI

Project Number: 000029-02-64

Project Manager: Delaney Peterson

Phone Number: 360.715.2707

Shipment Method: FedEx

Samplers: co, sn

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	PCB Aroclors (8082A)	PAHs (8270D)	LR Pesticides (8081B)	Total Solids (SM 2540G)	Comments/Preservation
31	PDI-0185C-A-03-04-190926	09/26/2019 08:54:00	SE	1	X	X	X	X	
32	PDI-0185C-A-04-05-190926	09/26/2019 08:54:00	SE	1	X	X	X	X	
33	PDI-0185C-A-05-06-190926	09/26/2019 08:54:00	SE	1	X	X	X	X	
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									

Relinquished By: _____ **Company:** Anchor QEA, LLC **Date/Time:** _____

Signature/Printed Name: _____

Received By: _____ **Company:** _____ **Date/Time:** _____

Signature/Printed Name: _____

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.



AMENDED REPORT

Anchor QEA, LLC Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
 6720 SW Macadam Ave. Suite 125 Project Number: [none] Report ID:
 Portland, OR 97219 Project Manager: Ryan Barth A010556 - 11 11 20 0423

A010556
A0E0109

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA
 1001 3rd Avenue, Suite 2000, Seattle, WA 98101
 POC: Delaney Peterson (360-715-2707)
 Project: Gasco PDI
 1605 Cornwell Avenue, Bellingham, WA 98225 Client: NW Natural

COC ID: APEX1-20200506-154117
 Sample Custodian: SN
 Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab OC	Test Request	Method	TAT**	Preservative
001	PDI-0485C-A-01-01-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-0485C-A-01-02-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-0485C-A-02-03-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-0485C-A-03-04-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-0485C-A-04-05-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-0485C-A-05-06-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-0485C-A-06-07-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-0485C-A-07-08-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-0485C-A-08-09-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-0485C-A-09-10-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-0485C-A-10-11-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Received By	Retrieved By	Repackaged By	Received By
Print Name: DELANEY PETERSON	Print Name: ERIK JOVAN	Print Name: ERIK JOVAN	Print Name: ERIK JOVAN
Company: ANCHOR QEA	Company: APEX LABS	Company: APEX LABS	Company: APEX LABS
Date/Time: 5/12/20 08:30	Date/Time: 5/7/20 10:07	Date/Time: 5/7/20 10:07	Date/Time: 5/7/20 10:07

Date Printed: 5/6/2020 * Lab OC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact



AMENDED REPORT

Anchor QEA, LLC Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
 6720 SW Macadam Ave. Suite 125 Project Number: [none] **Report ID:**
 Portland, OR 97219 Project Manager: **Ryan Barth** **A010556 - 11 11 20 0423**

A9J07110
A010556

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

COC ID: APEX1-20191016-143858
 Sample Custodian: CO, SN, BI, DL
 Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab OC Containers	Test Request	Method	TAT**	Preservative
031	PDI-0695C-A-02-05-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
032	PDI-0695C-A-03-04-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
033	PDI-0695C-A-04-05-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
034	PDI-0695C-A-05-06-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
035	PDI-0695C-A-06-07-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
036	PDI-0695C-A-07-08-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
037	PDI-0695C-A-08-09-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
038	PDI-0695C-A-09-10-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
039	PDI-0695C-A-10-11-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
040	PDI-0695C-A-11-12-191016	N	SE	10/16/2019	10:35	1	Archive (APEX)	ARCHIVE	-1	-10°C
041	PDI-0695C-B-00-02-191016	N	SE	10/16/2019	10:38	1	Archive (APEX)	ARCHIVE	-1	-10°C

Requested By: [Signature] Signature: [Signature] Date/Time: 10/17/19 1410

Print Name: M. Kachura Company: Apex Labs

Requested By: [Signature] Signature: [Signature] Date/Time: 10/17/19 1410

Print Name: M. Kachura Company: Apex Labs

Date Printed: 10/16/2019

Page 4 of 5

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AMENDED REPORT

Anchor QEA, LLC Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
 6720 SW Macadam Ave. Suite 125 Project Number: [none] **Report ID:**
 Portland, OR 97219 Project Manager: **Ryan Barth** **A010556 - 11 11 20 0423**

A010556

A9J0558

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



COC ID: APEX1-20191013-143451
 Sample Custodian: SN Apex - Archive
 Lab: Apex - Archive
 POC: Delaney Peterson (360-715-2707) Project: Gasco PDI
 1605 Cornwall Avenue, Bellingham, WA 98225 Client: NW Natural

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab #	Containers	Test Request	Method	TAT**	Preservative
001	PD-0735C-A-00-01-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PD-0735C-A-01-02-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PD-0735C-A-02-03-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PD-0735C-A-03-04-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PD-0735C-A-04-05-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PD-0735C-A-05-06-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PD-0735C-A-06-07-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PD-0735C-A-07-08-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PD-0735C-A-08-09-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PD-0735C-A-09-10-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PD-0735C-A-10-11-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

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

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

Darwin Thomas



AMENDED REPORT

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:
A010556 - 11 11 20 0423

A010556

A010153

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA
1201 SW Avenue, Suite 200, Seattle, WA 98101

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20200505-145415
Sample Custodian: CO
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab OC # Containers	Test Request	Method	TAT**	Preservative
011	PDI-0785C-A-04-05-200505	N	SE	05/05/2020	10:50	1	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-0785C-A-05-06-200505	N	SE	05/05/2020	10:50	1	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-0785C-A-06-07-200505	N	SE	05/05/2020	10:50	1	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-0785C-A-07-08-200505	N	SE	05/05/2020	10:50	1	Archive (APEX)	ARCHIVE	-1	-10°C

Requested By	Requested By Signature	Requested By Print Name	Requested By Company	Requested By Date/Time	Relinquished By	Relinquished By Signature	Relinquished By Print Name	Relinquished By Company	Relinquished By Date/Time
Lucas Henrich	[Signature]	LUCAS HENRICH	ANCHOR QEA	5/6/2020 1804	Lucas Henrich	[Signature]	LUCAS HENRICH	ANCHOR QEA	5/6/2020 1018

Date Printed: 5/6/2020

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

Darwin Thomas



AMENDED REPORT

Anchor QEA, LLC Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
 6720 SW Macadam Ave. Suite 125 Project Number: [none] **Report ID:**
 Portland, OR 97219 Project Manager: **Ryan Barth** **A010556 - 11 11 20 0423**

AUTOSSP

A010556

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



POC: Delaney Peterson (360-716-2707) Project: Gasco PDI Client: NW Natural
 1605 Cornwall Avenue, Bellingham, WA 98225
 COC ID: APEX-20191014-145320
 Sample Custodian: CO, SN, DL, BJ
 Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab #	OC	Test Request	Method	TAT**	Preservative
021	PD-0795C-B-08-10-191014	N	SE	10/14/2019	13:15	3		<input type="checkbox"/>	TOC Arsenic PAH Total solids (APEX) VOCs (QAPP 3/4b)	SM5310B SM6020A SM6270D SM2540G SM6260C	30	4°C
022	PD-0795C-B-08-10-191014	N	SE	10/14/2019	13:15	3		<input type="checkbox"/>	TOC Arsenic PAH Total solids (APEX) VOCs (QAPP 3/4b)	SM5310B SM6020A SM6270D SM2540G SM6260C	30	4°C
023	PD-0795C-B-12-13-191014	N	SE	10/14/2019	13:15	3		<input type="checkbox"/>	TOC Arsenic PAH Total solids (APEX) VOCs (QAPP 3/4b)	SM5310B SM6020A SM6270D SM2540G SM6260C	30	4°C
024	PD-0795C-B-12-13-191014	N	SE	10/14/2019	13:15	3		<input type="checkbox"/>	TOC Arsenic PAH Total solids (APEX) VOCs (QAPP 3/4b)	SM5310B SM6020A SM6270D SM2540G SM6260C	30	4°C

Requested By: [Signature] Date/Time: 10/15/19 09:55
 Signature: [Signature] Print Name: C. OBERG Company: AQ Date/Time: 10/15/19 10:10
 Requested By: [Signature] Date/Time: 10/15/19 10:10
 Signature: [Signature] Print Name: B. J. Jones Company: APEX LABS Date/Time: 10/15/19 10:10
 Requested By: [Signature] Date/Time: 10/15/19 10:10
 Signature: [Signature] Print Name: [Blank] Company: [Blank] Date/Time: [Blank]

Date Printed: 10/14/2019
 * Lab. OC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Darwin Thomas



AMENDED REPORT

Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores
6720 SW Macadam Ave. Suite 125 Project Number: [none] Report ID:
Portland, OR 97219 Project Manager: Ryan Barth A010556 - 11 11 20 0423

A010556

A010861

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



POC: Delaney Peterson (360-715-2707) Project: Gasco PDI Client: NW Natural
1605 Cornwall Avenue, Bellingham, WA 98225
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 CC*	Test Request	Method	TAT**	Preservative
021	PDI-0635C-A-05-06-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
022	PDI-0635C-A-06-07-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-0635C-A-07-08-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-0635C-A-08-09-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-0635C-A-09-10-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-0635C-A-10-11-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-0635C-A-11-12-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-0635C-A-12-13-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-0635C-A-13-14-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-0635C-A-14-15-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
031	PDI-0635C-E-09-02-191022	N	SE	10/22/2019	14:05	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Received By:	Received By:	Received By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: COFFELG	Print Name: ELL SAND	Print Name: APEX LABS	Print Name: [Blank]
Company: AQ	Company: APEX LABS	Company: [Blank]	Company: [Blank]
Date/Time: 10/23/19 09:50	Date/Time: 10/23/19 15:58	Date/Time: [Blank]	Date/Time: [Blank]

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

Apex Laboratories

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[Signature]

AMENDED REPORT

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:
A010556 - 11 11 20 0423

A010556

A0E0670

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



POC: **Delaney Peterson (360-716-2707)**
1605 Cornwall Avenue, Bellingham, WA 98225

Project: **Gasco PDI**
Client: **NW Natural**

COC ID: **APEX1-20200521-162125**
Sample Custodian: **CO**
Lab: **Apex - Archive**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab UC #	Test Request	Method	TAT**	Preservative
011	PDI-17ISC-B-04-200521	N	SE	05/21/2020	15:00	1		Archive (APEX)	ARCHIVE	30	-10°C
012	FU-17ISC-B-04-06-200521	N	SE	05/21/2020	15:00	1		Archive (APEX)	ARCHIVE	30	-10°C
013	PDI-17ISC-B-06-06-200521	N	SE	05/21/2020	15:00	1		Archive (APEX)	ARCHIVE	30	-10°C
014	PDI-17ISC-B-06-10-200521	N	SE	05/21/2020	15:00	1		Archive (APEX)	ARCHIVE	30	-10°C
015	PDI-17ISC-B-10-12-200521	N	SE	05/21/2020	15:00	1		Archive (APEX)	ARCHIVE	30	-10°C
016	PDI-17ISC-B-12-13-5-200521	N	SE	05/21/2020	15:00	1		Archive (APEX)	ARCHIVE	30	-10°C
017	PDI-17ISC-A-01-02-200521	N	SE	05/21/2020	11:45	1		Archive (APEX)	ARCHIVE	30	-10°C
018	PDI-17ISC-A-02-03-200521	N	SE	05/21/2020	11:45	1		Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-17ISC-A-03-04-200521	N	SE	05/21/2020	11:45	1		Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-17ISC-A-08-09-200521	N	SE	05/21/2020	11:45	1		Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-17ISC-A-08-10-200521	N	SE	05/21/2020	11:45	1		Archive (APEX)	ARCHIVE	-1	-10°C

Received By: *[Signature]* Signature: *[Signature]* Received By: *[Signature]* Signature: *[Signature]*

Print Name: **LIVAS FROM** Print Name: **DI** Print Name: **APEX LABS** Print Name: **APEX LABS**

Company: **AG** Company: **APEX LABS** Company: **APEX LABS** Company: **APEX LABS**

Date/Time: **5/21/2020 11:00** Date/Time: **5/21/20 17:20** Date/Time: **5/21/20 17:20** Date/Time: **5/21/20 17:20**

Date Printed: 6/21/2020 * Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

[Signature]



AMENDED REPORT

Anchor QEA, LLC Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
 6720 SW Macadam Ave. Suite 125 Project Number: [none] **Report ID:**
 Portland, OR 97219 Project Manager: **Ryan Barth** **A010556 - 11 11 20 0423**

A010556

A010556

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



POC: Delaney Peterson (360-715-2707) Project: Gasco PDI Client: NW Natural
 1605 Cornwell Avenue, Bellingham, WA 98225
 COC ID: APEX1-20200521-162.125
 Sample Custodian: CO
 Lab: Apex - Archive

COC Sample Number	Field Sample ID	Matrix Sample Type	Collected Date	Time	Containers	Lab OC*	Test Request	Method	TAT**	Preservative
021	PDI-17ASC-A-08-10-200521	N SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
022	PDI-17ASC-A-10-11-200521	N SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-17ASC-A-11-12-200521	N SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-17ASC-A-01-02-200521	N SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-17ASC-A-02-03-200521	N SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-17ASC-A-08-09-200521	N SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-17ASC-A-09-10-200521	N SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-17ASC-A-10-11-200521	N SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-17ASC-A-11-12-200521	N SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-17ASC-A-12-13-200521	N SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Requested By	Requested By	Requested By	Requested By
Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
LUCAS HEWY	ELI JAMES	ELI JAMES	ELI JAMES
AG	APEX LABS	APEX LABS	APEX LABS
5/22/20 1:00	5/22/20 1:20	5/22/20 1:20	5/22/20 1:20

Date Printed: 5/21/2020
 * Lab OC Requested for sample when box is checked ** TAT = Turn-Around Time in DAYS # POC = Project Point of Contact

[Signature]



AMENDED REPORT

Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores
6720 SW Macadam Ave. Suite 125 Project Number: [none] Report ID: A010556 - 11 11 20 0423
Portland, OR 97219 Project Manager: Ryan Barth

A010556

COC ID: APEX1-20190926-165106
Sample Custodian: dep
Lab: Apex - Archive

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY
Project: Gasco PDI
Client: NW Natural
1805 Cornwell Avenue, Bellingham, WA 98225



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

COC Sample Number	Field Sample ID	Sample Type	Math	Collected Date	Time	Lab Containers	Lab #	OC	Test Request	Method	TAI**	Preservative
011	PDI-01BSC-A-00-01-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-01BSC-A-01-02-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-01BSC-A-02-03-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-01BSC-A-03-04-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-01BSC-A-04-05-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-01BSC-A-05-06-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-01BSC-A-06-07-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-01BSC-A-07-08-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-01BSC-A-08-09-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-01BSC-A-09-10-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-01BSC-A-10-11-190926	N SE	SE	09/26/2019	8:54	1			Archive (APEX)	ARCHIVE	-1	-10°C

Requested By	Requested By Signature	Requested By Print Name	Requested By Company	Requested By Date/Time	Received By Signature	Received By Print Name	Received By Company	Received By Date/Time
Delaney Peterson		Delaney Peterson	Anchor QEA	9/26/2019 10:25				
Delaney Peterson		Delaney Peterson	Anchor QEA	9/26/2019 10:25				

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

Apex Laboratories

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



AMENDED REPORT

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: A010556 - 11 11 20 0423
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A010556

Composite (Y/N)	Composite ID	Individual Archive IDs	Element Work order
Y	PDI-048SC-A-08-11-200506 -04	PDI-048SC-A-08-09-200506	AOE0199-09 -01
		PDI-048SC-A-09-10-200506	-10 -02
		PDI-048SC-A-10-11-200506	-11 -03
Y	PDI-069SC-B-08-10-191016 -07	PDI-069SC-A-08-09-191016	A9J0716-37 -05
		PDI-069SC-A-09-10-191016	-38 -06
N	PDI-069SC-A-10-11-191016	PDI-069SC-A-10-11-191016	-39 -08
N	PDI-073SC-A-08-09-191013	PDI-073SC-A-08-09-191013	A9J0558-09 -09
N	PDI-073SC-A-09-10-191013	PDI-073SC-A-09-10-191013	-10 -10
N	PDI-073SC-A-10-11-191013	PDI-073SC-A-10-11-191013	-11 -11
Y	PDI-075SC-B-08-10-191013 -14	PDI-075SC-A-08-09-191013	-24 -12
		PDI-075SC-A-09-10-191013	-25 -13
Y	PDI-075SC-B-10-12-191013 -17	PDI-075SC-A-10-11-191013	-26 -15
		PDI-075SC-A-11-12-191013	-27 -16
Y	PDI-075SC-B-12-14-191013 -20	PDI-075SC-A-12-13-191013	-28 -18
		PDI-075SC-A-13-14-191013	-29 -19
N	PDI-078SC-A-07-08-200505	PDI-078SC-A-07-08-200505	AOE0153-14 -21
N	PDI-079SC-B-06-08-191014	PDI-079SC-B-06-08-191014	A9J0530-21 -22
N	PDI-083SC-A-08-09-191022	PDI-083SC-A-08-09-191022	A9J0861-24 -23
N	PDI-083SC-A-09-10-191022	PDI-083SC-A-09-10-191022	-25 -24
		PDI-083SC-A-10-11-191022	-26 -25
Y	PDI-083SC-B-10-12-191022 -27	PDI-083SC-A-11-12-191022	-27 -26
		PDI-083SC-A-12-13-191022	* -28
Y	PDI-083SC-B-12-14-191022	PDI-083SC-A-13-14-191022	* -29 > missing
		PDI-083SC-A-14-15-191022	-30 -28
N	PDI-171SC-A-01-02-200521	PDI-171SC-A-01-02-200521	AOE0670-01 -29
N	PDI-171SC-A-02-03-200521	PDI-171SC-A-02-03-200521	-2 -30
N	PDI-171SC-A-03-04-200521	PDI-171SC-A-03-04-200521	-3 -31
N	PDI-171SC-A-04-05-200521	PDI-171SC-A-04-05-200521	-4 -32
N	PDI-171SC-A-05-06-200521	PDI-171SC-A-05-06-200521	-5 -33
N	PDI-171SC-A-06-07-200521	PDI-171SC-A-06-07-200521	-6 -34
N	PDI-173SC-A-01-02-200521	PDI-173SC-A-01-02-200521	-17 -35
N	PDI-173SC-A-02-03-200521	PDI-173SC-A-02-03-200521	-18 -36
N	PDI-173SC-A-03-04-200521	PDI-173SC-A-03-04-200521	-19 -37
N	PDI-174SC-A-01-02-200521	PDI-174SC-A-01-02-200521	-24 -38
N	PDI-174SC-A-02-03-200521	PDI-174SC-A-02-03-200521	-25 -39
N	PDI-018SC-A-00-01-190926	PDI-018SC-A-00-01-190926	A9I0890-11 -40
N	PDI-018SC-A-01-02-190926	PDI-018SC-A-01-02-190926	-12 -41
N	PDI-018SC-A-02-03-190926	PDI-018SC-A-02-03-190926	-13 -42
N	PDI-018SC-A-03-04-190926	PDI-018SC-A-03-04-190926	-14 -43
N	PDI-018SC-A-04-05-190926	PDI-018SC-A-04-05-190926	-15 -44
N	PDI-018SC-A-05-06-190926	PDI-018SC-A-05-06-190926	-16 -45

Apex Laboratories

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

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

A0I0556

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

Date Due:	11/10/20 17:00 (130 day TAT)	Date Received:	05/07/20 10:07
Received By:	Charles F. Hoffman	Date Logged In:	09/23/20 15:18
Logged In By:	Susan L. Treat		

Cooler #1 received at -20.0°C									
Custody Seals	No	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A0I0556-01 PDI-048SC-A-08-09-200506 [Sediment] Sampled 05/06/20				Copy/relog of A0E0199-09
11:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Project Mgmt				
Data Package	11/02/20 17:00	20	08/13/20 11:29	
Sample Control				
Sample Compositing	05/08/20 17:00	1	08/13/20 11:29	Compositing 01, 02 & 03 into 04
A0I0556-02 PDI-048SC-A-09-10-200506 [Sediment] Sampled 05/06/20				Copy/relog of A0E0199-10
11:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	08/13/20 11:29	Compositing 01, 02 & 03 into 04
A0I0556-03 PDI-048SC-A-10-11-200506 [Sediment] Sampled 05/06/20				Copy/relog of A0E0199-11
11:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	08/13/20 11:29	Compositing 01, 02 & 03 into 04
A0I0556-04 PDI-048SC-A-08-11-200506 [Sediment] Sampled 05/06/20				Composite of 01, 02 & 03
11:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	11/02/20 11:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	05/20/20 11:15	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	11/02/20 11:15	Use Results for Dry Weight (Not for Waters)

A0I0556

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
A0I0556-05 PDI-069SC-A-08-09-191016 [Sediment] Sampled 10/16/19				
10:35 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/23/20 10:35	Compositing 05 & 06 into 07 (A0I0499-03)
Sample Compositing2	05/08/20 17:00	1	01/23/20 10:35	Compositing additional volume of 05 & 06 into 07
A0I0556-06 PDI-069SC-A-09-10-191016 [Sediment] Sampled 10/16/19				
10:35 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/23/20 10:35	Compositing 05 & 06 into 07 (A0I0499-03)
Sample Compositing2	05/08/20 17:00	1	01/23/20 10:35	Compositing additional volume of 05 & 06 into 07
A0I0556-07 PDI-069SC-B-08-10-191016 [Sediment] Sampled 10/16/19				
10:38 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/13/20 10:38	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/30/19 10:38	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	10/06/20 17:00	10	10/15/20 10:38	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/13/20 10:38	Use Results for Dry Weight (Not for Waters)
A0I0556-08 PDI-069SC-A-10-11-191016 [Sediment] Sampled 10/16/19				
10:35 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/13/20 10:35	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/30/19 10:35	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	10/06/20 17:00	10	10/15/20 10:35	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/13/20 10:35	Use Results for Dry Weight (Not for Waters)
A0I0556-09 PDI-073SC-A-08-09-191013 [Sediment] Sampled 10/13/19				
10:41 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/10/20 10:41	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/27/19 10:41	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/10/20 10:41	Use Results for Dry Weight (Not for Waters)

A0I0556

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
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Analysis	Due	TAT	Expires	Comments
A0I0556-10 PDI-073SC-A-09-10-191013 [Sediment] Sampled 10/13/19				
10:41 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/10/20 10:41	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/27/19 10:41	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/10/20 10:41	Use Results for Dry Weight (Not for Waters)

A0I0556-11 PDI-073SC-A-10-11-191013 [Sediment] Sampled 10/13/19				
10:41 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/10/20 10:41	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/27/19 10:41	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/10/20 10:41	Use Results for Dry Weight (Not for Waters)

A0I0556-12 PDI-075SC-A-08-09-191013 [Sediment] Sampled 10/13/19				
07:32 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/20/20 07:32	Compositing 12 & 13 into 14 (A0I0499-10)

A0I0556-13 PDI-075SC-A-09-10-191013 [Sediment] Sampled 10/13/19				
07:32 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/20/20 07:32	Compositing 12 & 13 into 14 (A0I0499-10)

A0I0556-14 PDI-075SC-B-08-10-191013 [Sediment] Sampled 10/13/19				
07:35 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/10/20 07:35	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/27/19 07:35	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/10/20 07:35	Use Results for Dry Weight (Not for Waters)

A0I0556-15 PDI-075SC-A-10-11-191013 [Sediment] Sampled 10/13/19				
07:32 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/20/20 07:32	Compositing 15 & 16 into 17 (A0I0499-13)

A0I0556

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
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A0I0556-16 PDI-075SC-A-11-12-191013 [Sediment] Sampled 10/13/19				
07:32 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/20/20 07:32	Compositing 15 & 16 into 17 (A0I0499-13)

A0I0556-17 PDI-075SC-B-10-12-191013 [Sediment] Sampled 10/13/19				
07:35 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/10/20 07:35	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/27/19 07:35	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/10/20 07:35	Use Results for Dry Weight (Not for Waters)

A0I0556-18 PDI-075SC-A-12-13-191013 [Sediment] Sampled 10/13/19				
07:32 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/20/20 07:32	Compositing 18 & 19 into 20 (A0I0499-16)

A0I0556-19 PDI-075SC-A-13-14-191013 [Sediment] Sampled 10/13/19				
07:32 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/20/20 07:32	Compositing 18 & 19 into 20 (A0I0499-16)

A0I0556-20 PDI-075SC-B-12-14-191013 [Sediment] Sampled 10/13/19				
07:35 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/10/20 07:35	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/27/19 07:35	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/10/20 07:35	Use Results for Dry Weight (Not for Waters)

A0I0556-21 PDI-078SC-A-07-08-200505 [Sediment] Sampled 05/05/20				
10:50 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	11/01/20 10:50	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	05/19/20 10:50	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	10/06/20 17:00	10	05/05/21 10:50	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	11/01/20 10:50	Use Results for Dry Weight (Not for Waters)

A0I0556

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
A0I0556-22 PDI-079SC-B-06-08-191014 [Sediment] Sampled 10/14/19				
13:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/11/20 13:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	10/28/19 13:15	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/11/20 13:15	Use Results for Dry Weight (Not for Waters)
A0I0556-23 PDI-083SC-A-08-09-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/19/20 14:07	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	11/05/19 14:07	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/19/20 14:07	Use Results for Dry Weight (Not for Waters)
A0I0556-24 PDI-083SC-A-09-10-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/19/20 14:07	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	11/05/19 14:07	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/19/20 14:07	Use Results for Dry Weight (Not for Waters)
A0I0556-25 PDI-083SC-A-10-11-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/29/20 14:07	Compositing 25 & 26 into 27 (A0I0499-21)
A0I0556-26 PDI-083SC-A-11-12-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/29/20 14:07	Compositing 25 & 26 into 27 (A0I0499-21)

A0I0556

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
A0I0556-27 PDI-083SC-B-10-12-191022 [Sediment] Sampled 10/22/19				
14:05 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/19/20 14:05	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	11/05/19 14:05	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/19/20 14:05	Use Results for Dry Weight (Not for Waters)
A0I0556-28 PDI-083SC-A-14-15-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	10/06/20 17:00	10	04/19/20 14:07	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/06/20 17:00	10	11/05/19 14:07	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/06/20 17:00	10	04/19/20 14:07	Use Results for Dry Weight (Not for Waters)
A0I0556-29 PDI-171SC-A-01-02-200521 [Sediment] Sampled 05/21/20				
15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	11/17/20 15:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 15:15	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 15:15	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	10	06/04/20 15:15	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 15:15	Use Results for Dry Weight (Not for Waters)

A0I0556

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
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Analysis	Due	TAT	Expires	Comments
A0I0556-30 PDI-171SC-A-02-03-200521 [Sediment] Sampled 05/21/20				
15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	11/17/20 15:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 15:15	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 15:15	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 15:15	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 15:15	Use Results for Dry Weight (Not for Waters)

Analysis	Due	TAT	Expires	Comments
A0I0556-31 PDI-171SC-A-03-04-200521 [Sediment] Sampled 05/21/20				
15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	11/17/20 15:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 15:15	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 15:15	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 15:15	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 15:15	Use Results for Dry Weight (Not for Waters)

Analysis	Due	TAT	Expires	Comments
A0I0556-32 PDI-171SC-A-04-05-200521 [Sediment] Sampled 05/21/20				
15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	11/17/20 15:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 15:15	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 15:15	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 15:15	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 15:15	Use Results for Dry Weight (Not for Waters)

A0I0556

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
A0I0556-33 PDI-171SC-A-05-06-200521 [Sediment] Sampled 05/21/20				
15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	11/17/20 15:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 15:15	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 15:15	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 15:15	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 15:15	Use Results for Dry Weight (Not for Waters)
A0I0556-34 PDI-171SC-A-06-07-200521 [Sediment] Sampled 05/21/20				
15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	11/17/20 15:15	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 15:15	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 15:15	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 15:15	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 15:15	Use Results for Dry Weight (Not for Waters)
A0I0556-35 PDI-173SC-A-01-02-200521 [Sediment] Sampled 05/21/20				
11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/12/20 17:00	3	11/17/20 11:45	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 11:45	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 11:45	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 11:45	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 11:45	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Sediment (PSEP/BC)	11/11/20 17:00	3	06/04/20 11:45	added 11/5, w/ data package

A0I0556

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
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Analysis	Due	TAT	Expires	Comments
A0I0556-36 PDI-173SC-A-02-03-200521 [Sediment] Sampled 05/21/20				
11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/12/20 17:00	3	11/17/20 11:45	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 11:45	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 11:45	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 11:45	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 11:45	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Sediment (PSEP/BC)	11/11/20 17:00	3	06/04/20 11:45	added 11/5, w/ data package

Analysis	Due	TAT	Expires	Comments
A0I0556-37 PDI-173SC-A-03-04-200521 [Sediment] Sampled 05/21/20				
11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/12/20 17:00	3	11/17/20 11:45	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 11:45	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 11:45	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 11:45	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 11:45	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Sediment (PSEP/BC)	11/11/20 17:00	3	06/04/20 11:45	added 11/5, w/ data package

Analysis	Due	TAT	Expires	Comments
A0I0556-38 PDI-174SC-A-01-02-200521 [Sediment] Sampled 05/21/20				
12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/12/20 17:00	3	11/17/20 12:10	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 12:10	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 12:10	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 12:10	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 12:10	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Sediment (PSEP/BC)	11/11/20 17:00	3	06/04/20 12:10	added 11/5, w/ data package

A0I0556

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
A0I0556-39 PDI-174SC-A-02-03-200521 [Sediment] Sampled 05/21/20				
12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/12/20 17:00	3	11/17/20 12:10	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	06/04/20 12:10	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	05/21/21 12:10	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	06/04/20 12:10	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	11/17/20 12:10	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Sediment (PSEP/BC)	11/11/20 17:00	3	06/04/20 12:10	added 11/5, w/ data package
A0I0556-40 PDI-018SC-A-00-01-190926 [Sediment] Sampled 09/26/19				
08:54 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	03/24/20 08:54	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	10/10/19 08:54	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	09/25/20 08:54	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	10/10/19 08:54	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	03/24/20 08:54	Use Results for Dry Weight (Not for Waters)
A0I0556-41 PDI-018SC-A-01-02-190926 [Sediment] Sampled 09/26/19				
08:54 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	03/24/20 08:54	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	10/10/19 08:54	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	09/25/20 08:54	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	10/10/19 08:54	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	03/24/20 08:54	Use Results for Dry Weight (Not for Waters)

A010556

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
A010556-42 PDI-018SC-A-02-03-190926 [Sediment] Sampled 09/26/19				
08:54 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	03/24/20 08:54	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	10/10/19 08:54	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	09/25/20 08:54	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	10/10/19 08:54	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	03/24/20 08:54	Use Results for Dry Weight (Not for Waters)
A010556-43 PDI-018SC-A-03-04-190926 [Sediment] Sampled 09/26/19				
08:54 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	03/24/20 08:54	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	10/10/19 08:54	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	09/25/20 08:54	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	10/10/19 08:54	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	03/24/20 08:54	Use Results for Dry Weight (Not for Waters)
A010556-44 PDI-018SC-A-04-05-190926 [Sediment] Sampled 09/26/19				
08:54 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	03/24/20 08:54	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	10/10/19 08:54	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	09/25/20 08:54	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	10/10/19 08:54	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	03/24/20 08:54	Use Results for Dry Weight (Not for Waters)

A0I0556

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
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Analysis	Due	TAT	Expires	Comments
A0I0556-45 PDI-018SC-A-05-06-190926 [Sediment] Sampled 09/26/19				
08:54 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	09/30/20 17:00	5	03/24/20 08:54	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	09/30/20 17:00	5	10/10/19 08:54	MDL. Use Custom Spike.
8082 PCBs - Low Level (15g/1mL)	09/30/20 17:00	5	09/25/20 08:54	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	09/30/20 17:00	5	10/10/19 08:54	
Wet Chem				
Solids, Total (SM 2540 G,B)	09/30/20 17:00	5	03/24/20 08:54	Use Results for Dry Weight (Not for Waters)

A0I0556-46 PDI-083SC-A-12-13-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/29/20 14:07	Compositing 46 & 47 into 48 (A0I0499-29)

A0I0556-47 PDI-083SC-A-13-14-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Sample Compositing	05/08/20 17:00	1	01/29/20 14:07	Compositing 46 & 47 into 48 (A0I0499-30)

A0I0556-48 PDI-083SC-B-12-14-191022 [Sediment] Sampled 10/22/19				
14:05 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/02/20 17:00	5	04/19/20 14:05	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/02/20 17:00	5	11/05/19 14:05	MDL. Use Custom Spike.
Wet Chem				
Solids, Total (SM 2540 G,B)	10/02/20 17:00	5	04/19/20 14:05	Use Results for Dry Weight (Not for Waters)

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AAJ0861

AAJ0556

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 X	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-083SC-A-13-14-191022 X	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	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: COREILU	Print Name: Eli Jand	Print Name:	Print Name:	Print Name:	Print Name:
Company: AR	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:

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ADE0670

40LUSS6

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20200521-162125
Sample Custodian: CO
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-171SC-A-01-02-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-171SC-A-02-03-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-171SC-A-03-04-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-171SC-A-04-05-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-171SC-A-05-06-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-171SC-A-06-07-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-171SC-A-07-08-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-171SC-A-08-09-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-171SC-A-09-10-200521	N	SE	05/21/2020	15:15	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-171SC-B-00-02-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-171SC-B-02-04-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature <i>James Moran</i>	Signature <i>Edi Doyle</i>	Signature	Signature	Signature	Signature
Print Name James Moran	Print Name Edi Doyle	Print Name	Print Name	Print Name	Print Name
Company Anchor OEA	Company APEX LABS	Company	Company	Company	Company
Date/Time 5/22/2020 1100	Date/Time 5/22/20 1220	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 5/21/2020

* 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

AOE0670
AO10556

POC: Delaney Peterson (360-715-2707)

Project: Gasco PDI

COC ID: APEX1-20200521-162125

1605 Cornwall Avenue, Bellingham, WA 98225

Client: NW Natural

Sample Custodian: CO

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-171SC-B-02-04-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C
012	PDI-171SC-B-04-06-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C
013	PDI-171SC-B-06-08-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C
014	PDI-171SC-B-08-10-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C
015	PDI-171SC-B-10-12-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C
016	PDI-171SC-B-12-13.5-200521	N	SE	05/21/2020	15:00	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C
017	PDI-173SC-A-01-02-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	30	-10°C
018	PDI-173SC-A-02-03-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-173SC-A-03-04-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-173SC-A-08-09-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-173SC-A-09-10-200521	N	SE	05/21/2020	11:45	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: Lucas Henn	Print Name: Eli J. [unclear]	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 5/22/2020/1100	Date/Time: 5/22/20 1720	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 5/21/2020

* 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

A0E0670

A010550

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20200521-162125
Sample Custodian: CO
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
021	PDI-173SC-A-09-10-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
022	PDI-173SC-A-10-11-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-173SC-A-11-12.3-200521	N	SE	05/21/2020	11:45	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-174SC-A-01-02-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-174SC-A-02-03-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-174SC-A-08-09-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-174SC-A-09-10-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-174SC-A-10-11-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-174SC-A-11-12-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-174SC-A-12-12.8-200521	N	SE	05/21/2020	12:10	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:					
Relinquished By:		Received By:		Relinquished By:	
Signature	<i>[Signature]</i>	Signature	<i>[Signature]</i>	Signature	
Print Name	Lucas Henry	Print Name	Eli Payne	Print Name	
Company	AQ	Company	APEX LABS	Company	
Date/Time	5/22/2020/1100	Date/Time	5/22/20 1220	Date/Time	

Date Printed: 5/21/2020

* 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

AO10556

A910890

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20190926-165106
Sample Custodian: dep
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-018SC-A-00-01-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-018SC-A-01-02-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-018SC-A-02-03-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-018SC-A-03-04-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-018SC-A-04-05-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-018SC-A-05-06-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-018SC-A-06-07-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-018SC-A-07-08-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-018SC-A-08-09-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-018SC-A-09-10-190926	N	SE	09/26/2019	8:54	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-018SC-A-10-11-190926	N	SE	09/26/2019	8:54	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: D. Peterson	Print Name: E. J. Somel	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQP	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 9-27-19 1025	Date/Time: 9-27-19 1025	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 9/26/2019

* 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

AOE0199 AOI0550

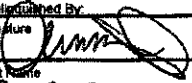
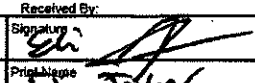
POC: * Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20200508-154117
Sample Custodian: SN
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-048SC-A-00-01-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-048SC-A-01-02-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-048SC-A-02-03-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-048SC-A-03-04-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-048SC-A-04-05-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-048SC-A-05-06-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-048SC-A-06-07-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-048SC-A-07-08-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-048SC-A-08-09-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-048SC-A-09-10-200506	N	SE	05/06/2020	11:29	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-048SC-A-10-11-200506	N	SE	05/06/2020	11:29	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. O'NEIL	Print Name: E. Joyner	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 5/7/20 0830	Date/Time: 5/7/20 1007	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 5/6/2020

* 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

A9J0716 A010556

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191016-143858
Sample Custodian: CO, SN, BJ, DL
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-069SC-A-02-03-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
032	PDI-069SC-A-03-04-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
033	PDI-069SC-A-04-05-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
034	PDI-069SC-A-05-06-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
035	PDI-069SC-A-06-07-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
036	PDI-069SC-A-07-08-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
037	PDI-069SC-A-08-09-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
038	PDI-069SC-A-09-10-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
039	PDI-069SC-A-10-11-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
040	PDI-069SC-A-11-12-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
041	PDI-069SC-B-00-02-191016	N	SE	10/16/2019	10:38	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: COKEIKO	Print Name: M. Kashnik	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: Apex Labs	Company:	Company:	Company:	Company:
Date/Time: 10/17/19 1410	Date/Time: 10-17-19 1410	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 10/16/2019

* 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

A9J0558 A0I0556

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191013-143451
Sample Custodian: SN
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
001	PDI-073SC-A-00-01-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-073SC-A-01-02-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-073SC-A-02-03-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-073SC-A-03-04-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-073SC-A-04-05-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-073SC-A-05-06-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-073SC-A-06-07-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-073SC-A-07-08-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-073SC-A-08-09-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-073SC-A-09-10-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-073SC-A-10-11-191013	N	SE	10/13/2019	10:41	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: C. ORTEGA	Print Name: Charles Hoffman	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX	Company:	Company:	Company:	Company:
Date/Time: 10/14/19 21:045	Date/Time: 10/14/19 10:45	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 10/13/2019

* 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

A010556

A0J0558

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191013-143451
Sample Custodian: SN
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
021	PDI-075SC-A-05-06-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>				
022	PDI-075SC-A-06-07-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-075SC-A-07-08-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-075SC-A-08-09-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-075SC-A-09-10-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-075SC-A-10-11-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-075SC-A-11-12-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-075SC-A-12-13-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-075SC-A-13-14-191013	N	SE	10/13/2019	7:32	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-075SC-B-00-02-191013	N	SE	10/13/2019	7:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
031	PDI-075SC-B-02-04-191013	N	SE	10/13/2019	7:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: CORENCO	Print Name: Charles Hoffman	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: Apex Lab	Company:	Company:	Company:	Company:
Date/Time: 10/14/19 01:05	Date/Time: 10/14/19 10:45	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 10/13/2019

* 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

A0E0153

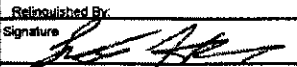
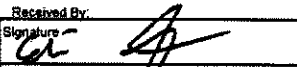
A0105504

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20200505-145415
Sample Custodian: CO
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
011	PDI-078SC-A-04-05-200505	N	SE	05/05/2020	10:50	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-078SC-A-05-06-200505	N	SE	05/05/2020	10:50	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-078SC-A-06-07-200505	N	SE	05/05/2020	10:50	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-078SC-A-07-08-200505	N	SE	05/05/2020	10:50	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:							
Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature		Signature		Signature		Signature	
Print Name	Lucas Henn	Print Name	Eli Joyner	Print Name		Print Name	
Company	ACR	Company	APEX LABS	Company		Company	
Date/Time	5/6/2020/804	Date/Time	5/6/20 1018	Date/Time		Date/Time	

Date Printed: 5/5/2020

* 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

AGJ0530
 A01055P

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX-20191014-145320
Sample Custodian: CO, SN, DL, BJ
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab QC*	Test Request	Method	TAT**	Preservative
021	PDI-079SC-B-08-08-191014	N	SE	10/14/2019	13:15	3	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								Arsenic	SW6020A	30	4°C
								PAH	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP 3/4b)	SW8260C	30	MeOH
022	PDI-079SC-B-08-10-191014	N	SE	10/14/2019	13:15	3	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								Arsenic	SW6020A	30	4°C
								PAH	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP 3/4b)	SW8260C	30	MeOH
023	PDI-079SC-B-10-12-191014	N	SE	10/14/2019	13:15	3	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								Arsenic	SW6020A	30	4°C
								PAH	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP 3/4b)	SW8260C	30	MeOH
024	PDI-079SC-B-12-13.3-191014	N	SE	10/14/2019	13:15	3	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								Arsenic	SW6020A	30	4°C
								PAH	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP 3/4b)	SW8260C	30	MeOH

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: C. DELANEY	Print Name: Eli Joyner	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 10/15/19 09:55	Date/Time: 10/15/19 10:10	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 10/14/2019

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

AO10556

Apex

Element Work order

Composite (Y/N)	Composite ID	Individual Archive IDs	Element Work order
Y	PDI-048SC-A-08-11-200506 -04	PDI-048SC-A-08-09-200506	AOE0199-09 -01
		PDI-048SC-A-09-10-200506	-10 -02
		PDI-048SC-A-10-11-200506	-11 -03
Y	PDI-069SC-B-08-10-191016 -07	PDI-069SC-A-08-09-191016	A9J0716-37 -05
		PDI-069SC-A-09-10-191016	-38 -06
N	PDI-069SC-A-10-11-191016	PDI-069SC-A-10-11-191016	-39 -08
N	PDI-073SC-A-08-09-191013	PDI-073SC-A-08-09-191013	A9J0558-09 -09
N	PDI-073SC-A-09-10-191013	PDI-073SC-A-09-10-191013	-10 -10
N	PDI-073SC-A-10-11-191013	PDI-073SC-A-10-11-191013	-11 -11
Y	PDI-075SC-B-08-10-191013 -14	PDI-075SC-A-08-09-191013	-24 -12
		PDI-075SC-A-09-10-191013	-25 -13
Y	PDI-075SC-B-10-12-191013 -17	PDI-075SC-A-10-11-191013	-26 -15
		PDI-075SC-A-11-12-191013	-27 -16
Y	PDI-075SC-B-12-14-191013 -20	PDI-075SC-A-12-13-191013	-28 -18
		PDI-075SC-A-13-14-191013	-29 -19
N	PDI-078SC-A-07-08-200505	PDI-078SC-A-07-08-200505	AOE0153-14 -21
N	PDI-079SC-B-06-08-191014	PDI-079SC-B-06-08-191014	A9J0530-21 -22
N	PDI-083SC-A-08-09-191022	PDI-083SC-A-08-09-191022	A9J0861-24 -23
Y	PDI-083SC-B-10-12-191022 -27	PDI-083SC-A-09-10-191022	-25 -24
		PDI-083SC-A-10-11-191022	-26 -25
		PDI-083SC-A-11-12-191022	-27 -26
Y	PDI-083SC-B-12-14-191022	PDI-083SC-A-12-13-191022	*-28 > missing
		PDI-083SC-A-13-14-191022	*-29 > missing
N	PDI-083SC-A-14-15-191022	PDI-083SC-A-14-15-191022	-30 -28
N	PDI-171SC-A-01-02-200521	PDI-171SC-A-01-02-200521	AOE0670-01 -29
N	PDI-171SC-A-02-03-200521	PDI-171SC-A-02-03-200521	-2 -30
N	PDI-171SC-A-03-04-200521	PDI-171SC-A-03-04-200521	-3 -31
N	PDI-171SC-A-04-05-200521	PDI-171SC-A-04-05-200521	-4 -32
N	PDI-171SC-A-05-06-200521	PDI-171SC-A-05-06-200521	-5 -33
N	PDI-171SC-A-06-07-200521	PDI-171SC-A-06-07-200521	-6 -34
N	PDI-173SC-A-01-02-200521	PDI-173SC-A-01-02-200521	-17 -35
N	PDI-173SC-A-02-03-200521	PDI-173SC-A-02-03-200521	-18 -36
N	PDI-173SC-A-03-04-200521	PDI-173SC-A-03-04-200521	-19 -37
N	PDI-174SC-A-01-02-200521	PDI-174SC-A-01-02-200521	-24 -38
N	PDI-174SC-A-02-03-200521	PDI-174SC-A-02-03-200521	-25 -39
N	PDI-018SC-A-00-01-190926	PDI-018SC-A-00-01-190926	A9I0890-11 -40
N	PDI-018SC-A-01-02-190926	PDI-018SC-A-01-02-190926	-12 -41
N	PDI-018SC-A-02-03-190926	PDI-018SC-A-02-03-190926	-13 -42
N	PDI-018SC-A-03-04-190926	PDI-018SC-A-03-04-190926	-14 -43
N	PDI-018SC-A-04-05-190926	PDI-018SC-A-04-05-190926	-15 -44
N	PDI-018SC-A-05-06-190926	PDI-018SC-A-05-06-190926	-16 -45

CLP-Like Forms

Apex Laboratories

SDG: A0I0556

CLASS: GC

METHOD: EPA 8082A

ANALYSES DATA PACKAGE COVER PAGE

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-069SC-B-08-10-191016</u>	<u>A0I0556-07</u>	<u>SE</u>
<u>PDI-069SC-A-10-11-191016</u>	<u>A0I0556-08</u>	<u>SE</u>
<u>PDI-078SC-A-07-08-200505</u>	<u>A0I0556-21</u>	<u>SE</u>
<u>PDI-171SC-A-01-02-200521</u>	<u>A0I0556-29</u>	<u>SE</u>
<u>PDI-171SC-A-02-03-200521</u>	<u>A0I0556-30</u>	<u>SE</u>
<u>PDI-171SC-A-03-04-200521</u>	<u>A0I0556-31</u>	<u>SE</u>
<u>PDI-171SC-A-04-05-200521</u>	<u>A0I0556-32</u>	<u>SE</u>
<u>PDI-171SC-A-05-06-200521</u>	<u>A0I0556-33</u>	<u>SE</u>
<u>PDI-171SC-A-06-07-200521</u>	<u>A0I0556-34</u>	<u>SE</u>
<u>PDI-173SC-A-01-02-200521</u>	<u>A0I0556-35</u>	<u>SE</u>
<u>PDI-173SC-A-02-03-200521</u>	<u>A0I0556-36</u>	<u>SE</u>
<u>PDI-173SC-A-03-04-200521</u>	<u>A0I0556-37</u>	<u>SE</u>
<u>PDI-174SC-A-01-02-200521</u>	<u>A0I0556-38</u>	<u>SE</u>
<u>PDI-174SC-A-02-03-200521</u>	<u>A0I0556-39</u>	<u>SE</u>
<u>PDI-018SC-A-00-01-190926</u>	<u>A0I0556-40</u>	<u>SE</u>
<u>PDI-018SC-A-01-02-190926</u>	<u>A0I0556-41</u>	<u>SE</u>
<u>PDI-018SC-A-02-03-190926</u>	<u>A0I0556-42</u>	<u>SE</u>
<u>PDI-018SC-A-03-04-190926</u>	<u>A0I0556-43</u>	<u>SE</u>
<u>PDI-018SC-A-04-05-190926</u>	<u>A0I0556-44</u>	<u>SE</u>
<u>PDI-018SC-A-05-06-190926</u>	<u>A0I0556-45</u>	<u>SE</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/11/2020 9:52AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

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-069SC-B-08-10-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-07</u>	File ID: <u>ECD9_200928_12.D</u>
Sampled: <u>10/16/19 10:38</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 14:31</u>
Solids: <u>63.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.44 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28031</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.04	U
11104-28-2	Aroclor 1221	1	1.03	U
11141-16-5	Aroclor 1232	1	5.07	U
53469-21-9	Aroclor 1242	1	2.76	U
12672-29-6	Aroclor 1248	1	4.30	U
11097-69-1	Aroclor 1254	1	4.30	U
11096-82-5	Aroclor 1260	1	3.84	U
37324-23-5	Aroclor 1262	1	1.03	U
11100-14-4	Aroclor 1268	1	1.03	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	51.2	20.4	40	43 - 120	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-069SC-A-10-11-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-08</u>	File ID: <u>ECD9_200928_20.D</u>
Sampled: <u>10/16/19 10:35</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 15:42</u>
Solids: <u>55.44</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.11 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28031</u>	Calibration: <u>A0I1008</u>
		Instrument: <u>DUALECD9F</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	1.20	U
11141-16-5	Aroclor 1232	1	1.20	U
53469-21-9	Aroclor 1242	1	1.20	U
12672-29-6	Aroclor 1248	1	1.20	U
11097-69-1	Aroclor 1254	1	1.20	U
11096-82-5	Aroclor 1260	1	1.20	U
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)	59.7	31.7	53	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-078SC-A-07-08-200505

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-21</u>	File ID: <u>ECD9_200928_24.D</u>
Sampled: <u>05/05/20 10:50</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 16:18</u>
Solids: <u>60.71</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.27 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28031</u>	Calibration: <u>A0I1008</u>
		Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	4.04	U
11104-28-2	Aroclor 1221	1	10.0	U
11141-16-5	Aroclor 1232	1	10.5	U
53469-21-9	Aroclor 1242	1	5.99	U
12672-29-6	Aroclor 1248	1	21.0	U
11097-69-1	Aroclor 1254	1	21.2	U
11096-82-5	Aroclor 1260	1	19.0	
37324-23-5	Aroclor 1262	1	1.08	U
11100-14-4	Aroclor 1268	1	1.08	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	53.9	60.6	112	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-171SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-29</u>	File ID: <u>ECD9_200928_28.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 16:54</u>
Solids: <u>54.43</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.74 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28031</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.17	U
11104-28-2	Aroclor 1221	1	1.17	U
11141-16-5	Aroclor 1232	1	1.17	U
53469-21-9	Aroclor 1242	1	1.17	U
12672-29-6	Aroclor 1248	1	1.17	U
11097-69-1	Aroclor 1254	1	3.51	
11096-82-5	Aroclor 1260	1	2.24	J
37324-23-5	Aroclor 1262	1	1.17	U
11100-14-4	Aroclor 1268	1	1.17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	58.4	43.4	74	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-171SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-30</u>	File ID: <u>ECD9_200928_07.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 13:55</u>
Solids: <u>43.04</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.37 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.52	U
11104-28-2	Aroclor 1221	1	1.52	U
11141-16-5	Aroclor 1232	1	1.52	U
53469-21-9	Aroclor 1242	1	1.52	U
12672-29-6	Aroclor 1248	1	1.52	U
11097-69-1	Aroclor 1254	1	4.99	
11096-82-5	Aroclor 1260	1	2.47	J
37324-23-5	Aroclor 1262	1	1.52	U
11100-14-4	Aroclor 1268	1	1.52	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	75.6	45.2	60	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-171SC-A-03-04-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-31</u>	File ID: <u>ECD9_200928_11.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 14:31</u>
Solids: <u>56.27</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.39 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.16	U
11104-28-2	Aroclor 1221	1	1.16	U
11141-16-5	Aroclor 1232	1	1.16	U
53469-21-9	Aroclor 1242	1	1.16	U
12672-29-6	Aroclor 1248	1	1.16	U
11097-69-1	Aroclor 1254	1	4.15	
11096-82-5	Aroclor 1260	1	1.63	J
37324-23-5	Aroclor 1262	1	1.16	U
11100-14-4	Aroclor 1268	1	1.16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	57.7	35.0	61	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-171SC-A-04-05-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-32</u>	File ID: <u>ECD9_200928_15.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 15:07</u>
Solids: <u>57.73</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.73 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.20	U
11104-28-2	Aroclor 1221	1	1.11	U
11141-16-5	Aroclor 1232	1	2.48	U
53469-21-9	Aroclor 1242	1	2.20	U
12672-29-6	Aroclor 1248	1	4.62	U
11097-69-1	Aroclor 1254	1	7.10	U
11096-82-5	Aroclor 1260	1	2.26	
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)	55.1	34.4	63	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-171SC-A-05-06-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-33</u>	File ID: <u>ECD9_200928_19.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 15:42</u>
Solids: <u>68.56</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.68 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.935	U
11104-28-2	Aroclor 1221	1	0.935	U
11141-16-5	Aroclor 1232	1	0.935	U
53469-21-9	Aroclor 1242	1	1.10	J
12672-29-6	Aroclor 1248	1	0.935	U
11097-69-1	Aroclor 1254	1	3.25	
11096-82-5	Aroclor 1260	1	1.75	J
37324-23-5	Aroclor 1262	1	0.935	U
11100-14-4	Aroclor 1268	1	0.935	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	46.5	37.6	81	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-171SC-A-06-07-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-34</u>	File ID: <u>ECD9_200928_23.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 16:18</u>
Solids: <u>67.52</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.74 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.946	U
11104-28-2	Aroclor 1221	1	0.946	U
11141-16-5	Aroclor 1232	1	0.946	U
53469-21-9	Aroclor 1242	1	5.43	
12672-29-6	Aroclor 1248	1	0.946	U
11097-69-1	Aroclor 1254	1	13.6	
11096-82-5	Aroclor 1260	1	8.13	
37324-23-5	Aroclor 1262	1	0.946	U
11100-14-4	Aroclor 1268	1	0.946	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	47.0	34.8	74	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-173SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-35</u>	File ID: <u>ECD9_200928_27.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 16:54</u>
Solids: <u>77.41</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.76 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.824	U
11104-28-2	Aroclor 1221	1	0.824	U
11141-16-5	Aroclor 1232	1	0.824	U
53469-21-9	Aroclor 1242	1	0.824	U
12672-29-6	Aroclor 1248	1	0.824	U
11097-69-1	Aroclor 1254	1	6.96	
11096-82-5	Aroclor 1260	1	1.74	
37324-23-5	Aroclor 1262	1	0.824	U
11100-14-4	Aroclor 1268	1	0.824	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	41.0	37.7	92	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-173SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-36</u>	File ID: <u>ECD9_200928_35.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 18:05</u>
Solids: <u>74.97</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.37 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.872	U
11104-28-2	Aroclor 1221	1	0.872	U
11141-16-5	Aroclor 1232	1	0.872	U
53469-21-9	Aroclor 1242	1	0.872	U
12672-29-6	Aroclor 1248	1	0.872	U
11097-69-1	Aroclor 1254	1	0.872	U
11096-82-5	Aroclor 1260	1	0.872	U
37324-23-5	Aroclor 1262	1	0.872	U
11100-14-4	Aroclor 1268	1	0.872	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	43.4	42.5	98	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-173SC-A-03-04-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-37</u>	File ID: <u>ECD9_200928_39.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 18:41</u>
Solids: <u>.69.06</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.51 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.86	U
11104-28-2	Aroclor 1221	1	0.938	U
11141-16-5	Aroclor 1232	1	2.94	U
53469-21-9	Aroclor 1242	1	2.38	U
12672-29-6	Aroclor 1248	1	2.52	U
11097-69-1	Aroclor 1254	1	4.21	
11096-82-5	Aroclor 1260	1	2.28	
37324-23-5	Aroclor 1262	1	0.938	U
11100-14-4	Aroclor 1268	1	0.938	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	46.7	44.8	96	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-174SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-38</u>	File ID: <u>ECD9_200928_43.D</u>
Sampled: <u>05/21/20 12:10</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 19:17</u>
Solids: <u>76.82</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.56 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28032</u>	Calibration: <u>A0I1705</u> Instrument: <u>DUALECD9R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.841	U
11104-28-2	Aroclor 1221	1	0.841	U
11141-16-5	Aroclor 1232	1	0.841	U
53469-21-9	Aroclor 1242	1	0.841	U
12672-29-6	Aroclor 1248	1	0.841	U
11097-69-1	Aroclor 1254	1	1.55	J
11096-82-5	Aroclor 1260	1	0.895	J
37324-23-5	Aroclor 1262	1	0.841	U
11100-14-4	Aroclor 1268	1	0.841	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	41.8	39.5	95	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-174SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-39RE1</u>	File ID: <u>ECD9_200929_40.D</u>
Sampled: <u>05/21/20 12:10</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/29/20 22:31</u>
Solids: <u>76.31</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.66 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I29063</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.841	U
11104-28-2	Aroclor 1221	1	0.841	U
11141-16-5	Aroclor 1232	1	0.841	U
53469-21-9	Aroclor 1242	1	1.76	
12672-29-6	Aroclor 1248	1	0.841	U
11097-69-1	Aroclor 1254	1	4.12	
11096-82-5	Aroclor 1260	1	8.65	
37324-23-5	Aroclor 1262	1	0.841	U
11100-14-4	Aroclor 1268	1	6.10	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	41.8	48.0	115	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-018SC-A-00-01-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-40</u>	File ID: <u>ECD9_200929_08.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/28/20 12:17</u>	Analyzed: <u>09/29/20 08:12</u>
Solids: <u>87.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.33 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I29025</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.751	U
11104-28-2	Aroclor 1221	1	0.751	U
11141-16-5	Aroclor 1232	1	0.751	U
53469-21-9	Aroclor 1242	1	1.13	J
12672-29-6	Aroclor 1248	1	0.751	U
11097-69-1	Aroclor 1254	1	1.78	
11096-82-5	Aroclor 1260	1	1.00	J
37324-23-5	Aroclor 1262	1	0.751	U
11100-14-4	Aroclor 1268	1	0.751	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	37.4	38.2	102	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-018SC-A-01-02-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-41RE1</u>	File ID: <u>ECD9_201001_14.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/30/20 14:57</u>	Analyzed: <u>10/01/20 08:56</u>
Solids: <u>86.51</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.01 g / 2 mL</u>
Batch: <u>0090905</u>	Sequence: <u>0J01024</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.55	U
11104-28-2	Aroclor 1221	1	1.55	U
11141-16-5	Aroclor 1232	1	3.07	U
53469-21-9	Aroclor 1242	1	1.55	U
12672-29-6	Aroclor 1248	1	1.55	U
11097-69-1	Aroclor 1254	1	2.76	J
11096-82-5	Aroclor 1260	1	1.55	U
37324-23-5	Aroclor 1262	1	1.55	U
11100-14-4	Aroclor 1268	1	1.55	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	38.5	23.3	61	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-018SC-A-02-03-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-42</u>	File ID: <u>ECD9_200929_16.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/28/20 12:17</u>	Analyzed: <u>09/29/20 09:24</u>
Solids: <u>71.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.52 g / 1 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I29025</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	45.2	42.3	93	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-018SC-A-03-04-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-43RE1</u>	File ID: <u>ECD9_200929_36.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/29/20 10:52</u>	Analyzed: <u>09/29/20 21:55</u>
Solids: <u>67.51</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.25 g / 1 mL</u>
Batch: <u>0090841</u>	Sequence: <u>0I29063</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	48.6	24.2	50	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-018SC-A-04-05-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-44</u>	File ID: <u>ECD9_200928_40.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 18:41</u>
Solids: <u>70.49</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.12 g / 2 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28031</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.89	U
11104-28-2	Aroclor 1221	1	1.89	U
11141-16-5	Aroclor 1232	1	1.89	U
53469-21-9	Aroclor 1242	1	1.89	U
12672-29-6	Aroclor 1248	1	1.89	U
11097-69-1	Aroclor 1254	1	1.89	U
11096-82-5	Aroclor 1260	1	1.89	U
37324-23-5	Aroclor 1262	1	1.89	U
11100-14-4	Aroclor 1268	1	1.89	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	46.9	43.0	92	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-018SC-A-05-06-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-45</u>	File ID: <u>ECD9_200928_44.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/28/20 07:19</u>	Analyzed: <u>09/28/20 19:17</u>
Solids: <u>72.56</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>15.01 g / 2 mL</u>
Batch: <u>0090782</u>	Sequence: <u>0I28031</u>	Calibration: <u>A0I1008</u> Instrument: <u>DUALECD9F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.85	U
11104-28-2	Aroclor 1221	1	3.66	U
11141-16-5	Aroclor 1232	1	1.85	U
53469-21-9	Aroclor 1242	1	1.85	U
12672-29-6	Aroclor 1248	1	1.85	U
11097-69-1	Aroclor 1254	1	5.23	U
11096-82-5	Aroclor 1260	1	8.21	
37324-23-5	Aroclor 1262	1	1.85	U
11100-14-4	Aroclor 1268	1	1.85	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	45.9	40.0	87	43 - 120	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090782

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0090782-BLK1	ECD9_200928_08.D	09/28/20 07:19	
LCS	0090782-BS2	ECD9_200929_07.D	09/29/20 07:19	
PDI-069SC-B-08-10-191016 (Dup)	0090782-DUP1	ECD9_200928_16.D	09/28/20 07:19	
PDI-018SC-A-05-06-190926 (MS)	0090782-MS1	ECD9_200928_48.D	09/28/20 07:19	
PDI-069SC-B-08-10-191016	A0I0556-07	ECD9_200928_12.D	09/28/20 07:19	
PDI-069SC-A-10-11-191016	A0I0556-08	ECD9_200928_20.D	09/28/20 07:19	
PDI-078SC-A-07-08-200505	A0I0556-21	ECD9_200928_24.D	09/28/20 07:19	
PDI-171SC-A-01-02-200521	A0I0556-29	ECD9_200928_28.D	09/28/20 07:19	
PDI-171SC-A-02-03-200521	A0I0556-30	ECD9_200928_07.D	09/28/20 07:19	
PDI-171SC-A-03-04-200521	A0I0556-31	ECD9_200928_11.D	09/28/20 07:19	
PDI-171SC-A-04-05-200521	A0I0556-32	ECD9_200928_15.D	09/28/20 07:19	
PDI-171SC-A-05-06-200521	A0I0556-33	ECD9_200928_19.D	09/28/20 07:19	
PDI-171SC-A-06-07-200521	A0I0556-34	ECD9_200928_23.D	09/28/20 07:19	
PDI-173SC-A-01-02-200521	A0I0556-35	ECD9_200928_27.D	09/28/20 07:19	
PDI-173SC-A-02-03-200521	A0I0556-36	ECD9_200928_35.D	09/28/20 07:19	
PDI-173SC-A-03-04-200521	A0I0556-37	ECD9_200928_39.D	09/28/20 07:19	
PDI-174SC-A-01-02-200521	A0I0556-38	ECD9_200928_43.D	09/28/20 07:19	
PDI-174SC-A-02-03-200521	A0I0556-39RE1	ECD9_200929_40.D	09/28/20 07:19	
PDI-018SC-A-00-01-190926	A0I0556-40	ECD9_200929_08.D	09/28/20 12:17	
PDI-018SC-A-02-03-190926	A0I0556-42	ECD9_200929_16.D	09/28/20 12:17	
PDI-018SC-A-04-05-190926	A0I0556-44	ECD9_200928_40.D	09/28/20 07:19	
PDI-018SC-A-05-06-190926	A0I0556-45	ECD9_200928_44.D	09/28/20 07:19	

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: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090841

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0090841-BLK1	ECD9_200929_30.D	09/29/20 10:52	
LCS	0090841-BS1	ECD9_200929_32.D	09/29/20 10:52	
LCS Dup	0090841-BSD1	ECD9_200929_34.D	09/29/20 11:00	
PDI-018SC-A-03-04-190926	A0I0556-43RE1	ECD9_200929_36.D	09/29/20 10:52	

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: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090905

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0090905-BLK1	ECD9_201001_08.D	09/30/20 14:57	
LCS	0090905-BS1	ECD9_201001_10.D	09/30/20 14:57	
LCS Dup	0090905-BSD1	ECD9_201001_12.D	09/30/20 14:57	
PDI-018SC-A-01-02-190926	A0I0556-41RE1	ECD9_201001_14.D	09/30/20 14:57	

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

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

METHOD BLANK DATA SHEET

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Matrix: Sediment Laboratory ID: 0090782-BLK1 File ID: ECD9_200928_08.D
Prepared: 09/28/20 07:19 Preparation: EPA 3546 Initial/Final: 16 g / 1 mL
Analyzed: 09/28/20 13:55 Instrument: DUALECD9F
Batch: 0090782 Sequence: 0I28031 Calibration: A0I1008

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	0.628	U
11104-28-2	Aroclor 1221	0.628	U
11141-16-5	Aroclor 1232	0.628	U
53469-21-9	Aroclor 1242	0.628	U
12672-29-6	Aroclor 1248	0.628	U
11097-69-1	Aroclor 1254	0.628	U
11096-82-5	Aroclor 1260	0.628	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	31.2	34.0	109	43 - 120	

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090782

Laboratory ID: 0090782-BS2

Preparation: EPA 3546

Initial/Final: 15 g / 1 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
Aroclor 1016	167	107	64	47 - 134
Aroclor 1260	167	135	81	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090841

Laboratory ID: 0090841-BS1

Preparation: EPA 3546

Initial/Final: 15 g / 1 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	83.3	63.8	77	47 - 134
Aroclor 1260	83.3	78.0	94	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090841

Laboratory ID: 0090841-BSD1

Preparation: EPA 3546

Initial/Final: 15 g / 1 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
Aroclor 1016	83.3	68.2	82	7	30	47 - 134
Aroclor 1260	83.3	80.9	97	4	30	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090905

Laboratory ID: 0090905-BS1

Preparation: EPA 3546

Initial/Final: 15 g / 1 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	83.3	63.0	76	47 - 134
Aroclor 1260	83.3	76.0	91	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</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>0090905</u>	Laboratory ID: <u>0090905-BSD1</u>
Preparation: <u>EPA 3546</u>	Initial/Final: <u>15 g / 1 mL</u>

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
Aroclor 1016	83.3	61.0	73	3	30	47 - 134
Aroclor 1260	83.3	74.3	89	2	30	53 - 140

* = Values outside of QC limits

DUPLICATES

PDI-069SC-B-08-10-191016

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090782-DUP1

Batch: 0090782

Lab Source ID: A0I0556-07

Preparation: EPA 3546

Initial/Final: 15.36 g / 1 mL

Source Sample Name: PDI-069SC-B-08-10-191016

% Solids: 63.25

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**PDI-018SC-A-05-06-190926****EPA 8082A**Laboratory: Apex LaboratoriesSDG: A0I0556Client: Anchor QEA, LLCProject: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing CoMatrix: SedimentBatch: 0090782Laboratory ID: 0090782-MS1Preparation: EPA 3546Initial/Final: 15.06 g / 2 mLSource Sample Name: PDI-018SC-A-05-06-190926

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (* = Out)	QC LIMITS REC.
Aroclor 1016	229	ND	134	59	47 - 134
Aroclor 1260	229	8.21	155	64	53 - 140

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0I04008</u>	Instrument: <u>DUALECD9F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1008</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0I04008-ICB1	ECD9_200904_06.D	09/04/20 16:37
Initial Cal Check	0I04008-ICV1	ECD9_200904_24.D	09/04/20 19:18
Cal Standard	0I04008-CAL8	ECD9_200904_26.D	09/04/20 19:36
Cal Standard	0I04008-CAL9	ECD9_200904_28.D	09/04/20 19:54
Cal Standard	0I04008-CALA	ECD9_200904_30.D	09/04/20 20:12
Cal Standard	0I04008-CALB	ECD9_200904_32.D	09/04/20 20:30
Cal Standard	0I04008-CALC	ECD9_200904_34.D	09/04/20 20:47
Cal Standard	0I04008-CALD	ECD9_200904_36.D	09/04/20 21:05
Cal Standard	0I04008-CALE	ECD9_200904_38.D	09/04/20 21:23
Initial Cal Check	0I04008-ICV2	ECD9_200904_40.D	09/04/20 21:41
Initial Cal Check	0I04008-ICV3	ECD9_200904_42.D	09/04/20 21:59
Initial Cal Check	0I04008-ICV4	ECD9_200904_44.D	09/04/20 22:17
Initial Cal Check	0I04008-ICV5	ECD9_200904_46.D	09/04/20 22:35

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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I15055</u>	Instrument: <u>DUALECD9R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1705</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0I15055-ICB1	ECD9_200915_09.D	09/15/20 14:22
Cal Standard	0I15055-CAL1	ECD9_200915_11.D	09/15/20 14:40
Cal Standard	0I15055-CAL2	ECD9_200915_13.D	09/15/20 14:58
Cal Standard	0I15055-CAL3	ECD9_200915_15.D	09/15/20 15:15
Cal Standard	0I15055-CAL4	ECD9_200915_17.D	09/15/20 15:33
Cal Standard	0I15055-CAL5	ECD9_200915_19.D	09/15/20 15:51
Cal Standard	0I15055-CAL6	ECD9_200915_21.D	09/15/20 16:09
Cal Standard	0I15055-CAL7	ECD9_200915_23.D	09/15/20 16:27
Initial Cal Check	0I15055-ICV1	ECD9_200915_27.D	09/15/20 17:03
Cal Standard	0I15055-CAL8	ECD9_200915_29.D	09/15/20 17:21
Cal Standard	0I15055-CAL9	ECD9_200915_31.D	09/15/20 17:39
Cal Standard	0I15055-CALA	ECD9_200915_33.D	09/15/20 17:56
Cal Standard	0I15055-CALB	ECD9_200915_35.D	09/15/20 18:14
Cal Standard	0I15055-CALC	ECD9_200915_37.D	09/15/20 18:32
Cal Standard	0I15055-CALD	ECD9_200915_39.D	09/15/20 18:50
Cal Standard	0I15055-CALE	ECD9_200915_41.D	09/15/20 19:08
Initial Cal Check	0I15055-ICV2	ECD9_200915_43.D	09/15/20 19:26
Initial Cal Check	0I15055-ICV3	ECD9_200915_45.D	09/15/20 19:44
Initial Cal Check	0I15055-ICV4	ECD9_200915_47.D	09/15/20 20:02
Initial Cal Check	0I15055-ICV5	ECD9_200915_49.D	09/15/20 20:20

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: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I28031</u>	Instrument: <u>DUALECD9F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1008</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0I28031-CCV1	ECD9_200928_04.D	09/28/20 13:17
Calibration Blank	0I28031-CCB1	ECD9_200928_06.D	09/28/20 13:35
Blank	0090782-BLK1	ECD9_200928_08.D	09/28/20 13:55
PDI-069SC-B-08-10-191016	A0I0556-07	ECD9_200928_12.D	09/28/20 14:31
PDI-069SC-B-08-10-191016 (Dup)	0090782-DUP1	ECD9_200928_16.D	09/28/20 15:07
PDI-069SC-A-10-11-191016	A0I0556-08	ECD9_200928_20.D	09/28/20 15:42
PDI-078SC-A-07-08-200505	A0I0556-21	ECD9_200928_24.D	09/28/20 16:18
PDI-171SC-A-01-02-200521	A0I0556-29	ECD9_200928_28.D	09/28/20 16:54
Calibration Check	0I28031-CCV2	ECD9_200928_32.D	09/28/20 17:30
Calibration Blank	0I28031-CCB2	ECD9_200928_34.D	09/28/20 17:48
PDI-018SC-A-04-05-190926	A0I0556-44	ECD9_200928_40.D	09/28/20 18:41
PDI-018SC-A-05-06-190926	A0I0556-45	ECD9_200928_44.D	09/28/20 19:17
PDI-018SC-A-05-06-190926 (MS)	0090782-MS1	ECD9_200928_48.D	09/28/20 19:53
Calibration Check	0I28031-CCV3	ECD9_200928_52.D	09/28/20 20:28
Calibration Blank	0I28031-CCB3	ECD9_200928_54.D	09/28/20 20:46

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0I28032</u>	Instrument: <u>DUALECD9R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1705</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0I28032-CCV1	ECD9_200928_03.D	09/28/20 13:17
Calibration Blank	0I28032-CCB1	ECD9_200928_05.D	09/28/20 13:35
PDI-171SC-A-02-03-200521	A0I0556-30	ECD9_200928_07.D	09/28/20 13:55
PDI-171SC-A-03-04-200521	A0I0556-31	ECD9_200928_11.D	09/28/20 14:31
PDI-171SC-A-04-05-200521	A0I0556-32	ECD9_200928_15.D	09/28/20 15:07
PDI-171SC-A-05-06-200521	A0I0556-33	ECD9_200928_19.D	09/28/20 15:42
PDI-171SC-A-06-07-200521	A0I0556-34	ECD9_200928_23.D	09/28/20 16:18
PDI-173SC-A-01-02-200521	A0I0556-35	ECD9_200928_27.D	09/28/20 16:54
Calibration Check	0I28032-CCV2	ECD9_200928_31.D	09/28/20 17:30
Calibration Blank	0I28032-CCB2	ECD9_200928_33.D	09/28/20 17:48
PDI-173SC-A-02-03-200521	A0I0556-36	ECD9_200928_35.D	09/28/20 18:05
PDI-173SC-A-03-04-200521	A0I0556-37	ECD9_200928_39.D	09/28/20 18:41
PDI-174SC-A-01-02-200521	A0I0556-38	ECD9_200928_43.D	09/28/20 19:17
Calibration Check	0I28032-CCV3	ECD9_200928_51.D	09/28/20 20:28
Calibration Blank	0I28032-CCB3	ECD9_200928_53.D	09/28/20 20:46

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0I29025</u>	Instrument: <u>DUALECD9F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1008</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0I29025-CCV1	ECD9_200929_04.D	09/29/20 07:37
Calibration Blank	0I29025-CCB1	ECD9_200929_06.D	09/29/20 07:54
PDI-018SC-A-00-01-190926	A0I0556-40	ECD9_200929_08.D	09/29/20 08:12
PDI-018SC-A-02-03-190926	A0I0556-42	ECD9_200929_16.D	09/29/20 09:24
Calibration Check	0I29025-CCV2	ECD9_200929_20.D	09/29/20 09:59
Calibration Blank	0I29025-CCB2	ECD9_200929_22.D	09/29/20 10:17

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0I29026

Instrument: DUALECD9R

Matrix: Sediment

Calibration: A0I1705

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0I29026-CCV1	ECD9_200929_03.D	09/29/20 07:37
Calibration Blank	0I29026-CCB1	ECD9_200929_05.D	09/29/20 07:54
LCS	0090782-BS2	ECD9_200929_07.D	09/29/20 08:12
Calibration Check	0I29026-CCV2	ECD9_200929_11.D	09/29/20 08:48
Calibration Blank	0I29026-CCB2	ECD9_200929_13.D	09/29/20 09:06
Calibration Check	0I29026-CCV3	ECD9_200929_19.D	09/29/20 09:59
Calibration Blank	0I29026-CCB3	ECD9_200929_21.D	09/29/20 10:17

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0I29063

Instrument: DUALECD9F

Matrix: Sediment

Calibration: A0I1008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0I29063-CCV1	ECD9_200929_26.D	09/29/20 20:26
Calibration Blank	0I29063-CCB1	ECD9_200929_28.D	09/29/20 20:44
Blank	0090841-BLK1	ECD9_200929_30.D	09/29/20 21:01
LCS	0090841-BS1	ECD9_200929_32.D	09/29/20 21:20
LCS Dup	0090841-BSD1	ECD9_200929_34.D	09/29/20 21:37
PDI-018SC-A-03-04-190926	A0I0556-43RE1	ECD9_200929_36.D	09/29/20 21:55
PDI-174SC-A-02-03-200521	A0I0556-39RE1	ECD9_200929_40.D	09/29/20 22:31
Calibration Check	0I29063-CCV2	ECD9_200929_44.D	09/29/20 23:07
Calibration Blank	0I29063-CCB2	ECD9_200929_46.D	09/29/20 23:24

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0J01024

Instrument: DUALECD9F

Matrix: Sediment

Calibration: A0I1008

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J01024-CCV1	ECD9_201001_04.D	10/01/20 07:27
Calibration Blank	0J01024-CCB1	ECD9_201001_06.D	10/01/20 07:45
Blank	0090905-BLK1	ECD9_201001_08.D	10/01/20 08:03
LCS	0090905-BS1	ECD9_201001_10.D	10/01/20 08:21
LCS Dup	0090905-BSD1	ECD9_201001_12.D	10/01/20 08:39
PDI-018SC-A-01-02-190926	A0I0556-41RE1	ECD9_201001_14.D	10/01/20 08:56
Calibration Check	0J01024-CCV2	ECD9_201001_18.D	10/01/20 09:32
Calibration Blank	0J01024-CCB2	ECD9_201001_20.D	10/01/20 09:50

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.

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1008

Date: 09/10/20 15:22

Instrument: DUALECD9F

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	950118.1	Ave	4.505808	9.746143	1.170648E-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: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1008

Instrument: DUALECD9F

Calibration Date: 09/10/20 15:22

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	68629.35	50	58428.44	100	55823.4	200	52381.35	500	49077.84	1000	47367.29
1016 (2)	20	108143	50	93934.68	100	92778.79	200	90195.2	500	84917.44	1000	82198.15
1016 (3)	20	70931.25	50	61925.68	100	56277.48	200	53194.8	500	50528.22	1000	49856.34
1016 (4)	20	60738.45	50	51961.48	100	46833.89	200	44981.98	500	41470.46	1000	40188.62
1016 (5)	20	68990.25	50	58379.98	100	54160.22	200	53448.2	500	51294.08	1000	50529.93
1016 (6)	20	48290.4	50	41566.48	100	38084.01	200	37596.78	500	33460.06	1000	33300.72
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	117394.3	50	103857.1	100	96109.97	200	98124.95	500	94263.88	1000	89715.71
1260 (2)	20	142058.5	50	122589.8	100	119535.2	200	119650.8	500	106369.7	1000	109009.4
1260 (3)	20	107433.3	50	93255.14	100	88208.89	200	86242.5	500	83082.36	1000	79958.15
1260 (4)	20	215317.6	50	195050.2	100	182900.4	200	195905	500	179052.6	1000	174070.3
1260 (5)	20	144386.5	50	126602.1	100	122540.5	200	121046.4	500	116097.5	1000	119448.8
1260 (6)	20	64228.9	50	55430.88	100	51289.64	200	49274.41	500	48460.72	1000	45111.23
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	1031914	25	962562	50	967009.2	100	932277.2	250	898300.8	500	930475

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1008

Instrument: DUALECD9F

Matrix:

Calibration Date: 09/10/20 15:22

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	49156.67										
1016 (2)	1500	83293.87										
1016 (3)	1500	50092.38										
1016 (4)	1500	41607.36										
1016 (5)	1500	48530.39										
1016 (6)	1500	33880.48										
Aroclor 1016	1500	ϕ										
1254 (1)											500	72785.74
1254 (2)											500	81588.12
1254 (3)											500	118080.8
1254 (4)											500	76161.22
1254 (5)											500	78475.96
1254 (6)											500	25791.6
Aroclor 1254											500	ϕ
1260 (1)	1500	90885.54										
1260 (2)	1500	108560.9										
1260 (3)	1500	80721.13										
1260 (4)	1500	183716.7										
1260 (5)	1500	115213.9										
1260 (6)	1500	46059.91										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	928288.8			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1008

Instrument: DUALECD9F

Matrix:

Calibration Date: 09/10/20 15:22

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	84499.22										
1262 (2)	500	120839.7										
1262 (3)	500	98482.16										
1262 (4)	500	200315.2										
1262 (5)	500	115599.3										
1262 (6)	500	60537.02										
Decachlorobiphenyl (Surr)	200	0	200	0								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1705

Date: 09/17/20 13:02

Instrument: DUALECD9R

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	710018.7	Ave	2.977648	10.863	1.339381E-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: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1705

Instrument: DUALECD9R

Calibration Date: 09/17/20 13:02

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	71098.05	50	62510.82	100	57844.69	200	53299	500	50790	1000	51635.23
1016 (2)	20	102755.8	50	96184.64	100	91491.74	200	88003.6	500	84876.49	1000	85248.32
1016 (3)	20	53105.1	50	47250.56	100	45001.37	200	40273.75	500	39594.8	1000	37510.87
1016 (4)	20	59300.85	50	52995.34	100	47664.02	200	44067.46	500	41544.04	1000	41182.42
1016 (5)	20	63823	50	57400.02	100	50550.43	200	47803.86	500	45477.16	1000	44497.96
1016 (6)	20	61252.7	50	55853.7	100	49024.16	200	47367.23	500	45842.32	1000	46234.72
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	114361.9	50	101481	100	98716.36	200	92019.1	500	88990.46	1000	88597.57
1260 (2)	20	130933.9	50	123445.7	100	113599.5	200	111924.9	500	108376.4	1000	104664.2
1260 (3)	20	127049.5	50	118239.1	100	113461.1	200	108199.7	500	108724.6	1000	106885
1260 (4)	20	173429.9	50	170299	100	165729.5	200	161680.7	500	159016.9	1000	161907.4
1260 (5)	20	110407	50	103352.6	100	96980.27	200	90826.1	500	92233.86	1000	91264.09
1260 (6)	20	47918.6	50	43348.98	100	39209.3	200	37132.71	500	35301.32	1000	33158.4
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	725559.4	25	705557.6	50	695309.2	100	715011.4	250	672014	500	722705.4

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1705

Instrument: DUALECD9R

Matrix:

Calibration Date: 09/17/20 13:02

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	49807.85										
1016 (2)	1500	86901.66										
1016 (3)	1500	38835.16										
1016 (4)	1500	39697.31										
1016 (5)	1500	45485.18										
1016 (6)	1500	43485.21										
Aroclor 1016	1500	ϕ										
1254 (1)											500	71177.84
1254 (2)											500	108885.3
1254 (3)											500	111519.2
1254 (4)											500	81762.46
1254 (5)											500	86301.19
1254 (6)											500	24136.06
Aroclor 1254											500	ϕ
1260 (1)	1500	88764.47										
1260 (2)	1500	111011.9										
1260 (3)	1500	108796.8										
1260 (4)	1500	157840.8										
1260 (5)	1500	94988.27										
1260 (6)	1500	35026.24										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	733973.8			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0I1705

Instrument: DUALECD9R

Matrix:

Calibration Date: 09/17/20 13:02

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	80043.77										
1262 (2)	500	113895.7										
1262 (3)	500	88336.14										
1262 (4)	500	170529.8										
1262 (5)	500	105288.8										
1262 (6)	500	45509.48										
Decachlorobiphenyl (Surr)	200	0	200	0								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9F Calibration: A0I1008
Lab File ID: ECD9_200904_24.D
Sequence: 0I04008 Inject Date: 09/04/20
Lab Sample ID: 0I04008-ICV1 Inject Time: 19:18

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	442	-11.6	70 - 130
Aroclor 1260	500	444	-11.1	70 - 130
Decachlorobiphenyl (Surr)	200	180	-10.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9F Calibration: A0I1008
Lab File ID: ECD9_200904_40.D
Sequence: 0I04008 Inject Date: 09/04/20
Lab Sample ID: 0I04008-ICV2 Inject Time: 21:41

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	1000	0.09	70 - 130
Aroclor 1254	500	534	6.7	70 - 130
Decachlorobiphenyl (Surr)	80.0	88.2	10.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9F Calibration: A0I1008
Lab File ID: ECD9_200904_42.D
Sequence: 0I04008 Inject Date: 09/04/20
Lab Sample ID: 0I04008-ICV3 Inject Time: 21:59

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	549	9.8	70 - 130
Aroclor 1262	500	512	2.4	70 - 130
Decachlorobiphenyl (Surr)	80.0	92.7	15.8	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9F Calibration: A0I1008
Lab File ID: ECD9_200904_44.D
Sequence: 0I04008 Inject Date: 09/04/20
Lab Sample ID: 0I04008-ICV4 Inject Time: 22:17

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	543	8.6	70 - 130
Aroclor 1268	500	517	3.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9F Calibration: A0I1008
Lab File ID: ECD9_200904_46.D
Sequence: 0I04008 Inject Date: 09/04/20
Lab Sample ID: 0I04008-ICV5 Inject Time: 22:35

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	514	2.8	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9R Calibration: A0I1705
Lab File ID: ECD9_200915_27.D
Sequence: 0I15055 Inject Date: 09/15/20
Lab Sample ID: 0I15055-ICV1 Inject Time: 17:03

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	421	-15.7	70 - 130
Aroclor 1260	500	441	-11.7	70 - 130
Decachlorobiphenyl (Surr)	200	170	-15.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9R Calibration: A0I1705
Lab File ID: ECD9_200915_43.D
Sequence: 0I15055 Inject Date: 09/15/20
Lab Sample ID: 0I15055-ICV2 Inject Time: 19:26

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	980	-2.0	70 - 130
Aroclor 1254	500	504	0.7	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.6	7.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9R Calibration: A0I1705
Lab File ID: ECD9_200915_45.D
Sequence: 0I15055 Inject Date: 09/15/20
Lab Sample ID: 0I15055-ICV3 Inject Time: 19:44

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	524	4.9	70 - 130
Aroclor 1262	500	494	-1.1	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.2	6.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9R Calibration: A0I1705
Lab File ID: ECD9_200915_47.D
Sequence: 0I15055 Inject Date: 09/15/20
Lab Sample ID: 0I15055-ICV4 Inject Time: 20:02

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	532	6.4	70 - 130
Aroclor 1268	500	520	4.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD9R Calibration: A0I1705
Lab File ID: ECD9_200915_49.D
Sequence: 0I15055 Inject Date: 09/15/20
Lab Sample ID: 0I15055-ICV5 Inject Time: 20:20

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	499	-0.2	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 200928 04.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0I28031</u>	Injection Date: <u>09/28/20</u>
Lab Sample ID: <u>0I28031-CCV1</u>	Injection Time: <u>13:17</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	485				-3.0	20
Aroclor 1260	Ave	500	510				1.9	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 200928 32.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0I28031</u>	Injection Date: <u>09/28/20</u>
Lab Sample ID: <u>0I28031-CCV2</u>	Injection Time: <u>17:30</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	541				8.2	20
Aroclor 1260	Ave	500	552				10.4	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 200928 52.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0I28031</u>	Injection Date: <u>09/28/20</u>
Lab Sample ID: <u>0I28031-CCV3</u>	Injection Time: <u>20:28</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	551				10.1	20
Aroclor 1260	Ave	500	577				15.4	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9R</u>	Calibration: <u>A0I1705</u>
Lab File ID: <u>ECD9 200928 03.D</u>	Calibration Date: <u>09/17/20 13:02</u>
Sequence: <u>0I28032</u>	Injection Date: <u>09/28/20</u>
Lab Sample ID: <u>0I28032-CCV1</u>	Injection Time: <u>13:17</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	490				-2.1	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9R</u>	Calibration: <u>A0I1705</u>
Lab File ID: <u>ECD9 200928 31.D</u>	Calibration Date: <u>09/17/20 13:02</u>
Sequence: <u>0I28032</u>	Injection Date: <u>09/28/20</u>
Lab Sample ID: <u>0I28032-CCV2</u>	Injection Time: <u>17:30</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	484				-3.3	20
Aroclor 1260	Ave	500	515				3.0	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9R</u>	Calibration: <u>A0I1705</u>
Lab File ID: <u>ECD9 200928 51.D</u>	Calibration Date: <u>09/17/20 13:02</u>
Sequence: <u>0I28032</u>	Injection Date: <u>09/28/20</u>
Lab Sample ID: <u>0I28032-CCV3</u>	Injection Time: <u>20:28</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	499				-0.3	20
Aroclor 1260	Ave	500	538				7.5	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 200929 04.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0I29025</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29025-CCV1</u>	Injection Time: <u>07:37</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	514				2.8	20
Aroclor 1260	Ave	500	537				7.5	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 200929 20.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0I29025</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29025-CCV2</u>	Injection Time: <u>09:59</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	535				7.1	20
Aroclor 1260	Ave	500	560				12.1	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9R</u>	Calibration: <u>A0I1705</u>
Lab File ID: <u>ECD9 200929 03.D</u>	Calibration Date: <u>09/17/20 13:02</u>
Sequence: <u>0I29026</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29026-CCV1</u>	Injection Time: <u>07:37</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				-7.8	20
Aroclor 1260	Ave	500	497				-0.6	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9R</u>	Calibration: <u>A0I1705</u>
Lab File ID: <u>ECD9 200929 11.D</u>	Calibration Date: <u>09/17/20 13:02</u>
Sequence: <u>0I29026</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29026-CCV2</u>	Injection Time: <u>08:48</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	468				-6.4	20
Aroclor 1260	Ave	500	505				1.0	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9R</u>	Calibration: <u>A0I1705</u>
Lab File ID: <u>ECD9 200929 19.D</u>	Calibration Date: <u>09/17/20 13:02</u>
Sequence: <u>0I29026</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29026-CCV3</u>	Injection Time: <u>09:59</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	486				-2.8	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

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 200929 26.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0I29063</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29063-CCV1</u>	Injection Time: <u>20:26</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	515			120.39	3.0	20
Aroclor 1260	Ave	500	554			120.39	10.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 200929 44.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0I29063</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29063-CCV2</u>	Injection Time: <u>23:07</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	543				8.6	20
Aroclor 1260	Ave	500	572				14.4	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 201001 04.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0J01024</u>	Injection Date: <u>10/01/20</u>
Lab Sample ID: <u>0J01024-CCV1</u>	Injection Time: <u>07:27</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	509				1.8	20
Aroclor 1260	Ave	500	541				8.2	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>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD9F</u>	Calibration: <u>A0I1008</u>
Lab File ID: <u>ECD9 201001 18.D</u>	Calibration Date: <u>09/10/20 15:22</u>
Sequence: <u>0J01024</u>	Injection Date: <u>10/01/20</u>
Lab Sample ID: <u>0J01024-CCV2</u>	Injection Time: <u>09:32</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	524				4.7	20
Aroclor 1260	Ave	500	554				10.8	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I28031</u>	Instrument: <u>DUALECD9F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1008</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I28031-CCV1) Lab File ID: ECD9_200928_04.D Analyzed: 09/28/20 13:17								
Decachlorobiphenyl (Surr)	250	95	80 - 120	9.75	9.746143	0.0039	+/-1.0	
Calibration Blank (0I28031-CCB1) Lab File ID: ECD9_200928_06.D Analyzed: 09/28/20 13:35								
Decachlorobiphenyl (Surr)	100	110	43 - 120	9.746	9.746143	-0.0001	+/-1.0	
Blank (0090782-BLK1) Lab File ID: ECD9_200928_08.D Analyzed: 09/28/20 13:55								
Decachlorobiphenyl (Surr)	31.2	109	43 - 120	9.752	9.746143	0.0059	+/-1.0	
PDI-069SC-B-08-10-191016 (A0I0556-07) Lab File ID: ECD9_200928_12.D Analyzed: 09/28/20 14:31								
Decachlorobiphenyl (Surr)	51.2	40	43 - 120	9.749	9.746143	0.0029	+/-1.0	*
Duplicate (0090782-DUP1) Lab File ID: ECD9_200928_16.D Analyzed: 09/28/20 15:07								
Decachlorobiphenyl (Surr)	51.5	42	43 - 120	9.751	9.746143	0.0049	+/-1.0	*
PDI-069SC-A-10-11-191016 (A0I0556-08) Lab File ID: ECD9_200928_20.D Analyzed: 09/28/20 15:42								
Decachlorobiphenyl (Surr)	59.7	53	43 - 120	9.752	9.746143	0.0059	+/-1.0	
PDI-078SC-A-07-08-200505 (A0I0556-21) Lab File ID: ECD9_200928_24.D Analyzed: 09/28/20 16:18								
Decachlorobiphenyl (Surr)	53.9	112	43 - 120	9.753	9.746143	0.0069	+/-1.0	
PDI-171SC-A-01-02-200521 (A0I0556-29) Lab File ID: ECD9_200928_28.D Analyzed: 09/28/20 16:54								
Decachlorobiphenyl (Surr)	58.4	74	43 - 120	9.747	9.746143	0.0009	+/-1.0	
Calibration Check (0I28031-CCV2) Lab File ID: ECD9_200928_32.D Analyzed: 09/28/20 17:30								
Decachlorobiphenyl (Surr)	250	107	80 - 120	9.746	9.746143	-0.0001	+/-1.0	
Calibration Blank (0I28031-CCB2) Lab File ID: ECD9_200928_34.D Analyzed: 09/28/20 17:48								
Decachlorobiphenyl (Surr)	100	117	43 - 120	9.746	9.746143	-0.0001	+/-1.0	
PDI-018SC-A-04-05-190926 (A0I0556-44) Lab File ID: ECD9_200928_40.D Analyzed: 09/28/20 18:41								
Decachlorobiphenyl (Surr)	46.9	92	43 - 120	9.746	9.746143	-0.0001	+/-1.0	
PDI-018SC-A-05-06-190926 (A0I0556-45) Lab File ID: ECD9_200928_44.D Analyzed: 09/28/20 19:17								
Decachlorobiphenyl (Surr)	45.9	87	43 - 120	9.747	9.746143	0.0009	+/-1.0	
Matrix Spike (0090782-MS1) Lab File ID: ECD9_200928_48.D Analyzed: 09/28/20 19:53								
Decachlorobiphenyl (Surr)	45.8	89	43 - 120	9.746	9.746143	-0.0001	+/-1.0	
Calibration Check (0I28031-CCV3) Lab File ID: ECD9_200928_52.D Analyzed: 09/28/20 20:28								
Decachlorobiphenyl (Surr)	250	109	80 - 120	9.744	9.746143	-0.0021	+/-1.0	
Calibration Blank (0I28031-CCB3) Lab File ID: ECD9_200928_54.D Analyzed: 09/28/20 20:46								
Decachlorobiphenyl (Surr)	100	118	43 - 120	9.743	9.746143	-0.0031	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I28032</u>	Instrument: <u>DUALECD9R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1705</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I28032-CCV1)			Lab File ID: ECD9_200928_03.D Analyzed: 09/28/20 13:17					
Decachlorobiphenyl (Surr)	250	92	80 - 120	10.861	10.863	-0.0020	+/-1.0	
Calibration Blank (0I28032-CCB1)			Lab File ID: ECD9_200928_05.D Analyzed: 09/28/20 13:35					
Decachlorobiphenyl (Surr)	100	96	43 - 120	10.86	10.863	-0.0030	+/-1.0	
PDI-171SC-A-02-03-200521 (A0I0556-30)			Lab File ID: ECD9_200928_07.D Analyzed: 09/28/20 13:55					
Decachlorobiphenyl (Surr)	75.6	60	43 - 120	10.863	10.863	0.0000	+/-1.0	
PDI-171SC-A-03-04-200521 (A0I0556-31)			Lab File ID: ECD9_200928_11.D Analyzed: 09/28/20 14:31					
Decachlorobiphenyl (Surr)	57.7	61	43 - 120	10.86	10.863	-0.0030	+/-1.0	
PDI-171SC-A-04-05-200521 (A0I0556-32)			Lab File ID: ECD9_200928_15.D Analyzed: 09/28/20 15:07					
Decachlorobiphenyl (Surr)	55.1	63	43 - 120	10.861	10.863	-0.0020	+/-1.0	
PDI-171SC-A-05-06-200521 (A0I0556-33)			Lab File ID: ECD9_200928_19.D Analyzed: 09/28/20 15:42					
Decachlorobiphenyl (Surr)	46.5	81	43 - 120	10.861	10.863	-0.0020	+/-1.0	
PDI-171SC-A-06-07-200521 (A0I0556-34)			Lab File ID: ECD9_200928_23.D Analyzed: 09/28/20 16:18					
Decachlorobiphenyl (Surr)	47.0	74	43 - 120	10.861	10.863	-0.0020	+/-1.0	
PDI-173SC-A-01-02-200521 (A0I0556-35)			Lab File ID: ECD9_200928_27.D Analyzed: 09/28/20 16:54					
Decachlorobiphenyl (Surr)	41.0	92	43 - 120	10.859	10.863	-0.0040	+/-1.0	
Calibration Check (0I28032-CCV2)			Lab File ID: ECD9_200928_31.D Analyzed: 09/28/20 17:30					
Decachlorobiphenyl (Surr)	250	99	80 - 120	10.86	10.863	-0.0030	+/-1.0	
Calibration Blank (0I28032-CCB2)			Lab File ID: ECD9_200928_33.D Analyzed: 09/28/20 17:48					
Decachlorobiphenyl (Surr)	100	102	43 - 120	10.857	10.863	-0.0060	+/-1.0	
PDI-173SC-A-02-03-200521 (A0I0556-36)			Lab File ID: ECD9_200928_35.D Analyzed: 09/28/20 18:05					
Decachlorobiphenyl (Surr)	43.4	98	43 - 120	10.859	10.863	-0.0040	+/-1.0	
PDI-173SC-A-03-04-200521 (A0I0556-37)			Lab File ID: ECD9_200928_39.D Analyzed: 09/28/20 18:41					
Decachlorobiphenyl (Surr)	46.7	96	43 - 120	10.859	10.863	-0.0040	+/-1.0	
PDI-174SC-A-01-02-200521 (A0I0556-38)			Lab File ID: ECD9_200928_43.D Analyzed: 09/28/20 19:17					
Decachlorobiphenyl (Surr)	41.8	95	43 - 120	10.858	10.863	-0.0050	+/-1.0	
Calibration Check (0I28032-CCV3)			Lab File ID: ECD9_200928_51.D Analyzed: 09/28/20 20:28					
Decachlorobiphenyl (Surr)	250	104	80 - 120	10.856	10.863	-0.0070	+/-1.0	
Calibration Blank (0I28032-CCB3)			Lab File ID: ECD9_200928_53.D Analyzed: 09/28/20 20:46					
Decachlorobiphenyl (Surr)	100	106	43 - 120	10.855	10.863	-0.0080	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0I29025</u>	Instrument: <u>DUALECD9F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1008</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I29025-CCV1) Lab File ID: ECD9_200929_04.D Analyzed: 09/29/20 07:37								
Decachlorobiphenyl (Surr)	250	103	80 - 120	9.748	9.746143	0.0019	+/-1.0	
Calibration Blank (0I29025-CCB1) Lab File ID: ECD9_200929_06.D Analyzed: 09/29/20 07:54								
Decachlorobiphenyl (Surr)	100	111	43 - 120	9.744	9.746143	-0.0021	+/-1.0	
PDI-018SC-A-00-01-190926 (A0I0556-40) Lab File ID: ECD9_200929_08.D Analyzed: 09/29/20 08:12								
Decachlorobiphenyl (Surr)	37.4	102	43 - 120	9.746	9.746143	-0.0001	+/-1.0	
PDI-018SC-A-02-03-190926 (A0I0556-42) Lab File ID: ECD9_200929_16.D Analyzed: 09/29/20 09:24								
Decachlorobiphenyl (Surr)	45.2	93	43 - 120	9.746	9.746143	-0.0001	+/-1.0	
Calibration Check (0I29025-CCV2) Lab File ID: ECD9_200929_20.D Analyzed: 09/29/20 09:59								
Decachlorobiphenyl (Surr)	250	110	80 - 120	9.747	9.746143	0.0009	+/-1.0	
Calibration Blank (0I29025-CCB2) Lab File ID: ECD9_200929_22.D Analyzed: 09/29/20 10:17								
Decachlorobiphenyl (Surr)	100	117	43 - 120	9.745	9.746143	-0.0011	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I29026</u>	Instrument: <u>DUALECD9R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1705</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I29026-CCV1) Lab File ID: ECD9_200929_03.D Analyzed: 09/29/20 07:37								
Decachlorobiphenyl (Surr)	250	96	80 - 120	10.858	10.863	-0.0050	+/-1.0	
Calibration Blank (0I29026-CCB1) Lab File ID: ECD9_200929_05.D Analyzed: 09/29/20 07:54								
Decachlorobiphenyl (Surr)	100	101	43 - 120	10.857	10.863	-0.0060	+/-1.0	
LCS (0090782-BS2) Lab File ID: ECD9_200929_07.D Analyzed: 09/29/20 08:12								
Decachlorobiphenyl (Surr)	33.3	106	43 - 120	10.857	10.863	-0.0060	+/-1.0	
Calibration Check (0I29026-CCV2) Lab File ID: ECD9_200929_11.D Analyzed: 09/29/20 08:48								
Decachlorobiphenyl (Surr)	250	95	80 - 120	10.857	10.863	-0.0060	+/-1.0	
Calibration Blank (0I29026-CCB2) Lab File ID: ECD9_200929_13.D Analyzed: 09/29/20 09:06								
Decachlorobiphenyl (Surr)	100	101	43 - 120	10.857	10.863	-0.0060	+/-1.0	
Calibration Check (0I29026-CCV3) Lab File ID: ECD9_200929_19.D Analyzed: 09/29/20 09:59								
Decachlorobiphenyl (Surr)	250	98	80 - 120	10.858	10.863	-0.0050	+/-1.0	
Calibration Blank (0I29026-CCB3) Lab File ID: ECD9_200929_21.D Analyzed: 09/29/20 10:17								
Decachlorobiphenyl (Surr)	100	106	43 - 120	10.858	10.863	-0.0050	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I29063</u>	Instrument: <u>DUALECD9F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1008</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I29063-CCV1) Lab File ID: ECD9_200929_26.D Analyzed: 09/29/20 20:26								
Decachlorobiphenyl (Surr)	250	110	80 - 120	9.747	9.746143	0.0009	+/-1.0	
Calibration Blank (0I29063-CCB1) Lab File ID: ECD9_200929_28.D Analyzed: 09/29/20 20:44								
Decachlorobiphenyl (Surr)	100	115	43 - 120	9.744	9.746143	-0.0021	+/-1.0	
Blank (0090841-BLK1) Lab File ID: ECD9_200929_30.D Analyzed: 09/29/20 21:01								
Decachlorobiphenyl (Surr)	31.2	106	43 - 120	9.744	9.746143	-0.0021	+/-1.0	
LCS (0090841-BS1) Lab File ID: ECD9_200929_32.D Analyzed: 09/29/20 21:20								
Decachlorobiphenyl (Surr)	33.3	111	43 - 120	9.744	9.746143	-0.0021	+/-1.0	
LCS Dup (0090841-BSD1) Lab File ID: ECD9_200929_34.D Analyzed: 09/29/20 21:37								
Decachlorobiphenyl (Surr)	33.3	111	43 - 120	9.745	9.746143	-0.0011	+/-1.0	
PDI-018SC-A-03-04-190926 (A0I0556-43RE1) Lab File ID: ECD9_200929_36.D Analyzed: 09/29/20 21:55								
Decachlorobiphenyl (Surr)	48.6	50	43 - 120	9.745	9.746143	-0.0011	+/-1.0	
PDI-174SC-A-02-03-200521 (A0I0556-39RE1) Lab File ID: ECD9_200929_40.D Analyzed: 09/29/20 22:31								
Decachlorobiphenyl (Surr)	41.8	115	43 - 120	9.746	9.746143	-0.0001	+/-1.0	
Calibration Check (0I29063-CCV2) Lab File ID: ECD9_200929_44.D Analyzed: 09/29/20 23:07								
Decachlorobiphenyl (Surr)	250	112	80 - 120	9.745	9.746143	-0.0011	+/-1.0	
Calibration Blank (0I29063-CCB2) Lab File ID: ECD9_200929_46.D Analyzed: 09/29/20 23:24								
Decachlorobiphenyl (Surr)	100	116	43 - 120	9.743	9.746143	-0.0031	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0J01024</u>	Instrument: <u>DUALECD9F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0I1008</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J01024-CCV1) Lab File ID: ECD9_201001_04.D Analyzed: 10/01/20 07:27								
Decachlorobiphenyl (Surr)	250	103	80 - 120	9.747	9.746143	0.0009	+/-1.0	
Calibration Blank (0J01024-CCB1) Lab File ID: ECD9_201001_06.D Analyzed: 10/01/20 07:45								
Decachlorobiphenyl (Surr)	100	116	43 - 120	9.742	9.746143	-0.0041	+/-1.0	
Blank (0090905-BLK1) Lab File ID: ECD9_201001_08.D Analyzed: 10/01/20 08:03								
Decachlorobiphenyl (Surr)	31.2	110	43 - 120	9.742	9.746143	-0.0041	+/-1.0	
LCS (0090905-BS1) Lab File ID: ECD9_201001_10.D Analyzed: 10/01/20 08:21								
Decachlorobiphenyl (Surr)	33.3	109	43 - 120	9.742	9.746143	-0.0041	+/-1.0	
LCS Dup (0090905-BSD1) Lab File ID: ECD9_201001_12.D Analyzed: 10/01/20 08:39								
Decachlorobiphenyl (Surr)	33.3	107	43 - 120	9.742	9.746143	-0.0041	+/-1.0	
PDI-018SC-A-01-02-190926 (A0I0556-41RE1) Lab File ID: ECD9_201001_14.D Analyzed: 10/01/20 08:56								
Decachlorobiphenyl (Surr)	38.5	61	43 - 120	9.742	9.746143	-0.0041	+/-1.0	
Calibration Check (0J01024-CCV2) Lab File ID: ECD9_201001_18.D Analyzed: 10/01/20 09:32								
Decachlorobiphenyl (Surr)	250	111	80 - 120	9.743	9.746143	-0.0031	+/-1.0	
Calibration Blank (0J01024-CCB2) Lab File ID: ECD9_201001_20.D Analyzed: 10/01/20 09:50								
Decachlorobiphenyl (Surr)	100	118	43 - 120	9.743	9.746143	-0.0031	+/-1.0	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: A0I0556

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-069SC-B-08-10-191016	10/16/19 10:38	05/07/20 10:07	09/28/20 07:19	347.86	365.00	09/28/20 14:31	0.30	40.00	
PDI-069SC-A-10-11-191016	10/16/19 10:35	05/07/20 10:07	09/28/20 07:19	347.86	365.00	09/28/20 15:42	0.35	40.00	
PDI-078SC-A-07-08-200505	05/05/20 10:50	05/07/20 10:07	09/28/20 07:19	145.85	365.00	09/28/20 16:18	0.37	40.00	
PDI-171SC-A-01-02-200521	05/21/20 15:15	05/07/20 10:07	09/28/20 07:19	129.67	365.00	09/28/20 16:54	0.40	40.00	
PDI-171SC-A-02-03-200521	05/21/20 15:15	05/07/20 10:07	09/28/20 07:19	129.67	365.00	09/28/20 13:55	0.27	40.00	
PDI-171SC-A-03-04-200521	05/21/20 15:15	05/07/20 10:07	09/28/20 07:19	129.67	365.00	09/28/20 14:31	0.30	40.00	
PDI-171SC-A-04-05-200521	05/21/20 15:15	05/07/20 10:07	09/28/20 07:19	129.67	365.00	09/28/20 15:07	0.32	40.00	
PDI-171SC-A-05-06-200521	05/21/20 15:15	05/07/20 10:07	09/28/20 07:19	129.67	365.00	09/28/20 15:42	0.35	40.00	
PDI-171SC-A-06-07-200521	05/21/20 15:15	05/07/20 10:07	09/28/20 07:19	129.67	365.00	09/28/20 16:18	0.37	40.00	
PDI-173SC-A-01-02-200521	05/21/20 11:45	05/07/20 10:07	09/28/20 07:19	129.82	365.00	09/28/20 16:54	0.40	40.00	
PDI-173SC-A-02-03-200521	05/21/20 11:45	05/07/20 10:07	09/28/20 07:19	129.82	365.00	09/28/20 18:05	0.45	40.00	
PDI-173SC-A-03-04-200521	05/21/20 11:45	05/07/20 10:07	09/28/20 07:19	129.82	365.00	09/28/20 18:41	0.47	40.00	
PDI-174SC-A-01-02-200521	05/21/20 12:10	05/07/20 10:07	09/28/20 07:19	129.80	365.00	09/28/20 19:17	0.50	40.00	
PDI-174SC-A-02-03-200521	05/21/20 12:10	05/07/20 10:07	09/28/20 07:19	129.80	365.00	09/29/20 22:31	1.63	40.00	
PDI-018SC-A-00-01-190926	09/26/19 08:54	05/07/20 10:07	09/28/20 12:17	368.14	365.00	09/29/20 08:12	0.83	40.00	*
PDI-018SC-A-01-02-190926	09/26/19 08:54	05/07/20 10:07	09/30/20 14:57	370.25	365.00	10/01/20 08:56	0.75	40.00	*
PDI-018SC-A-02-03-190926	09/26/19 08:54	05/07/20 10:07	09/28/20 12:17	368.14	365.00	09/29/20 09:24	0.88	40.00	*
PDI-018SC-A-03-04-190926	09/26/19 08:54	05/07/20 10:07	09/29/20 10:52	369.08	365.00	09/29/20 21:55	0.46	40.00	*
PDI-018SC-A-04-05-190926	09/26/19 08:54	05/07/20 10:07	09/28/20 07:19	367.93	365.00	09/28/20 18:41	0.47	40.00	*
PDI-018SC-A-05-06-190926	09/26/19 08:54	05/07/20 10:07	09/28/20 07:19	367.93	365.00	09/28/20 19:17	0.50	40.00	*

Apex Laboratories

SDG: A0I0556
CLASS: GC
METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-048SC-A-08-11-200506</u>	<u>A0I0556-04</u>	<u>SE</u>
<u>PDI-069SC-B-08-10-191016</u>	<u>A0I0556-07</u>	<u>SE</u>
<u>PDI-069SC-A-10-11-191016</u>	<u>A0I0556-08</u>	<u>SE</u>
<u>PDI-073SC-A-08-09-191013</u>	<u>A0I0556-09</u>	<u>SE</u>
<u>PDI-073SC-A-09-10-191013</u>	<u>A0I0556-10</u>	<u>SE</u>
<u>PDI-073SC-A-10-11-191013</u>	<u>A0I0556-11</u>	<u>SE</u>
<u>PDI-075SC-B-08-10-191013</u>	<u>A0I0556-14</u>	<u>SE</u>
<u>PDI-075SC-B-10-12-191013</u>	<u>A0I0556-17</u>	<u>SE</u>
<u>PDI-075SC-B-12-14-191013</u>	<u>A0I0556-20</u>	<u>SE</u>
<u>PDI-078SC-A-07-08-200505</u>	<u>A0I0556-21</u>	<u>SE</u>
<u>PDI-079SC-B-06-08-191014</u>	<u>A0I0556-22</u>	<u>SE</u>
<u>PDI-083SC-A-08-09-191022</u>	<u>A0I0556-23</u>	<u>SE</u>
<u>PDI-083SC-A-09-10-191022</u>	<u>A0I0556-24</u>	<u>SE</u>
<u>PDI-083SC-B-10-12-191022</u>	<u>A0I0556-27</u>	<u>SE</u>
<u>PDI-083SC-A-14-15-191022</u>	<u>A0I0556-28</u>	<u>SE</u>
<u>PDI-171SC-A-01-02-200521</u>	<u>A0I0556-29</u>	<u>SE</u>
<u>PDI-171SC-A-02-03-200521</u>	<u>A0I0556-30</u>	<u>SE</u>
<u>PDI-171SC-A-03-04-200521</u>	<u>A0I0556-31</u>	<u>SE</u>
<u>PDI-171SC-A-04-05-200521</u>	<u>A0I0556-32</u>	<u>SE</u>
<u>PDI-171SC-A-05-06-200521</u>	<u>A0I0556-33</u>	<u>SE</u>
<u>PDI-171SC-A-06-07-200521</u>	<u>A0I0556-34</u>	<u>SE</u>
<u>PDI-173SC-A-01-02-200521</u>	<u>A0I0556-35</u>	<u>SE</u>
<u>PDI-173SC-A-02-03-200521</u>	<u>A0I0556-36</u>	<u>SE</u>
<u>PDI-173SC-A-03-04-200521</u>	<u>A0I0556-37</u>	<u>SE</u>
<u>PDI-174SC-A-01-02-200521</u>	<u>A0I0556-38</u>	<u>SE</u>
<u>PDI-174SC-A-02-03-200521</u>	<u>A0I0556-39</u>	<u>SE</u>
<u>PDI-018SC-A-00-01-190926</u>	<u>A0I0556-40</u>	<u>SE</u>
<u>PDI-018SC-A-01-02-190926</u>	<u>A0I0556-41</u>	<u>SE</u>
<u>PDI-018SC-A-02-03-190926</u>	<u>A0I0556-42</u>	<u>SE</u>
<u>PDI-018SC-A-03-04-190926</u>	<u>A0I0556-43</u>	<u>SE</u>
<u>PDI-018SC-A-04-05-190926</u>	<u>A0I0556-44</u>	<u>SE</u>
<u>PDI-018SC-A-05-06-190926</u>	<u>A0I0556-45</u>	<u>SE</u>

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

PDI-083SC-B-12-14-191022

A0I0556-48

SE

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: _____

11/11/2020 9:52AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
2,4'-DDD	0.500	1.00	ug/kg
2,4'-DDD [2C]	0.500	1.00	ug/kg
2,4'-DDE	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-048SC-A-08-11-200506

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>		
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>		
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-04RE1</u>	File ID: <u>ECD8-10062046.D</u>	
Sampled: <u>05/06/20 11:15</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 01:28</u>	
Solids: <u>56.43</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.3 g / 20 mL</u>	
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u>	Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	383	D
3424-82-6	2,4'-DDE	5	146	U
789-02-6	2,4'-DDT [2C]	5	91.2	U
72-54-8	4,4'-DDD	5	634	D
72-55-9	4,4'-DDE	5	119	U
50-29-3	4,4'-DDT [2C]	5	75.7	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	86.0	277	323	42 - 129	*
Decachlorobiphenyl (Surr) [2C]	86.0	171	199	55 - 130	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-069SC-B-08-10-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-07RE1</u>	File ID: <u>ECD8-10062050.D</u>
Sampled: <u>10/16/19 10:38</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 02:42</u>
Solids: <u>63.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.43 g / 20 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	15.2	U
3424-82-6	2,4'-DDE [2C]	5	30.3	U
789-02-6	2,4'-DDT [2C]	5	30.3	U
72-54-8	4,4'-DDD [2C]	5	30.3	U
72-55-9	4,4'-DDE	5	15.2	U
50-29-3	4,4'-DDT [2C]	5	31.8	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	75.8	95.5	126	42 - 129	
Decachlorobiphenyl (Surr)	75.8	86.1	114	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-069SC-A-10-11-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-08RE1</u>	File ID: <u>ECD8-10062052.D</u>
Sampled: <u>10/16/19 10:35</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 03:19</u>
Solids: <u>55.44</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.28 g / 20 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	5	17.5	U
3424-82-6	2,4'-DDE [2C]	5	17.5	U
789-02-6	2,4'-DDT [2C]	5	17.5	U
72-54-8	4,4'-DDD [2C]	5	17.5	U
72-55-9	4,4'-DDE [2C]	5	17.5	U
50-29-3	4,4'-DDT [2C]	5	17.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	87.7	87.6	100	42 - 129	
Decachlorobiphenyl (Surr)	87.7	92.1	105	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-073SC-A-08-09-191013

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-09RE1</u>	File ID: <u>ECD8-10072017.D</u>
Sampled: <u>10/13/19 10:41</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 16:07</u>
Solids: <u>63.74</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.4 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J07055</u>	Calibration: <u>A0G2005</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	5	7.54	U
3424-82-6	2,4'-DDE [2C]	5	7.54	U
789-02-6	2,4'-DDT [2C]	5	7.54	U
72-54-8	4,4'-DDD	5	7.54	U
72-55-9	4,4'-DDE [2C]	5	7.54	U
50-29-3	4,4'-DDT [2C]	5	15.1	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	75.4	62.4	83	42 - 129	
Decachlorobiphenyl (Surr) [2C]	75.4	94.8	126	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-073SC-A-09-10-191013

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-10RE1</u>	File ID: <u>ECD8-10072019.D</u>
Sampled: <u>10/13/19 10:41</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 16:44</u>
Solids: <u>62.36</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.17 g / 20 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J07055</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	24.0	U
3424-82-6	2,4'-DDE [2C]	2	12.6	U
789-02-6	2,4'-DDT [2C]	2	12.6	U
72-54-8	4,4'-DDD	2	12.6	U
72-55-9	4,4'-DDE	2	6.31	U
50-29-3	4,4'-DDT	2	47.9	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	78.8	58.5	74	42 - 129	
Decachlorobiphenyl (Surr) [2C]	78.8	89.2	113	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-073SC-A-10-11-191013

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-11RE1</u>	File ID: <u>ECD8-10062025.D</u>
Sampled: <u>10/13/19 10:41</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/06/20 19:05</u>
Solids: <u>65.44</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.59 g / 20 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	20.2	U
3424-82-6	2,4'-DDE	2	24.2	U
789-02-6	2,4'-DDT [2C]	2	28.9	U
72-54-8	4,4'-DDD	2	21.9	U
72-55-9	4,4'-DDE	2	31.2	U
50-29-3	4,4'-DDT	2	80.8	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	72.2	63.8	88	42 - 129	
Decachlorobiphenyl (Surr)	72.2	91.7	127	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-075SC-B-08-10-191013

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-14RE1</u>	File ID: <u>ECD8-10062027.D</u>
Sampled: <u>10/13/19 07:35</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/06/20 19:42</u>
Solids: <u>58.98</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.47 g / 20 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	6.48	U
3424-82-6	2,4'-DDE	2	6.48	U
789-02-6	2,4'-DDT [2C]	2	6.48	U
72-54-8	4,4'-DDD	2	6.48	U
72-55-9	4,4'-DDE	2	6.48	U
50-29-3	4,4'-DDT [2C]	2	13.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	81.0	76.9	95	42 - 129	
Decachlorobiphenyl (Surr)	81.0	77.8	96	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-075SC-B-10-12-191013

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-17RE1</u>	File ID: <u>ECD8-10062029.D</u>
Sampled: <u>10/13/19 07:35</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/06/20 20:19</u>
Solids: <u>58.70</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.46 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	3.26	U
3424-82-6	2,4'-DDE	2	3.26	U
789-02-6	2,4'-DDT [2C]	2	3.26	U
72-54-8	4,4'-DDD [2C]	2	3.26	U
72-55-9	4,4'-DDE [2C]	2	3.26	U
50-29-3	4,4'-DDT [2C]	2	3.26	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	81.4	75.2	92	42 - 129	
Decachlorobiphenyl (Surr) [2C]	81.4	82.7	102	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-075SC-B-12-14-191013

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-20RE1</u>	File ID: <u>ECD8-10062034.D</u>
Sampled: <u>10/13/19 07:35</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/06/20 21:46</u>
Solids: <u>63.61</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.5 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	2.99	U
3424-82-6	2,4'-DDE	2	2.99	U
789-02-6	2,4'-DDT	2	2.99	U
72-54-8	4,4'-DDD	2	2.99	U
72-55-9	4,4'-DDE	2	2.99	U
50-29-3	4,4'-DDT	2	2.99	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	74.9	69.0	92	42 - 129	
Decachlorobiphenyl (Surr) [2C]	74.9	86.0	115	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-078SC-A-07-08-200505

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-21RE1</u>	File ID: <u>ECD8-10062036.D</u>
Sampled: <u>05/05/20 10:50</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/06/20 22:23</u>
Solids: <u>60.71</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.52 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	317	D
3424-82-6	2,4'-DDE	2	108	D
789-02-6	2,4'-DDT [2C]	2	14.1	U
72-55-9	4,4'-DDE	2	89.9	D
50-29-3	4,4'-DDT [2C]	2	569	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	78.3	78.5	100	42 - 129	
Decachlorobiphenyl (Surr)	78.3	85.0	109	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-078SC-A-07-08-200505

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-21RE2</u>	File ID: <u>ECD8-10072023.D</u>
Sampled: <u>05/05/20 10:50</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 17:58</u>
Solids: <u>60.71</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.52 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J07055</u>	Calibration: <u>A0G2005</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-54-8	4,4'-DDD	10	791	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	78.3	70.3	90	42 - 129	
Decachlorobiphenyl (Surr)	78.3	86.1	110	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-079SC-B-06-08-191014

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-22RE1</u>	File ID: <u>ECD8-10062038.D</u>
Sampled: <u>10/14/19 13:15</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/06/20 23:00</u>
Solids: <u>62.18</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.34 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	6.22	U
3424-82-6	2,4'-DDE [2C]	2	6.22	U
789-02-6	2,4'-DDT	2	6.84	U
72-54-8	4,4'-DDD [2C]	2	15.2	D
72-55-9	4,4'-DDE	2	6.53	U
50-29-3	4,4'-DDT [2C]	2	6.22	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	77.8	72.4	93	42 - 129	
Decachlorobiphenyl (Surr) [2C]	77.8	101	129	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-A-08-09-191022

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-23RE1</u>	File ID: <u>ECD8-10062040.D</u>
Sampled: <u>10/22/19 14:07</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/06/20 23:37</u>
Solids: <u>54.54</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.2 g / 20 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	27.5	D
3424-82-6	2,4'-DDE [2C]	2	14.4	U
789-02-6	2,4'-DDT [2C]	2	7.19	U
72-54-8	4,4'-DDD	2	34.5	D
72-55-9	4,4'-DDE	2	14.4	U
50-29-3	4,4'-DDT [2C]	2	14.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	89.9	78.9	88	42 - 129	
Decachlorobiphenyl (Surr)	89.9	95.8	107	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-A-09-10-191022

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-24RE1</u>	File ID: <u>ECD8-10062042.D</u>
Sampled: <u>10/22/19 14:07</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 00:14</u>
Solids: <u>56.55</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.66 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	3.32	U
3424-82-6	2,4'-DDE [2C]	2	3.32	U
789-02-6	2,4'-DDT [2C]	2	3.32	U
72-54-8	4,4'-DDD [2C]	2	3.32	U
72-55-9	4,4'-DDE [2C]	2	3.32	U
50-29-3	4,4'-DDT	2	3.32	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	82.9	61.7	74	42 - 129	
Decachlorobiphenyl (Surr) [2C]	82.9	97.7	118	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-B-10-12-191022

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-27RE2</u>	File ID: <u>ECD8-10072021.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 17:21</u>
Solids: <u>56.64</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.35 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J07055</u>	Calibration: <u>A0G2005</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	8.53	U
3424-82-6	2,4'-DDE [2C]	5	8.53	U
789-02-6	2,4'-DDT [2C]	5	8.53	U
72-54-8	4,4'-DDD	5	8.53	U
72-55-9	4,4'-DDE [2C]	5	8.53	U
50-29-3	4,4'-DDT [2C]	5	8.53	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	85.3	65.9	77	42 - 129	
Decachlorobiphenyl (Surr) [2C]	85.3	98.5	116	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-A-14-15-191022

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-28RE1</u>	File ID: <u>ECD8-10062044.D</u>
Sampled: <u>10/22/19 14:07</u>	Prepared: <u>10/02/20 10:19</u>	Analyzed: <u>10/07/20 00:51</u>
Solids: <u>58.50</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.16 g / 10 mL</u>
Batch: <u>0100091</u>	Sequence: <u>0J06051</u>	Calibration: <u>A0G2005</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	3.37	U
3424-82-6	2,4'-DDE [2C]	2	3.37	U
789-02-6	2,4'-DDT [2C]	2	3.37	U
72-54-8	4,4'-DDD [2C]	2	3.37	U
72-55-9	4,4'-DDE	2	3.37	U
50-29-3	4,4'-DDT [2C]	2	3.37	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	84.1	63.4	75	42 - 129	
Decachlorobiphenyl (Surr) [2C]	84.1	102	121	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-171SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-29RE1</u>	File ID: <u>ECD8-09292009.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 13:41</u>
Solids: <u>54.43</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.61 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	26.8	U
3424-82-6	2,4'-DDE	1	5.37	U
789-02-6	2,4'-DDT	1	8.66	U
72-54-8	4,4'-DDD [2C]	1	4.33	U
72-55-9	4,4'-DDE [2C]	1	3.46	U
50-29-3	4,4'-DDT	1	27.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	86.6	64.4	74	42 - 129	
Decachlorobiphenyl (Surr) [2C]	86.6	78.0	90	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-171SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-30RE1</u>	File ID: <u>ECD8-09292011.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 14:14</u>
Solids: <u>43.04</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.19 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	5.02	U
3424-82-6	2,4'-DDE	1	4.79	U
789-02-6	2,4'-DDT	1	4.79	U
72-54-8	4,4'-DDD [2C]	1	8.00	
72-55-9	4,4'-DDE [2C]	1	4.56	U
50-29-3	4,4'-DDT [2C]	1	4.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	114	77.5	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	114	108	94	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-171SC-A-03-04-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-31RE1</u>	File ID: <u>ECD8-09292012.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 14:31</u>
Solids: <u>56.27</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.21 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	3.48	U
3424-82-6	2,4'-DDE	1	1.74	U
789-02-6	2,4'-DDT	1	1.74	U
72-54-8	4,4'-DDD	1	3.17	J
72-55-9	4,4'-DDE	1	1.74	U
50-29-3	4,4'-DDT [2C]	1	1.74	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	87.0	41.6	48	42 - 129	
Decachlorobiphenyl (Surr) [2C]	87.0	74.8	86	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-171SC-A-04-05-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-32RE1</u>	File ID: <u>ECD8-09292022.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 17:17</u>
Solids: <u>57.73</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.66 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	4.87	U
3424-82-6	2,4'-DDE	1	3.25	U
789-02-6	2,4'-DDT [2C]	1	3.25	U
72-54-8	4,4'-DDD [2C]	1	10.6	
72-55-9	4,4'-DDE	1	3.57	U
50-29-3	4,4'-DDT [2C]	1	3.25	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	57.7	71	42 - 129	
Decachlorobiphenyl (Surr) [2C]	81.2	79.7	98	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-171SC-A-05-06-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-33RE1</u>	File ID: <u>ECD8-09292021.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 17:01</u>
Solids: <u>68.56</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.17 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	2.87	U
3424-82-6	2,4'-DDE [2C]	1	1.43	U
789-02-6	2,4'-DDT [2C]	1	1.43	U
72-54-8	4,4'-DDD	1	5.35	
72-55-9	4,4'-DDE	1	1.65	J
50-29-3	4,4'-DDT [2C]	1	2.87	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	71.7	42.7	60	42 - 129	
Decachlorobiphenyl (Surr) [2C]	71.7	66.8	93	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-171SC-A-06-07-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-34RE1</u>	File ID: <u>ECD8-09292023.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 17:34</u>
Solids: <u>67.52</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.25 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	15.1	
3424-82-6	2,4'-DDE	1	3.61	U
789-02-6	2,4'-DDT [2C]	1	3.03	U
72-54-8	4,4'-DDD	1	33.4	
72-55-9	4,4'-DDE	1	4.33	U
50-29-3	4,4'-DDT [2C]	1	5.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	72.2	49.4	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	72.2	80.4	111	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-173SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-35RE1</u>	File ID: <u>ECD8-09292013.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 14:48</u>
Solids: <u>77.41</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.48 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.23	U
3424-82-6	2,4'-DDE [2C]	1	1.23	U
789-02-6	2,4'-DDT [2C]	1	1.23	U
72-54-8	4,4'-DDD [2C]	1	1.23	U
72-55-9	4,4'-DDE [2C]	1	1.23	U
50-29-3	4,4'-DDT [2C]	1	1.23	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	61.6	32.6	53	42 - 129	
Decachlorobiphenyl (Surr) [2C]	61.6	56.0	91	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-173SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-36RE1</u>	File ID: <u>ECD8-09292014.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 15:04</u>
Solids: <u>74.97</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.42 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.28	U
3424-82-6	2,4'-DDE [2C]	1	1.28	U
789-02-6	2,4'-DDT [2C]	1	1.28	U
72-54-8	4,4'-DDD [2C]	1	1.28	U
72-55-9	4,4'-DDE [2C]	1	1.28	U
50-29-3	4,4'-DDT [2C]	1	1.28	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	64.0	47.5	74	42 - 129	
Decachlorobiphenyl (Surr) [2C]	64.0	57.6	90	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-173SC-A-03-04-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-37RE1</u>	File ID: <u>ECD8-09292020.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 16:44</u>
Solids: <u>69.06</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.09 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	2.87	U
3424-82-6	2,4'-DDE	1	1.44	U
789-02-6	2,4'-DDT [2C]	1	1.44	U
72-54-8	4,4'-DDD	1	4.28	
72-55-9	4,4'-DDE [2C]	1	1.48	J
50-29-3	4,4'-DDT [2C]	1	1.44	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	71.8	43.7	61	42 - 129	
Decachlorobiphenyl (Surr) [2C]	71.8	75.6	105	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-174SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-38RE1</u>	File ID: <u>ECD8-09292016.D</u>
Sampled: <u>05/21/20 12:10</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 15:37</u>
Solids: <u>76.82</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.12 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</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]	64.3	33.2	52	42 - 129	
Decachlorobiphenyl (Surr) [2C]	64.3	63.8	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-174SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-39RE1</u>	File ID: <u>ECD8-09292015.D</u>
Sampled: <u>05/21/20 12:10</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 15:21</u>
Solids: <u>76.31</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.04 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.31	U
3424-82-6	2,4'-DDE	1	1.31	U
789-02-6	2,4'-DDT	1	1.31	U
72-54-8	4,4'-DDD [2C]	1	1.31	U
72-55-9	4,4'-DDE [2C]	1	1.31	U
50-29-3	4,4'-DDT	1	2.61	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.3	43.0	66	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.3	64.1	98	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-018SC-A-00-01-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-40RE1</u>	File ID: <u>ECD8-09292025.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 18:11</u>
Solids: <u>87.25</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.19 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	4.72	U
3424-82-6	2,4'-DDE	2	2.25	U
789-02-6	2,4'-DDT [2C]	2	2.25	U
72-54-8	4,4'-DDD	2	61.2	D
72-55-9	4,4'-DDE	2	3.80	JD
50-29-3	4,4'-DDT [2C]	2	4.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	56.2	42.9	76	42 - 129	
Decachlorobiphenyl (Surr) [2C]	56.2	71.0	126	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-018SC-A-01-02-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-41RE1</u>	File ID: <u>ECD8-09302010.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/29/20 10:55</u>	Analyzed: <u>09/30/20 15:57</u>
Solids: <u>86.51</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.18 g / 20 mL</u>
Batch: <u>0090860</u>	Sequence: <u>0I30064</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	4.54	U
3424-82-6	2,4'-DDE [2C]	2	4.54	U
789-02-6	2,4'-DDT [2C]	2	4.54	U
72-54-8	4,4'-DDD [2C]	2	4.54	U
72-55-9	4,4'-DDE [2C]	2	4.54	U
50-29-3	4,4'-DDT [2C]	2	4.54	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	56.8	38.1	67	42 - 129	
Decachlorobiphenyl (Surr) [2C]	56.8	59.0	104	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-018SC-A-02-03-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-42RE1</u>	File ID: <u>ECD8-09292027.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 18:48</u>
Solids: <u>71.25</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10 g / 10 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	2.81	U
3424-82-6	2,4'-DDE	2	2.81	U
789-02-6	2,4'-DDT [2C]	2	2.81	U
72-54-8	4,4'-DDD [2C]	2	2.81	U
72-55-9	4,4'-DDE [2C]	2	2.81	U
50-29-3	4,4'-DDT [2C]	2	5.61	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	70.2	50.5	72	42 - 129	
Decachlorobiphenyl (Surr) [2C]	70.2	76.3	109	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-018SC-A-03-04-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-43RE1</u>	File ID: <u>ECD8-09292029.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 19:25</u>
Solids: <u>67.51</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.06 g / 20 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	5.89	U
3424-82-6	2,4'-DDE	2	5.89	U
789-02-6	2,4'-DDT [2C]	2	5.89	U
72-54-8	4,4'-DDD	2	5.89	U
72-55-9	4,4'-DDE [2C]	2	5.89	U
50-29-3	4,4'-DDT [2C]	2	20.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	73.6	59.0	80	42 - 129	
Decachlorobiphenyl (Surr)	73.6	72.9	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-018SC-A-04-05-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-44RE1</u>	File ID: <u>ECD8-09292031.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 20:02</u>
Solids: <u>70.49</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.05 g / 20 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	5.65	U
3424-82-6	2,4'-DDE [2C]	2	5.65	U
789-02-6	2,4'-DDT [2C]	2	5.65	U
72-54-8	4,4'-DDD [2C]	2	5.65	U
72-55-9	4,4'-DDE [2C]	2	5.65	U
50-29-3	4,4'-DDT [2C]	2	11.3	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	70.6	68.2	97	42 - 129	
Decachlorobiphenyl (Surr) [2C]	70.6	91.6	130	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-018SC-A-05-06-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-45RE1</u>	File ID: <u>ECD8-09292033.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 07:06</u>	Analyzed: <u>09/29/20 20:39</u>
Solids: <u>72.56</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.59 g / 20 mL</u>
Batch: <u>0090807</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	5.21	U
3424-82-6	2,4'-DDE [2C]	2	5.21	U
789-02-6	2,4'-DDT [2C]	2	5.21	U
72-54-8	4,4'-DDD [2C]	2	5.21	U
72-55-9	4,4'-DDE [2C]	2	5.21	U
50-29-3	4,4'-DDT [2C]	2	10.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.1	47.4	73	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.1	64.6	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-B-12-14-191022

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-48RE1</u>	File ID: <u>ECD8-10022014.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>10/01/20 07:03</u>	Analyzed: <u>10/02/20 15:25</u>
Solids: <u>57.87</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.53 g / 20 mL</u>
Batch: <u>0100038</u>	Sequence: <u>0J02031</u>	Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	6.56	U
3424-82-6	2,4'-DDE [2C]	1	6.56	U
789-02-6	2,4'-DDT [2C]	1	6.56	U
72-54-8	4,4'-DDD [2C]	1	3.28	U
72-55-9	4,4'-DDE [2C]	1	6.56	U
50-29-3	4,4'-DDT [2C]	1	6.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	82.1	49.0	60	42 - 129	
Decachlorobiphenyl (Surr) [2C]	82.1	77.5	94	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090807

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0090807-BLK1	ECD8-09292007.D	09/25/20 07:06	
LCS	0090807-BS1	ECD8-09292008.D	09/25/20 07:06	
PDI-171SC-A-01-02-200521 (Dup)	0090807-DUP1	ECD8-09292010.D	09/25/20 07:06	
PDI-018SC-A-05-06-190926 (MS)	0090807-MS1	ECD8-09292035.D	09/25/20 07:06	
PDI-171SC-A-01-02-200521	A0I0556-29RE1	ECD8-09292009.D	09/25/20 07:06	
PDI-171SC-A-02-03-200521	A0I0556-30RE1	ECD8-09292011.D	09/25/20 07:06	
PDI-171SC-A-03-04-200521	A0I0556-31RE1	ECD8-09292012.D	09/25/20 07:06	
PDI-171SC-A-04-05-200521	A0I0556-32RE1	ECD8-09292022.D	09/25/20 07:06	
PDI-171SC-A-05-06-200521	A0I0556-33RE1	ECD8-09292021.D	09/25/20 07:06	
PDI-171SC-A-06-07-200521	A0I0556-34RE1	ECD8-09292023.D	09/25/20 07:06	
PDI-173SC-A-01-02-200521	A0I0556-35RE1	ECD8-09292013.D	09/25/20 07:06	
PDI-173SC-A-02-03-200521	A0I0556-36RE1	ECD8-09292014.D	09/25/20 07:06	
PDI-173SC-A-03-04-200521	A0I0556-37RE1	ECD8-09292020.D	09/25/20 07:06	
PDI-174SC-A-01-02-200521	A0I0556-38RE1	ECD8-09292016.D	09/25/20 07:06	
PDI-174SC-A-02-03-200521	A0I0556-39RE1	ECD8-09292015.D	09/25/20 07:06	
PDI-018SC-A-00-01-190926	A0I0556-40RE1	ECD8-09292025.D	09/25/20 07:06	
PDI-018SC-A-02-03-190926	A0I0556-42RE1	ECD8-09292027.D	09/25/20 07:06	
PDI-018SC-A-03-04-190926	A0I0556-43RE1	ECD8-09292029.D	09/25/20 07:06	
PDI-018SC-A-04-05-190926	A0I0556-44RE1	ECD8-09292031.D	09/25/20 07:06	
PDI-018SC-A-05-06-190926	A0I0556-45RE1	ECD8-09292033.D	09/25/20 07:06	

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

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

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090860

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0090860-BLK1	ECD8-09302007.D	09/29/20 10:55	
LCS	0090860-BS1	ECD8-09302008.D	09/29/20 10:55	
LCS	0090860-BS2	ECD8-09302009.D	09/29/20 10:56	
PDI-018SC-A-01-02-190926	A0I0556-41RE1	ECD8-09302010.D	09/29/20 10:55	

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.

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0100038

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100038-BLK1	ECD8-10022011.D	10/01/20 07:03	
LCS	0100038-BS1	ECD8-10022012.D	10/01/20 07:03	
LCS	0100038-BS2	ECD8-10022013.D	10/01/20 07:03	
PDI-083SC-B-12-14-191022 (Dup)	0100038-DUP1	ECD8-10022015.D	10/01/20 07:03	
PDI-083SC-B-12-14-191022	A0I0556-48RE1	ECD8-10022014.D	10/01/20 07:03	

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

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

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0100091

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100091-BLK1	ECD8-10052011.D	10/02/20 10:19	
LCS	0100091-BS1	ECD8-10052012.D	10/02/20 10:19	
PDI-048SC-A-08-11-200506 (Dup)	0100091-DUP1	ECD8-10062048.D	10/02/20 10:19	
PDI-048SC-A-08-11-200506	A0I0556-04RE1	ECD8-10062046.D	10/02/20 10:19	
PDI-069SC-B-08-10-191016	A0I0556-07RE1	ECD8-10062050.D	10/02/20 10:19	
PDI-069SC-A-10-11-191016	A0I0556-08RE1	ECD8-10062052.D	10/02/20 10:19	
PDI-073SC-A-08-09-191013	A0I0556-09RE1	ECD8-10072017.D	10/02/20 10:19	
PDI-073SC-A-09-10-191013	A0I0556-10RE1	ECD8-10072019.D	10/02/20 10:19	
PDI-073SC-A-10-11-191013	A0I0556-11RE1	ECD8-10062025.D	10/02/20 10:19	
PDI-075SC-B-08-10-191013	A0I0556-14RE1	ECD8-10062027.D	10/02/20 10:19	
PDI-075SC-B-10-12-191013	A0I0556-17RE1	ECD8-10062029.D	10/02/20 10:19	
PDI-075SC-B-12-14-191013	A0I0556-20RE1	ECD8-10062034.D	10/02/20 10:19	
PDI-078SC-A-07-08-200505	A0I0556-21RE1	ECD8-10062036.D	10/02/20 10:19	
PDI-078SC-A-07-08-200505	A0I0556-21RE2	ECD8-10072023.D	10/02/20 10:19	
PDI-079SC-B-06-08-191014	A0I0556-22RE1	ECD8-10062038.D	10/02/20 10:19	
PDI-083SC-A-08-09-191022	A0I0556-23RE1	ECD8-10062040.D	10/02/20 10:19	
PDI-083SC-A-09-10-191022	A0I0556-24RE1	ECD8-10062042.D	10/02/20 10:19	
PDI-083SC-B-10-12-191022	A0I0556-27RE2	ECD8-10072021.D	10/02/20 10:19	
PDI-083SC-A-14-15-191022	A0I0556-28RE1	ECD8-10062044.D	10/02/20 10:19	

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>A0I0556</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Client: <u>Anchor QEA, LLC</u>	Laboratory ID: <u>0090807-BLK1</u>	File ID: <u>ECD8-09292007.D</u>
Matrix: <u>Sediment</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>11 g / 10 mL</u>
Prepared: <u>09/25/20 07:06</u>	Instrument: <u>DUALECD8</u>	
Analyzed: <u>09/29/20 13:08</u>	Sequence: <u>0I29052</u>	Calibration: <u>A0G2005</u>
Batch: <u>0090807</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	25.6	56	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	42.5	94	55 - 130	

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</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>0090860-BLK1</u>	File ID: <u>ECD8-09302007.D</u>
Prepared: <u>09/29/20 10:55</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>09/30/20 15:07</u>	Instrument: <u>DUALECD8</u>	
Batch: <u>0090860</u>	Sequence: <u>0I30064</u>	Calibration: <u>A0G2005</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	31.0	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	44.2	97	55 - 130	

METHOD BLANK DATA SHEET
EPA 8081B

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>A0I0556</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>0100038-BLK1</u>	File ID:	<u>ECD8-10022011.D</u>
Prepared:	<u>10/01/20 07:03</u>	Preparation:	<u>EPA 3546/3640A (GPC)</u>	Initial/Final:	<u>11 g / 10 mL</u>
Analyzed:	<u>10/02/20 14:35</u>	Instrument:	<u>DUALECD8</u>		
Batch:	<u>0100038</u>	Sequence:	<u>0J02031</u>	Calibration:	<u>A0G2005</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	26.1	57	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	42.4	93	55 - 130	

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Matrix: Sediment Laboratory ID: 0100091-BLK1 File ID: ECD8-10052011.D
Prepared: 10/02/20 10:19 Preparation: EPA 3546 Initial/Final: 11 g / 10 mL
Analyzed: 10/05/20 16:28 Instrument: DUALECD8
Batch: 0100091 Sequence: 0J05048 Calibration: A0G2005

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	29.4	65	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	47.0	103	55 - 130	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090807

Laboratory ID: 0090807-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	48.0	96	50 - 150
2,4'-DDE [2C]	50.0	39.6	79	50 - 150
2,4'-DDT [2C]	50.0	50.0	100	50 - 150
4,4'-DDD [2C]	50.0	45.4	91	50 - 150
4,4'-DDE [2C]	50.0	44.4	89	50 - 150
4,4'-DDT [2C]	50.0	47.8	96	50 - 150

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090860

Laboratory ID: 0090860-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.
4,4'-DDD [2C]	50.0	47.4	95	50 - 150
4,4'-DDE [2C]	50.0	46.4	93	50 - 150
4,4'-DDT [2C]	50.0	53.0	106	50 - 150

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix: Sediment
Batch: 0090860 Laboratory ID: 0090860-BS2
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	46.0	92	50 - 150
2,4'-DDE [2C]	50.0	42.0	84	50 - 150
2,4'-DDT [2C]	50.0	50.4	101	50 - 150

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0100038

Laboratory ID: 0100038-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.
4,4'-DDD [2C]	50.0	45.9	92	50 - 150
4,4'-DDE [2C]	50.0	39.8	80	50 - 150
4,4'-DDT [2C]	50.0	53.6	107	50 - 150

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0100038

Laboratory ID: 0100038-BS2

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	44.2	88	50 - 150
2,4'-DDE [2C]	50.0	37.4	75	50 - 150
2,4'-DDT [2C]	50.0	46.9	94	50 - 150

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0100091

Laboratory ID: 0100091-BS1

Preparation: EPA 3546

Initial/Final: 10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	44.3	89	58 - 128
2,4'-DDE [2C]	50.0	42.9	86	50 - 125
2,4'-DDT [2C]	50.0	50.9	102	66 - 145
4,4'-DDD [2C]	50.0	41.4	83	56 - 139
4,4'-DDE [2C]	50.0	41.9	84	56 - 134
4,4'-DDT [2C]	50.0	50.1	100	50 - 141

* = Values outside of QC limits

DUPLICATES

PDI-171SC-A-01-02-200521

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090807-DUP1

Batch: 0090807

Lab Source ID: A0I0556-29RE1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.62 g / 10 mL

Source Sample Name: PDI-171SC-A-01-02-200521

% Solids: 54.43

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
2,4'-DDD [2C]	30	26.7		ND				EPA 8081B
2,4'-DDE	30	5.30		ND				EPA 8081B
2,4'-DDT	30	8.47		ND				EPA 8081B
4,4'-DDD [2C]	30	4.22		ND				EPA 8081B
4,4'-DDE [2C]	30	3.12		ND				EPA 8081B
4,4'-DDT	30	27.1		ND				EPA 8081B

* Values outside of QC limits

DUPLICATES

PDI-083SC-B-12-14-191022

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0100038-DUP1

Batch: 0100038

Lab Source ID: A0I0556-48RE1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.57 g / 20 mL

Source Sample Name: PDI-083SC-B-12-14-191022

% Solids: 57.87

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
2,4'-DDD [2C]	30	6.04		ND				EPA 8081B
2,4'-DDE [2C]	30	6.40		ND				EPA 8081B
2,4'-DDT [2C]	30	4.60		ND				EPA 8081B
4,4'-DDD [2C]	30	2.95		ND				EPA 8081B
4,4'-DDE [2C]	30	4.43		ND				EPA 8081B
4,4'-DDT [2C]	30	4.33		ND				EPA 8081B

* Values outside of QC limits

DUPLICATES

PDI-048SC-A-08-11-200506

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0100091-DUP1

Batch: 0100091

Lab Source ID: A0I0556-04RE1

Preparation: EPA 3546

Initial/Final: 10.28 g / 20 mL

Source Sample Name: PDI-048SC-A-08-11-200506

% Solids: 56.43

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
2,4'-DDD [2C]	30	383		358		7		EPA 8081B
2,4'-DDE	30	145		ND				EPA 8081B
2,4'-DDT [2C]	30	89.5		ND				EPA 8081B
4,4'-DDD	30	634		597		6		EPA 8081B
4,4'-DDE	30	118		ND				EPA 8081B
4,4'-DDT [2C]	30	75.4		ND				EPA 8081B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**PDI-018SC-A-05-06-190926****EPA 8081B**

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix: Sediment
Batch: 0090807 Laboratory ID: 0090807-MS1
Preparation: EPA 3546/3640A (GPC) Initial/Final: 10.6 g / 20 mL
Source Sample Name: PDI-018SC-A-05-06-190926

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD	65.0	ND	66.9	103	50 - 150
2,4'-DDE [2C]	65.0	ND	64.4	99	50 - 150
2,4'-DDT [2C]	65.0	ND	73.3	113	50 - 150
4,4'-DDD [2C]	65.0	ND	71.5	110	50 - 150
4,4'-DDE [2C]	65.0	ND	67.4	104	50 - 150
4,4'-DDT [2C]	65.0	ND	69.6	107	50 - 150

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0G17041</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0G17041-ICB1	ECD8-07172005.D	07/17/20 18:08
Cal Standard	0G17041-CAL1	ECD8-07172006.D	07/17/20 18:24
Cal Standard	0G17041-CAL2	ECD8-07172007.D	07/17/20 18:41
Cal Standard	0G17041-CAL3	ECD8-07172008.D	07/17/20 18:57
Cal Standard	0G17041-CAL4	ECD8-07172009.D	07/17/20 19:14
Cal Standard	0G17041-CAL5	ECD8-07172010.D	07/17/20 19:30
Cal Standard	0G17041-CAL6	ECD8-07172011.D	07/17/20 19:47
Cal Standard	0G17041-CAL7	ECD8-07172012.D	07/17/20 20:03
Cal Standard	0G17041-CAL8	ECD8-07172013.D	07/17/20 20:20
Cal Standard	0G17041-CAL9	ECD8-07172014.D	07/17/20 20:37
Initial Cal Check	0G17041-ICV1	ECD8-07172016.D	07/17/20 21:10
Cal Standard	0G17041-CALA	ECD8-07172017.D	07/17/20 21:26
Cal Standard	0G17041-CALB	ECD8-07172018.D	07/17/20 21:43
Cal Standard	0G17041-CALC	ECD8-07172019.D	07/17/20 21:59
Cal Standard	0G17041-CALE	ECD8-07172021.D	07/17/20 22:32
Cal Standard	0G17041-CALF	ECD8-07172022.D	07/17/20 22:49
Cal Standard	0G17041-CALG	ECD8-07172023.D	07/17/20 23:05
Cal Standard	0G17041-CALH	ECD8-07172024.D	07/17/20 23:22
Cal Standard	0G17041-CALI	ECD8-07172025.D	07/17/20 23:38
Initial Cal Check	0G17041-ICV2	ECD8-07172027.D	07/18/20 00:11

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: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0I29052

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0G2005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0I29052-CCV1	ECD8-09292004.D	09/29/20 12:18
Calibration Check	0I29052-CCV2	ECD8-09292005.D	09/29/20 12:35
Calibration Blank	0I29052-CCB1	ECD8-09292006.D	09/29/20 12:51
Blank	0090807-BLK1	ECD8-09292007.D	09/29/20 13:08
LCS	0090807-BS1	ECD8-09292008.D	09/29/20 13:25
PDI-171SC-A-01-02-200521	A0I0556-29RE1	ECD8-09292009.D	09/29/20 13:41
PDI-171SC-A-01-02-200521 (Dup)	0090807-DUP1	ECD8-09292010.D	09/29/20 13:58
PDI-171SC-A-02-03-200521	A0I0556-30RE1	ECD8-09292011.D	09/29/20 14:14
PDI-171SC-A-03-04-200521	A0I0556-31RE1	ECD8-09292012.D	09/29/20 14:31
PDI-173SC-A-01-02-200521	A0I0556-35RE1	ECD8-09292013.D	09/29/20 14:48
PDI-173SC-A-02-03-200521	A0I0556-36RE1	ECD8-09292014.D	09/29/20 15:04
PDI-174SC-A-02-03-200521	A0I0556-39RE1	ECD8-09292015.D	09/29/20 15:21
PDI-174SC-A-01-02-200521	A0I0556-38RE1	ECD8-09292016.D	09/29/20 15:37
Calibration Check	0I29052-CCV3	ECD8-09292017.D	09/29/20 15:54
Calibration Check	0I29052-CCV4	ECD8-09292018.D	09/29/20 16:11
Calibration Blank	0I29052-CCB2	ECD8-09292019.D	09/29/20 16:27
PDI-173SC-A-03-04-200521	A0I0556-37RE1	ECD8-09292020.D	09/29/20 16:44
PDI-171SC-A-05-06-200521	A0I0556-33RE1	ECD8-09292021.D	09/29/20 17:01
PDI-171SC-A-04-05-200521	A0I0556-32RE1	ECD8-09292022.D	09/29/20 17:17
PDI-171SC-A-06-07-200521	A0I0556-34RE1	ECD8-09292023.D	09/29/20 17:34
PDI-018SC-A-00-01-190926	A0I0556-40RE1	ECD8-09292025.D	09/29/20 18:11
PDI-018SC-A-02-03-190926	A0I0556-42RE1	ECD8-09292027.D	09/29/20 18:48
PDI-018SC-A-03-04-190926	A0I0556-43RE1	ECD8-09292029.D	09/29/20 19:25
PDI-018SC-A-04-05-190926	A0I0556-44RE1	ECD8-09292031.D	09/29/20 20:02
PDI-018SC-A-05-06-190926	A0I0556-45RE1	ECD8-09292033.D	09/29/20 20:39
PDI-018SC-A-05-06-190926 (MS)	0090807-MS1	ECD8-09292035.D	09/29/20 21:16
Calibration Check	0I29052-CCV5	ECD8-09292037.D	09/29/20 21:53
Calibration Check	0I29052-CCV6	ECD8-09292038.D	09/29/20 22:09
Calibration Blank	0I29052-CCB3	ECD8-09292039.D	09/29/20 22:26

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0I30064

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0G2005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0I30064-CCV1	ECD8-09302004.D	09/30/20 14:17
Calibration Check	0I30064-CCV2	ECD8-09302005.D	09/30/20 14:34
Calibration Blank	0I30064-CCB1	ECD8-09302006.D	09/30/20 14:50
Blank	0090860-BLK1	ECD8-09302007.D	09/30/20 15:07
LCS	0090860-BS1	ECD8-09302008.D	09/30/20 15:23
LCS	0090860-BS2	ECD8-09302009.D	09/30/20 15:40
PDI-018SC-A-01-02-190926	A0I0556-41RE1	ECD8-09302010.D	09/30/20 15:57
Calibration Check	0I30064-CCV3	ECD8-09302016.D	09/30/20 17:36
Calibration Check	0I30064-CCV4	ECD8-09302017.D	09/30/20 17:53
Calibration Blank	0I30064-CCB2	ECD8-09302018.D	09/30/20 18:09

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0J02031</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J02031-CCV3	ECD8-10022008.D	10/02/20 13:45
Calibration Check	0J02031-CCV4	ECD8-10022009.D	10/02/20 14:02
Calibration Blank	0J02031-CCB1	ECD8-10022010.D	10/02/20 14:18
Blank	0100038-BLK1	ECD8-10022011.D	10/02/20 14:35
LCS	0100038-BS1	ECD8-10022012.D	10/02/20 14:52
LCS	0100038-BS2	ECD8-10022013.D	10/02/20 15:08
PDI-083SC-B-12-14-191022	A0I0556-48RE1	ECD8-10022014.D	10/02/20 15:25
PDI-083SC-B-12-14-191022 (Dup)	0100038-DUP1	ECD8-10022015.D	10/02/20 15:41
Calibration Check	0J02031-CCV5	ECD8-10022019.D	10/02/20 16:48
Calibration Check	0J02031-CCV6	ECD8-10022020.D	10/02/20 17:04
Calibration Blank	0J02031-CCB2	ECD8-10022021.D	10/02/20 17:21
Calibration Check	0J02031-CCV7	ECD8-10022025.D	10/02/20 18:31
Calibration Check	0J02031-CCV8	ECD8-10022026.D	10/02/20 18:48
Calibration Blank	0J02031-CCB3	ECD8-10022027.D	10/02/20 19:04

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: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0J05048

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0G2005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J05048-CCV3	ECD8-10052008.D	10/05/20 15:38
Calibration Check	0J05048-CCV4	ECD8-10052009.D	10/05/20 15:55
Calibration Blank	0J05048-CCB1	ECD8-10052010.D	10/05/20 16:12
Blank	0100091-BLK1	ECD8-10052011.D	10/05/20 16:28
LCS	0100091-BS1	ECD8-10052012.D	10/05/20 16:45
Calibration Check	0J05048-CCV5	ECD8-10052018.D	10/05/20 18:24
Calibration Check	0J05048-CCV6	ECD8-10052019.D	10/05/20 18:41
Calibration Blank	0J05048-CCB2	ECD8-10052020.D	10/05/20 18:57

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: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0J06051

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0G2005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J06051-CCV5	ECD8-10062015.D	10/06/20 16:19
Calibration Check	0J06051-CCV6	ECD8-10062016.D	10/06/20 16:35
Calibration Blank	0J06051-CCB1	ECD8-10062017.D	10/06/20 16:52
PDI-073SC-A-10-11-191013	A0I0556-11RE1	ECD8-10062025.D	10/06/20 19:05
PDI-075SC-B-08-10-191013	A0I0556-14RE1	ECD8-10062027.D	10/06/20 19:42
PDI-075SC-B-10-12-191013	A0I0556-17RE1	ECD8-10062029.D	10/06/20 20:19
Calibration Check	0J06051-CCV7	ECD8-10062031.D	10/06/20 20:56
Calibration Check	0J06051-CCV8	ECD8-10062032.D	10/06/20 21:13
Calibration Blank	0J06051-CCB2	ECD8-10062033.D	10/06/20 21:29
PDI-075SC-B-12-14-191013	A0I0556-20RE1	ECD8-10062034.D	10/06/20 21:46
PDI-078SC-A-07-08-200505	A0I0556-21RE1	ECD8-10062036.D	10/06/20 22:23
PDI-079SC-B-06-08-191014	A0I0556-22RE1	ECD8-10062038.D	10/06/20 23:00
PDI-083SC-A-08-09-191022	A0I0556-23RE1	ECD8-10062040.D	10/06/20 23:37
PDI-083SC-A-09-10-191022	A0I0556-24RE1	ECD8-10062042.D	10/07/20 00:14
PDI-083SC-A-14-15-191022	A0I0556-28RE1	ECD8-10062044.D	10/07/20 00:51
PDI-048SC-A-08-11-200506	A0I0556-04RE1	ECD8-10062046.D	10/07/20 01:28
PDI-048SC-A-08-11-200506 (Dup)	0I00091-DUP1	ECD8-10062048.D	10/07/20 02:05
PDI-069SC-B-08-10-191016	A0I0556-07RE1	ECD8-10062050.D	10/07/20 02:42
PDI-069SC-A-10-11-191016	A0I0556-08RE1	ECD8-10062052.D	10/07/20 03:19
Calibration Check	0J06051-CCV9	ECD8-10062054.D	10/07/20 03:56
Calibration Check	0J06051-CCVA	ECD8-10062055.D	10/07/20 04:12
Calibration Blank	0J06051-CCB3	ECD8-10062056.D	10/07/20 04:29

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

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0J07055</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J07055-CCV1	ECD8-10072004.D	10/07/20 12:18
Calibration Check	0J07055-CCV2	ECD8-10072005.D	10/07/20 12:34
Calibration Blank	0J07055-CCB1	ECD8-10072006.D	10/07/20 12:51
Calibration Check	0J07055-CCV3	ECD8-10072014.D	10/07/20 15:12
Calibration Check	0J07055-CCV4	ECD8-10072015.D	10/07/20 15:28
Calibration Blank	0J07055-CCB2	ECD8-10072016.D	10/07/20 15:45
PDI-073SC-A-08-09-191013	A0I0556-09RE1	ECD8-10072017.D	10/07/20 16:07
PDI-073SC-A-09-10-191013	A0I0556-10RE1	ECD8-10072019.D	10/07/20 16:44
PDI-083SC-B-10-12-191022	A0I0556-27RE2	ECD8-10072021.D	10/07/20 17:21
PDI-078SC-A-07-08-200505	A0I0556-21RE2	ECD8-10072023.D	10/07/20 17:58
Calibration Check	0J07055-CCV5	ECD8-10072029.D	10/07/20 19:42
Calibration Check	0J07055-CCV6	ECD8-10072030.D	10/07/20 19:59
Calibration Blank	0J07055-CCB3	ECD8-10072031.D	10/07/20 20:15
Calibration Check	0J07055-CCV7	ECD8-10072039.D	10/07/20 22:28
Calibration Check	0J07055-CCV8	ECD8-10072040.D	10/07/20 22:45
Calibration Blank	0J07055-CCB4	ECD8-10072041.D	10/07/20 23:02

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.

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0G2005

Date: 07/20/20 18:20

Instrument: DUALECD8

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD	2451429	XXX	13.35556	7.70075	3.694168E-02				
2,4'-DDD [2C]	2256786	XXX	12.33834	8.582	1.710246E-02				
2,4'-DDE	2799425	XXX	11.79418	7.328625	3.822122E-02				
2,4'-DDE [2C]	2553378	XXX	12.22007	8.209125	1.436889E-02				
2,4'-DDT	2550375	XXX	12.89492	7.882875	3.210555E-02				
2,4'-DDT [2C]	2339532	XXX	13.23098	8.8075	1.526929E-02				
4,4'-DDD	3339951	Ave	4.355009	8.002555	2.529424E-02			20	
4,4'-DDD [2C]	3062010	XXX	12.09472	8.848444	1.131131E-02				
4,4'-DDE	4088135	Ave	4.919765	7.581111	2.073476E-02			20	
4,4'-DDE [2C]	3671471	Ave	12.57634	8.431778	1.617338E-02			20	
4,4'-DDT	3089925	Ave	9.165232	8.2	0.0171345			20	
4,4'-DDT [2C]	2836111	XXX	15.31294	9.076	1.464622E-02				
2,4,5,6-TCMX (Surr)	3732418	Ave	4.825823	5.390778	1.897831E-02			20	
2,4,5,6-TCMX (Surr) [2C]	3510324	Ave	7.91393	6.079444	0.0227344			20	
Decachlorobiphenyl (Surr)	3324809	XXX	13.77649	9.595333	2.180367E-02				
Decachlorobiphenyl (Surr) [2C]	2351466	XXX	13.34126	10.66022	0.0129892				

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: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0G2005

Instrument: DUALECD8

Calibration Date: 07/20/20 18:20

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	3462854	1	3227439	2	3083739	5	3271166	10	3356588	25	3259177
4,4'-DDD [2C]	0.5	2927804	1	2703896	2	2723767	5	2782300	10	2875400	25	2942813
4,4'-DDE	0.5	4130250	1	3926902	2	3661803	5	4124972	10	4094501	25	4065436
4,4'-DDE [2C]	0.5	3405334	1	3336158	2	3096984	5	3407028	10	3503807	25	3595023
4,4'-DDT	0.5	3312528	1	2992885	2	2456657	5	2951788	10	3094088	25	3089377
4,4'-DDT [2C]	0.5	2788236	1	2566263	2	2160249	5	2534914	10	2590962	25	2885313
2,4,5,6-TCMX (Surr)	0.5	4119620	1	3749962	2	3459599	5	3786218	10	3766146	25	3568445
2,4,5,6-TCMX (Surr) [2C]	0.5	3766594	1	3424170	2	3151719	5	3273788	10	3262130	25	3393571
Decachlorobiphenyl (Surr)	0.5	4362606	1	3741875	2	3351901	5	3254440	10	3143066	25	2944489
Decachlorobiphenyl (Surr) [2C]	0.5	3044238	1	2571519	2	2384712	5	2181070	10	2077548	25	2004534

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0G2005

Instrument: DUALECD8

Matrix:

Calibration Date: 07/20/20 18:20

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	3012132	1	2904094	2	2374048
2,4'-DDD [2C]							0.5	2708808	1	2521607	2	2067286
2,4'-DDE							0.5	3394938	1	3231037	2	2686784
2,4'-DDE [2C]							0.5	3062266	1	2813710	2	2311485
2,4'-DDT							0.5	3069456	1	3010061	2	2399358
2,4'-DDT [2C]							0.5	2775160	1	2602143	2	2062037
4,4'-DDD	50	3402336	100	3426073	200	3570185						
4,4'-DDD [2C]	50	3404922	100	3509548	200	3687638						
4,4'-DDE	50	4221632	100	4189684	200	4378032						
4,4'-DDE [2C]	50	3988320	100	4192813	200	4517776						
4,4'-DDT	50	3356890	100	3175497	200	3379619						
4,4'-DDT [2C]	50	3186292	100	3247194	200	3565578						
2,4,5,6-TCMX (Surr)	50	3671584	100	3723971	200	3746220						
2,4,5,6-TCMX (Surr) [2C]	50	3671200	100	3650570	200	3999178						
Decachlorobiphenyl (Surr)	50	3008122	100	3028010	200	3088773						
Decachlorobiphenyl (Surr) [2C]	50	2208290	100	2265388	200	2425894						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0G2005

Instrument: DUALECD8

Matrix:

Calibration Date: 07/20/20 18:20

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	10	2152955	25	2228856	50	2427276	100	2187126	200	2324942		
2,4'-DDD [2C]	10	1896882	25	2019329	50	2206586	100	2181411	200	2452381		
2,4'-DDE	10	2504734	25	2611574	50	2720314	100	2525966	200	2720051		
2,4'-DDE [2C]	10	2137816	25	2282661	50	2559918	100	2490613	200	2768557		
2,4'-DDT	10	2194960	25	2375620	50	2600686	100	2246783	200	2506081		
2,4'-DDT [2C]	10	1924111	25	2106676	50	2479380	100	2177488	200	2589264		

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-07172016.D</u>	
Sequence: <u>0G17041</u>	Inject Date: <u>07/17/20</u>
Lab Sample ID: <u>0G17041-ICV1</u>	Inject Time: <u>21:10</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	49.4	-1.2	70 - 130
4,4'-DDD [2C]	50.0	51.9	3.7	70 - 130
4,4'-DDE	50.0	49.5	-0.9	70 - 130
4,4'-DDE [2C]	50.0	52.6	5.2	70 - 130
4,4'-DDT	50.0	52.0	4.0	70 - 130
4,4'-DDT [2C]	50.0	54.0	8.0	70 - 130
2,4,5,6-TCMX (Surr)	50.0	48.2	-3.6	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	51.1	2.2	70 - 130
Decachlorobiphenyl (Surr)	50.0	49.9	-0.2	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	50.8	1.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD8 Calibration: A0G2005
Lab File ID: ECD8-07172027.D
Sequence: 0G17041 Inject Date: 07/18/20
Lab Sample ID: 0G17041-ICV2 Inject Time: 00:11

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	51.6	3.2	70 - 130
2,4'-DDD [2C]	50.0	51.0	2.0	70 - 130
2,4'-DDE	50.0	52.0	4.0	70 - 130
2,4'-DDE [2C]	50.0	53.8	7.5	70 - 130
2,4'-DDT	50.0	55.7	11.4	70 - 130
2,4'-DDT [2C]	50.0	56.7	13.4	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09292004.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I29052</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29052-CCV1</u>	Injection Time: <u>12:18</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	49.0		3339951	3271304	-2.1	20
4,4'-DDD [2C]	XXX	50.0	49.8	-0.4				20
4,4'-DDE	Ave	50.0	48.0		4088135	3926196	-4.0	20
4,4'-DDE [2C]	Ave	50.0	51.1		3671471	3821838	4.1	20
4,4'-DDT	Ave	50.0	48.1		3089925	2972046	-3.8	20
4,4'-DDT [2C]	XXX	50.0	48.5	-3.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09292005.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I29052</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29052-CCV2</u>	Injection Time: <u>12:35</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	48.0	-3.9				20
2,4'-DDD [2C]	XXX	50.0	49.4	-1.2				20
2,4'-DDE	XXX	50.0	46.2	-7.6				20
2,4'-DDE [2C]	XXX	50.0	49.0	-2.0				20
2,4'-DDT	XXX	50.0	47.4	-5.3				20
2,4'-DDT [2C]	XXX	50.0	49.3	-1.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09292017.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I29052</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29052-CCV3</u>	Injection Time: <u>15:54</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	98.2		3339951	3279889	-1.8	20
4,4'-DDD [2C]	XXX	100	101	1.1				20
4,4'-DDE	Ave	100	100		4088135	4096801	0.2	20
4,4'-DDE [2C]	Ave	100	103		3671471	4191625	14.2	20
4,4'-DDT	Ave	100	106		3089925	3267916	5.8	20
4,4'-DDT [2C]	XXX	100	100	0.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09292018.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I29052</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29052-CCV4</u>	Injection Time: <u>16:11</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	95.4	-4.6				20
2,4'-DDD [2C]	XXX	100	95.1	-4.9				20
2,4'-DDE	XXX	100	93.9	-6.1				20
2,4'-DDE [2C]	XXX	100	91.0	-9.0				20
2,4'-DDT	XXX	100	102	2.4				20
2,4'-DDT [2C]	XXX	100	98.4	-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: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09292037.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I29052</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29052-CCV5</u>	Injection Time: <u>21:53</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	43.8		3339951	2926112	-12.4	20
4,4'-DDD [2C]	XXX	50.0	48.1	-3.8				20
4,4'-DDE	Ave	50.0	44.2		4088135	3613882	-11.6	20
4,4'-DDE [2C]	Ave	50.0	48.6		3671471	3620018	-1.4	20
4,4'-DDT	Ave	50.0	49.0		3089925	3029184	-2.0	20
4,4'-DDT [2C]	XXX	50.0	52.0	4.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09292038.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I29052</u>	Injection Date: <u>09/29/20</u>
Lab Sample ID: <u>0I29052-CCV6</u>	Injection Time: <u>22:09</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	46.3	-7.4				20
2,4'-DDD [2C]	XXX	50.0	50.3	0.6				20
2,4'-DDE	XXX	50.0	45.6	-8.8				20
2,4'-DDE [2C]	XXX	50.0	49.0	-1.9				20
2,4'-DDT	XXX	50.0	52.3	4.7				20
2,4'-DDT [2C]	XXX	50.0	52.0	4.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09302004.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I30064</u>	Injection Date: <u>09/30/20</u>
Lab Sample ID: <u>0I30064-CCV1</u>	Injection Time: <u>14:17</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	41.9		3339951	2800310	-16.2	20
4,4'-DDD [2C]	XXX	50.0	46.6	-6.7				20
4,4'-DDE	Ave	50.0	42.6		4088135	3479568	-14.9	20
4,4'-DDE [2C]	Ave	50.0	47.6		3671471	3544042	-3.5	20
4,4'-DDT	Ave	50.0	48.8		3089925	3015370	-2.4	20
4,4'-DDT [2C]	XXX	50.0	51.2	2.5				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09302005.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I30064</u>	Injection Date: <u>09/30/20</u>
Lab Sample ID: <u>0I30064-CCV2</u>	Injection Time: <u>14:34</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	43.1	-13.8				20
2,4'-DDD [2C]	XXX	50.0	48.1	-3.8				20
2,4'-DDE	XXX	50.0	42.4	-15.3				20
2,4'-DDE [2C]	XXX	50.0	45.2	-9.6				20
2,4'-DDT	XXX	50.0	47.3	-5.4				20
2,4'-DDT [2C]	XXX	50.0	51.5	3.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09302016.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I30064</u>	Injection Date: <u>09/30/20</u>
Lab Sample ID: <u>0I30064-CCV3</u>	Injection Time: <u>17:36</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	91.7		3339951	3061847	-8.3	20
4,4'-DDD [2C]	XXX	100	98.4	-1.6				20
4,4'-DDE	Ave	100	90.6		4088135	3701606	-9.5	20
4,4'-DDE [2C]	Ave	100	99.1		3671471	3999675	8.9	20
4,4'-DDT	Ave	100	107		3089925	3294071	6.6	20
4,4'-DDT [2C]	XXX	100	107	7.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-09302017.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0I30064</u>	Injection Date: <u>09/30/20</u>
Lab Sample ID: <u>0I30064-CCV4</u>	Injection Time: <u>17:53</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	85.8	-14.2				20
2,4'-DDD [2C]	XXX	100	95.0	-5.0				20
2,4'-DDE	XXX	100	83.2	-16.8				20
2,4'-DDE [2C]	XXX	100	95.3	-4.7				20
2,4'-DDT	XXX	100	96.8	-3.2				20
2,4'-DDT [2C]	XXX	100	105	4.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10022008.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J02031</u>	Injection Date: <u>10/02/20</u>
Lab Sample ID: <u>0J02031-CCV3</u>	Injection Time: <u>13:45</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	40.2		3339951	2688920	-19.5	20
4,4'-DDD [2C]	XXX	50.0	44.8	-10.5				20
4,4'-DDE	Ave	50.0	40.5		4088135	3311548	-19.0	20
4,4'-DDE [2C]	Ave	50.0	46.1		3671471	3419756	-6.9	20
4,4'-DDT	Ave	50.0	47.7		3089925	2948150	-4.6	20
4,4'-DDT [2C]	XXX	50.0	50.8	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: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10022009.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J02031</u>	Injection Date: <u>10/02/20</u>
Lab Sample ID: <u>0J02031-CCV4</u>	Injection Time: <u>14:02</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	43.2	-13.5				20
2,4'-DDD [2C]	XXX	50.0	45.7	-8.6				20
2,4'-DDE	XXX	50.0	41.6	-16.7				20
2,4'-DDE [2C]	XXX	50.0	46.4	-7.2				20
2,4'-DDT	XXX	50.0	48.2	-3.5				20
2,4'-DDT [2C]	XXX	50.0	53.0	5.9				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10022019.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J02031</u>	Injection Date: <u>10/02/20</u>
Lab Sample ID: <u>0J02031-CCV5</u>	Injection Time: <u>16:48</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	87.5		3339951	2923931	-12.5	20
4,4'-DDD [2C]	XXX	100	93.5	-6.5				20
4,4'-DDE	Ave	100	86.7		4088135	3543742	-13.3	20
4,4'-DDE [2C]	Ave	100	94.9		3671471	3806692	3.7	20
4,4'-DDT	Ave	100	102		3089925	3142237	1.7	20
4,4'-DDT [2C]	XXX	100	103	2.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10022020.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J02031</u>	Injection Date: <u>10/02/20</u>
Lab Sample ID: <u>0J02031-CCV6</u>	Injection Time: <u>17:04</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	82.6	-17.4				20
2,4'-DDD [2C]	XXX	100	94.1	-5.9				20
2,4'-DDE	XXX	100	85.4	-14.6				20
2,4'-DDE [2C]	XXX	100	92.9	-7.1				20
2,4'-DDT	XXX	100	97.9	-2.1				20
2,4'-DDT [2C]	XXX	100	107	7.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10022025.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J02031</u>	Injection Date: <u>10/02/20</u>
Lab Sample ID: <u>0J02031-CCV7</u>	Injection Time: <u>18:31</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	42.1		3339951	2814424	-15.7	20
4,4'-DDD [2C]	XXX	50.0	48.4	-3.1				20
4,4'-DDE	Ave	50.0	42.6		4088135	3486110	-14.7	20
4,4'-DDE [2C]	Ave	50.0	49.4		3671471	3691224	0.5	20
4,4'-DDT	Ave	50.0	49.7		3089925	3069842	-0.6	20
4,4'-DDT [2C]	XXX	50.0	54.7	9.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10022026.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J02031</u>	Injection Date: <u>10/02/20</u>
Lab Sample ID: <u>0J02031-CCV8</u>	Injection Time: <u>18:48</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	40.9	-18.1				20
2,4'-DDD [2C]	XXX	50.0	45.8	-8.5				20
2,4'-DDE	XXX	50.0	40.6	-18.7				20
2,4'-DDE [2C]	XXX	50.0	46.5	-7.0				20
2,4'-DDT	XXX	50.0	50.2	0.3				20
2,4'-DDT [2C]	XXX	50.0	53.0	6.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10052008.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J05048</u>	Injection Date: <u>10/05/20</u>
Lab Sample ID: <u>0J05048-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	
4,4'-DDD	Ave	50.0	38.5		3339951	2569556	-23.1*	20
4,4'-DDD [2C]	XXX	50.0	41.4	-17.2				20
4,4'-DDE	Ave	50.0	41.1		4088135	3361266	-17.8	20
4,4'-DDE [2C]	Ave	50.0	42.7		3671471	3152428	-14.1	20
4,4'-DDT	Ave	50.0	43.8		3089925	2707508	-12.4	20
4,4'-DDT [2C]	XXX	50.0	43.7	-12.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10052009.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J05048</u>	Injection Date: <u>10/05/20</u>
Lab Sample ID: <u>0J05048-CCV4</u>	Injection Time: <u>15:55</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	40.9	-18.1				20
2,4'-DDD [2C]	XXX	50.0	44.8	-10.4				20
2,4'-DDE	XXX	50.0	41.2	-17.6				20
2,4'-DDE [2C]	XXX	50.0	43.8	-12.3				20
2,4'-DDT	XXX	50.0	48.4	-3.2				20
2,4'-DDT [2C]	XXX	50.0	51.4	2.8				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD8

Calibration: A0G2005

Lab File ID: ECD8-10052018.D

Calibration Date: 07/20/20 18:20

Sequence: 0J05048

Injection Date: 10/05/20

Lab Sample ID: 0J05048-CCV5

Injection Time: 18:24

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	89.0		3339951	2971342	-11.0	20
4,4'-DDD [2C]	XXX	100	93.8	-6.2				20
4,4'-DDE	Ave	100	90.8		4088135	3713211	-9.2	20
4,4'-DDE [2C]	Ave	100	91.8		3671471	3665316	-0.2	20
4,4'-DDT	Ave	100	97.0		3089925	2997295	-3.0	20
4,4'-DDT [2C]	XXX	100	92.2	-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: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10052019.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J05048</u>	Injection Date: <u>10/05/20</u>
Lab Sample ID: <u>0J05048-CCV6</u>	Injection Time: <u>18:41</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	87.6	-12.4				20
2,4'-DDD [2C]	XXX	100	93.7	-6.3				20
2,4'-DDE	XXX	100	85.1	-14.9				20
2,4'-DDE [2C]	XXX	100	88.8	-11.2				20
2,4'-DDT	XXX	100	103	2.6				20
2,4'-DDT [2C]	XXX	100	103	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: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10062015.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J06051</u>	Injection Date: <u>10/06/20</u>
Lab Sample ID: <u>0J06051-CCV5</u>	Injection Time: <u>16:19</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	46.6		3339951	3111366	-6.8	20
4,4'-DDD [2C]	XXX	50.0	41.1	-17.8				20
4,4'-DDE	Ave	50.0	47.0		4088135	3844974	-5.9	20
4,4'-DDE [2C]	Ave	50.0	43.8		3671471	3241498	-11.7	20
4,4'-DDT	Ave	50.0	53.9		3089925	3328266	7.7	20
4,4'-DDT [2C]	XXX	50.0	50.5	1.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10062016.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J06051</u>	Injection Date: <u>10/06/20</u>
Lab Sample ID: <u>0J06051-CCV6</u>	Injection Time: <u>16:35</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	46.8	-6.4				20
2,4'-DDD [2C]	XXX	50.0	41.6	-16.9				20
2,4'-DDE [2C]	XXX	50.0	44.0	-12.1				20
2,4'-DDT [2C]	XXX	50.0	50.3	0.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10062031.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J06051</u>	Injection Date: <u>10/06/20</u>
Lab Sample ID: <u>0J06051-CCV7</u>	Injection Time: <u>20:56</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	100		3339951	3346981	0.2	20
4,4'-DDD [2C]	XXX	100	89.6	-10.4				20
4,4'-DDE	Ave	100	101		4088135	4116498	0.7	20
4,4'-DDE [2C]	Ave	100	92.9		3671471	3715080	1.2	20
4,4'-DDT	Ave	100	114		3089925	3531243	14.3	20
4,4'-DDT [2C]	XXX	100	101	1.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10062032.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J06051</u>	Injection Date: <u>10/06/20</u>
Lab Sample ID: <u>0J06051-CCV8</u>	Injection Time: <u>21:13</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	96.1	-3.9				20
2,4'-DDD [2C]	XXX	100	91.9	-8.1				20
2,4'-DDE	XXX	100	95.4	-4.6				20
2,4'-DDE [2C]	XXX	100	94.9	-5.1				20
2,4'-DDT	XXX	100	108	8.4				20
2,4'-DDT [2C]	XXX	100	103	3.4				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: A0I0556

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD8

Calibration: A0G2005

Lab File ID: ECD8-10062054.D

Calibration Date: 07/20/20 18:20

Sequence: 0J06051

Injection Date: 10/07/20

Lab Sample ID: 0J06051-CCV9

Injection Time: 03:56

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	47.5		3339951	3173304	-5.0	20
4,4'-DDD [2C]	XXX	50.0	44.3	-11.4				20
4,4'-DDE	Ave	50.0	47.3		4088135	3868828	-5.4	20
4,4'-DDE [2C]	Ave	50.0	45.9		3671471	3409434	-7.1	20
4,4'-DDT	Ave	50.0	58.0		3089925	3582600	15.9	20
4,4'-DDT [2C]	XXX	50.0	55.5	11.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10062055.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J06051</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J06051-CCVA</u>	Injection Time: <u>04:12</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	48.7	-2.5				20
2,4'-DDD [2C]	XXX	50.0	47.4	-5.2				20
2,4'-DDE	XXX	50.0	47.1	-5.7				20
2,4'-DDE [2C]	XXX	50.0	48.0	-3.9				20
2,4'-DDT	XXX	50.0	57.2	14.3				20
2,4'-DDT [2C]	XXX	50.0	57.9	15.7				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072004.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV1</u>	Injection Time: <u>12:18</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	43.8		3339951	2925072	-12.4	20
4,4'-DDD [2C]	XXX	50.0	42.2	-15.6				20
4,4'-DDE	Ave	50.0	45.8		4088135	3742804	-8.4	20
4,4'-DDE [2C]	Ave	50.0	43.6		3671471	3221300	-12.3	20
4,4'-DDT	Ave	50.0	52.4		3089925	3241540	4.9	20
4,4'-DDT [2C]	XXX	50.0	51.1	2.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072005.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV2</u>	Injection Time: <u>12:34</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	42.1	-15.8				20
2,4'-DDD [2C]	XXX	50.0	41.1	-17.8				20
2,4'-DDE	XXX	50.0	43.3	-13.3				20
2,4'-DDE [2C]	XXX	50.0	42.5	-15.0				20
2,4'-DDT	XXX	50.0	47.5	-5.1				20
2,4'-DDT [2C]	XXX	50.0	49.7	-0.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072014.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV3</u>	Injection Time: <u>15:12</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	85.9		3339951	2868858	-14.1	20
4,4'-DDD [2C]	XXX	100	78.7	-21.3 *				20
4,4'-DDE	Ave	100	90.7		4088135	3707500	-9.3	20
4,4'-DDE [2C]	Ave	100	84.2		3671471	3322230	-9.5	20
4,4'-DDT	Ave	100	99.5		3089925	3074655	-0.5	20
4,4'-DDT [2C]	XXX	100	93.4	-6.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072015.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV4</u>	Injection Time: <u>15:28</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	85.3	-14.7				20
2,4'-DDD [2C]	XXX	100	88.8	-11.2				20
2,4'-DDE	XXX	100	85.0	-15.0				20
2,4'-DDE [2C]	XXX	100	87.9	-12.1				20
2,4'-DDT	XXX	100	102	2.2				20
2,4'-DDT [2C]	XXX	100	102	2.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072029.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV5</u>	Injection Time: <u>19:42</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	41.9		3339951	2799312	-16.2	20
4,4'-DDD [2C]	XXX	50.0	41.0	-18.1				20
4,4'-DDE	Ave	50.0	43.2		4088135	3528982	-13.7	20
4,4'-DDE [2C]	Ave	50.0	41.8		3671471	3078122	-16.2	20
4,4'-DDT	Ave	50.0	50.1		3089925	3096812	0.2	20
4,4'-DDT [2C]	XXX	50.0	48.4	-3.3				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072030.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV6</u>	Injection Time: <u>19:59</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	43.1	-13.9				20
2,4'-DDD [2C]	XXX	50.0	43.4	-13.2				20
2,4'-DDE	XXX	50.0	43.8	-12.4				20
2,4'-DDE [2C]	XXX	50.0	44.0	-12.0				20
2,4'-DDT	XXX	50.0	51.4	2.8				20
2,4'-DDT [2C]	XXX	50.0	51.4	2.9				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072039.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV7</u>	Injection Time: <u>22:28</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	100		3339951	3356731	0.5	20
4,4'-DDD [2C]	XXX	100	99.3	-0.7				20
4,4'-DDE	Ave	100	102		4088135	4189907	2.5	20
4,4'-DDE [2C]	Ave	100	94.5		3671471	3787139	3.2	20
4,4'-DDT	Ave	100	116		3089925	3591939	16.2	20
4,4'-DDT [2C]	XXX	100	110	10.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0G2005</u>
Lab File ID: <u>ECD8-10072040.D</u>	Calibration Date: <u>07/20/20 18:20</u>
Sequence: <u>0J07055</u>	Injection Date: <u>10/07/20</u>
Lab Sample ID: <u>0J07055-CCV8</u>	Injection Time: <u>22:45</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	87.9	-12.1				20
2,4'-DDD [2C]	XXX	100	91.6	-8.4				20
2,4'-DDE	XXX	100	91.6	-8.4				20
2,4'-DDE [2C]	XXX	100	89.9	-10.1				20
2,4'-DDT	XXX	100	103	3.2				20
2,4'-DDT [2C]	XXX	100	104	4.2				20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0G17041</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0G17041-ICV1)		Lab File ID: ECD8-07172016.D		Analyzed: 07/17/20 21:10				
2,4,5,6-TCMX (Surr)	50.0	96	70 - 130	5.389	5.390778	-0.0018	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	102	70 - 130	6.078	6.079444	-0.0014	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	100	70 - 130	9.593	9.595333	-0.0023	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	102	70 - 130	10.658	10.66022	-0.0022	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I29052</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I29052-CCV1) Lab File ID: ECD8-09292004.D Analyzed: 09/29/20 12:18								
2,4,5,6-TCMX (Surr)	50.0	86	80 - 120	5.169	5.390778	-0.2218	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	96	80 - 120	5.905	6.079444	-0.1744	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	89	80 - 120	9.348	9.595333	-0.2473	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	101	80 - 120	10.432	10.66022	-0.2282	+/-1.0	
Calibration Blank (0I29052-CCB1) Lab File ID: ECD8-09292006.D Analyzed: 09/29/20 12:51								
2,4,5,6-TCMX (Surr) [2C]	100	92	42 - 129	5.905	6.079444	-0.1744	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	55 - 130	10.432	10.66022	-0.2282	+/-1.0	
Blank (0090807-BLK1) Lab File ID: ECD8-09292007.D Analyzed: 09/29/20 13:08								
2,4,5,6-TCMX (Surr) [2C]	45.5	56	42 - 129	5.904	6.079444	-0.1754	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	94	55 - 130	10.431	10.66022	-0.2292	+/-1.0	
LCS (0090807-BS1) Lab File ID: ECD8-09292008.D Analyzed: 09/29/20 13:25								
2,4,5,6-TCMX (Surr) [2C]	50.0	56	42 - 129	5.904	6.079444	-0.1754	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	87	55 - 130	10.43	10.66022	-0.2302	+/-1.0	
PDI-171SC-A-01-02-200521 (A0I0556-29RE1) Lab File ID: ECD8-09292009.D Analyzed: 09/29/20 13:41								
2,4,5,6-TCMX (Surr) [2C]	86.6	74	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	86.6	90	55 - 130	10.432	10.66022	-0.2282	+/-1.0	
Duplicate (0090807-DUP1) Lab File ID: ECD8-09292010.D Analyzed: 09/29/20 13:58								
2,4,5,6-TCMX (Surr) [2C]	86.5	67	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	86.5	87	55 - 130	10.431	10.66022	-0.2292	+/-1.0	
PDI-171SC-A-02-03-200521 (A0I0556-30RE1) Lab File ID: ECD8-09292011.D Analyzed: 09/29/20 14:14								
2,4,5,6-TCMX (Surr) [2C]	114	68	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	114	94	55 - 130	10.432	10.66022	-0.2282	+/-1.0	
PDI-171SC-A-03-04-200521 (A0I0556-31RE1) Lab File ID: ECD8-09292012.D Analyzed: 09/29/20 14:31								
2,4,5,6-TCMX (Surr) [2C]	87.0	48	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	87.0	86	55 - 130	10.432	10.66022	-0.2282	+/-1.0	
PDI-173SC-A-01-02-200521 (A0I0556-35RE1) Lab File ID: ECD8-09292013.D Analyzed: 09/29/20 14:48								
2,4,5,6-TCMX (Surr) [2C]	61.6	53	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	61.6	91	55 - 130	10.431	10.66022	-0.2292	+/-1.0	
PDI-173SC-A-02-03-200521 (A0I0556-36RE1) Lab File ID: ECD8-09292014.D Analyzed: 09/29/20 15:04								
2,4,5,6-TCMX (Surr) [2C]	64.0	74	42 - 129	5.904	6.079444	-0.1754	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	64.0	90	55 - 130	10.431	10.66022	-0.2292	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0I29052
 Matrix: Sediment

SDG: A0I0556
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD8
 Calibration: A0G2005

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
PDI-174SC-A-02-03-200521 (A0I0556-39RE1) Lab File ID: ECD8-09292015.D Analyzed: 09/29/20 15:21								
2,4,5,6-TCMX (Surr) [2C]	65.3	66	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.3	98	55 - 130	10.431	10.66022	-0.2292	+/-1.0	
PDI-174SC-A-01-02-200521 (A0I0556-38RE1) Lab File ID: ECD8-09292016.D Analyzed: 09/29/20 15:37								
2,4,5,6-TCMX (Surr) [2C]	64.3	52	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	64.3	99	55 - 130	10.431	10.66022	-0.2292	+/-1.0	
Calibration Check (0I29052-CCV3) Lab File ID: ECD8-09292017.D Analyzed: 09/29/20 15:54								
2,4,5,6-TCMX (Surr)	100	94	80 - 120	5.169	5.390778	-0.2218	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	98	80 - 120	5.905	6.079444	-0.1744	+/-1.0	
Decachlorobiphenyl (Surr)	100	87	80 - 120	9.347	9.595333	-0.2483	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	104	80 - 120	10.431	10.66022	-0.2292	+/-1.0	
Calibration Blank (0I29052-CCB2) Lab File ID: ECD8-09292019.D Analyzed: 09/29/20 16:27								
2,4,5,6-TCMX (Surr) [2C]	100	89	42 - 129	5.904	6.079444	-0.1754	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	103	55 - 130	10.431	10.66022	-0.2292	+/-1.0	
PDI-173SC-A-03-04-200521 (A0I0556-37RE1) Lab File ID: ECD8-09292020.D Analyzed: 09/29/20 16:44								
2,4,5,6-TCMX (Surr) [2C]	71.8	61	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	71.8	105	55 - 130	10.43	10.66022	-0.2302	+/-1.0	
PDI-171SC-A-05-06-200521 (A0I0556-33RE1) Lab File ID: ECD8-09292021.D Analyzed: 09/29/20 17:01								
2,4,5,6-TCMX (Surr) [2C]	71.7	60	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	71.7	93	55 - 130	10.43	10.66022	-0.2302	+/-1.0	
PDI-171SC-A-04-05-200521 (A0I0556-32RE1) Lab File ID: ECD8-09292022.D Analyzed: 09/29/20 17:17								
2,4,5,6-TCMX (Surr) [2C]	81.2	71	42 - 129	5.902	6.079444	-0.1774	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	81.2	98	55 - 130	10.429	10.66022	-0.2312	+/-1.0	
PDI-171SC-A-06-07-200521 (A0I0556-34RE1) Lab File ID: ECD8-09292023.D Analyzed: 09/29/20 17:34								
2,4,5,6-TCMX (Surr) [2C]	72.2	68	42 - 129	5.903	6.079444	-0.1764	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	72.2	111	55 - 130	10.43	10.66022	-0.2302	+/-1.0	
PDI-018SC-A-00-01-190926 (A0I0556-40RE1) Lab File ID: ECD8-09292025.D Analyzed: 09/29/20 18:11								
2,4,5,6-TCMX (Surr) [2C]	56.2	76	42 - 129	5.904	6.079444	-0.1754	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	56.2	126	55 - 130	10.427	10.66022	-0.2332	+/-1.0	
PDI-018SC-A-02-03-190926 (A0I0556-42RE1) Lab File ID: ECD8-09292027.D Analyzed: 09/29/20 18:48								
2,4,5,6-TCMX (Surr) [2C]	70.2	72	42 - 129	5.902	6.079444	-0.1774	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	70.2	109	55 - 130	10.426	10.66022	-0.2342	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0I29052</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
PDI-018SC-A-03-04-190926 (A0I0556-43RE1) Lab File ID: ECD8-09292029.D Analyzed: 09/29/20 19:25								
2,4,5,6-TCMX (Surr) [2C]	73.6	80	42 - 129	5.902	6.079444	-0.1774	+/-1.0	
Decachlorobiphenyl (Surr)	73.6	99	55 - 130	9.343	9.595333	-0.2523	+/-1.0	
PDI-018SC-A-04-05-190926 (A0I0556-44RE1) Lab File ID: ECD8-09292031.D Analyzed: 09/29/20 20:02								
2,4,5,6-TCMX (Surr) [2C]	70.6	97	42 - 129	5.901	6.079444	-0.1784	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	70.6	130	55 - 130	10.424	10.66022	-0.2362	+/-1.0	
PDI-018SC-A-05-06-190926 (A0I0556-45RE1) Lab File ID: ECD8-09292033.D Analyzed: 09/29/20 20:39								
2,4,5,6-TCMX (Surr) [2C]	65.1	73	42 - 129	5.9	6.079444	-0.1794	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.1	99	55 - 130	10.423	10.66022	-0.2372	+/-1.0	
Matrix Spike (0090807-MS1) Lab File ID: ECD8-09292035.D Analyzed: 09/29/20 21:16								
2,4,5,6-TCMX (Surr) [2C]	65.0	82	42 - 129	5.9	6.079444	-0.1794	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.0	113	55 - 130	10.423	10.66022	-0.2372	+/-1.0	
Calibration Check (0I29052-CCV5) Lab File ID: ECD8-09292037.D Analyzed: 09/29/20 21:53								
2,4,5,6-TCMX (Surr)	50.0	87	80 - 120	5.163	5.390778	-0.2278	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	88	80 - 120	5.901	6.079444	-0.1784	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	95	80 - 120	9.34	9.595333	-0.2553	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	113	80 - 120	10.424	10.66022	-0.2362	+/-1.0	
Calibration Blank (0I29052-CCB3) Lab File ID: ECD8-09292039.D Analyzed: 09/29/20 22:26								
2,4,5,6-TCMX (Surr) [2C]	100	94	42 - 129	5.9	6.079444	-0.1794	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	107	55 - 130	10.423	10.66022	-0.2372	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I30064</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I30064-CCV1) Lab File ID: ECD8-09302004.D Analyzed: 09/30/20 14:17								
2,4,5,6-TCMX (Surr)	50.0	84	80 - 120	5.163	5.390778	-0.2278	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	86	80 - 120	5.9	6.079444	-0.1794	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	89	80 - 120	9.342	9.595333	-0.2533	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	105	80 - 120	10.425	10.66022	-0.2352	+/-1.0	
Calibration Blank (0I30064-CCB1) Lab File ID: ECD8-09302006.D Analyzed: 09/30/20 14:50								
2,4,5,6-TCMX (Surr) [2C]	100	90	42 - 129	5.901	6.079444	-0.1784	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	104	55 - 130	10.425	10.66022	-0.2352	+/-1.0	
Blank (0090860-BLK1) Lab File ID: ECD8-09302007.D Analyzed: 09/30/20 15:07								
2,4,5,6-TCMX (Surr) [2C]	45.5	68	42 - 129	5.9	6.079444	-0.1794	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	97	55 - 130	10.426	10.66022	-0.2342	+/-1.0	
LCS (0090860-BS1) Lab File ID: ECD8-09302008.D Analyzed: 09/30/20 15:23								
2,4,5,6-TCMX (Surr) [2C]	50.0	79	42 - 129	5.9	6.079444	-0.1794	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	95	55 - 130	10.424	10.66022	-0.2362	+/-1.0	
LCS (0090860-BS2) Lab File ID: ECD8-09302009.D Analyzed: 09/30/20 15:40								
2,4,5,6-TCMX (Surr) [2C]	50.0	58	42 - 129	5.899	6.079444	-0.1804	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	104	55 - 130	10.424	10.66022	-0.2362	+/-1.0	
PDI-018SC-A-01-02-190926 (A0I0556-41RE1) Lab File ID: ECD8-09302010.D Analyzed: 09/30/20 15:57								
2,4,5,6-TCMX (Surr) [2C]	56.8	67	42 - 129	5.899	6.079444	-0.1804	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	56.8	104	55 - 130	10.424	10.66022	-0.2362	+/-1.0	
Calibration Check (0I30064-CCV3) Lab File ID: ECD8-09302016.D Analyzed: 09/30/20 17:36								
2,4,5,6-TCMX (Surr)	100	89	80 - 120	5.162	5.390778	-0.2288	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	97	80 - 120	5.9	6.079444	-0.1794	+/-1.0	
Decachlorobiphenyl (Surr)	100	90	80 - 120	9.341	9.595333	-0.2543	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	107	80 - 120	10.423	10.66022	-0.2372	+/-1.0	
Calibration Blank (0I30064-CCB2) Lab File ID: ECD8-09302018.D Analyzed: 09/30/20 18:09								
2,4,5,6-TCMX (Surr) [2C]	100	92	42 - 129	5.899	6.079444	-0.1804	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	106	55 - 130	10.422	10.66022	-0.2382	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0J02031</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J02031-CCV3) Lab File ID: ECD8-10022008.D Analyzed: 10/02/20 13:45								
2,4,5,6-TCMX (Surr)	50.0	84	80 - 120	5.144	5.390778	-0.2468	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	77	80 - 120	5.883	6.079444	-0.1964	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	82	80 - 120	9.326	9.595333	-0.2693	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	99	80 - 120	10.406	10.66022	-0.2542	+/-1.0	
Calibration Blank (0J02031-CCB1) Lab File ID: ECD8-10022010.D Analyzed: 10/02/20 14:18								
2,4,5,6-TCMX (Surr) [2C]	100	77	42 - 129	5.883	6.079444	-0.1964	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	95	55 - 130	10.404	10.66022	-0.2562	+/-1.0	
Blank (0100038-BLK1) Lab File ID: ECD8-10022011.D Analyzed: 10/02/20 14:35								
2,4,5,6-TCMX (Surr) [2C]	45.5	57	42 - 129	5.883	6.079444	-0.1964	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	93	55 - 130	10.403	10.66022	-0.2572	+/-1.0	
LCS (0100038-BS1) Lab File ID: ECD8-10022012.D Analyzed: 10/02/20 14:52								
2,4,5,6-TCMX (Surr) [2C]	50.0	59	42 - 129	5.883	6.079444	-0.1964	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	55 - 130	10.404	10.66022	-0.2562	+/-1.0	
LCS (0100038-BS2) Lab File ID: ECD8-10022013.D Analyzed: 10/02/20 15:08								
2,4,5,6-TCMX (Surr) [2C]	50.0	52	42 - 129	5.883	6.079444	-0.1964	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	97	55 - 130	10.403	10.66022	-0.2572	+/-1.0	
PDI-083SC-B-12-14-191022 (A0I0556-48RE1) Lab File ID: ECD8-10022014.D Analyzed: 10/02/20 15:25								
2,4,5,6-TCMX (Surr) [2C]	82.1	60	42 - 129	5.881	6.079444	-0.1984	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	82.1	94	55 - 130	10.403	10.66022	-0.2572	+/-1.0	
Duplicate (0100038-DUP1) Lab File ID: ECD8-10022015.D Analyzed: 10/02/20 15:41								
2,4,5,6-TCMX (Surr) [2C]	81.7	65	42 - 129	5.88	6.079444	-0.1994	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	81.7	105	55 - 130	10.404	10.66022	-0.2562	+/-1.0	
Calibration Check (0J02031-CCV5) Lab File ID: ECD8-10022019.D Analyzed: 10/02/20 16:48								
2,4,5,6-TCMX (Surr)	100	92	80 - 120	5.143	5.390778	-0.2478	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	95	80 - 120	5.883	6.079444	-0.1964	+/-1.0	
Decachlorobiphenyl (Surr)	100	84	80 - 120	9.324	9.595333	-0.2713	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	100	80 - 120	10.404	10.66022	-0.2562	+/-1.0	
Calibration Blank (0J02031-CCB2) Lab File ID: ECD8-10022021.D Analyzed: 10/02/20 17:21								
2,4,5,6-TCMX (Surr) [2C]	100	86	42 - 129	5.882	6.079444	-0.1974	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	101	55 - 130	10.403	10.66022	-0.2572	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0J02031</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J02031-CCV7)		Lab File ID: ECD8-10022025.D Analyzed: 10/02/20 18:31						
2,4,5,6-TCMX (Surr)	50.0	88	80 - 120	5.142	5.390778	-0.2488	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	91	80 - 120	5.881	6.079444	-0.1984	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	87	80 - 120	9.321	9.595333	-0.2743	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	108	80 - 120	10.402	10.66022	-0.2582	+/-1.0	
Calibration Blank (0J02031-CCB3)		Lab File ID: ECD8-10022027.D Analyzed: 10/02/20 19:04						
2,4,5,6-TCMX (Surr) [2C]	100	86	42 - 129	5.882	6.079444	-0.1974	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	100	55 - 130	10.402	10.66022	-0.2582	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0J05048</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J05048-CCV3) Lab File ID: ECD8-10052008.D Analyzed: 10/05/20 15:38								
2,4,5,6-TCMX (Surr)	50.0	80	80 - 120	5.126	5.390778	-0.2648	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	75	80 - 120	5.866	6.079444	-0.2134	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	88	80 - 120	9.307	9.595333	-0.2883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	80 - 120	10.386	10.66022	-0.2742	+/-1.0	
Calibration Blank (0J05048-CCB1) Lab File ID: ECD8-10052010.D Analyzed: 10/05/20 16:12								
2,4,5,6-TCMX (Surr) [2C]	100	78	42 - 129	5.866	6.079444	-0.2134	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	98	55 - 130	10.386	10.66022	-0.2742	+/-1.0	
Blank (0100091-BLK1) Lab File ID: ECD8-10052011.D Analyzed: 10/05/20 16:28								
2,4,5,6-TCMX (Surr) [2C]	45.5	65	42 - 129	5.865	6.079444	-0.2144	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	103	55 - 130	10.385	10.66022	-0.2752	+/-1.0	
LCS (0100091-BS1) Lab File ID: ECD8-10052012.D Analyzed: 10/05/20 16:45								
2,4,5,6-TCMX (Surr) [2C]	50.0	75	42 - 129	5.864	6.079444	-0.2154	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	117	55 - 130	10.385	10.66022	-0.2752	+/-1.0	
Calibration Check (0J05048-CCV5) Lab File ID: ECD8-10052018.D Analyzed: 10/05/20 18:24								
2,4,5,6-TCMX (Surr)	100	91	80 - 120	5.125	5.390778	-0.2658	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	91	80 - 120	5.865	6.079444	-0.2144	+/-1.0	
Decachlorobiphenyl (Surr)	100	88	80 - 120	9.304	9.595333	-0.2913	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	108	80 - 120	10.384	10.66022	-0.2762	+/-1.0	
Calibration Blank (0J05048-CCB2) Lab File ID: ECD8-10052020.D Analyzed: 10/05/20 18:57								
2,4,5,6-TCMX (Surr) [2C]	100	85	42 - 129	5.865	6.079444	-0.2144	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	102	55 - 130	10.383	10.66022	-0.2772	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0J06051</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J06051-CCV5) Lab File ID: ECD8-10062015.D Analyzed: 10/06/20 16:19								
2,4,5,6-TCMX (Surr)	50.0	85	80 - 120	5.109	5.390778	-0.2818	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	71	80 - 120	5.852	6.079444	-0.2274	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	85	80 - 120	9.287	9.595333	-0.3083	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	95	80 - 120	10.37	10.66022	-0.2902	+/-1.0	
Calibration Blank (0J06051-CCB1) Lab File ID: ECD8-10062017.D Analyzed: 10/06/20 16:52								
2,4,5,6-TCMX (Surr) [2C]	100	75	42 - 129	5.852	6.079444	-0.2274	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	89	55 - 130	10.371	10.66022	-0.2892	+/-1.0	
PDI-073SC-A-10-11-191013 (A0I0556-11RE1) Lab File ID: ECD8-10062025.D Analyzed: 10/06/20 19:05								
2,4,5,6-TCMX (Surr)	72.2	88	42 - 129	5.107	5.390778	-0.2838	+/-1.0	
Decachlorobiphenyl (Surr)	72.2	127	55 - 130	9.285	9.595333	-0.3103	+/-1.0	
PDI-075SC-B-08-10-191013 (A0I0556-14RE1) Lab File ID: ECD8-10062027.D Analyzed: 10/06/20 19:42								
2,4,5,6-TCMX (Surr)	81.0	95	42 - 129	5.106	5.390778	-0.2848	+/-1.0	
Decachlorobiphenyl (Surr)	81.0	96	55 - 130	9.282	9.595333	-0.3133	+/-1.0	
PDI-075SC-B-10-12-191013 (A0I0556-17RE1) Lab File ID: ECD8-10062029.D Analyzed: 10/06/20 20:19								
2,4,5,6-TCMX (Surr)	81.4	92	42 - 129	5.105	5.390778	-0.2858	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	81.4	102	55 - 130	10.364	10.66022	-0.2962	+/-1.0	
Calibration Check (0J06051-CCV7) Lab File ID: ECD8-10062031.D Analyzed: 10/06/20 20:56								
2,4,5,6-TCMX (Surr)	100	93	80 - 120	5.105	5.390778	-0.2858	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	83	80 - 120	5.85	6.079444	-0.2294	+/-1.0	
Decachlorobiphenyl (Surr)	100	88	80 - 120	9.282	9.595333	-0.3133	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	80 - 120	10.365	10.66022	-0.2952	+/-1.0	
Calibration Blank (0J06051-CCB2) Lab File ID: ECD8-10062033.D Analyzed: 10/06/20 21:29								
2,4,5,6-TCMX (Surr) [2C]	100	80	42 - 129	5.849	6.079444	-0.2304	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	94	55 - 130	10.367	10.66022	-0.2932	+/-1.0	
PDI-075SC-B-12-14-191013 (A0I0556-20RE1) Lab File ID: ECD8-10062034.D Analyzed: 10/06/20 21:46								
2,4,5,6-TCMX (Surr)	74.9	92	42 - 129	5.103	5.390778	-0.2878	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	74.9	115	55 - 130	10.365	10.66022	-0.2952	+/-1.0	
PDI-078SC-A-07-08-200505 (A0I0556-21RE1) Lab File ID: ECD8-10062036.D Analyzed: 10/06/20 22:23								
2,4,5,6-TCMX (Surr)	78.3	100	42 - 129	5.105	5.390778	-0.2858	+/-1.0	
Decachlorobiphenyl (Surr)	78.3	109	55 - 130	9.28	9.595333	-0.3153	+/-1.0	
PDI-079SC-B-06-08-191014 (A0I0556-22RE1) Lab File ID: ECD8-10062038.D Analyzed: 10/06/20 23:00								
2,4,5,6-TCMX (Surr)	77.8	93	42 - 129	5.103	5.390778	-0.2878	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	77.8	129	55 - 130	10.362	10.66022	-0.2982	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0J06051</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
PDI-083SC-A-08-09-191022 (A0I0556-23RE1) Lab File ID: ECD8-10062040.D Analyzed: 10/06/20 23:37								
2,4,5,6-TCMX (Surr)	89.9	88	42 - 129	5.103	5.390778	-0.2878	+/-1.0	
Decachlorobiphenyl (Surr)	89.9	107	55 - 130	9.278	9.595333	-0.3173	+/-1.0	
PDI-083SC-A-09-10-191022 (A0I0556-24RE1) Lab File ID: ECD8-10062042.D Analyzed: 10/07/20 00:14								
2,4,5,6-TCMX (Surr)	82.9	74	42 - 129	5.102	5.390778	-0.2888	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	82.9	118	55 - 130	10.361	10.66022	-0.2992	+/-1.0	
PDI-083SC-A-14-15-191022 (A0I0556-28RE1) Lab File ID: ECD8-10062044.D Analyzed: 10/07/20 00:51								
2,4,5,6-TCMX (Surr)	84.1	75	42 - 129	5.101	5.390778	-0.2898	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	84.1	121	55 - 130	10.36	10.66022	-0.3002	+/-1.0	
PDI-048SC-A-08-11-200506 (A0I0556-04RE1) Lab File ID: ECD8-10062046.D Analyzed: 10/07/20 01:28								
2,4,5,6-TCMX (Surr)	86.0	323	42 - 129	5.102	5.390778	-0.2888	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	86.0	199	55 - 130	10.36	10.66022	-0.3002	+/-1.0	*
Duplicate (0100091-DUP1) Lab File ID: ECD8-10062048.D Analyzed: 10/07/20 02:05								
2,4,5,6-TCMX (Surr)	86.2	283	42 - 129	5.102	5.390778	-0.2888	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	86.2	185	55 - 130	10.36	10.66022	-0.3002	+/-1.0	*
PDI-069SC-B-08-10-191016 (A0I0556-07RE1) Lab File ID: ECD8-10062050.D Analyzed: 10/07/20 02:42								
2,4,5,6-TCMX (Surr)	75.8	126	42 - 129	5.101	5.390778	-0.2898	+/-1.0	
Decachlorobiphenyl (Surr)	75.8	114	55 - 130	9.276	9.595333	-0.3193	+/-1.0	
PDI-069SC-A-10-11-191016 (A0I0556-08RE1) Lab File ID: ECD8-10062052.D Analyzed: 10/07/20 03:19								
2,4,5,6-TCMX (Surr)	87.7	100	42 - 129	5.1	5.390778	-0.2908	+/-1.0	
Decachlorobiphenyl (Surr)	87.7	105	55 - 130	9.274	9.595333	-0.3213	+/-1.0	
Calibration Check (0J06051-CCV9) Lab File ID: ECD8-10062054.D Analyzed: 10/07/20 03:56								
2,4,5,6-TCMX (Surr)	50.0	94	80 - 120	5.1	5.390778	-0.2908	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	79	80 - 120	5.846	6.079444	-0.2334	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	96	80 - 120	9.276	9.595333	-0.3193	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	114	80 - 120	10.359	10.66022	-0.3012	+/-1.0	
Calibration Blank (0J06051-CCB3) Lab File ID: ECD8-10062056.D Analyzed: 10/07/20 04:29								
2,4,5,6-TCMX (Surr) [2C]	100	85	42 - 129	5.845	6.079444	-0.2344	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	107	55 - 130	10.359	10.66022	-0.3012	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0J07055</u>	Instrument: <u>DUALECD8</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0G2005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J07055-CCV1) Lab File ID: ECD8-10072004.D Analyzed: 10/07/20 12:18								
2,4,5,6-TCMX (Surr)	50.0	86	80 - 120	5.101	5.390778	-0.2898	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	71	80 - 120	5.846	6.079444	-0.2334	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	85	80 - 120	9.28	9.595333	-0.3153	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	101	80 - 120	10.363	10.66022	-0.2972	+/-1.0	
Calibration Blank (0J07055-CCB1) Lab File ID: ECD8-10072006.D Analyzed: 10/07/20 12:51								
2,4,5,6-TCMX (Surr) [2C]	100	74	42 - 129	5.846	6.079444	-0.2334	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	88	55 - 130	10.362	10.66022	-0.2982	+/-1.0	
Calibration Check (0J07055-CCV3) Lab File ID: ECD8-10072014.D Analyzed: 10/07/20 15:12								
2,4,5,6-TCMX (Surr)	100	90	80 - 120	5.1	5.390778	-0.2908	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	79	80 - 120	5.846	6.079444	-0.2334	+/-1.0	*
Decachlorobiphenyl (Surr)	100	80	80 - 120	9.279	9.595333	-0.3163	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	92	80 - 120	10.362	10.66022	-0.2982	+/-1.0	
Calibration Blank (0J07055-CCB2) Lab File ID: ECD8-10072016.D Analyzed: 10/07/20 15:45								
2,4,5,6-TCMX (Surr) [2C]	100	75	42 - 129	5.845	6.079444	-0.2344	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	92	55 - 130	10.363	10.66022	-0.2972	+/-1.0	
PDI-073SC-A-08-09-191013 (A0I0556-09RE1) Lab File ID: ECD8-10072017.D Analyzed: 10/07/20 16:07								
2,4,5,6-TCMX (Surr)	75.4	83	42 - 129	5.099	5.390778	-0.2918	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	75.4	126	55 - 130	10.363	10.66022	-0.2972	+/-1.0	
PDI-073SC-A-09-10-191013 (A0I0556-10RE1) Lab File ID: ECD8-10072019.D Analyzed: 10/07/20 16:44								
2,4,5,6-TCMX (Surr)	78.8	74	42 - 129	5.098	5.390778	-0.2928	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	78.8	113	55 - 130	10.359	10.66022	-0.3012	+/-1.0	
PDI-083SC-B-10-12-191022 (A0I0556-27RE2) Lab File ID: ECD8-10072021.D Analyzed: 10/07/20 17:21								
2,4,5,6-TCMX (Surr)	85.3	77	42 - 129	5.098	5.390778	-0.2928	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	85.3	116	55 - 130	10.359	10.66022	-0.3012	+/-1.0	
PDI-078SC-A-07-08-200505 (A0I0556-21RE2) Lab File ID: ECD8-10072023.D Analyzed: 10/07/20 17:58								
2,4,5,6-TCMX (Surr)	78.3	90	42 - 129	5.097	5.390778	-0.2938	+/-1.0	
Decachlorobiphenyl (Surr)	78.3	110	55 - 130	9.274	9.595333	-0.3213	+/-1.0	
Calibration Check (0J07055-CCV5) Lab File ID: ECD8-10072029.D Analyzed: 10/07/20 19:42								
2,4,5,6-TCMX (Surr)	50.0	88	80 - 120	5.098	5.390778	-0.2928	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	74	80 - 120	5.843	6.079444	-0.2364	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	80	80 - 120	9.275	9.595333	-0.3203	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	93	80 - 120	10.357	10.66022	-0.3032	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

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-048SC-A-08-11-200506	05/06/20 11:15	05/07/20 10:07	10/02/20 10:19	148.96	14.00	10/07/20 01:28	4.63	40.00	*
PDI-069SC-B-08-10-191016	10/16/19 10:38	05/07/20 10:07	10/02/20 10:19	351.99	14.00	10/07/20 02:42	4.68	40.00	*
PDI-069SC-A-10-11-191016	10/16/19 10:35	05/07/20 10:07	10/02/20 10:19	351.99	14.00	10/07/20 03:19	4.71	40.00	*
PDI-073SC-A-08-09-191013	10/13/19 10:41	05/07/20 10:07	10/02/20 10:19	354.98	14.00	10/07/20 16:07	5.24	40.00	*
PDI-073SC-A-09-10-191013	10/13/19 10:41	05/07/20 10:07	10/02/20 10:19	354.98	14.00	10/07/20 16:44	5.27	40.00	*
PDI-073SC-A-10-11-191013	10/13/19 10:41	05/07/20 10:07	10/02/20 10:19	354.98	14.00	10/06/20 19:05	4.37	40.00	*
PDI-075SC-B-08-10-191013	10/13/19 07:35	05/07/20 10:07	10/02/20 10:19	355.11	14.00	10/06/20 19:42	4.39	40.00	*
PDI-075SC-B-10-12-191013	10/13/19 07:35	05/07/20 10:07	10/02/20 10:19	355.11	14.00	10/06/20 20:19	4.42	40.00	*
PDI-075SC-B-12-14-191013	10/13/19 07:35	05/07/20 10:07	10/02/20 10:19	355.11	14.00	10/06/20 21:46	4.48	40.00	*
PDI-078SC-A-07-08-200505	05/05/20 10:50	05/07/20 10:07	10/02/20 10:19	149.98	14.00	10/06/20 22:23	4.50	40.00	*
PDI-078SC-A-07-08-200505	05/05/20 10:50	05/07/20 10:07	10/02/20 10:19	149.98	14.00	10/07/20 17:58	5.32	40.00	*
PDI-079SC-B-06-08-191014	10/14/19 13:15	05/07/20 10:07	10/02/20 10:19	353.88	14.00	10/06/20 23:00	4.53	40.00	*
PDI-083SC-A-08-09-191022	10/22/19 14:07	05/07/20 10:07	10/02/20 10:19	345.84	14.00	10/06/20 23:37	4.55	40.00	*
PDI-083SC-A-09-10-191022	10/22/19 14:07	05/07/20 10:07	10/02/20 10:19	345.84	14.00	10/07/20 00:14	4.58	40.00	*
PDI-083SC-B-10-12-191022	10/22/19 14:05	05/07/20 10:07	10/02/20 10:19	345.84	14.00	10/07/20 17:21	5.29	40.00	*
PDI-083SC-A-14-15-191022	10/22/19 14:07	05/07/20 10:07	10/02/20 10:19	345.84	14.00	10/07/20 00:51	4.61	40.00	*
PDI-171SC-A-01-02-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 07:06	126.66	14.00	09/29/20 13:41	4.27	40.00	*
PDI-171SC-A-02-03-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 07:06	126.66	14.00	09/29/20 14:14	4.30	40.00	*
PDI-171SC-A-03-04-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 07:06	126.66	14.00	09/29/20 14:31	4.31	40.00	*
PDI-171SC-A-04-05-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 07:06	126.66	14.00	09/29/20 17:17	4.42	40.00	*
PDI-171SC-A-05-06-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 07:06	126.66	14.00	09/29/20 17:01	4.41	40.00	*
PDI-171SC-A-06-07-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 07:06	126.66	14.00	09/29/20 17:34	4.44	40.00	*
PDI-173SC-A-01-02-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 07:06	126.81	14.00	09/29/20 14:48	4.32	40.00	*
PDI-173SC-A-02-03-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 07:06	126.81	14.00	09/29/20 15:04	4.33	40.00	*

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0I0556

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-173SC-A-03-04-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 07:06	126.81	14.00	09/29/20 16:44	4.40	40.00	*
PDI-174SC-A-01-02-200521	05/21/20 12:10	05/07/20 10:07	09/25/20 07:06	126.79	14.00	09/29/20 15:37	4.35	40.00	*
PDI-174SC-A-02-03-200521	05/21/20 12:10	05/07/20 10:07	09/25/20 07:06	126.79	14.00	09/29/20 15:21	4.34	40.00	*
PDI-018SC-A-00-01-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 07:06	364.93	14.00	09/29/20 18:11	4.46	40.00	*
PDI-018SC-A-01-02-190926	09/26/19 08:54	05/07/20 10:07	09/29/20 10:55	369.08	14.00	09/30/20 15:57	1.21	40.00	*
PDI-018SC-A-02-03-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 07:06	364.93	14.00	09/29/20 18:48	4.49	40.00	*
PDI-018SC-A-03-04-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 07:06	364.93	14.00	09/29/20 19:25	4.51	40.00	*
PDI-018SC-A-04-05-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 07:06	364.93	14.00	09/29/20 20:02	4.54	40.00	*
PDI-018SC-A-05-06-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 07:06	364.93	14.00	09/29/20 20:39	4.56	40.00	*
PDI-083SC-B-12-14-191022	10/22/19 14:05	05/07/20 10:07	10/01/20 07:03	344.71	14.00	10/02/20 15:25	1.35	40.00	*

Apex Laboratories

SDG: A0I0556
CLASS: GCMS
METHOD: EPA 8270D

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-171SC-A-01-02-200521</u>	<u>A0I0556-29</u>	<u>SE</u>
<u>PDI-171SC-A-02-03-200521</u>	<u>A0I0556-30</u>	<u>SE</u>
<u>PDI-171SC-A-03-04-200521</u>	<u>A0I0556-31</u>	<u>SE</u>
<u>PDI-171SC-A-04-05-200521</u>	<u>A0I0556-32</u>	<u>SE</u>
<u>PDI-171SC-A-05-06-200521</u>	<u>A0I0556-33</u>	<u>SE</u>
<u>PDI-171SC-A-06-07-200521</u>	<u>A0I0556-34</u>	<u>SE</u>
<u>PDI-173SC-A-01-02-200521</u>	<u>A0I0556-35</u>	<u>SE</u>
<u>PDI-173SC-A-02-03-200521</u>	<u>A0I0556-36</u>	<u>SE</u>
<u>PDI-173SC-A-03-04-200521</u>	<u>A0I0556-37</u>	<u>SE</u>
<u>PDI-174SC-A-01-02-200521</u>	<u>A0I0556-38</u>	<u>SE</u>
<u>PDI-174SC-A-02-03-200521</u>	<u>A0I0556-39</u>	<u>SE</u>
<u>PDI-018SC-A-00-01-190926</u>	<u>A0I0556-40</u>	<u>SE</u>
<u>PDI-018SC-A-01-02-190926</u>	<u>A0I0556-41</u>	<u>SE</u>
<u>PDI-018SC-A-02-03-190926</u>	<u>A0I0556-42</u>	<u>SE</u>
<u>PDI-018SC-A-03-04-190926</u>	<u>A0I0556-43</u>	<u>SE</u>
<u>PDI-018SC-A-04-05-190926</u>	<u>A0I0556-44</u>	<u>SE</u>
<u>PDI-018SC-A-05-06-190926</u>	<u>A0I0556-45</u>	<u>SE</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/11/2020 9:52AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8270D

Laboratory: Apex Laboratories

SDG: A010556

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

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

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

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-171SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-29</u>	File ID: <u>N09252007.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 16:37</u>
Solids: <u>54.43</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.86 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u> Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	400	2240	D
208-96-8	Acenaphthylene	400	954	JD
120-12-7	Anthracene	400	2810	D
56-55-3	Benz(a)anthracene	400	3690	D
50-32-8	Benzo(a)pyrene	400	5610	D
205-99-2	Benzo(b)fluoranthene	400	4200	D
207-08-9	Benzo(k)fluoranthene	400	1570	JD
191-24-2	Benzo(g,h,i)perylene	400	3910	D
218-01-9	Chrysene	400	4260	D
53-70-3	Dibenz(a,h)anthracene	400	846	U
206-44-0	Fluoranthene	400	12800	D
86-73-7	Fluorene	400	1400	JD
193-39-5	Indeno(1,2,3-cd)pyrene	400	3360	D
91-57-6	2-Methylnaphthalene	400	846	U
91-20-3	Naphthalene	400	846	U
85-01-8	Phenanthrene	400	11800	D
129-00-0	Pyrene	400	13300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	84.6	67.7	80	44 - 120	D
p-Terphenyl-d14 (Surr)	84.6	94.7	112	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	280280	7.743	261761	7.743	
Acenaphthene-d10 (ISTD)	174938	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	349418	10.996	358152	10.996	
Chrysene-d12 (ISTD)	350889	14.633	367719	14.638	
Perylene-d12 (ISTD)	325274	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	255290	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-171SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-30</u>	File ID: <u>N09252009.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 17:45</u>
Solids: <u>43.04</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11.02 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	200	527	U
208-96-8	Acenaphthylene	200	527	U
120-12-7	Anthracene	200	668	JD
56-55-3	Benz(a)anthracene	200	801	JD
50-32-8	Benzo(a)pyrene	200	1110	D
205-99-2	Benzo(b)fluoranthene	200	881	JD
207-08-9	Benzo(k)fluoranthene	200	527	U
191-24-2	Benzo(g,h,i)perylene	200	778	JD
218-01-9	Chrysene	200	930	JD
53-70-3	Dibenz(a,h)anthracene	200	527	U
206-44-0	Fluoranthene	200	1540	D
86-73-7	Fluorene	200	527	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	645	JD
91-57-6	2-Methylnaphthalene	200	527	U
91-20-3	Naphthalene	200	527	U
85-01-8	Phenanthrene	200	1580	D
129-00-0	Pyrene	200	1620	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	105	67.5	64	44 - 120	D
p-Terphenyl-d14 (Surr)	105	69.6	66	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	268453	7.743	261761	7.743	
Acenaphthene-d10 (ISTD)	172102	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	347581	10.996	358152	10.996	
Chrysene-d12 (ISTD)	353295	14.633	367719	14.638	
Perylene-d12 (ISTD)	336310	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	272093	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-171SC-A-03-04-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-31</u>	File ID: <u>N09252010.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 18:18</u>
Solids: <u>56.27</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11.01 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	100	347	JD
208-96-8	Acenaphthylene	100	202	U
120-12-7	Anthracene	100	217	JD
56-55-3	Benz(a)anthracene	100	314	JD
50-32-8	Benzo(a)pyrene	100	521	D
205-99-2	Benzo(b)fluoranthene	100	418	D
207-08-9	Benzo(k)fluoranthene	100	202	U
191-24-2	Benzo(g,h,i)perylene	100	399	JD
218-01-9	Chrysene	100	380	JD
53-70-3	Dibenz(a,h)anthracene	100	202	U
206-44-0	Fluoranthene	100	850	D
86-73-7	Fluorene	100	220	JD
193-39-5	Indeno(1,2,3-cd)pyrene	100	339	JD
91-57-6	2-Methylnaphthalene	100	202	U
91-20-3	Naphthalene	100	219	JD
85-01-8	Phenanthrene	100	1030	D
129-00-0	Pyrene	100	851	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	80.7	50.0	62	44 - 120	D
p-Terphenyl-d14 (Surr)	80.7	58.1	72	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	274369	7.743	261761	7.743	
Acenaphthene-d10 (ISTD)	174445	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	351364	10.996	358152	10.996	
Chrysene-d12 (ISTD)	357759	14.633	367719	14.638	
Perylene-d12 (ISTD)	340139	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	273561	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-171SC-A-04-05-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-32</u>	File ID: <u>N09252011.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 18:51</u>
Solids: <u>57.73</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.88 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	500	3060	D
208-96-8	Acenaphthylene	500	1750	JD
120-12-7	Anthracene	500	5210	D
56-55-3	Benz(a)anthracene	500	6010	D
50-32-8	Benzo(a)pyrene	500	9590	D
205-99-2	Benzo(b)fluoranthene	500	7310	D
207-08-9	Benzo(k)fluoranthene	500	2540	D
191-24-2	Benzo(g,h,i)perylene	500	6780	D
218-01-9	Chrysene	500	7880	D
53-70-3	Dibenz(a,h)anthracene	500	995	U
206-44-0	Fluoranthene	500	20800	D
86-73-7	Fluorene	500	2720	D
193-39-5	Indeno(1,2,3-cd)pyrene	500	5720	D
91-57-6	2-Methylnaphthalene	500	995	U
91-20-3	Naphthalene	500	2250	D
85-01-8	Phenanthrene	500	22500	D
129-00-0	Pyrene	500	20600	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	79.6	47.8	60	44 - 120	D
p-Terphenyl-d14 (Surr)	79.6	63.7	80	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	276434	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	179216	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	363753	10.996	358152	10.996	
Chrysene-d12 (ISTD)	367254	14.633	367719	14.638	
Perylene-d12 (ISTD)	345775	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	263807	20.461	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-171SC-A-05-06-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-33</u>	File ID: <u>N09252012.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 19:24</u>
Solids: <u>68.56</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.81 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	400	4560	D
208-96-8	Acenaphthylene	400	815	JD
120-12-7	Anthracene	400	3540	D
56-55-3	Benz(a)anthracene	400	3280	D
50-32-8	Benzo(a)pyrene	400	4810	D
205-99-2	Benzo(b)fluoranthene	400	3630	D
207-08-9	Benzo(k)fluoranthene	400	1210	JD
191-24-2	Benzo(g,h,i)perylene	400	3330	D
218-01-9	Chrysene	400	3870	D
53-70-3	Dibenz(a,h)anthracene	400	675	U
206-44-0	Fluoranthene	400	12300	D
86-73-7	Fluorene	400	2920	D
193-39-5	Indeno(1,2,3-cd)pyrene	400	2800	D
91-57-6	2-Methylnaphthalene	400	675	U
91-20-3	Naphthalene	400	675	U
85-01-8	Phenanthrene	400	18100	D
129-00-0	Pyrene	400	12900	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	67.5	43.2	64	44 - 120	D
p-Terphenyl-d14 (Surr)	67.5	59.4	88	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	273417	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	176139	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	359161	10.996	358152	10.996	
Chrysene-d12 (ISTD)	361719	14.633	367719	14.638	
Perylene-d12 (ISTD)	339293	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	262438	20.461	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-171SC-A-06-07-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-34</u>	File ID: <u>N09252013.D</u>
Sampled: <u>05/21/20 15:15</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 19:58</u>
Solids: <u>67.52</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11.57 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	10000	114000	D
208-96-8	Acenaphthylene	10000	20300	JD
120-12-7	Anthracene	10000	58800	D
56-55-3	Benz(a)anthracene	10000	74100	D
50-32-8	Benzo(a)pyrene	10000	117000	D
205-99-2	Benzo(b)fluoranthene	10000	84200	D
207-08-9	Benzo(k)fluoranthene	10000	29600	JD
191-24-2	Benzo(g,h,i)perylene	10000	83400	D
218-01-9	Chrysene	10000	85400	D
53-70-3	Dibenz(a,h)anthracene	10000	16000	U
206-44-0	Fluoranthene	10000	250000	D
86-73-7	Fluorene	10000	54700	D
193-39-5	Indeno(1,2,3-cd)pyrene	10000	66800	D
91-57-6	2-Methylnaphthalene	10000	16000	U
91-20-3	Naphthalene	10000	16000	U
85-01-8	Phenanthrene	10000	261000	D
129-00-0	Pyrene	10000	269000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	64.0	0.00		44 - 120	D
p-Terphenyl-d14 (Surr)	64.0	256	400	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	271247	7.743	261761	7.743	
Acenaphthene-d10 (ISTD)	173708	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	347063	10.996	358152	10.996	
Chrysene-d12 (ISTD)	343318	14.633	367719	14.638	
Perylene-d12 (ISTD)	316645	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	245230	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-173SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-35</u>	File ID: <u>N09252014.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 20:31</u>
Solids: <u>77.41</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.49 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	40	320	D
208-96-8	Acenaphthylene	40	85.5	JD
120-12-7	Anthracene	40	80.8	JD
56-55-3	Benz(a)anthracene	40	277	D
50-32-8	Benzo(a)pyrene	40	401	D
205-99-2	Benzo(b)fluoranthene	40	314	D
207-08-9	Benzo(k)fluoranthene	40	105	JD
191-24-2	Benzo(g,h,i)perylene	40	290	D
218-01-9	Chrysene	40	329	D
53-70-3	Dibenz(a,h)anthracene	40	61.6	U
206-44-0	Fluoranthene	40	939	D
86-73-7	Fluorene	40	136	D
193-39-5	Indeno(1,2,3-cd)pyrene	40	241	D
91-57-6	2-Methylnaphthalene	40	61.6	U
91-20-3	Naphthalene	40	61.6	U
85-01-8	Phenanthrene	40	536	D
129-00-0	Pyrene	40	994	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	61.6	43.6	71	44 - 120	D
p-Terphenyl-d14 (Surr)	61.6	50.2	82	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	273148	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	172806	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	351872	10.996	358152	10.996	
Chrysene-d12 (ISTD)	380806	14.633	367719	14.638	
Perylene-d12 (ISTD)	362666	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	280974	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-173SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-36</u>	File ID: <u>N09252015.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 21:03</u>
Solids: <u>74.97</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11.26 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	100	397	D
208-96-8	Acenaphthylene	100	148	U
120-12-7	Anthracene	100	148	U
56-55-3	Benz(a)anthracene	100	445	D
50-32-8	Benzo(a)pyrene	100	772	D
205-99-2	Benzo(b)fluoranthene	100	675	D
207-08-9	Benzo(k)fluoranthene	100	220	JD
191-24-2	Benzo(g,h,i)perylene	100	520	D
218-01-9	Chrysene	100	521	D
53-70-3	Dibenz(a,h)anthracene	100	148	U
206-44-0	Fluoranthene	100	1050	D
86-73-7	Fluorene	100	186	JD
193-39-5	Indeno(1,2,3-cd)pyrene	100	500	D
91-57-6	2-Methylnaphthalene	100	148	U
91-20-3	Naphthalene	100	148	U
85-01-8	Phenanthrene	100	801	D
129-00-0	Pyrene	100	1100	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	59.2	42.6	72	44 - 120	D
p-Terphenyl-d14 (Surr)	59.2	48.6	82	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	278529	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	176887	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	356876	10.996	358152	10.996	
Chrysene-d12 (ISTD)	359537	14.633	367719	14.638	
Perylene-d12 (ISTD)	339444	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	272420	20.461	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-173SC-A-03-04-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-37</u>	File ID: <u>N09252016.D</u>
Sampled: <u>05/21/20 11:45</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 21:36</u>
Solids: <u>69.06</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.89 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	100	1040	D
208-96-8	Acenaphthylene	100	351	D
120-12-7	Anthracene	100	332	D
56-55-3	Benz(a)anthracene	100	916	D
50-32-8	Benzo(a)pyrene	100	1460	D
205-99-2	Benzo(b)fluoranthene	100	1160	D
207-08-9	Benzo(k)fluoranthene	100	407	D
191-24-2	Benzo(g,h,i)perylene	100	1090	D
218-01-9	Chrysene	100	1050	D
53-70-3	Dibenz(a,h)anthracene	100	166	U
206-44-0	Fluoranthene	100	2680	D
86-73-7	Fluorene	100	342	D
193-39-5	Indeno(1,2,3-cd)pyrene	100	896	D
91-57-6	2-Methylnaphthalene	100	166	U
91-20-3	Naphthalene	100	166	U
85-01-8	Phenanthrene	100	1250	D
129-00-0	Pyrene	100	2880	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	66.5	51.2	77	44 - 120	D
p-Terphenyl-d14 (Surr)	66.5	49.9	75	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	284809	7.743	261761	7.743	
Acenaphthene-d10 (ISTD)	174128	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	343877	10.996	358152	10.996	
Chrysene-d12 (ISTD)	337341	14.633	367719	14.638	
Perylene-d12 (ISTD)	329839	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	248719	20.462	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-174SC-A-01-02-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-38</u>	File ID: <u>N09252017.D</u>
Sampled: <u>05/21/20 12:10</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 22:08</u>
Solids: <u>76.82</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11.06 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	100	2090	D
208-96-8	Acenaphthylene	100	590	D
120-12-7	Anthracene	100	1580	D
56-55-3	Benz(a)anthracene	100	2020	D
50-32-8	Benzo(a)pyrene	100	2800	D
205-99-2	Benzo(b)fluoranthene	100	2130	D
207-08-9	Benzo(k)fluoranthene	100	777	D
191-24-2	Benzo(g,h,i)perylene	100	1910	D
218-01-9	Chrysene	100	2480	D
53-70-3	Dibenz(a,h)anthracene	100	204	JD
206-44-0	Fluoranthene	100	7080	D
86-73-7	Fluorene	100	985	D
193-39-5	Indeno(1,2,3-cd)pyrene	100	1600	D
91-57-6	2-Methylnaphthalene	100	147	U
91-20-3	Naphthalene	100	147	U
85-01-8	Phenanthrene	100	4630	D
129-00-0	Pyrene	100	6750	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	58.8	48.8	83	44 - 120	D
p-Terphenyl-d14 (Surr)	58.8	53.0	90	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	267139	7.738	261761	7.743	
Acenaphthene-d10 (ISTD)	167419	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	353139	10.996	358152	10.996	
Chrysene-d12 (ISTD)	393806	14.633	367719	14.638	
Perylene-d12 (ISTD)	385389	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	293247	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-174SC-A-02-03-200521

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-39</u>	File ID: <u>N09252018.D</u>
Sampled: <u>05/21/20 12:10</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 22:41</u>
Solids: <u>76.31</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.63 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	400	2600	D
208-96-8	Acenaphthylene	400	1310	D
120-12-7	Anthracene	400	1230	D
56-55-3	Benz(a)anthracene	400	5200	D
50-32-8	Benzo(a)pyrene	400	6870	D
205-99-2	Benzo(b)fluoranthene	400	5170	D
207-08-9	Benzo(k)fluoranthene	400	1740	D
191-24-2	Benzo(g,h,i)perylene	400	4540	D
218-01-9	Chrysene	400	6000	D
53-70-3	Dibenz(a,h)anthracene	400	616	U
206-44-0	Fluoranthene	400	15300	D
86-73-7	Fluorene	400	1210	JD
193-39-5	Indeno(1,2,3-cd)pyrene	400	3790	D
91-57-6	2-Methylnaphthalene	400	616	U
91-20-3	Naphthalene	400	616	U
85-01-8	Phenanthrene	400	5110	D
129-00-0	Pyrene	400	15600	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	61.6	54.2	88	44 - 120	D
p-Terphenyl-d14 (Surr)	61.6	61.6	100	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	276510	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	172614	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	348798	10.996	358152	10.996	
Chrysene-d12 (ISTD)	376922	14.633	367719	14.638	
Perylene-d12 (ISTD)	365776	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	284673	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-018SC-A-00-01-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-40RE1</u>	File ID: <u>N09292009.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/29/20 07:02</u>	Analyzed: <u>09/29/20 12:28</u>
Solids: <u>87.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.03 g / 5 mL</u>
Batch: <u>0090828</u>	Sequence: <u>0I29037</u>	Calibration: <u>A0H1005</u> Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	100	6260	D
208-96-8	Acenaphthylene	100	806	D
120-12-7	Anthracene	100	4410	D
56-55-3	Benz(a)anthracene	100	3270	D
50-32-8	Benzo(a)pyrene	100	4590	D
205-99-2	Benzo(b)fluoranthene	100	3420	D
207-08-9	Benzo(k)fluoranthene	100	1140	D
191-24-2	Benzo(g,h,i)perylene	100	2960	D
218-01-9	Chrysene	100	3560	D
53-70-3	Dibenz(a,h)anthracene	100	312	D
206-44-0	Fluoranthene	100	11600	D
86-73-7	Fluorene	100	3600	D
193-39-5	Indeno(1,2,3-cd)pyrene	100	2460	D
91-57-6	2-Methylnaphthalene	100	143	U
91-20-3	Naphthalene	100	626	D
85-01-8	Phenanthrene	100	19500	D
129-00-0	Pyrene	100	12000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	57.1	43.4	76	44 - 120	D
p-Terphenyl-d14 (Surr)	57.1	53.1	93	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	237460	7.749	228579	7.743	
Acenaphthene-d10 (ISTD)	164171	9.498	165446	9.492	
Phenanthrene-d10 (ISTD)	339282	11.001	335704	10.996	
Chrysene-d12 (ISTD)	356796	14.638	320974	14.638	
Perylene-d12 (ISTD)	344533	18.095	290316	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	271032	20.473	218507	20.467	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-018SC-A-01-02-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-41RE1</u>	File ID: <u>N09292011.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/29/20 07:02</u>	Analyzed: <u>09/29/20 13:33</u>
Solids: <u>86.51</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.08 g / 5 mL</u>
Batch: <u>0090828</u>	Sequence: <u>0I29037</u>	Calibration: <u>A0H1005</u> Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	26000	D
208-96-8	Acenaphthylene	1000	9530	D
120-12-7	Anthracene	1000	21100	D
56-55-3	Benz(a)anthracene	1000	42200	D
50-32-8	Benzo(a)pyrene	1000	59800	D
205-99-2	Benzo(b)fluoranthene	1000	43600	D
207-08-9	Benzo(k)fluoranthene	1000	15500	D
191-24-2	Benzo(g,h,i)perylene	1000	36900	D
218-01-9	Chrysene	1000	46600	D
53-70-3	Dibenz(a,h)anthracene	1000	4040	D
206-44-0	Fluoranthene	1000	144000	D
86-73-7	Fluorene	1000	7590	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	31200	D
91-57-6	2-Methylnaphthalene	1000	1430	U
91-20-3	Naphthalene	1000	5690	D
85-01-8	Phenanthrene	1000	16700	D
129-00-0	Pyrene	1000	139000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	57.3	63.1	110	44 - 120	D
p-Terphenyl-d14 (Surr)	57.3	115	200	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	245897	7.743	228579	7.743	
Acenaphthene-d10 (ISTD)	164919	9.492	165446	9.492	
Phenanthrene-d10 (ISTD)	351412	10.996	335704	10.996	
Chrysene-d12 (ISTD)	386318	14.639	320974	14.638	
Perylene-d12 (ISTD)	381338	18.089	290316	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	300642	20.467	218507	20.467	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-018SC-A-02-03-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-42RE1</u>	File ID: <u>N09292007.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/29/20 07:02</u>	Analyzed: <u>09/29/20 11:16</u>
Solids: <u>71.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.07 g / 5 mL</u>
Batch: <u>0090828</u>	Sequence: <u>0I29037</u>	Calibration: <u>A0H1005</u> Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	12000	D
208-96-8	Acenaphthylene	1000	8450	D
120-12-7	Anthracene	1000	8710	D
56-55-3	Benz(a)anthracene	1000	23000	D
50-32-8	Benzo(a)pyrene	1000	40600	D
205-99-2	Benzo(b)fluoranthene	1000	29800	D
207-08-9	Benzo(k)fluoranthene	1000	11500	D
191-24-2	Benzo(g,h,i)perylene	1000	29300	D
218-01-9	Chrysene	1000	31600	D
53-70-3	Dibenz(a,h)anthracene	1000	2770	JD
206-44-0	Fluoranthene	1000	61600	D
86-73-7	Fluorene	1000	1740	U
193-39-5	Indeno(1,2,3-cd)pyrene	1000	23600	D
91-57-6	2-Methylnaphthalene	1000	2000	JD
91-20-3	Naphthalene	1000	17900	D
85-01-8	Phenanthrene	1000	8700	D
129-00-0	Pyrene	1000	81100	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	69.7	62.7	90	44 - 120	D
p-Terphenyl-d14 (Surr)	69.7	118	170	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	241051	7.743	228579	7.743	
Acenaphthene-d10 (ISTD)	162139	9.492	165446	9.492	
Phenanthrene-d10 (ISTD)	327640	10.996	335704	10.996	
Chrysene-d12 (ISTD)	333627	14.633	320974	14.638	
Perylene-d12 (ISTD)	317549	18.083	290316	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	245099	20.467	218507	20.467	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-018SC-A-03-04-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-43</u>	File ID: <u>N09252019.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 23:13</u>
Solids: <u>67.51</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11.01 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	13900	D
208-96-8	Acenaphthylene	1000	8900	D
120-12-7	Anthracene	1000	8320	D
56-55-3	Benz(a)anthracene	1000	26100	D
50-32-8	Benzo(a)pyrene	1000	43000	D
205-99-2	Benzo(b)fluoranthene	1000	31800	D
207-08-9	Benzo(k)fluoranthene	1000	10700	D
191-24-2	Benzo(g,h,i)perylene	1000	30600	D
218-01-9	Chrysene	1000	30100	D
53-70-3	Dibenz(a,h)anthracene	1000	2780	JD
206-44-0	Fluoranthene	1000	80600	D
86-73-7	Fluorene	1000	2800	JD
193-39-5	Indeno(1,2,3-cd)pyrene	1000	25000	D
91-57-6	2-Methylnaphthalene	1000	1680	U
91-20-3	Naphthalene	1000	6190	D
85-01-8	Phenanthrene	1000	5070	D
129-00-0	Pyrene	1000	96500	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	67.3	80.7	120	44 - 120	D
p-Terphenyl-d14 (Surr)	67.3	101	150	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	285657	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	178536	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	367514	10.996	358152	10.996	
Chrysene-d12 (ISTD)	397528	14.633	367719	14.638	
Perylene-d12 (ISTD)	389357	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	308075	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-018SC-A-04-05-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-44</u>	File ID: <u>N09252020.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/25/20 23:44</u>
Solids: <u>70.49</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.98 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	22600	D
208-96-8	Acenaphthylene	1000	9290	D
120-12-7	Anthracene	1000	8580	D
56-55-3	Benz(a)anthracene	1000	22700	D
50-32-8	Benzo(a)pyrene	1000	40700	D
205-99-2	Benzo(b)fluoranthene	1000	30400	D
207-08-9	Benzo(k)fluoranthene	1000	10400	D
191-24-2	Benzo(g,h,i)perylene	1000	29300	D
218-01-9	Chrysene	1000	25800	D
53-70-3	Dibenz(a,h)anthracene	1000	2730	JD
206-44-0	Fluoranthene	1000	77400	D
86-73-7	Fluorene	1000	9150	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	23900	D
91-57-6	2-Methylnaphthalene	1000	3840	D
91-20-3	Naphthalene	1000	25400	D
85-01-8	Phenanthrene	1000	13600	D
129-00-0	Pyrene	1000	76100	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	64.6	71.1	110	44 - 120	D
p-Terphenyl-d14 (Surr)	64.6	96.9	150	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	285363	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	178723	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	366354	10.996	358152	10.996	
Chrysene-d12 (ISTD)	400862	14.633	367719	14.638	
Perylene-d12 (ISTD)	392273	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	312095	20.467	248688	20.473	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-018SC-A-05-06-190926

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0I0556-45</u>	File ID: <u>N09252021.D</u>
Sampled: <u>09/26/19 08:54</u>	Prepared: <u>09/25/20 10:22</u>	Analyzed: <u>09/26/20 00:16</u>
Solids: <u>72.56</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.83 g / 5 mL</u>
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	16600	D
208-96-8	Acenaphthylene	1000	5010	D
120-12-7	Anthracene	1000	7440	D
56-55-3	Benz(a)anthracene	1000	15400	D
50-32-8	Benzo(a)pyrene	1000	24900	D
205-99-2	Benzo(b)fluoranthene	1000	18700	D
207-08-9	Benzo(k)fluoranthene	1000	6070	D
191-24-2	Benzo(g,h,i)perylene	1000	18000	D
218-01-9	Chrysene	1000	17600	D
53-70-3	Dibenz(a,h)anthracene	1000	1700	JD
206-44-0	Fluoranthene	1000	55300	D
86-73-7	Fluorene	1000	7460	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	14800	D
91-57-6	2-Methylnaphthalene	1000	1680	JD
91-20-3	Naphthalene	1000	6570	D
85-01-8	Phenanthrene	1000	19700	D
129-00-0	Pyrene	1000	59100	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	63.6	70.0	110	44 - 120	D
p-Terphenyl-d14 (Surr)	63.6	102	160	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	280079	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	180807	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	381325	10.996	358152	10.996	
Chrysene-d12 (ISTD)	394386	14.633	367719	14.638	
Perylene-d12 (ISTD)	383913	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	295365	20.467	248688	20.473	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090743

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0090743-BLK1	N09252005.D	09/25/20 10:22	
LCS	0090743-BS1	N09252006.D	09/25/20 10:22	
PDI-171SC-A-01-02-200521 (Dup)	0090743-DUP1	N09252008.D	09/25/20 10:22	
PDI-171SC-A-01-02-200521	A0I0556-29	N09252007.D	09/25/20 10:22	
PDI-171SC-A-02-03-200521	A0I0556-30	N09252009.D	09/25/20 10:22	
PDI-171SC-A-03-04-200521	A0I0556-31	N09252010.D	09/25/20 10:22	
PDI-171SC-A-04-05-200521	A0I0556-32	N09252011.D	09/25/20 10:22	
PDI-171SC-A-05-06-200521	A0I0556-33	N09252012.D	09/25/20 10:22	
PDI-171SC-A-06-07-200521	A0I0556-34	N09252013.D	09/25/20 10:22	
PDI-173SC-A-01-02-200521	A0I0556-35	N09252014.D	09/25/20 10:22	
PDI-173SC-A-02-03-200521	A0I0556-36	N09252015.D	09/25/20 10:22	
PDI-173SC-A-03-04-200521	A0I0556-37	N09252016.D	09/25/20 10:22	
PDI-174SC-A-01-02-200521	A0I0556-38	N09252017.D	09/25/20 10:22	
PDI-174SC-A-02-03-200521	A0I0556-39	N09252018.D	09/25/20 10:22	
PDI-018SC-A-03-04-190926	A0I0556-43	N09252019.D	09/25/20 10:22	
PDI-018SC-A-04-05-190926	A0I0556-44	N09252020.D	09/25/20 10:22	
PDI-018SC-A-05-06-190926	A0I0556-45	N09252021.D	09/25/20 10:22	

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 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090828

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0090828-BLK1	N09292005.D	09/29/20 07:02	
LCS	0090828-BS1	N09292006.D	09/29/20 07:02	
PDI-018SC-A-00-01-190926 (Dup)	0090828-DUP1	N09292010.D	09/29/20 07:02	
PDI-018SC-A-00-01-190926 (Dup)	0090828-DUP2	N09292012.D	09/29/20 07:02	
PDI-018SC-A-02-03-190926 (MS)	0090828-MS1	N09292008.D	09/29/20 07:02	
PDI-018SC-A-00-01-190926	A0I0556-40RE1	N09292009.D	09/29/20 07:02	
PDI-018SC-A-01-02-190926	A0I0556-41RE1	N09292011.D	09/29/20 07:02	
PDI-018SC-A-02-03-190926	A0I0556-42RE1	N09292007.D	09/29/20 07:02	

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.

METHOD BLANK DATA SHEET

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</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>0090743-BLK1</u>	File ID: <u>N09252005.D</u>
Prepared: <u>09/25/20 10:22</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>12 g / 5 mL</u>
Analyzed: <u>09/25/20 15:29</u>	Instrument: <u>SV-GCMS14</u>	
Batch: <u>0090743</u>	Sequence: <u>0I25025</u>	Calibration: <u>A0H1005</u>

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
83-32-9	Acenaphthene	1.04	U
208-96-8	Acenaphthylene	1.04	U
120-12-7	Anthracene	1.04	U
56-55-3	Benz(a)anthracene	1.04	U
50-32-8	Benzo(a)pyrene	1.04	U
205-99-2	Benzo(b)fluoranthene	1.04	U
207-08-9	Benzo(k)fluoranthene	1.04	U
191-24-2	Benzo(g,h,i)perylene	1.04	U
218-01-9	Chrysene	1.04	U
53-70-3	Dibenz(a,h)anthracene	1.04	U
206-44-0	Fluoranthene	1.04	U
86-73-7	Fluorene	1.04	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.04	U
91-57-6	2-Methylnaphthalene	1.04	U
91-20-3	Naphthalene	1.04	U
85-01-8	Phenanthrene	1.04	U
129-00-0	Pyrene	1.04	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	41.7	39.4	95	44 - 120	
p-Terphenyl-d14 (Surr)	41.7	41.8	100	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	260887	7.737	261761	7.743	
Acenaphthene-d10 (ISTD)	168203	9.492	173951	9.492	
Phenanthrene-d10 (ISTD)	344908	10.996	358152	10.996	
Chrysene-d12 (ISTD)	337779	14.633	367719	14.638	
Perylene-d12 (ISTD)	297913	18.083	331651	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	244446	20.467	248688	20.473	

METHOD BLANK DATA SHEET

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</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>0090828-BLK1</u>	File ID: <u>N09292005.D</u>
Prepared: <u>09/29/20 07:02</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11 g / 5 mL</u>
Analyzed: <u>09/29/20 10:12</u>	Instrument: <u>SV-GCMS14</u>	
Batch: <u>0090828</u>	Sequence: <u>0129037</u>	Calibration: <u>A0H1005</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	45.5	39.4	87	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	47.6	105	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	220629	7.737	228579	7.743	
Acenaphthene-d10 (ISTD)	151021	9.492	165446	9.492	
Phenanthrene-d10 (ISTD)	299784	10.996	335704	10.996	
Chrysene-d12 (ISTD)	279689	14.633	320974	14.638	
Perylene-d12 (ISTD)	252106	18.083	290316	18.089	
Dibenz(a,h)anthracene-d14 (ISTD)	200076	20.461	218507	20.467	

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090743

Laboratory ID: 0090743-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	20.2	101	40 - 123
Acenaphthylene	20.0	20.6	103	32 - 132
Anthracene	20.0	21.0	105	47 - 123
Benzo(a)anthracene	20.0	19.0	95	49 - 126
Benzo(a)pyrene	20.0	22.2	111	45 - 129
Benzo(b)fluoranthene	20.0	19.6	98	45 - 132
Benzo(k)fluoranthene	20.0	20.2	101	47 - 132
Benzo(g,h,i)perylene	20.0	19.7	99	43 - 134
Chrysene	20.0	19.1	95	50 - 124
Dibenz(a,h)anthracene	20.0	19.1	96	45 - 134
Fluoranthene	20.0	20.9	105	50 - 127
Fluorene	20.0	21.9	110	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	18.6	93	45 - 133
2-Methylnaphthalene	20.0	19.7	98	38 - 122
Naphthalene	20.0	18.3	91	35 - 123
Phenanthrene	20.0	18.9	94	50 - 121
Pyrene	20.0	17.2	86	47 - 127

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090828

Laboratory ID: 0090828-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	21.9	109	40 - 123
Acenaphthylene	20.0	21.4	107	32 - 132
Anthracene	20.0	21.7	108	47 - 123
Benz(a)anthracene	20.0	19.6	98	49 - 126
Benzo(a)pyrene	20.0	22.9	115	45 - 129
Benzo(b)fluoranthene	20.0	19.5	98	45 - 132
Benzo(k)fluoranthene	20.0	20.5	103	47 - 132
Benzo(g,h,i)perylene	20.0	19.1	96	43 - 134
Chrysene	20.0	18.8	94	50 - 124
Dibenz(a,h)anthracene	20.0	17.9	90	45 - 134
Fluoranthene	20.0	20.8	104	50 - 127
Fluorene	20.0	22.3	112	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	18.5	93	45 - 133
2-Methylnaphthalene	20.0	20.4	102	38 - 122
Naphthalene	20.0	19.5	97	35 - 123
Phenanthrene	20.0	19.4	97	50 - 121
Pyrene	20.0	18.1	90	47 - 127

* = Values outside of QC limits

DUPLICATES

PDI-171SC-A-01-02-200521

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090743-DUP1

Batch: 0090743

Lab Source ID: A0I0556-29

Preparation: EPA 3546

Initial/Final: 11.84 g / 5 mL

Source Sample Name: PDI-171SC-A-01-02-200521

% Solids: 54.43

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Acenaphthene	30	2240		1180		62	*	EPA 8270D
Acenaphthylene	30	954		ND				EPA 8270D
Anthracene	30	2810		909		102	*	EPA 8270D
Benz(a)anthracene	30	3690		1210		101	*	EPA 8270D
Benzo(a)pyrene	30	5610		2020		94	*	EPA 8270D
Benzo(b)fluoranthene	30	4200		1520		93	*	EPA 8270D
Benzo(k)fluoranthene	30	1570		ND				EPA 8270D
Benzo(g,h,i)perylene	30	3910		1470		90	*	EPA 8270D
Chrysene	30	4260		1280		107	*	EPA 8270D
Dibenz(a,h)anthracene	30	399		ND				EPA 8270D
Fluoranthene	30	12800		3490		114	*	EPA 8270D
Fluorene	30	1400		ND				EPA 8270D
Indeno(1,2,3-cd)pyrene	30	3360		1280		90	*	EPA 8270D
2-Methylnaphthalene	30	504		ND				EPA 8270D
Naphthalene	30	680		ND				EPA 8270D
Phenanthrene	30	11800		4240		94	*	EPA 8270D
Pyrene	30	13300		3740		112	*	EPA 8270D

* Values outside of QC limits

DUPLICATES

PDI-018SC-A-00-01-190926

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090828-DUP1

Batch: 0090828

Lab Source ID: A0I0556-40RE1

Preparation: EPA 3546

Initial/Final: 10 g / 5 mL

Source Sample Name: PDI-018SC-A-00-01-190926

% Solids: 87.25

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Acenaphthene	30	6260		11300		57	*	EPA 8270D
Acenaphthylene	30	806		1730		73	*	EPA 8270D
Anthracene	30	4410		8130		59	*	EPA 8270D
Benz(a)anthracene	30	3270		6370		64	*	EPA 8270D
Benzo(a)pyrene	30	4590		9240		67	*	EPA 8270D
Benzo(b)fluoranthene	30	3420		6780		66	*	EPA 8270D
Benzo(k)fluoranthene	30	1140		2480		74	*	EPA 8270D
Benzo(g,h,i)perylene	30	2960		5880		66	*	EPA 8270D
Chrysene	30	3560		7170		67	*	EPA 8270D
Dibenz(a,h)anthracene	30	312		619		66	*	EPA 8270D
Fluoranthene	30	11600		21200		58	*	EPA 8270D
Fluorene	30	3600		6560		58	*	EPA 8270D
Indeno(1,2,3-cd)pyrene	30	2460		4860		66	*	EPA 8270D
2-Methylnaphthalene	30	83.4		ND				EPA 8270D
Naphthalene	30	626		573		9		EPA 8270D
Pyrene	30	12000		22600		62	*	EPA 8270D

* Values outside of QC limits

DUPLICATES

PDI-018SC-A-00-01-190926

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090828-DUP2

Batch: 0090828

Lab Source ID: A0I0556-40RE1

Preparation: EPA 3546

Initial/Final: 10 g / 5 mL

Source Sample Name: PDI-018SC-A-00-01-190926

% Solids: 87.25

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Phenanthrene	30	19500		42400		74	*	EPA 8270D

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-018SC-A-02-03-190926

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0090828

Laboratory ID: 0090828-MS1

Preparation: EPA 3546

Initial/Final: 10.09 g / 5 mL

Source Sample Name: PDI-018SC-A-02-03-190926

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	27.8	12000	14100	7790 *	40 - 123
Acenaphthylene	27.8	8450	5060	-12200 *	32 - 132
Anthracene	27.8	8710	6360	-8460 *	47 - 123
Benz(a)anthracene	27.8	23000	12100	-39200 *	49 - 126
Benzo(a)pyrene	27.8	40600	17600	-82700 *	45 - 129
Benzo(b)fluoranthene	27.8	29800	14000	-56900 *	45 - 132
Benzo(k)fluoranthene	27.8	11500	4500	-25100 *	47 - 132
Benzo(g,h,i)perylene	27.8	29300	12100	-61800 *	43 - 134
Chrysene	27.8	31600	15400	-58200 *	50 - 124
Dibenz(a,h)anthracene	27.8	2770	ND	-9940 *	45 - 134
Fluoranthene	27.8	61600	39000	-81200 *	50 - 127
Fluorene	27.8	ND	2310	8300 *	43 - 125
Indeno(1,2,3-cd)pyrene	27.8	23600	10200	-48100 *	45 - 133
2-Methylnaphthalene	27.8	2000	1880	-414 *	38 - 122
Naphthalene	27.8	17900	13800	-14700 *	35 - 123
Phenanthrene	27.8	8700	10400	6240 *	50 - 121
Pyrene	27.8	81100	51900	-105000 *	47 - 127

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0H07053

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0H1005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0H07053-TUN1	N08072008.D	08/07/20 15:49
Initial Cal Blank	0H07053-ICB1	N08072009.D	08/07/20 16:17
Cal Standard	0H07053-CAL1	N08072010.D	08/07/20 16:50
Cal Standard	0H07053-CAL2	N08072011.D	08/07/20 17:23
Cal Standard	0H07053-CAL3	N08072012.D	08/07/20 17:56
Cal Standard	0H07053-CAL4	N08072013.D	08/07/20 18:29
Cal Standard	0H07053-CAL5	N08072014.D	08/07/20 19:02
Cal Standard	0H07053-CAL6	N08072015.D	08/07/20 19:35
Cal Standard	0H07053-CAL7	N08072016.D	08/07/20 20:07
Cal Standard	0H07053-CAL8	N08072017.D	08/07/20 20:40
Cal Standard	0H07053-CAL9	N08072018.D	08/07/20 21:12
Cal Standard	0H07053-CALA	N08072019.D	08/07/20 21:45
Initial Cal Check	0H07053-ICV1	N08072022.D	08/07/20 23:23

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I25025</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0H1005</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0I25025-TUN1	N09252001.D	09/25/20 13:19
Calibration Check	0I25025-CCV1	N09252003.D	09/25/20 14:21
Calibration Blank	0I25025-CCB1	N09252004.D	09/25/20 14:55
Blank	0090743-BLK1	N09252005.D	09/25/20 15:29
LCS	0090743-BS1	N09252006.D	09/25/20 16:03
PDI-171SC-A-01-02-200521	A0I0556-29	N09252007.D	09/25/20 16:37
PDI-171SC-A-01-02-200521 (Dup)	0090743-DUP1	N09252008.D	09/25/20 17:11
PDI-171SC-A-02-03-200521	A0I0556-30	N09252009.D	09/25/20 17:45
PDI-171SC-A-03-04-200521	A0I0556-31	N09252010.D	09/25/20 18:18
PDI-171SC-A-04-05-200521	A0I0556-32	N09252011.D	09/25/20 18:51
PDI-171SC-A-05-06-200521	A0I0556-33	N09252012.D	09/25/20 19:24
PDI-171SC-A-06-07-200521	A0I0556-34	N09252013.D	09/25/20 19:58
PDI-173SC-A-01-02-200521	A0I0556-35	N09252014.D	09/25/20 20:31
PDI-173SC-A-02-03-200521	A0I0556-36	N09252015.D	09/25/20 21:03
PDI-173SC-A-03-04-200521	A0I0556-37	N09252016.D	09/25/20 21:36
PDI-174SC-A-01-02-200521	A0I0556-38	N09252017.D	09/25/20 22:08
PDI-174SC-A-02-03-200521	A0I0556-39	N09252018.D	09/25/20 22:41
PDI-018SC-A-03-04-190926	A0I0556-43	N09252019.D	09/25/20 23:13
PDI-018SC-A-04-05-190926	A0I0556-44	N09252020.D	09/25/20 23:44
PDI-018SC-A-05-06-190926	A0I0556-45	N09252021.D	09/26/20 00:16

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.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0I29037</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0H1005</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0I29037-TUN1	N09292001.D	09/29/20 08:10
Calibration Check	0I29037-CCV1	N09292003.D	09/29/20 09:09
Calibration Blank	0I29037-CCB1	N09292004.D	09/29/20 09:40
Blank	0090828-BLK1	N09292005.D	09/29/20 10:12
LCS	0090828-BS1	N09292006.D	09/29/20 10:44
PDI-018SC-A-02-03-190926	A0I0556-42RE1	N09292007.D	09/29/20 11:16
PDI-018SC-A-02-03-190926 (MS)	0090828-MS1	N09292008.D	09/29/20 11:56
PDI-018SC-A-00-01-190926	A0I0556-40RE1	N09292009.D	09/29/20 12:28
PDI-018SC-A-00-01-190926 (Dup)	0090828-DUP1	N09292010.D	09/29/20 13:00
PDI-018SC-A-01-02-190926	A0I0556-41RE1	N09292011.D	09/29/20 13:33
PDI-018SC-A-00-01-190926 (Dup)	0090828-DUP2	N09292012.D	09/29/20 14:05

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

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Lab File ID: N08072008.D

Injection Date: 08/07/20

Instrument ID: SV-GCMS14

Injection Time: 15:49

Sequence: 0H07053

Lab Sample ID: 0H07053-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.94	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.48	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.87	PASS
m/z 365	1 - 100% of m/z 198	4.48	PASS
m/z 441	Less than 150% of m/z 443	77.10	PASS
m/z 442	0.1 - 200% of m/z 198	160.18	PASS
m/z 443	15 - 24% of m/z 442	19.73	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: A010556

Client: Anchor QEA, LLC

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

Lab File ID: N09252001.D

Injection Date: 09/25/20

Instrument ID: SV-GCMS14

Injection Time: 13:19

Sequence: 0I25025

Lab Sample ID: 0I25025-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.83	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.50	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.88	PASS
m/z 365	1 - 100% of m/z 198	4.59	PASS
m/z 441	Less than 150% of m/z 443	77.32	PASS
m/z 442	0.1 - 200% of m/z 198	159.86	PASS
m/z 443	15 - 24% of m/z 442	19.47	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: A010556

Client: Anchor QEA, LLC

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

Lab File ID: N09292001.D

Injection Date: 09/29/20

Instrument ID: SV-GCMS14

Injection Time: 08:10

Sequence: 0I29037

Lab Sample ID: 0I29037-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.82	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.51	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.71	PASS
m/z 365	1 - 100% of m/z 198	4.45	PASS
m/z 441	Less than 150% of m/z 443	77.30	PASS
m/z 442	0.1 - 200% of m/z 198	158.72	PASS
m/z 443	15 - 24% of m/z 442	19.46	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0H1005

Date: 08/10/20 14:04

Instrument: SV-GCMS14

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.224777	Ave	3.287731	9.521667	1.529013E-02			20	
Acenaphthylene	1.676085	Ave	6.64947	9.346666	1.797138E-02			20	
Anthracene	0.8864905	Ave	6.420735	11.072	7.521604E-03			20	
Benz(a)anthracene	0.9997106	Ave	8.090328	14.612	3.897712E-02			20	
Benzo(a)pyrene	0.7351622	Ave	8.286794	17.94644	5.617144E-02			20	
Benzo(b)fluoranthene	1.013983	Ave	4.444269	17.17922	5.423954E-02			20	
Benzo(k)fluoranthene	0.9566106	Ave	6.313553	17.24389	6.995392E-02			20	
Benzo(g,h,i)perylene	1.094263	Ave	7.72528	21.01056	6.176028E-02			20	
Chrysene	1.032987	Ave	2.369351	14.69089	5.186376E-02			20	
Dibenz(a,h)anthracene	1.058201	Ave	3.82909	20.53556	4.836268E-02			20	
Fluoranthene	1.122704	Ave	6.32739	12.26044	1.770666E-02			20	
Fluorene	1.246869	Ave	6.297717	10.04578	1.694453E-02			20	
Indeno(1,2,3-cd)pyrene	1.07625	Ave	3.581026	20.47555	0.0624759			20	
2-Methylnaphthalene	0.7456587	Ave	5.01706	8.443	1.801969E-02			20	
Naphthalene	1.031219	Ave	6.62107	7.761	8.103876E-03			20	
Phenanthrene	1.082295	Ave	5.452008	11.01967	2.384211E-02			20	
Pyrene	1.338996	Ave	10.87983	12.53633	3.221527E-02			20	
2-Fluorobiphenyl (Surr)	1.42981	Ave	3.043226	8.804667	0.021133			20	
p-Terphenyl-d14 (Surr)	0.9614652	Ave	4.151345	12.73078	3.086798E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0H1005

Instrument: SV-GCMS14

Calibration Date: 08/10/20 14:04

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	1.266588	2	1.259815	5	1.265777	10	1.192074	20	1.235865	50	1.231708
Acenaphthylene	1	1.473633	2	1.566064	5	1.592098	10	1.684731	20	1.685739	50	1.756836
Anthracene	1	0.8682272	2	0.8626834	5	0.8328087	10	0.7750112	20	0.9046703	50	0.9389991
Benz(a)anthracene	1	1.184899	2	1.074493	5	0.960532	10	0.9221166	20	0.9631404	50	0.9635269
Benzo(a)pyrene	1	0.7540831	2	0.6814332	5	0.6490017	10	0.6616363	20	0.7174292	50	0.7561626
Benzo(b)fluoranthene	1	1.008465	2	1.004204	5	0.9228586	10	0.9823829	20	1.012913	50	1.015306
Benzo(k)fluoranthene	1	0.9262896	2	0.85418	5	0.9182004	10	0.919192	20	0.9394501	50	0.9839213
Benzo(b+k)fluoranthene(s)	2	0.9673774	4	0.9991685	10	0.981519	20	1.014628	40	1.033446	100	1.051087
Benzo(g,h,i)perylene	1	1.002955	2	1.024852	5	1.002527	10	1.045448	20	1.075362	50	1.105886
Chrysene	1	1.049666	2	1.051325	5	1.062643	10	1.01291	20	1.045981	50	1.034519
Dibenz(a,h)anthracene	1	1.062196	2	1.058074	5	1.012511	10	1.009203	20	1.045319	50	1.024115
Fluoranthene	1	1.056057	2	1.074463	5	1.057517	10	1.022427	20	1.136697	50	1.169593
Fluorene	1	1.207642	2	1.215405	5	1.185375	10	1.104056	20	1.246986	50	1.30179
Indeno(1,2,3-cd)pyrene	1	1.056685	2	1.049768	5	1.042339	10	1.056869	20	1.057141	50	1.051176
1-Methylnaphthalene	1	0.7088105	2	0.7198507	5	0.7441939	10	0.7430098	20	0.7567288	50	0.7691963
2-Methylnaphthalene	1	0.6749441	2	0.7345506	5	0.735525	10	0.7034539	20	0.7538712	50	0.7799008
Naphthalene	1	1.192481	2	1.065522	5	1.023012	10	1.030426	20	1.027633	50	1.001125
Phenanthrene	1	1.194887	2	1.147992	5	1.072126	10	1.061079	20	1.080868	50	1.07704
Pyrene	1	1.284177	2	1.2849	5	1.313924	10	1.6735	20	1.366347	50	1.310469
Carbazole	1	0.5952944	2	0.5751223	5	0.6089076	10	0.5022022	20	0.7240911	50	0.7596221
Dibenzofuran	1	1.495001	2	1.486482	5	1.487576	10	1.397071	20	1.543034	50	1.598791
2-Fluorobiphenyl (Surr)	1	1.376373	2	1.392688	5	1.424779	10	1.394323	20	1.45977	50	1.49245
p-Terphenyl-d14 (Surr)	1	0.9477045	2	0.8995485	5	0.9648729	10	1.002554	20	1.009059	50	0.9827495

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0H1005

Instrument: SV-GCMS14

Matrix:

Calibration Date: 08/10/20 14:04

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	1.219383	200	1.209551	400	1.232999	600	1.142233				
Acenaphthylene	100	1.792244	200	1.80289	400	1.876483	600	1.730527				
Anthracene	100	0.9382494	200	0.9420696	400	0.7901208	600	0.9156957				
Benz(a)anthracene	100	0.9611599	200	0.9726267	400	1.048637	600	0.9949005				
Benzo(a)pyrene	100	0.7782665	200	0.805154	400	0.779903	600	0.8132936				
Benzo(b)fluoranthene	100	1.048428	200	1.053598	400	1.236261	600	1.077695				
Benzo(k)fluoranthene	100	1.002326	200	1.040167	400	1.122845	600	1.025769				
Benzo(b+k)fluoranthene(s)	200	1.07179	400	1.085373	800	1.279903	1200	1.083246				
Benzo(g,h,i)perylene	100	1.171739	200	1.213194	400	1.249126	600	1.206407				
Chrysene	100	1.039442	200	1.016506	400	1.177632	600	0.983888				
Dibenz(a,h)anthracene	100	1.110137	200	1.122575	400	1.227273	600	1.079675				
Fluoranthene	100	1.203197	200	1.211772	400	0.7562554	600	1.172611				
Fluorene	100	1.348499	200	1.339774	400	0.6662483	600	1.272294				
Indeno(1,2,3-cd)pyrene	100	1.095671	200	1.128245	400	1.095862	600	1.148353				
1-Methylnaphthalene	100	0.7690295	200	0.7635127	400	0.5641224	600	0.7411248				
2-Methylnaphthalene	100	0.7823919	200	0.7797779	400	0.5409846	600	0.7665129				
Naphthalene	100	1.004707	200	0.982835	400	1.031776	600	0.9532298				
Phenanthrene	100	1.069398	200	1.050309	400	1.062338	600	0.9869592				
Pyrene	100	1.405048	200	1.277676	400	1.615836	600	1.134926				
Carbazole	100	0.7145441	200	0.7306888	400	0.4921268	600	0.7203112				
Dibenzofuran	100	1.622159	200	1.641018	400	1.146223	600	1.587827				
2-Fluorobiphenyl (Surr)	100	1.471634	200	1.467201	400	1.885155	600	1.389068				
p-Terphenyl-d14 (Surr)	100	0.9901441	200	0.9535586	400	1.311325	600	0.9029958				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</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>A0H1005</u>
Lab File ID: <u>N08072022.D</u>	
Sequence: <u>0H07053</u>	Inject Date: <u>08/07/20</u>
Lab Sample ID: <u>0H07053-ICV1</u>	Inject Time: <u>23:23</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Acenaphthene	50.0	49.6	-0.8	70 - 130
Acenaphthylene	50.0	52.1	4.2	70 - 130
Anthracene	50.0	52.8	5.7	70 - 130
Benz(a)anthracene	50.0	46.0	-8.0	70 - 130
Benzo(a)pyrene	50.0	56.6	13.2	70 - 130
Benzo(b)fluoranthene	50.0	49.2	-1.6	70 - 130
Benzo(k)fluoranthene	50.0	50.6	1.2	70 - 130
Benzo(g,h,i)perylene	50.0	51.2	2.4	70 - 130
Chrysene	50.0	48.9	-2.3	70 - 130
Dibenz(a,h)anthracene	50.0	49.2	-1.7	70 - 130
Fluoranthene	50.0	53.0	6.0	70 - 130
Fluorene	50.0	50.7	1.4	70 - 130
Indeno(1,2,3-cd)pyrene	50.0	46.6	-6.9	70 - 130
2-Methylnaphthalene	50.0	50.7	1.4	70 - 130
Naphthalene	50.0	48.3	-3.4	70 - 130
Phenanthrene	50.0	49.2	-1.6	70 - 130
Pyrene	50.0	51.2	2.3	70 - 130
2-Fluorobiphenyl (Surr)	50.0	50.2	0.5	70 - 130
p-Terphenyl-d14 (Surr)	50.0	50.3	0.6	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Instrument ID: SV-GCMS14

Calibration: A0H1005

Lab File ID: N09252003.D

Calibration Date: 08/10/20 14:04

Sequence: 0I25025

Injection Date: 09/25/20

Lab Sample ID: 0I25025-CCV1

Injection Time: 14:21

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	100	99.5		1.224777	1.218947	-0.5	20
Acenaphthylene	Ave	100	105		1.676085	1.756219	4.8	20
Anthracene	Ave	100	108		0.8864905	0.9574482	8.0	20
Benz(a)anthracene	Ave	100	95.0		0.9997106	0.9496926	-5.0	20
Benzo(a)pyrene	Ave	100	103		0.7351622	0.7544889	2.6	20
Benzo(b)fluoranthene	Ave	100	98.5		1.013983	0.9989748	-1.5	20
Benzo(k)fluoranthene	Ave	100	105		0.9566106	1.001158	4.7	20
Benzo(g,h,i)perylene	Ave	100	103		1.094263	1.124558	2.8	20
Chrysene	Ave	100	97.1		1.032987	1.002888	-2.9	20
Dibenz(a,h)anthracene	Ave	100	102		1.058201	1.074041	1.5	20
Fluoranthene	Ave	100	103		1.122704	1.152335	2.6	20
Fluorene	Ave	100	111		1.246869	1.38443	11.0	20
Indeno(1,2,3-cd)pyrene	Ave	100	99.6		1.07625	1.071455	-0.4	20
1-Methylnaphthalene	Ave	100	102		0.7461619	0.7583712	1.6	20
2-Methylnaphthalene	Ave	100	108		0.7456587	0.8079126	8.3	20
Naphthalene	Ave	100	96.2		1.031219	0.9915266	-3.8	20
Phenanthrene	Ave	100	95.7		1.082295	1.035446	-4.3	20
Pyrene	Ave	100	86.5		1.338996	1.158221	-13.5	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Instrument ID: SV-GCMS14

Calibration: A0H1005

Lab File ID: N09292003.D

Calibration Date: 08/10/20 14:04

Sequence: 0I29037

Injection Date: 09/29/20

Lab Sample ID: 0I29037-CCV1

Injection Time: 09:09

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	100	99.6		1.224777	1.220048	-0.4	20
Acenaphthylene	Ave	100	105		1.676085	1.75725	4.8	20
Anthracene	Ave	100	108		0.8864905	0.9608822	8.4	20
Benz(a)anthracene	Ave	100	95.4		0.9997106	0.9537128	-4.6	20
Benzo(a)pyrene	Ave	100	105		0.7351622	0.7704191	4.8	20
Benzo(b)fluoranthene	Ave	100	99.1		1.013983	1.005112	-0.9	20
Benzo(k)fluoranthene	Ave	100	104		0.9566106	0.9916849	3.7	20
Benzo(g,h,i)perylene	Ave	100	104		1.094263	1.135735	3.8	20
Chrysene	Ave	100	97.6		1.032987	1.007686	-2.4	20
Dibenz(a,h)anthracene	Ave	100	101		1.058201	1.069851	1.1	20
Fluoranthene	Ave	100	102		1.122704	1.146975	2.2	20
Fluorene	Ave	100	109		1.246869	1.365062	9.5	20
Indeno(1,2,3-cd)pyrene	Ave	100	98.5		1.07625	1.060236	-1.5	20
2-Methylnaphthalene	Ave	100	107		0.7456587	0.7958911	6.7	20
Naphthalene	Ave	100	95.3		1.031219	0.9827062	-4.7	20
Phenanthrene	Ave	100	96.1		1.082295	1.039806	-3.9	20
Pyrene	Ave	100	91.4		1.338996	1.223654	-8.6	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0H07053</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0H1005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0H07053-ICV1)			Lab File ID: N08072022.D		Analyzed: 08/07/20 23:23			
2-Fluorobiphenyl (Surr)	50.0	100	70 - 130	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	101	70 - 130	12.733	12.73078	0.0022	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I25025</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0H1005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I25025-CCV1)			Lab File ID: N09252003.D		Analyzed: 09/25/20 14:21			
2-Fluorobiphenyl (Surr)	100	104	80 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	100	100	80 - 120	12.732	12.73078	0.0012	+/-1.0	
Calibration Blank (0I25025-CCB1)			Lab File ID: N09252004.D		Analyzed: 09/25/20 14:55			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.804667	-8.8047	+/-1.0	
p-Terphenyl-d14 (Surr)			50 - 134	12.733	12.73078	0.0022	+/-1.0	
Blank (0090743-BLK1)			Lab File ID: N09252005.D		Analyzed: 09/25/20 15:29			
2-Fluorobiphenyl (Surr)	41.7	95	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	41.7	100	54 - 127	12.733	12.73078	0.0022	+/-1.0	
LCS (0090743-BS1)			Lab File ID: N09252006.D		Analyzed: 09/25/20 16:03			
2-Fluorobiphenyl (Surr)	50.0	93	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	96	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-171SC-A-01-02-200521 (A0I0556-29)			Lab File ID: N09252007.D		Analyzed: 09/25/20 16:37			
2-Fluorobiphenyl (Surr)	84.6	80	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	84.6	112	54 - 127	12.732	12.73078	0.0012	+/-1.0	
Duplicate (0090743-DUP1)			Lab File ID: N09252008.D		Analyzed: 09/25/20 17:11			
2-Fluorobiphenyl (Surr)	77.6	72	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	77.6	96	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-171SC-A-02-03-200521 (A0I0556-30)			Lab File ID: N09252009.D		Analyzed: 09/25/20 17:45			
2-Fluorobiphenyl (Surr)	105	64	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	105	66	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-171SC-A-03-04-200521 (A0I0556-31)			Lab File ID: N09252010.D		Analyzed: 09/25/20 18:18			
2-Fluorobiphenyl (Surr)	80.7	62	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	80.7	72	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-171SC-A-04-05-200521 (A0I0556-32)			Lab File ID: N09252011.D		Analyzed: 09/25/20 18:51			
2-Fluorobiphenyl (Surr)	79.6	60	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	79.6	80	54 - 127	12.732	12.73078	0.0012	+/-1.0	
PDI-171SC-A-05-06-200521 (A0I0556-33)			Lab File ID: N09252012.D		Analyzed: 09/25/20 19:24			
2-Fluorobiphenyl (Surr)	67.5	64	44 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	67.5	88	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-171SC-A-06-07-200521 (A0I0556-34)			Lab File ID: N09252013.D		Analyzed: 09/25/20 19:58			
2-Fluorobiphenyl (Surr)	64.0		44 - 120	0	8.804667	-8.8047	+/-1.0	*
p-Terphenyl-d14 (Surr)	64.0	400	54 - 127	12.732	12.73078	0.0012	+/-1.0	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0I25025</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0H1005</u>

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
PDI-173SC-A-01-02-200521 (A0I0556-35)								
			Lab File ID: N09252014.D			Analyzed: 09/25/20 20:31		
2-Fluorobiphenyl (Surr)	61.6	71	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	61.6	82	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-173SC-A-02-03-200521 (A0I0556-36)								
			Lab File ID: N09252015.D			Analyzed: 09/25/20 21:03		
2-Fluorobiphenyl (Surr)	59.2	72	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	59.2	82	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-173SC-A-03-04-200521 (A0I0556-37)								
			Lab File ID: N09252016.D			Analyzed: 09/25/20 21:36		
2-Fluorobiphenyl (Surr)	66.5	77	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	66.5	75	54 - 127	12.727	12.73078	-0.0038	+/-1.0	
PDI-174SC-A-01-02-200521 (A0I0556-38)								
			Lab File ID: N09252017.D			Analyzed: 09/25/20 22:08		
2-Fluorobiphenyl (Surr)	58.8	83	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	58.8	90	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-174SC-A-02-03-200521 (A0I0556-39)								
			Lab File ID: N09252018.D			Analyzed: 09/25/20 22:41		
2-Fluorobiphenyl (Surr)	61.6	88	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	61.6	100	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-018SC-A-03-04-190926 (A0I0556-43)								
			Lab File ID: N09252019.D			Analyzed: 09/25/20 23:13		
2-Fluorobiphenyl (Surr)	67.3	120	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	67.3	150	54 - 127	12.727	12.73078	-0.0038	+/-1.0	*
PDI-018SC-A-04-05-190926 (A0I0556-44)								
			Lab File ID: N09252020.D			Analyzed: 09/25/20 23:44		
2-Fluorobiphenyl (Surr)	64.6	110	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	64.6	150	54 - 127	12.727	12.73078	-0.0038	+/-1.0	*
PDI-018SC-A-05-06-190926 (A0I0556-45)								
			Lab File ID: N09252021.D			Analyzed: 09/26/20 00:16		
2-Fluorobiphenyl (Surr)	63.6	110	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	63.6	160	54 - 127	12.727	12.73078	-0.0038	+/-1.0	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0I29037</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0H1005</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0I29037-CCV1)			Lab File ID: N09292003.D		Analyzed: 09/29/20 09:09			
2-Fluorobiphenyl (Surr)	100	100	80 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	100	102	80 - 120	12.732	12.73078	0.0012	+/-1.0	
Calibration Blank (0I29037-CCB1)			Lab File ID: N09292004.D		Analyzed: 09/29/20 09:40			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.804667	-8.8047	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.732	12.73078	0.0012	+/-1.0	
Blank (0090828-BLK1)			Lab File ID: N09292005.D		Analyzed: 09/29/20 10:12			
2-Fluorobiphenyl (Surr)	45.5	87	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	105	54 - 127	12.733	12.73078	0.0022	+/-1.0	
LCS (0090828-BS1)			Lab File ID: N09292006.D		Analyzed: 09/29/20 10:44			
2-Fluorobiphenyl (Surr)	50.0	89	44 - 120	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	98	54 - 127	12.732	12.73078	0.0012	+/-1.0	
PDI-018SC-A-02-03-190926 (A0I0556-42RE1)			Lab File ID: N09292007.D		Analyzed: 09/29/20 11:16			
2-Fluorobiphenyl (Surr)	69.7	90	44 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	69.7	170	54 - 127	12.733	12.73078	0.0022	+/-1.0	*
Matrix Spike (0090828-MS1)			Lab File ID: N09292008.D		Analyzed: 09/29/20 11:56			
2-Fluorobiphenyl (Surr)	69.5	70	44 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	69.5	120	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-018SC-A-00-01-190926 (A0I0556-40RE1)			Lab File ID: N09292009.D		Analyzed: 09/29/20 12:28			
2-Fluorobiphenyl (Surr)	57.1	76	44 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	57.1	93	54 - 127	12.738	12.73078	0.0072	+/-1.0	
Duplicate (0090828-DUP1)			Lab File ID: N09292010.D		Analyzed: 09/29/20 13:00			
2-Fluorobiphenyl (Surr)	57.3	91	44 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	57.3	92	54 - 127	12.733	12.73078	0.0022	+/-1.0	
PDI-018SC-A-01-02-190926 (A0I0556-41RE1)			Lab File ID: N09292011.D		Analyzed: 09/29/20 13:33			
2-Fluorobiphenyl (Surr)	57.3	110	44 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	57.3	200	54 - 127	12.727	12.73078	-0.0038	+/-1.0	*
Duplicate (0090828-DUP2)			Lab File ID: N09292012.D		Analyzed: 09/29/20 14:05			
2-Fluorobiphenyl (Surr)	57.3	60	44 - 120	8.81	8.804667	0.0053	+/-1.0	
p-Terphenyl-d14 (Surr)	57.3	140	54 - 127	12.732	12.73078	0.0012	+/-1.0	*

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

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>A0I0556</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence:	<u>0I25025</u>	Instrument:	<u>SV-GCMS14</u>
Matrix:	<u>Sediment</u>	Calibration:	<u>A0H1005</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0I25025-CCV1)			Lab File ID: N09252003.D			Analyzed: 09/25/20 14:21			
Naphthalene-d8 (ISTD)	261761	7.743	239628	7.737	109	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	173951	9.492	160491	9.492	108	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	358152	10.996	310167	10.996	115	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	367719	14.638	274150	14.633	134	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	331651	18.089	244609	18.083	136	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	248688	20.473	188292	20.467	132	50 - 200	0.0060	+/-0.50	
Calibration Blank (0I25025-CCB1)			Lab File ID: N09252004.D			Analyzed: 09/25/20 14:55			
Naphthalene-d8 (ISTD)	264825	7.737	261761	7.743	101	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	168188	9.492	173951	9.492	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	328596	10.996	358152	10.996	92	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	291631	14.633	367719	14.638	79	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	253853	18.083	331651	18.089	77	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	210750	20.467	248688	20.473	85	50 - 200	-0.0060	+/-0.50	
Blank (0090743-BLK1)			Lab File ID: N09252005.D			Analyzed: 09/25/20 15:29			
Naphthalene-d8 (ISTD)	260887	7.737	261761	7.743	100	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	168203	9.492	173951	9.492	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	344908	10.996	358152	10.996	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	337779	14.633	367719	14.638	92	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	297913	18.083	331651	18.089	90	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	244446	20.467	248688	20.473	98	50 - 200	-0.0060	+/-0.50	
LCS (0090743-BS1)			Lab File ID: N09252006.D			Analyzed: 09/25/20 16:03			
Naphthalene-d8 (ISTD)	251909	7.738	261761	7.743	96	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	164929	9.492	173951	9.492	95	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	344485	10.996	358152	10.996	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	364155	14.633	367719	14.638	99	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	328283	18.083	331651	18.089	99	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	249768	20.467	248688	20.473	100	50 - 200	-0.0060	+/-0.50	
PDI-171SC-A-01-02-200521 (A0I0556-29)			Lab File ID: N09252007.D			Analyzed: 09/25/20 16:37			
Naphthalene-d8 (ISTD)	280280	7.743	261761	7.743	107	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	174938	9.492	173951	9.492	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	349418	10.996	358152	10.996	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	350889	14.633	367719	14.638	95	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	325274	18.083	331651	18.089	98	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	255290	20.467	248688	20.473	103	50 - 200	-0.0060	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0I25025
 Matrix: Sediment

SDG: A0I0556
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: SV-GCMS14
 Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (0090743-DUP1)			Lab File ID: N09252008.D			Analyzed: 09/25/20 17:11			
Naphthalene-d8 (ISTD)	271597	7.738	261761	7.743	104	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	168657	9.492	173951	9.492	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	338154	10.996	358152	10.996	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	334735	14.633	367719	14.638	91	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	312829	18.083	331651	18.089	94	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	250681	20.467	248688	20.473	101	50 - 200	-0.0060	+/-0.50	
PDI-171SC-A-02-03-200521 (A0I0556-30)			Lab File ID: N09252009.D			Analyzed: 09/25/20 17:45			
Naphthalene-d8 (ISTD)	268453	7.743	261761	7.743	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	172102	9.492	173951	9.492	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	347581	10.996	358152	10.996	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	353295	14.633	367719	14.638	96	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	336310	18.083	331651	18.089	101	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	272093	20.467	248688	20.473	109	50 - 200	-0.0060	+/-0.50	
PDI-171SC-A-03-04-200521 (A0I0556-31)			Lab File ID: N09252010.D			Analyzed: 09/25/20 18:18			
Naphthalene-d8 (ISTD)	274369	7.743	261761	7.743	105	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	174445	9.492	173951	9.492	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	351364	10.996	358152	10.996	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	357759	14.633	367719	14.638	97	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	340139	18.083	331651	18.089	103	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	273561	20.467	248688	20.473	110	50 - 200	-0.0060	+/-0.50	
PDI-171SC-A-04-05-200521 (A0I0556-32)			Lab File ID: N09252011.D			Analyzed: 09/25/20 18:51			
Naphthalene-d8 (ISTD)	276434	7.737	261761	7.743	106	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	179216	9.492	173951	9.492	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	363753	10.996	358152	10.996	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	367254	14.633	367719	14.638	100	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	345775	18.083	331651	18.089	104	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	263807	20.461	248688	20.473	106	50 - 200	-0.0120	+/-0.50	
PDI-171SC-A-05-06-200521 (A0I0556-33)			Lab File ID: N09252012.D			Analyzed: 09/25/20 19:24			
Naphthalene-d8 (ISTD)	273417	7.737	261761	7.743	104	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	176139	9.492	173951	9.492	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	359161	10.996	358152	10.996	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	361719	14.633	367719	14.638	98	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	339293	18.083	331651	18.089	102	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	262438	20.461	248688	20.473	106	50 - 200	-0.0120	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0I25025
 Matrix: Sediment

SDG: A0I0556
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: SV-GCMS14
 Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
PDI-171SC-A-06-07-200521 (A0I0556-34)			Lab File ID: N09252013.D			Analyzed: 09/25/20 19:58			
Naphthalene-d8 (ISTD)	271247	7.743	261761	7.743	104	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	173708	9.492	173951	9.492	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	347063	10.996	358152	10.996	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	343318	14.633	367719	14.638	93	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	316645	18.083	331651	18.089	95	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	245230	20.467	248688	20.473	99	50 - 200	-0.0060	+/-0.50	
PDI-173SC-A-01-02-200521 (A0I0556-35)			Lab File ID: N09252014.D			Analyzed: 09/25/20 20:31			
Naphthalene-d8 (ISTD)	273148	7.737	261761	7.743	104	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	172806	9.492	173951	9.492	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	351872	10.996	358152	10.996	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	380806	14.633	367719	14.638	104	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	362666	18.083	331651	18.089	109	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	280974	20.467	248688	20.473	113	50 - 200	-0.0060	+/-0.50	
PDI-173SC-A-02-03-200521 (A0I0556-36)			Lab File ID: N09252015.D			Analyzed: 09/25/20 21:03			
Naphthalene-d8 (ISTD)	278529	7.737	261761	7.743	106	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	176887	9.492	173951	9.492	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	356876	10.996	358152	10.996	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	359537	14.633	367719	14.638	98	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	339444	18.083	331651	18.089	102	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	272420	20.461	248688	20.473	110	50 - 200	-0.0120	+/-0.50	
PDI-173SC-A-03-04-200521 (A0I0556-37)			Lab File ID: N09252016.D			Analyzed: 09/25/20 21:36			
Naphthalene-d8 (ISTD)	284809	7.743	261761	7.743	109	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	174128	9.492	173951	9.492	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	343877	10.996	358152	10.996	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	337341	14.633	367719	14.638	92	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	329839	18.083	331651	18.089	99	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	248719	20.462	248688	20.473	100	50 - 200	-0.0110	+/-0.50	
PDI-174SC-A-01-02-200521 (A0I0556-38)			Lab File ID: N09252017.D			Analyzed: 09/25/20 22:08			
Naphthalene-d8 (ISTD)	267139	7.738	261761	7.743	102	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	167419	9.492	173951	9.492	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	353139	10.996	358152	10.996	99	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	393806	14.633	367719	14.638	107	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	385389	18.083	331651	18.089	116	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	293247	20.467	248688	20.473	118	50 - 200	-0.0060	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0125025
 Matrix: Sediment

SDG: A0I0556
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: SV-GCMS14
 Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
PDI-174SC-A-02-03-200521 (A0I0556-39)									
			Lab File ID: N09252018.D			Analyzed: 09/25/20 22:41			
Naphthalene-d8 (ISTD)	276510	7.737	261761	7.743	106	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	172614	9.492	173951	9.492	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	348798	10.996	358152	10.996	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	376922	14.633	367719	14.638	103	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	365776	18.083	331651	18.089	110	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	284673	20.467	248688	20.473	114	50 - 200	-0.0060	+/-0.50	
PDI-018SC-A-03-04-190926 (A0I0556-43)									
			Lab File ID: N09252019.D			Analyzed: 09/25/20 23:13			
Naphthalene-d8 (ISTD)	285657	7.737	261761	7.743	109	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	178536	9.492	173951	9.492	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	367514	10.996	358152	10.996	103	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	397528	14.633	367719	14.638	108	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	389357	18.083	331651	18.089	117	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	308075	20.467	248688	20.473	124	50 - 200	-0.0060	+/-0.50	
PDI-018SC-A-04-05-190926 (A0I0556-44)									
			Lab File ID: N09252020.D			Analyzed: 09/25/20 23:44			
Naphthalene-d8 (ISTD)	285363	7.737	261761	7.743	109	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	178723	9.492	173951	9.492	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	366354	10.996	358152	10.996	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	400862	14.633	367719	14.638	109	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	392273	18.083	331651	18.089	118	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	312095	20.467	248688	20.473	125	50 - 200	-0.0060	+/-0.50	
PDI-018SC-A-05-06-190926 (A0I0556-45)									
			Lab File ID: N09252021.D			Analyzed: 09/26/20 00:16			
Naphthalene-d8 (ISTD)	280079	7.737	261761	7.743	107	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	180807	9.492	173951	9.492	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	381325	10.996	358152	10.996	106	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	394386	14.633	367719	14.638	107	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	383913	18.083	331651	18.089	116	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	295365	20.467	248688	20.473	119	50 - 200	-0.0060	+/-0.50	

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

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>A0I0556</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence:	<u>0I29037</u>	Instrument:	<u>SV-GCMS14</u>
Matrix:	<u>Sediment</u>	Calibration:	<u>A0H1005</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0I29037-CCV1)			Lab File ID: N09292003.D			Analyzed: 09/29/20 09:09			
Naphthalene-d8 (ISTD)	228579	7.743	239628	7.737	95	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	165446	9.492	160491	9.492	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	335704	10.996	310167	10.996	108	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	320974	14.638	274150	14.633	117	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	290316	18.089	244609	18.083	119	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	218507	20.467	188292	20.467	116	50 - 200	0.0000	+/-0.50	
Calibration Blank (0I29037-CCB1)			Lab File ID: N09292004.D			Analyzed: 09/29/20 09:40			
Naphthalene-d8 (ISTD)	234451	7.743	228579	7.743	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	161915	9.492	165446	9.492	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	323701	10.996	335704	10.996	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	255267	14.633	320974	14.638	80	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	225886	18.083	290316	18.089	78	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	185034	20.467	218507	20.467	85	50 - 200	0.0000	+/-0.50	
Blank (0090828-BLK1)			Lab File ID: N09292005.D			Analyzed: 09/29/20 10:12			
Naphthalene-d8 (ISTD)	220629	7.737	228579	7.743	97	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	151021	9.492	165446	9.492	91	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	299784	10.996	335704	10.996	89	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	279689	14.633	320974	14.638	87	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	252106	18.083	290316	18.089	87	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	200076	20.461	218507	20.467	92	50 - 200	-0.0060	+/-0.50	
LCS (0090828-BS1)			Lab File ID: N09292006.D			Analyzed: 09/29/20 10:44			
Naphthalene-d8 (ISTD)	217951	7.743	228579	7.743	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	155757	9.492	165446	9.492	94	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	322128	10.996	335704	10.996	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	316045	14.633	320974	14.638	98	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	284191	18.083	290316	18.089	98	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	219818	20.467	218507	20.467	101	50 - 200	0.0000	+/-0.50	
PDI-018SC-A-02-03-190926 (A0I0556-42RE1)			Lab File ID: N09292007.D			Analyzed: 09/29/20 11:16			
Naphthalene-d8 (ISTD)	241051	7.743	228579	7.743	105	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	162139	9.492	165446	9.492	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	327640	10.996	335704	10.996	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	333627	14.633	320974	14.638	104	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	317549	18.083	290316	18.089	109	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	245099	20.467	218507	20.467	112	50 - 200	0.0000	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0I29037
 Matrix: Sediment

SDG: A0I0556
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: SV-GCMS14
 Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (0090828-MS1)			Lab File ID: N09292008.D			Analyzed: 09/29/20 11:56			
Naphthalene-d8 (ISTD)	256233	7.737	228579	7.743	112	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	153820	9.492	165446	9.492	93	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	356549	10.996	335704	10.996	106	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	399720	14.639	320974	14.638	125	50 - 200	0.0010	+/-0.50	
Perylene-d12 (ISTD)	393847	18.089	290316	18.089	136	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	302266	20.467	218507	20.467	138	50 - 200	0.0000	+/-0.50	
PDI-018SC-A-00-01-190926 (A0I0556-40RE1)			Lab File ID: N09292009.D			Analyzed: 09/29/20 12:28			
Naphthalene-d8 (ISTD)	237460	7.749	228579	7.743	104	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	164171	9.498	165446	9.492	99	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	339282	11.001	335704	10.996	101	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	356796	14.638	320974	14.638	111	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	344533	18.095	290316	18.089	119	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	271032	20.473	218507	20.467	124	50 - 200	0.0060	+/-0.50	
Duplicate (0090828-DUPI)			Lab File ID: N09292010.D			Analyzed: 09/29/20 13:00			
Naphthalene-d8 (ISTD)	251115	7.743	228579	7.743	110	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	162394	9.492	165446	9.492	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	315869	10.996	335704	10.996	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	314781	14.639	320974	14.638	98	50 - 200	0.0010	+/-0.50	
Perylene-d12 (ISTD)	306720	18.089	290316	18.089	106	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	230360	20.467	218507	20.467	105	50 - 200	0.0000	+/-0.50	
PDI-018SC-A-01-02-190926 (A0I0556-41RE1)			Lab File ID: N09292011.D			Analyzed: 09/29/20 13:33			
Naphthalene-d8 (ISTD)	245897	7.743	228579	7.743	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	164919	9.492	165446	9.492	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	351412	10.996	335704	10.996	105	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	386318	14.639	320974	14.638	120	50 - 200	0.0010	+/-0.50	
Perylene-d12 (ISTD)	381338	18.089	290316	18.089	131	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	300642	20.467	218507	20.467	138	50 - 200	0.0000	+/-0.50	
Duplicate (0090828-DUP2)			Lab File ID: N09292012.D			Analyzed: 09/29/20 14:05			
Naphthalene-d8 (ISTD)	242659	7.743	228579	7.743	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	168596	9.492	165446	9.492	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	344134	10.996	335704	10.996	103	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	333172	14.633	320974	14.638	104	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	314203	18.083	290316	18.089	108	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	252727	20.467	218507	20.467	116	50 - 200	0.0000	+/-0.50	

HOLDING TIME SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: A0I0556

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-171SC-A-01-02-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 10:22	126.80	14.00	09/25/20 16:37	0.26	40.00	*
PDI-171SC-A-02-03-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 10:22	126.80	14.00	09/25/20 17:45	0.31	40.00	*
PDI-171SC-A-03-04-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 10:22	126.80	14.00	09/25/20 18:18	0.33	40.00	*
PDI-171SC-A-04-05-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 10:22	126.80	14.00	09/25/20 18:51	0.35	40.00	*
PDI-171SC-A-05-06-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 10:22	126.80	14.00	09/25/20 19:24	0.38	40.00	*
PDI-171SC-A-06-07-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 10:22	126.80	14.00	09/25/20 19:58	0.40	40.00	*
PDI-173SC-A-01-02-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 10:22	126.94	14.00	09/25/20 20:31	0.42	40.00	*
PDI-173SC-A-02-03-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 10:22	126.94	14.00	09/25/20 21:03	0.45	40.00	*
PDI-173SC-A-03-04-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 10:22	126.94	14.00	09/25/20 21:36	0.47	40.00	*
PDI-174SC-A-01-02-200521	05/21/20 12:10	05/07/20 10:07	09/25/20 10:22	126.93	14.00	09/25/20 22:08	0.49	40.00	*
PDI-174SC-A-02-03-200521	05/21/20 12:10	05/07/20 10:07	09/25/20 10:22	126.93	14.00	09/25/20 22:41	0.51	40.00	*
PDI-018SC-A-00-01-190926	09/26/19 08:54	05/07/20 10:07	09/29/20 07:02	368.92	14.00	09/29/20 12:28	0.23	40.00	*
PDI-018SC-A-01-02-190926	09/26/19 08:54	05/07/20 10:07	09/29/20 07:02	368.92	14.00	09/29/20 13:33	0.27	40.00	*
PDI-018SC-A-02-03-190926	09/26/19 08:54	05/07/20 10:07	09/29/20 07:02	368.92	14.00	09/29/20 11:16	0.18	40.00	*
PDI-018SC-A-03-04-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 10:22	365.06	14.00	09/25/20 23:13	0.54	40.00	*
PDI-018SC-A-04-05-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 10:22	365.06	14.00	09/25/20 23:44	0.56	40.00	*
PDI-018SC-A-05-06-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 10:22	365.06	14.00	09/26/20 00:16	0.58	40.00	*

Apex Laboratories

SDG: A0I0556

CLASS: WET

METHOD: PSEP_SM 5310B MOD

ANALYSES DATA PACKAGE COVER PAGE

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-173SC-A-01-02-200521</u>	<u>A0I0556-35</u>	<u>SE</u>
<u>PDI-173SC-A-02-03-200521</u>	<u>A0I0556-36</u>	<u>SE</u>
<u>PDI-173SC-A-03-04-200521</u>	<u>A0I0556-37</u>	<u>SE</u>
<u>PDI-174SC-A-01-02-200521</u>	<u>A0I0556-38</u>	<u>SE</u>
<u>PDI-174SC-A-02-03-200521</u>	<u>A0I0556-39</u>	<u>SE</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/11/2020 9:52AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

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	%

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

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

PDI-173SC-A-01-02-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-35

Sampled: 05/21/20 11:45

Prepared: 11/06/20 09:13

Analyzed: 11/09/20 19:33

Solids: 77.41

Preparation: PSEP-5310B TOC

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

Batch: 0110194

Sequence: 0K09056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.28	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

PDI-173SC-A-02-03-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-36

Sampled: 05/21/20 11:45

Prepared: 11/06/20 09:13

Analyzed: 11/09/20 20:06

Solids: 74.97

Preparation: PSEP-5310B TOC

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

Batch: 0110194

Sequence: 0K09056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.083	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

PDI-173SC-A-03-04-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-37

Sampled: 05/21/20 11:45

Prepared: 11/06/20 09:13

Analyzed: 11/09/20 20:17

Solids: 69.06

Preparation: PSEP-5310B TOC

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

Batch: 0110194

Sequence: 0K09056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.55	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

PDI-174SC-A-01-02-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-38

Sampled: 05/21/20 12:10

Prepared: 11/06/20 09:13

Analyzed: 11/09/20 20:27

Solids: 76.82

Preparation: PSEP-5310B TOC

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

Batch: 0110194

Sequence: 0K09056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.088	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

PDI-174SC-A-02-03-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-39

Sampled: 05/21/20 12:10

Prepared: 11/06/20 09:13

Analyzed: 11/09/20 21:00

Solids: 76.31

Preparation: PSEP-5310B TOC

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

Batch: 0110194

Sequence: 0K09056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.075	1		PSEP_SM 5310B MOD

PREPARATION BATCH SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0110194 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0110194-BLK1		11/06/20 09:13	
LCS	0110194-BS1		11/06/20 09:13	
PDI-173SC-A-01-02-200521 (Dup)	0110194-DUP1		11/06/20 09:13	
PDI-173SC-A-01-02-200521 (Dup)	0110194-DUP2		11/06/20 09:13	
PDI-173SC-A-01-02-200521	A0I0556-35		11/06/20 09:13	
PDI-173SC-A-02-03-200521	A0I0556-36		11/06/20 09:13	
PDI-173SC-A-03-04-200521	A0I0556-37		11/06/20 09:13	
PDI-174SC-A-01-02-200521	A0I0556-38		11/06/20 09:13	
PDI-174SC-A-02-03-200521	A0I0556-39		11/06/20 09:13	

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.

METHOD BLANK DATA SHEET
PSEP_SM 5310B MOD

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0I0556</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>0110194-BLK1</u>	File ID:
Prepared: <u>11/06/20 09:13</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>
Analyzed: <u>11/09/20 18:50</u>	Instrument: <u>TOC6</u>	
Batch: <u>0110194</u>	Sequence: <u>0K09056</u>	Calibration: <u>A0H1904</u>

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

LCS / LCS DUPLICATE RECOVERY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Soil

Batch: 0110194

Laboratory ID: 0110194-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	9900	99	88 - 111

* = Values outside of QC limits

DUPLICATES
PSEP_SM 5310B MOD

PDI-173SC-A-01-02-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Soil

Laboratory ID: 0110194-DUP1

Batch: 0110194

Lab Source ID: A0I0556-35

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-173SC-A-01-02-200521

% Solids: 77.41

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% dry)	C	DUPLICATE CONCENTRATION (% dry)	C	RPD %	Q	METHOD
Total Organic Carbon	27	0.28		0.15		60	*	SEP_SM 5310B MOI

* Values outside of QC limits

DUPLICATES
PSEP_SM 5310B MOD

PDI-173SC-A-01-02-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Soil

Laboratory ID: 0110194-DUP2

Batch: 0110194

Lab Source ID: A0I0556-35

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-173SC-A-01-02-200521

% Solids: 77.41

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% dry)	C	DUPLICATE CONCENTRATION (% dry)	C	RPD %	Q	METHOD
Total Organic Carbon	27	0.28		0.17		45	*	PSEP_SM 5310B MOI

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0H18059

Instrument: TOC6

Matrix: Soil

Calibration: A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0H18059-CAL2	0H18059.txt-005	08/18/20 17:43
Cal Standard	0H18059-CAL3	0H18059.txt-006	08/18/20 17:53
Cal Standard	0H18059-CAL4	0H18059.txt-007	08/18/20 18:04
Cal Standard	0H18059-CAL5	0H18059.txt-008	08/18/20 18:15
Cal Standard	0H18059-CAL6	0H18059.txt-009	08/18/20 18:26
Cal Standard	0H18059-CAL7	0H18059.txt-010	08/18/20 18:37
Cal Standard	0H18059-CAL8	0H18059.txt-011	08/18/20 18:47
Cal Standard	0H18059-CAL9	0H18059.txt-012	08/18/20 18:58
Initial Cal Check	0H18059-ICV1	0H18059.txt-014	08/18/20 19:20
Initial Cal Blank	0H18059-ICB1	0H18059.txt-015	08/18/20 19:31

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Sequence: 0K09056

Instrument: TOC6

Matrix: Soil

Calibration: A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0K09056-CCV1		11/09/20 18:29
Calibration Blank	0K09056-CCB1		11/09/20 18:40
Blank	0110194-BLK1		11/09/20 18:50
LCS	0110194-BS1		11/09/20 19:01
PDI-173SC-A-01-02-200521	A0I0556-35		11/09/20 19:33
PDI-173SC-A-01-02-200521 (Dup)	0110194-DUP1		11/09/20 19:44
PDI-173SC-A-01-02-200521 (Dup)	0110194-DUP2		11/09/20 19:55
PDI-173SC-A-02-03-200521	A0I0556-36		11/09/20 20:06
PDI-173SC-A-03-04-200521	A0I0556-37		11/09/20 20:17
PDI-174SC-A-01-02-200521	A0I0556-38		11/09/20 20:27
Calibration Check	0K09056-CCV2		11/09/20 20:38
Calibration Blank	0K09056-CCB2		11/09/20 20:49
PDI-174SC-A-02-03-200521	A0I0556-39		11/09/20 21:00
Calibration Check	0K09056-CCV3		11/09/20 22:48
Calibration Blank	0K09056-CCB3		11/09/20 22:58
Calibration Check	0K09056-CCV4		11/10/20 00:57
Calibration Blank	0K09056-CCB4		11/10/20 01:08
Calibration Check	0K09056-CCV5		11/10/20 03:07
Calibration Blank	0K09056-CCB5		11/10/20 03:18
Calibration Check	0K09056-CCV6		11/10/20 05:18
Calibration Blank	0K09056-CCB6		11/10/20 05:29

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

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

INITIAL CALIBRATION DATA (Summary)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0H1904

Date: 08/19/20 16:15

Instrument: TOC6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon	138.9486	Lin	5.543524			0.99974			

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

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0H1904

Instrument: TOC6

Calibration Date: 08/19/20 16:15

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	152.6808	500	143.8895	1000	143.7313	2500	130.8668	5000	130.5313	12500	139.2529

INITIAL CALIBRATION DATA (Continued)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Calibration: A0H1904

Instrument: TOC6

Matrix:

Calibration Date: 08/19/20 16:15

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	138.2198	50000	132.4167								

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Instrument ID: TOC6

Calibration: A0H1904

Control Limit: +/- 10.00%

Sequence: 0H18059

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0H18059-ICV1	Total Organic Carbon	10000	9800	98	mg/kg	SEP_SM 5310B MOI

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Instrument ID: TOC6

Calibration: A0H1904

Control Limit: +/- 10.00%

Sequence: 0K09056

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0K09056-CCV1	Total Organic Carbon	10000	11000	109	mg/kg	SEP_SM 5310B MOI
0K09056-CCV2	Total Organic Carbon	10000	9800	98	mg/kg	SEP_SM 5310B MOI
0K09056-CCV3	Total Organic Carbon	10000	9700	97	mg/kg	SEP_SM 5310B MOI
0K09056-CCV4	Total Organic Carbon	10000	9700	97	mg/kg	SEP_SM 5310B MOI
0K09056-CCV5	Total Organic Carbon	10000	9600	96	mg/kg	SEP_SM 5310B MOI
0K09056-CCV6	Total Organic Carbon	10000	9800	98	mg/kg	SEP_SM 5310B MOI

* Values outside of OC limits

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Instrument ID: TOC6

Calibration: A0H1904

Sequence: 0H18059

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0H18059-ICB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD

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

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

Instrument ID: TOC6

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

Sequence: 0K09056

Calibration: A0H1904

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0K09056-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0K09056-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0K09056-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0K09056-CCB4	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0K09056-CCB5	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0K09056-CCB6	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD

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

HOLDING TIME SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0I0556

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-173SC-A-01-02-200521	05/21/20 11:45	05/07/20 10:07	11/06/20 09:13	168.89	14.00	11/09/20 19:33	172.33	14.00	*
PDI-173SC-A-02-03-200521	05/21/20 11:45	05/07/20 10:07	11/06/20 09:13	168.89	14.00	11/09/20 20:06	172.35	14.00	*
PDI-173SC-A-03-04-200521	05/21/20 11:45	05/07/20 10:07	11/06/20 09:13	168.89	14.00	11/09/20 20:17	172.36	14.00	*
PDI-174SC-A-01-02-200521	05/21/20 12:10	05/07/20 10:07	11/06/20 09:13	168.88	14.00	11/09/20 20:27	172.35	14.00	*
PDI-174SC-A-02-03-200521	05/21/20 12:10	05/07/20 10:07	11/06/20 09:13	168.88	14.00	11/09/20 21:00	172.37	14.00	*

Apex Laboratories

SDG: A0I0556
CLASS: WET
METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-048SC-A-08-11-200506</u>	<u>A0I0556-04</u>	<u>SE</u>
<u>PDI-069SC-B-08-10-191016</u>	<u>A0I0556-07</u>	<u>SE</u>
<u>PDI-069SC-A-10-11-191016</u>	<u>A0I0556-08</u>	<u>SE</u>
<u>PDI-073SC-A-08-09-191013</u>	<u>A0I0556-09</u>	<u>SE</u>
<u>PDI-073SC-A-09-10-191013</u>	<u>A0I0556-10</u>	<u>SE</u>
<u>PDI-073SC-A-10-11-191013</u>	<u>A0I0556-11</u>	<u>SE</u>
<u>PDI-075SC-B-08-10-191013</u>	<u>A0I0556-14</u>	<u>SE</u>
<u>PDI-075SC-B-10-12-191013</u>	<u>A0I0556-17</u>	<u>SE</u>
<u>PDI-075SC-B-12-14-191013</u>	<u>A0I0556-20</u>	<u>SE</u>
<u>PDI-078SC-A-07-08-200505</u>	<u>A0I0556-21</u>	<u>SE</u>
<u>PDI-079SC-B-06-08-191014</u>	<u>A0I0556-22</u>	<u>SE</u>
<u>PDI-083SC-A-08-09-191022</u>	<u>A0I0556-23</u>	<u>SE</u>
<u>PDI-083SC-A-09-10-191022</u>	<u>A0I0556-24</u>	<u>SE</u>
<u>PDI-083SC-B-10-12-191022</u>	<u>A0I0556-27</u>	<u>SE</u>
<u>PDI-083SC-A-14-15-191022</u>	<u>A0I0556-28</u>	<u>SE</u>
<u>PDI-171SC-A-01-02-200521</u>	<u>A0I0556-29</u>	<u>SE</u>
<u>PDI-171SC-A-02-03-200521</u>	<u>A0I0556-30</u>	<u>SE</u>
<u>PDI-171SC-A-03-04-200521</u>	<u>A0I0556-31</u>	<u>SE</u>
<u>PDI-171SC-A-04-05-200521</u>	<u>A0I0556-32</u>	<u>SE</u>
<u>PDI-171SC-A-05-06-200521</u>	<u>A0I0556-33</u>	<u>SE</u>
<u>PDI-171SC-A-06-07-200521</u>	<u>A0I0556-34</u>	<u>SE</u>
<u>PDI-173SC-A-01-02-200521</u>	<u>A0I0556-35</u>	<u>SE</u>
<u>PDI-173SC-A-02-03-200521</u>	<u>A0I0556-36</u>	<u>SE</u>
<u>PDI-173SC-A-03-04-200521</u>	<u>A0I0556-37</u>	<u>SE</u>
<u>PDI-174SC-A-01-02-200521</u>	<u>A0I0556-38</u>	<u>SE</u>
<u>PDI-174SC-A-02-03-200521</u>	<u>A0I0556-39</u>	<u>SE</u>
<u>PDI-018SC-A-00-01-190926</u>	<u>A0I0556-40</u>	<u>SE</u>
<u>PDI-018SC-A-01-02-190926</u>	<u>A0I0556-41</u>	<u>SE</u>
<u>PDI-018SC-A-02-03-190926</u>	<u>A0I0556-42</u>	<u>SE</u>
<u>PDI-018SC-A-03-04-190926</u>	<u>A0I0556-43</u>	<u>SE</u>
<u>PDI-018SC-A-04-05-190926</u>	<u>A0I0556-44</u>	<u>SE</u>
<u>PDI-018SC-A-05-06-190926</u>	<u>A0I0556-45</u>	<u>SE</u>

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

PDI-083SC-B-12-14-191022

A0I0556-48

SE

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: _____

11/11/2020 9:52AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

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-048SC-A-08-11-200506

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-04

Sampled: 05/06/20 11:15

Prepared: 09/30/20 08:16

Analyzed: 10/01/20 14:57

Solids: 56.43

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090868

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	56.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-069SC-B-08-10-191016

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-07

Sampled: 10/16/19 10:38

Prepared: 10/02/20 09:09

Analyzed: 10/05/20 14:57

Solids: 63.25

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100056

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	63.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-069SC-A-10-11-191016

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-08

Sampled: 10/16/19 10:35

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 55.44

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	55.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-073SC-A-08-09-191013

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-09

Sampled: 10/13/19 10:41

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 63.74

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	63.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-073SC-A-09-10-191013

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-10

Sampled: 10/13/19 10:41

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 62.36

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	62.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-073SC-A-10-11-191013

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-11

Sampled: 10/13/19 10:41

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 65.44

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	65.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-075SC-B-08-10-191013

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-14

Sampled: 10/13/19 07:35

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 58.98

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	59.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-075SC-B-10-12-191013

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-17

Sampled: 10/13/19 07:35

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 58.70

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

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-075SC-B-12-14-191013

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-20

Sampled: 10/13/19 07:35

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 63.61

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	63.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-078SC-A-07-08-200505

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-21

Sampled: 05/05/20 10:50

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 60.71

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	60.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-079SC-B-06-08-191014

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-22

Sampled: 10/14/19 13:15

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 62.18

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	62.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-A-08-09-191022

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-23

Sampled: 10/22/19 14:07

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 54.54

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	54.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-A-09-10-191022

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-24

Sampled: 10/22/19 14:07

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 56.55

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	56.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-B-10-12-191022

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-27

Sampled: 10/22/19 14:05

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 56.64

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	56.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-A-14-15-191022

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-28

Sampled: 10/22/19 14:07

Prepared: 09/30/20 11:24

Analyzed: 10/01/20 14:34

Solids: 58.50

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090890

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	58.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-171SC-A-01-02-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-29

Sampled: 05/21/20 15:15

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 54.43

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	54.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-171SC-A-02-03-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-30

Sampled: 05/21/20 15:15

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 43.04

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	43.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-171SC-A-03-04-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-31

Sampled: 05/21/20 15:15

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 56.27

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	56.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-171SC-A-04-05-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-32

Sampled: 05/21/20 15:15

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 57.73

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	57.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-171SC-A-05-06-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-33

Sampled: 05/21/20 15:15

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 68.56

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	68.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-171SC-A-06-07-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-34

Sampled: 05/21/20 15:15

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 67.52

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	67.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-173SC-A-01-02-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-35

Sampled: 05/21/20 11:45

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 77.41

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	77.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-173SC-A-02-03-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-36

Sampled: 05/21/20 11:45

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 74.97

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	75.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-173SC-A-03-04-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-37

Sampled: 05/21/20 11:45

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 69.06

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	69.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-174SC-A-01-02-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-38

Sampled: 05/21/20 12:10

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 76.82

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	76.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-174SC-A-02-03-200521

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-39

Sampled: 05/21/20 12:10

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 76.31

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	76.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-018SC-A-00-01-190926

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-40

Sampled: 09/26/19 08:54

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 87.25

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	87.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-018SC-A-01-02-190926

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-41

Sampled: 09/26/19 08:54

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 86.51

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	86.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-018SC-A-02-03-190926

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-42

Sampled: 09/26/19 08:54

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 71.25

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	71.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-018SC-A-03-04-190926

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-43

Sampled: 09/26/19 08:54

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 17:08

Solids: 67.51

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	67.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-018SC-A-04-05-190926

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-44

Sampled: 09/26/19 08:54

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 70.49

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	70.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-018SC-A-05-06-190926

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-45

Sampled: 09/26/19 08:54

Prepared: 09/25/20 13:22

Analyzed: 09/29/20 15:06

Solids: 72.56

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090759

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	72.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-B-12-14-191022

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0I0556-48

Sampled: 10/22/19 14:05

Prepared: 09/30/20 08:16

Analyzed: 10/01/20 14:57

Solids: 57.87

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0090868

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	57.9	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090759

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-171SC-A-01-02-200521 (Dup)	0090759-DUP1		09/25/20 13:22	
PDI-018SC-A-01-02-190926 (Dup)	0090759-DUP2		09/25/20 13:22	
PDI-171SC-A-01-02-200521	A0I0556-29		09/25/20 13:22	
PDI-171SC-A-02-03-200521	A0I0556-30		09/25/20 13:22	
PDI-171SC-A-03-04-200521	A0I0556-31		09/25/20 13:22	
PDI-171SC-A-04-05-200521	A0I0556-32		09/25/20 13:22	
PDI-171SC-A-05-06-200521	A0I0556-33		09/25/20 13:22	
PDI-171SC-A-06-07-200521	A0I0556-34		09/25/20 13:22	
PDI-173SC-A-01-02-200521	A0I0556-35		09/25/20 13:22	
PDI-173SC-A-02-03-200521	A0I0556-36		09/25/20 13:22	
PDI-173SC-A-03-04-200521	A0I0556-37		09/25/20 13:22	
PDI-174SC-A-01-02-200521	A0I0556-38		09/25/20 13:22	
PDI-174SC-A-02-03-200521	A0I0556-39		09/25/20 13:22	
PDI-018SC-A-00-01-190926	A0I0556-40		09/25/20 13:22	
PDI-018SC-A-01-02-190926	A0I0556-41		09/25/20 13:22	
PDI-018SC-A-02-03-190926	A0I0556-42		09/25/20 13:22	
PDI-018SC-A-03-04-190926	A0I0556-43		09/25/20 13:22	
PDI-018SC-A-04-05-190926	A0I0556-44		09/25/20 13:22	
PDI-018SC-A-05-06-190926	A0I0556-45		09/25/20 13:22	

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: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090868

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-048SC-A-08-11-200506 (Dup)	0090868-DUP1		09/30/20 08:16	
PDI-048SC-A-08-11-200506	A0I0556-04		09/30/20 08:16	
PDI-083SC-B-12-14-191022	A0I0556-48		09/30/20 08:16	

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.

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Batch: 0090890

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-075SC-B-10-12-191013 (Dup)	0090890-DUP2		09/30/20 11:24	
PDI-069SC-A-10-11-191016	A0I0556-08		09/30/20 11:24	
PDI-073SC-A-08-09-191013	A0I0556-09		09/30/20 11:24	
PDI-073SC-A-09-10-191013	A0I0556-10		09/30/20 11:24	
PDI-073SC-A-10-11-191013	A0I0556-11		09/30/20 11:24	
PDI-075SC-B-08-10-191013	A0I0556-14		09/30/20 11:24	
PDI-075SC-B-10-12-191013	A0I0556-17		09/30/20 11:24	
PDI-075SC-B-12-14-191013	A0I0556-20		09/30/20 11:24	
PDI-078SC-A-07-08-200505	A0I0556-21		09/30/20 11:24	
PDI-079SC-B-06-08-191014	A0I0556-22		09/30/20 11:24	
PDI-083SC-A-08-09-191022	A0I0556-23		09/30/20 11:24	
PDI-083SC-A-09-10-191022	A0I0556-24		09/30/20 11:24	
PDI-083SC-B-10-12-191022	A0I0556-27		09/30/20 11:24	
PDI-083SC-A-14-15-191022	A0I0556-28		09/30/20 11:24	

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

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

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories SDG: A0I0556
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
Batch: 0100056 Batch Matrix: Sediment Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-069SC-B-08-10-191016	A0I0556-07		10/02/20 09:09	

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.

DUPLICATES

PDI-171SC-A-01-02-200521

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090759-DUP1

Batch: 0090759

Lab Source ID: A0I0556-29

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-171SC-A-01-02-200521

% Solids: 54.43

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	54.4		55.1		1		SM 2540 G

* Values outside of QC limits

DUPLICATES

PDI-018SC-A-01-02-190926

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090759-DUP2

Batch: 0090759

Lab Source ID: A0I0556-41

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-018SC-A-01-02-190926

% Solids: 86.51

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	86.5		81.3		6		SM 2540 G

* Values outside of QC limits

DUPLICATES

PDI-048SC-A-08-11-200506

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090868-DUP1

Batch: 0090868

Lab Source ID: A0I0556-04

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-048SC-A-08-11-200506

% Solids: 56.43

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	56.4		57.0		1		SM 2540 G

* Values outside of QC limits

DUPLICATES

PDI-075SC-B-10-12-191013

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0090890-DUP2

Batch: 0090890

Lab Source ID: A0I0556-17

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-075SC-B-10-12-191013

% Solids: 58.70

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	58.7		60.1		2		SM 2540 G

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

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-048SC-A-08-11-200506	05/06/20 11:15	05/07/20 10:07	09/30/20 08:16	146.88	180.00	10/01/20 14:57	1.28		
PDI-069SC-B-08-10-191016	10/16/19 10:38	05/07/20 10:07	10/02/20 09:09	351.94	180.00	10/05/20 14:57	3.24		*
PDI-069SC-A-10-11-191016	10/16/19 10:35	05/07/20 10:07	09/30/20 11:24	350.03	180.00	10/01/20 14:34	1.13		*
PDI-073SC-A-08-09-191013	10/13/19 10:41	05/07/20 10:07	09/30/20 11:24	353.03	180.00	10/01/20 14:34	1.13		*
PDI-073SC-A-09-10-191013	10/13/19 10:41	05/07/20 10:07	09/30/20 11:24	353.03	180.00	10/01/20 14:34	1.13		*
PDI-073SC-A-10-11-191013	10/13/19 10:41	05/07/20 10:07	09/30/20 11:24	353.03	180.00	10/01/20 14:34	1.13		*
PDI-075SC-B-08-10-191013	10/13/19 07:35	05/07/20 10:07	09/30/20 11:24	353.16	180.00	10/01/20 14:34	1.13		*
PDI-075SC-B-10-12-191013	10/13/19 07:35	05/07/20 10:07	09/30/20 11:24	353.16	180.00	10/01/20 14:34	1.13		*
PDI-075SC-B-12-14-191013	10/13/19 07:35	05/07/20 10:07	09/30/20 11:24	353.16	180.00	10/01/20 14:34	1.13		*
PDI-078SC-A-07-08-200505	05/05/20 10:50	05/07/20 10:07	09/30/20 11:24	148.02	180.00	10/01/20 14:34	1.13		
PDI-079SC-B-06-08-191014	10/14/19 13:15	05/07/20 10:07	09/30/20 11:24	351.92	180.00	10/01/20 14:34	1.13		*
PDI-083SC-A-08-09-191022	10/22/19 14:07	05/07/20 10:07	09/30/20 11:24	343.89	180.00	10/01/20 14:34	1.13		*
PDI-083SC-A-09-10-191022	10/22/19 14:07	05/07/20 10:07	09/30/20 11:24	343.89	180.00	10/01/20 14:34	1.13		*
PDI-083SC-B-10-12-191022	10/22/19 14:05	05/07/20 10:07	09/30/20 11:24	343.89	180.00	10/01/20 14:34	1.13		*
PDI-083SC-A-14-15-191022	10/22/19 14:07	05/07/20 10:07	09/30/20 11:24	343.89	180.00	10/01/20 14:34	1.13		*
PDI-171SC-A-01-02-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 13:22	126.92	180.00	09/29/20 15:06	4.07		
PDI-171SC-A-02-03-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 13:22	126.92	180.00	09/29/20 15:06	4.07		
PDI-171SC-A-03-04-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 13:22	126.92	180.00	09/29/20 15:06	4.07		
PDI-171SC-A-04-05-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 13:22	126.92	180.00	09/29/20 15:06	4.07		
PDI-171SC-A-05-06-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 13:22	126.92	180.00	09/29/20 15:06	4.07		
PDI-171SC-A-06-07-200521	05/21/20 15:15	05/07/20 10:07	09/25/20 13:22	126.92	180.00	09/29/20 15:06	4.07		
PDI-173SC-A-01-02-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 13:22	127.07	180.00	09/29/20 15:06	4.07		
PDI-173SC-A-02-03-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 13:22	127.07	180.00	09/29/20 15:06	4.07		
PDI-173SC-A-03-04-200521	05/21/20 11:45	05/07/20 10:07	09/25/20 13:22	127.07	180.00	09/29/20 15:06	4.07		

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0I0556

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-174SC-A-01-02-200521	05/21/20 12:10	05/07/20 10:07	09/25/20 13:22	127.05	180.00	09/29/20 15:06	4.07		
PDI-174SC-A-02-03-200521	05/21/20 12:10	05/07/20 10:07	09/25/20 13:22	127.05	180.00	09/29/20 15:06	4.07		
PDI-018SC-A-00-01-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 13:22	365.19	180.00	09/29/20 15:06	4.07		*
PDI-018SC-A-01-02-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 13:22	365.19	180.00	09/29/20 15:06	4.07		*
PDI-018SC-A-02-03-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 13:22	365.19	180.00	09/29/20 15:06	4.07		*
PDI-018SC-A-03-04-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 13:22	365.19	180.00	09/29/20 17:08	4.16		*
PDI-018SC-A-04-05-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 13:22	365.19	180.00	09/29/20 15:06	4.07		*
PDI-018SC-A-05-06-190926	09/26/19 08:54	05/07/20 10:07	09/25/20 13:22	365.19	180.00	09/29/20 15:06	4.07		*
PDI-083SC-B-12-14-191022	10/22/19 14:05	05/07/20 10:07	09/30/20 08:16	343.76	180.00	10/01/20 14:57	1.28		*

Raw Data

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

Batch 0090782

Batch 0090841

Sequence 0128031 (A010556-07,08,21,29,44,45)




Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090782 (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	
	0090782-BLK1	QC	09/28/20 07:19	16	1				100						
	0090782-BS1	QC	09/28/20 07:19	15	1	A201171		100	100						
	0090782-BS2	QC	09/29/20 07:19	15	1	A201171		100	100						
	A010556-07	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.44	1				100	PDI-069SC-B-08-10-191016	+1262,1268				
	0090782-DUP1	QC	09/28/20 07:19	15.36	1		A010556-07		100						
	A010556-08	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.11	1				100	PDI-069SC-A-10-11-191016	+1262,1268				
	A010556-21	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.27	1				100	PDI-078SC-A-07-08-200505	+1262,1268				
	A010556-29	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.74	1				100	PDI-171SC-A-01-02-200521	+1262,1268				
	A010556-30	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.37	1				100	PDI-171SC-A-02-03-200521	+1262,1268				
	A010556-31	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.39	1				100	PDI-171SC-A-03-04-200521	+1262,1268				
	A010556-32	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.73	1				100	PDI-171SC-A-04-05-200521	+1262,1268				
	A010556-33	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.68	1				100	PDI-171SC-A-05-06-200521	+1262,1268				
	A010556-34	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.74	1				100	PDI-171SC-A-06-07-200521	+1262,1268				
	A010556-35	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.76	1				100	PDI-173SC-A-01-02-200521	+1262,1268				
	A010556-36	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.37	1				100	PDI-173SC-A-02-03-200521	+1262,1268				
	A010556-37	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.51	1				100	PDI-173SC-A-03-04-200521	+1262,1268				
	A010556-38	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.56	1				100	PDI-174SC-A-01-02-200521	+1262,1268				
	A010556-39	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.66	1				100	PDI-174SC-A-02-03-200521	+1262,1268				
	A010556-39RE1	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.66	1				100	PDI-174SC-A-02-03-200521	Front Column Added 9/29/2020 By KAK				
	A010556-40	B 8082 PCBs - Low Level (15g/1mL)	09/28/20 12:17	15.33	1				100	PDI-018SC-A-00-01-190926	+1262,1268				

Prepared By: _____ Date _____


 Reviewed By: _____ Date 9/30/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0090782 (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	One	>11
	A010556-41	B 8082 PCBs - Low Level (15g/1mL)	09/28/20 12:17	15.11	1				100	PDI-018SC-A-01-02-190926	+1262,1268			
	A010556-42	B 8082 PCBs - Low Level (15g/1mL)	09/28/20 12:17	15.52	1				100	PDI-018SC-A-02-03-190926	+1262,1268			
	A010556-43	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.44	2				100	PDI-018SC-A-03-04-190926	+1262,1268			
	A010556-44	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.12	2				100	PDI-018SC-A-04-05-190926	+1262,1268			
	A010556-45	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.01	2				100	PDI-018SC-A-05-06-190926	+1262,1268			
	0090782-MS1	QC	09/28/20 07:19	15.06	2	A201171	A010556-45	100	100					
	A010556-45RE1	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.01	2				100	PDI-018SC-A-05-06-190926	+1262,1268			

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	A201171	03/13/21	8082 PCB Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20F071	03/02/25	Copper, Granular Lot# 027040-BL						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20G266	01/13/21	Sulfuric Acid						
A20G310	01/18/22	Florisil Lot 024140-CR						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperature achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090782 (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	>11	
	0090782-BLK1	QC	09/28/20 07:19	16	1				100						
	0090782-BS1	QC	09/28/20 07:19	15	1	A201171		100	100						
	A010556-07	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.44	1				100	PDI-069SC-B-08-10-191016	+1262,1268				
	0090782-DUP1	QC	09/28/20 07:19	15.36	1		A010556-07		100						
	A010556-08	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.11	1				100	PDI-069SC-A-10-11-191016	+1262,1268				
	A010556-21	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.27	1				100	PDI-078SC-A-07-08-200505	+1262,1268				
	A010556-29	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.74	1				100	PDI-171SC-A-01-02-200521	+1262,1268				
	A010556-30	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.37	1				100	PDI-171SC-A-02-03-200521	+1262,1268				
	A010556-31	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.39	1				100	PDI-171SC-A-03-04-200521	+1262,1268				
	A010556-32	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.73	1				100	PDI-171SC-A-04-05-200521	+1262,1268				
	A010556-33	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.68	1				100	PDI-171SC-A-05-06-200521	+1262,1268				
	A010556-34	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.74	1				100	PDI-171SC-A-06-07-200521	+1262,1268				
	A010556-35	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.76	1				100	PDI-173SC-A-01-02-200521	+1262,1268				
	A010556-36	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.37	1				100	PDI-173SC-A-02-03-200521	+1262,1268				
	A010556-37	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.51	1				100	PDI-173SC-A-03-04-200521	+1262,1268				
	A010556-38	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.56	1				100	PDI-174SC-A-01-02-200521	+1262,1268				
	A010556-39	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.66	1				100	PDI-174SC-A-02-03-200521	+1262,1268				
1	A010556-40	A 8082 PCBs - Low Level (15g/1mL) B	09/28/20 12:17	15 15.33	1 ✓				100	PDI-018SC-A-00-01-190926	+1262,1268 Sed. (wet), rocks, (S), P, E				SC-1 09/28
2	A010556-41	A 8082 PCBs - Low Level (15g/1mL) B	09/28/20 12:17	15 15.11	1 ✓				100	PDI-018SC-A-01-02-190926	+1262,1268 Sed. (wet), org (S), P, E				

Prepared By: SCC Date: 09/28/2020

Reviewed By: CAS Date: 09/29/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0090782 (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	>11
3	A010556-42	A B 8082 PCBs - Low Level (15g/1mL)	09/28/20 12:17	15 15.52	1 ✓				100	PDI-018SC-A-02 -03-190926	+1262,1268 Sed (wet), org, * (S) P, E			
	A010556-43	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.44	1				100	PDI-018SC-A-03 -04-190926	+1262,1268			
	A010556-44	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.12	1				100	PDI-018SC-A-04 -05-190926	+1262,1268			
	A010556-45	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15.01	1				100	PDI-018SC-A-05 -06-190926	+1262,1268			
	0090782-MS1	QC	09/28/20 07:19	15.06	1	A201171	A010556-45	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	A201171	03/13/21	8082 PCB Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20F071	03/02/25	Copper, Granular Lot# 027040-BL						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20G266	01/13/21	Sulfuric Acid						
A20G310	01/18/22	Florisil Lot 024140-CR						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperature achieved.

Initial: *SCG*

Witness: _____

SCG

* = Partial digest in microwave

(S) = Staining on turbovap tube during concentration

P = Precipitate formed during hexane exchange/concentration

E = Hexane emulsion formed during clean-up.

SCG _____
 Prepared By: _____ Date: 09/28/2020

 Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090782 (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	>11	
1	0090782-BLK1	QC	09/28/20 07:19	15.16	1 ✓				100						
2	0090782-BS1	QC	09/28/20 07:19	15	1 ✓	A201171		100	100						
3	A010556-07	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.44	1 ✓				100	PDI-069SC-B-08 -10-191016	+1262,1268 Sed.(mud), odor (S), P				
4	0090782-DUP1	QC	09/28/20 07:19	15 15.36	1 ✓		A010556-07		100		Sed.(mud), odor (S), P				
5	A010556-08	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.11	1 ✓				100	PDI-069SC-A-10 -11-191016	+1262,1268 Sed.(mud), (S), P				
6	A010556-21	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.27	1 ✓				100	PDI-078SC-A-07 -08-200505	+1262,1268 Sed.(mud) (S), P				
7	A010556-29	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.74	1 ✓				100	PDI-171SC-A-01 -02-200521	+1262,1268 Sed.(mud), (S), P				
8	A010556-30	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.37	1 ✓				100	PDI-171SC-A-02 -03-200521	+1262,1268 Sed.(mud), rocks, org (S), P				
9	A010556-31	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.39	1 ✓				100	PDI-171SC-A-03 -04-200521	+1262,1268 Sed.(mud), rocks, org (S), P				
10	A010556-32	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.73	1 ✓				100	PDI-171SC-A-04 -05-200521	+1262,1268 Sed.(mud), org (S), P				
11	A010556-33	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.68	1 ✓				100	PDI-171SC-A-05 -06-200521	+1262,1268 Sed.(mud), org, (S), P				
12	A010556-34	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.74	1 ✓				100	PDI-171SC-A-06 -07-200521	+1262,1268 Sed.(mud), rocks, org, (S), P				
13	A010556-35	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.76	1 ✓				100	PDI-173SC-A-01 -02-200521	+1262,1268 Sed.(wet), shells, (S), P				
14	A010556-36	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.37	1 ✓				100	PDI-173SC-A-02 -03-200521	+1262,1268 Sed.(wet), P				
15	A010556-37	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.51	1 ✓				100	PDI-173SC-A-03 -04-200521	+1262,1268 Sed.(wet), org, (S), P				
16	A010556-38	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.56	1 ✓				100	PDI-174SC-A-01 -02-200521	+1262,1268 Sed.(wet), rocks, (S), P				
17	A010556-39	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.66	1 ✓				100	PDI-174SC-A-02 -03-200521	+1262,1268 Sed.(wet), (S), P				
18	A010556-40	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15	1				100	PDI-018SC-A-00 -01-190926	+1262,1268 Very limited mass. *				
18	A010556-42	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15	1				100	PDI-018SC-A-02 -03-190926	+1262,1268 Limited mass *				

Prepared By: SCG Date: 09/28/2020

Reviewed By: CAS Date: 09/28/2020

AJT

9-28-20

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090782 (Sediment)

Prep Method: EPA 3546

09/28/20 09:56 - SCC 09/28/2020

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
22	A010556-43 18	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.44	12				100	PDI-018SC-A-03-04-190926	+1262,1268 Sed. (wet), org	(S)	P
21	A010556-44 19	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.12	12				100	PDI-018SC-A-04-05-190926	+1262,1268 Sed (wet)	(S)	P
22	A010556-45 20	A 8082 PCBs - Low Level (15g/1mL)	09/28/20 07:19	15 15.01	12				100	PDI-018SC-A-05-06-190926	+1262,1268 Sed. (mud), rocks	(S)	P
23	0090782-MS1	QC	09/28/20 07:19	15 15.06	12	A201171	A010556-45	100	100		Sed. (mud), rocks	(S)	P

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	A201171	03/13/21	8082 PCB Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20F071	03/02/25	Copper, Granular Lot# 027040-BL						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20G266	01/13/21	Sulfuric Acid						
A20G310	01/18/22	Florisil Lot 024140-CR						
A20H256	02/13/21	DCM CHEM PROD. DZ508-US						
A20H026	01/31/21	DZ242-US						

Method 3546 digestion time and temperature achieved.

Initial: GLL

Witness: AJJ 9-28-20

SCC

SCC and/or extractions supervision

* = Removed from batch to consult PM of next steps. -SCC 09/28/20

(S) = Staining on turbidimetry tube.

P = precipitate formed during solvent exchange.

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090841 (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
	0090841-BLK1	QC	09/29/20 10:52	16	1				100					
	0090841-BSD1	QC	09/29/20 11:00	15	1	A20I171		50	100					
	0090841-BS1	QC	09/29/20 10:52	15	1	A20I171		50	100					
	A0I0556-43RE1	A 8082 PCBs - Low Level (15g/1mL)	09/29/20 10:52	15.25	1				100	PDI-018SC-A-03-04-190926	Low surrogate. Added 9/29/2020 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	A20I171	03/13/21	8082 PCB Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20F071	03/02/25	Copper, Granular Lot# 027040-BL						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20G266	01/13/21	Sulfuric Acid						
A20G310	01/18/22	Florisil Lot 024140-CR						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperature achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____


 Reviewed By: _____ Date 9/30/2020



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090841 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	5-9	>11	
1	0090841-BLK1	QC	09/29/20 10:52	18.16	1				100						
2	0090841-BSD1	QC	09/29/20 11:00	15	1	A201171		50	100						
3	0090841-BS1	QC	09/29/20 10:52	15	1	A201171		50	100						
4	A010556-43RE1	A 8082 PCBs - Low Level (15g/1mL)	09/29/20 10:52	15.25	1				100	PDI-018SC-A-03-04-190926	Low surrogate. Added 9/29/2020 By KAK d/rt org P E				

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	A201171	03/13/21	8082 PCB Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20F071	03/02/25	Copper, Granular Lot# 027040-BL						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20G266	01/13/21	Sulfuric Acid						
A20G310	01/18/22	Florisil Lot 024140-CR						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperture achieved.

Initial: *cault*

Witness: *scg* 09/29/2020

added BSD1 due to limited Sample.

P = Partial dryout.

E = Emulsion in acid layer

cault _____
Prepared By: _____ Date: 9/29/20

Jy _____
Reviewed By: _____ Date: 9/29/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0I28031

Instrument: DUALECD9F

Date: 09/28/20 06:26

Calibration: A0I1008

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0I28031-CCV1	Sediment	QC	QC				A201167
2	0I28031-CCB1	Sediment	QC	QC				A201313
3	0090782-BLK1	Sediment	QC	QC		0090782		
4	0090782-BS1	Sediment	QC	QC		0090782		
5	A0I0556-07	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	10/06/20	0090782		
6	0I28031-IBL1	Sediment	QC	QC				
7	0090782-DUP1	Sediment	QC	QC		0090782		
8	0I28031-IBL2	Sediment	QC	QC				
9	A0I0556-08	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	10/06/20	0090782		
10	0I28031-IBL3	Sediment	QC	QC				
11	A0I0556-21	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	10/06/20	0090782		
12	0I28031-IBL4	Sediment	QC	QC				
13	A0I0556-29	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
14	0I28031-IBL5	Sediment	QC	QC				
15	0I28031-CCV2	Sediment	QC	QC				A201167
16	0I28031-CCB2	Sediment	QC	QC				A201313
17	A0I0556-43	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
18	0I28031-IBL6	Sediment	QC	QC				
19	A0I0556-44	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
20	0I28031-IBL7	Sediment	QC	QC				
21	A0I0556-45	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
22	0I28031-IBL8	Sediment	QC	QC				
23	0090782-MS1	Sediment	QC	QC		0090782		
24	0I28031-IBL9	Sediment	QC	QC				
25	0I28031-CCV3	Sediment	QC	QC				A201167
26	0I28031-CCB3	Sediment	QC	QC				A201313

Data Entered By/Date: KAK 9/29/2020

Comments:

Data Reviewed By/Date: MKZ 9/30/2020

9/29/2020 10:00:05AM

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.

0128031-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	475.27
1016 (2)	523.93
1016 (3)	470.08
1016 (4)	468.15
1016 (5)	487.99
1016 (6)	484.91
Average:	485.06

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	498.82
1260 (2)	496.34
1260 (3)	506.90
1260 (4)	538.15
1260 (5)	532.00
1260 (6)	485.44
Average:	509.61

0090782-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	1,522.50
1016 (2)	1,700.26
1016 (3)	1,540.83
1016 (4)	1,649.71
1016 (5)	1,609.79
1016 (6)	1,551.27
Average:	1,595.73

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,838.49
1260 (2)	1,975.24
1260 (3)	1,965.81
1260 (4)	2,204.58
1260 (5)	2,065.11
1260 (6)	2,066.68
Average:	2,019.32

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.

0128031-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	527.55
1016 (2)	576.75
1016 (3)	549.07
1016 (4)	530.85
1016 (5)	533.78
1016 (6)	529.02
Average:	541.17

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	530.73
1260 (2)	552.15
1260 (3)	536.28
1260 (4)	591.04
1260 (5)	570.85
1260 (6)	530.64
Average:	551.95

0090782-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	718.74
1016 (2)	849.92
1016 (3)	715.17
1016 (4)	728.32
1016 (5)	709.65
1016 (6)	678.73
Average:	733.42

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	808.82
1260 (2)	844.69
1260 (3)	774.98
1260 (4)	946.89
1260 (5)	864.27
1260 (6)	826.73
Average:	844.40

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.

0128031-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	530.46
1016 (2)	604.82
1016 (3)	551.43
1016 (4)	531.65
1016 (5)	540.99
1016 (6)	544.63
Average:	550.66

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	544.30
1260 (2)	553.57
1260 (3)	575.98
1260 (4)	618.70
1260 (5)	595.16
1260 (6)	573.50
Average:	576.87

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_04.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:17 pm
 Operator :
 Sample : 0I28031-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:05 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	358765179	266.481 ng/ml
64) S DCBP (S)	9.750	226613018	238.510 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.818	25858895	475.267 ng/ml
3) Aroclor 1016 (2)	6.234	47562598	523.932 ng/ml
4) Aroclor 1016 (3)	6.316	26378624	470.080 ng/ml
5) Aroclor 1016 (4)	6.476	21921669	468.151 ng/ml
6) Aroclor 1016 (5)	6.700	26862706	487.991 ng/ml
7) Aroclor 1016 (6)	6.828	18438841	484.906 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.248	8416435	530.564 ng/ml
10) Aroclor 1221 (2)	5.372	2912489	273.152 ng/ml
11) Aroclor 1221 (3)	5.453	13057940	383.799 ng/ml
12) Aroclor 1221 (4)	5.925	2377384	406.314 ng/ml
13) Aroclor 1221 (5)	6.234	47562598	7418.495 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.453	13057940	459.409 ng/ml
16) Aroclor 1232 (2)	6.234	47562598	1410.634 ng/ml
17) Aroclor 1232 (3)	6.316	26378624	1263.562 ng/ml
18) Aroclor 1232 (4)	6.476	21921669	1557.363 ng/ml
19) Aroclor 1232 (5)	6.700	26862706	1461.500 ng/ml
20) Aroclor 1232 (6)	6.828	18438841	1269.753 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.818	25858895	699.030 ng/ml
23) Aroclor 1242 (2)	6.234	47562598	746.245 ng/ml
24) Aroclor 1242 (3)	6.316	26378624	703.322 ng/ml
25) Aroclor 1242 (4)	6.476	21921669	733.499 ng/ml
26) Aroclor 1242 (5)	6.700	26862706	718.502 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_04.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:17 pm
 Operator :
 Sample : 0I28031-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:05 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.828	18438841	604.009 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.222	38507502	972.577 ng/ml
30)	Aroclor 1248 (2)	6.476	21921669	400.935 ng/ml
31)	Aroclor 1248 (3)	6.700	26862706	413.727 ng/ml
32)	Aroclor 1248 (4)	6.996	5070626	73.466 ng/ml
33)	Aroclor 1248 (5)	7.032	18009698	243.365 ng/ml
34)	Aroclor 1248 (6)	7.526	36067823	927.575 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.032	18009698	247.434 ng/ml
37)	Aroclor 1254 (2)	7.142	18404423	225.577 ng/ml
38)	Aroclor 1254 (3)	7.526	36067823	305.450 ng/ml
39)	Aroclor 1254 (4)	7.685	5390316	70.775 ng/ml
40)	Aroclor 1254 (5)	8.072	45260551	576.744 ng/ml
41)	Aroclor 1254 (6)	8.368	5093828	197.499 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.639	49194579	498.821 ng/ml
44)	Aroclor 1260 (2)	7.772	58694232	496.343 ng/ml
45)	Aroclor 1260 (3)	8.338	44817685	506.904 ng/ml
46)	Aroclor 1260 (4)	8.509	101941270	538.146 ng/ml
47)	Aroclor 1260 (5)	8.813	65765741	532.002 ng/ml
48)	Aroclor 1260 (6)	9.221	24955249	485.436 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.772	58694232	694.613 ng/ml
51)	Aroclor 1262 (2)	8.102	45635359	377.652 ng/ml
52)	Aroclor 1262 (3)	8.338	44817685	455.084 ng/ml
53)	Aroclor 1262 (4)	8.509	101941270	508.904 ng/ml
54)	Aroclor 1262 (5)	8.813	65765741	568.911 ng/ml
55)	Aroclor 1262 (6)	9.221	24955249	412.231 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.338	44817685	819.806 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_04.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:17 pm
 Operator :
 Sample : 0I28031-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:05 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.761	23485145	97.265 ng/ml
59)	Aroclor 1268 (3)	8.813	65765741	341.152 ng/ml
60)	Aroclor 1268 (4)	8.996	5064676	27.264 ng/ml
61)	Aroclor 1268 (5)	9.221	24955249	362.266 ng/ml
62)	Aroclor 1268 (6)	9.496	13318143	28.668 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

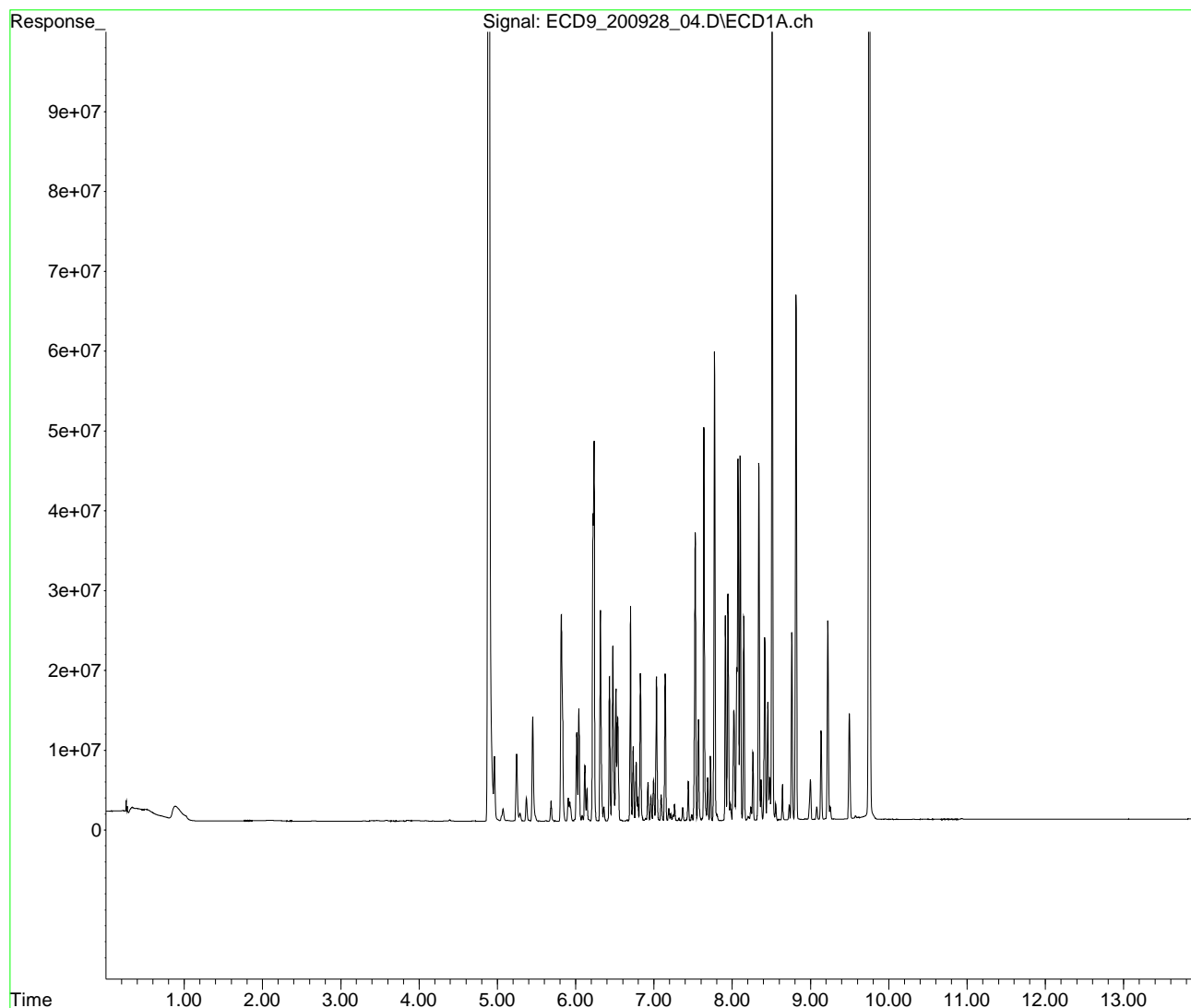
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_04.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 01:17 pm
Operator :
Sample : 0I28031-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:05 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_06.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:35 pm
 Operator :
 Sample : 0I28031-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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Clean

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	150286584	111.629 ng/ml
64) S DCBP (S)	9.746	104745636	110.245 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	11173	0.205 ng/ml
3) Aroclor 1016 (2)	6.242	21583	0.238 ng/ml
4) Aroclor 1016 (3)	6.314	11384	0.203 ng/ml
5) Aroclor 1016 (4)	6.473	4105	0.088 ng/ml
6) Aroclor 1016 (5)	6.695	7104	0.129 ng/ml
7) Aroclor 1016 (6)	6.828	15253	0.401 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	3122559	196.843 ng/ml
10) Aroclor 1221 (2)	5.373	52086	4.885 ng/ml
11) Aroclor 1221 (3)	5.436	52711	1.549 ng/ml
12) Aroclor 1221 (4)	5.928	7318	1.251 ng/ml
13) Aroclor 1221 (5)	6.242	21583	3.366 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.436	52711	1.854 ng/ml
16) Aroclor 1232 (2)	6.242	21583	0.640 ng/ml
17) Aroclor 1232 (3)	6.314	11384	0.545 ng/ml
18) Aroclor 1232 (4)	6.473	4105	0.292 ng/ml
19) Aroclor 1232 (5)	6.695	7104	0.386 ng/ml
20) Aroclor 1232 (6)	6.828	15253	1.050 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	11173	0.302 ng/ml
23) Aroclor 1242 (2)	6.242	21583	0.339 ng/ml
24) Aroclor 1242 (3)	6.314	11384	0.304 ng/ml
25) Aroclor 1242 (4)	6.473	4105	0.137 ng/ml
26) Aroclor 1242 (5)	6.695	7104	0.190 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_06.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:35 pm
 Operator :
 Sample : 0I28031-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.828	15253	0.500 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.217	22251	0.562 ng/ml
30)	Aroclor 1248 (2)	6.473	4105	0.075 ng/ml
31)	Aroclor 1248 (3)	6.695	7104	0.109 ng/ml
32)	Aroclor 1248 (4)	7.005	650722	9.428 ng/ml
33)	Aroclor 1248 (5)	7.005	650722	8.793 ng/ml
34)	Aroclor 1248 (6)	7.521	24590	0.632 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	650722	8.940 ng/ml
37)	Aroclor 1254 (2)	7.139	57906	0.710 ng/ml
38)	Aroclor 1254 (3)	7.521	24590	0.208 ng/ml
39)	Aroclor 1254 (4)	7.679	23046	0.303 ng/ml
40)	Aroclor 1254 (5)	8.082	102125	1.301 ng/ml
41)	Aroclor 1254 (6)	8.369	43387	1.682 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.639	19311	0.196 ng/ml
44)	Aroclor 1260 (2)	7.767	24891	0.210 ng/ml
45)	Aroclor 1260 (3)	8.333	49992	0.565 ng/ml
46)	Aroclor 1260 (4)	8.503	180190	0.951 ng/ml
47)	Aroclor 1260 (5)	8.811	70745	0.572 ng/ml
48)	Aroclor 1260 (6)	9.219	53631	1.043 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.767	24891	0.295 ng/ml
51)	Aroclor 1262 (2)	8.110	25170	0.208 ng/ml
52)	Aroclor 1262 (3)	8.333	49992	0.508 ng/ml
53)	Aroclor 1262 (4)	8.503	180190	0.900 ng/ml
54)	Aroclor 1262 (5)	8.811	70745	0.612 ng/ml
55)	Aroclor 1262 (6)	9.219	53631	0.886 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.333	49992	0.914 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_06.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:35 pm
 Operator :
 Sample : 0I28031-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.764	78586	0.325 ng/ml
59)	Aroclor 1268 (3)	8.811	70745	0.367 ng/ml
60)	Aroclor 1268 (4)	8.994	2021909	10.884 ng/ml
61)	Aroclor 1268 (5)	9.219	53631	0.779 ng/ml
62)	Aroclor 1268 (6)	9.494	4081744	8.786 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

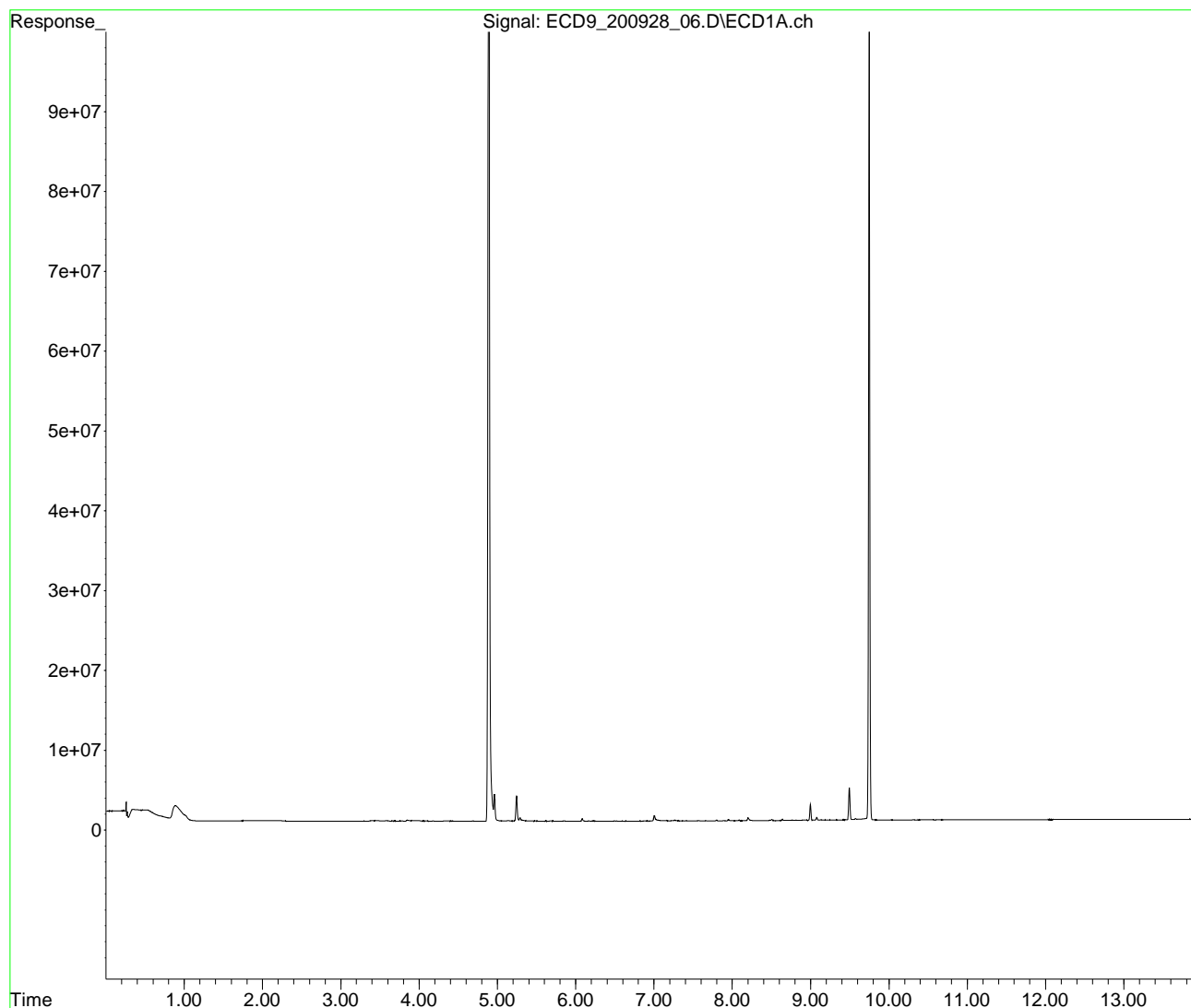
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_06.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 01:35 pm
Operator :
Sample : 0I28031-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:11 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_08.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:55 pm
 Operator :
 Sample : 0090782-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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Clean

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:16 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.893	591708363	439.505 ng/ml
64) S DCBP (S)	9.752	517138532	544.289 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.817	46402	0.853 ng/ml
3) Aroclor 1016 (2)	6.233	86103	0.948 ng/ml
4) Aroclor 1016 (3)	6.317	54963	0.979 ng/ml
5) Aroclor 1016 (4)	6.476	52859	1.129 ng/ml
6) Aroclor 1016 (5)	6.701	56222	1.021 ng/ml
7) Aroclor 1016 (6)	6.830	65583	1.725 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.249	11939825	752.676 ng/ml
10) Aroclor 1221 (2)	5.403	51184	4.800 ng/ml
11) Aroclor 1221 (3)	5.444	295069	8.673 ng/ml
12) Aroclor 1221 (4)	5.911	30577	5.226 ng/ml
13) Aroclor 1221 (5)	6.233	86103	13.430 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.444	295069	10.381 ng/ml
16) Aroclor 1232 (2)	6.233	86103	2.554 ng/ml
17) Aroclor 1232 (3)	6.317	54963	2.633 ng/ml
18) Aroclor 1232 (4)	6.476	52859	3.755 ng/ml
19) Aroclor 1232 (5)	6.701	56222	3.059 ng/ml
20) Aroclor 1232 (6)	6.830	65583	4.516 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.817	46402	1.254 ng/ml
23) Aroclor 1242 (2)	6.233	86103	1.351 ng/ml
24) Aroclor 1242 (3)	6.317	54963	1.465 ng/ml
25) Aroclor 1242 (4)	6.476	52859	1.769 ng/ml
26) Aroclor 1242 (5)	6.701	56222	1.504 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_08.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:55 pm
 Operator :
 Sample : 0090782-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:16 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.830	65583	2.148 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.221	81958	2.070 ng/ml
30)	Aroclor 1248 (2)	6.476	52859	0.967 ng/ml
31)	Aroclor 1248 (3)	6.701	56222	0.866 ng/ml
32)	Aroclor 1248 (4)	7.006	802857	11.632 ng/ml
33)	Aroclor 1248 (5)	7.006	802857	10.849 ng/ml
34)	Aroclor 1248 (6)	7.527	94089	2.420 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.006	802857	11.030 ng/ml
37)	Aroclor 1254 (2)	7.144	101578	1.245 ng/ml
38)	Aroclor 1254 (3)	7.527	94089	0.797 ng/ml
39)	Aroclor 1254 (4)	7.684	23525	0.309 ng/ml
40)	Aroclor 1254 (5)	8.084	223339	2.846 ng/ml
41)	Aroclor 1254 (6)	8.367	22022	0.854 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.639	104080	1.055 ng/ml
44)	Aroclor 1260 (2)	7.773	119339	1.009 ng/ml
45)	Aroclor 1260 (3)	8.337	80987	0.916 ng/ml
46)	Aroclor 1260 (4)	8.506	453843	2.396 ng/ml
47)	Aroclor 1260 (5)	8.813	136169	1.102 ng/ml
48)	Aroclor 1260 (6)	9.221	74232	1.444 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.773	119339	1.412 ng/ml
51)	Aroclor 1262 (2)	8.102	85777	0.710 ng/ml
52)	Aroclor 1262 (3)	8.337	80987	0.822 ng/ml
53)	Aroclor 1262 (4)	8.506	453843	2.266 ng/ml
54)	Aroclor 1262 (5)	8.813	136169	1.178 ng/ml
55)	Aroclor 1262 (6)	9.221	74232	1.226 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.337	80987	1.481 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_08.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 01:55 pm
 Operator :
 Sample : 0090782-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:16 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.762	117162	0.485 ng/ml
59)	Aroclor 1268 (3)	8.813	136169	0.706 ng/ml
60)	Aroclor 1268 (4)	8.997	7941817	42.751 ng/ml
61)	Aroclor 1268 (5)	9.221	74232	1.078 ng/ml
62)	Aroclor 1268 (6)	9.497	17951853	38.642 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

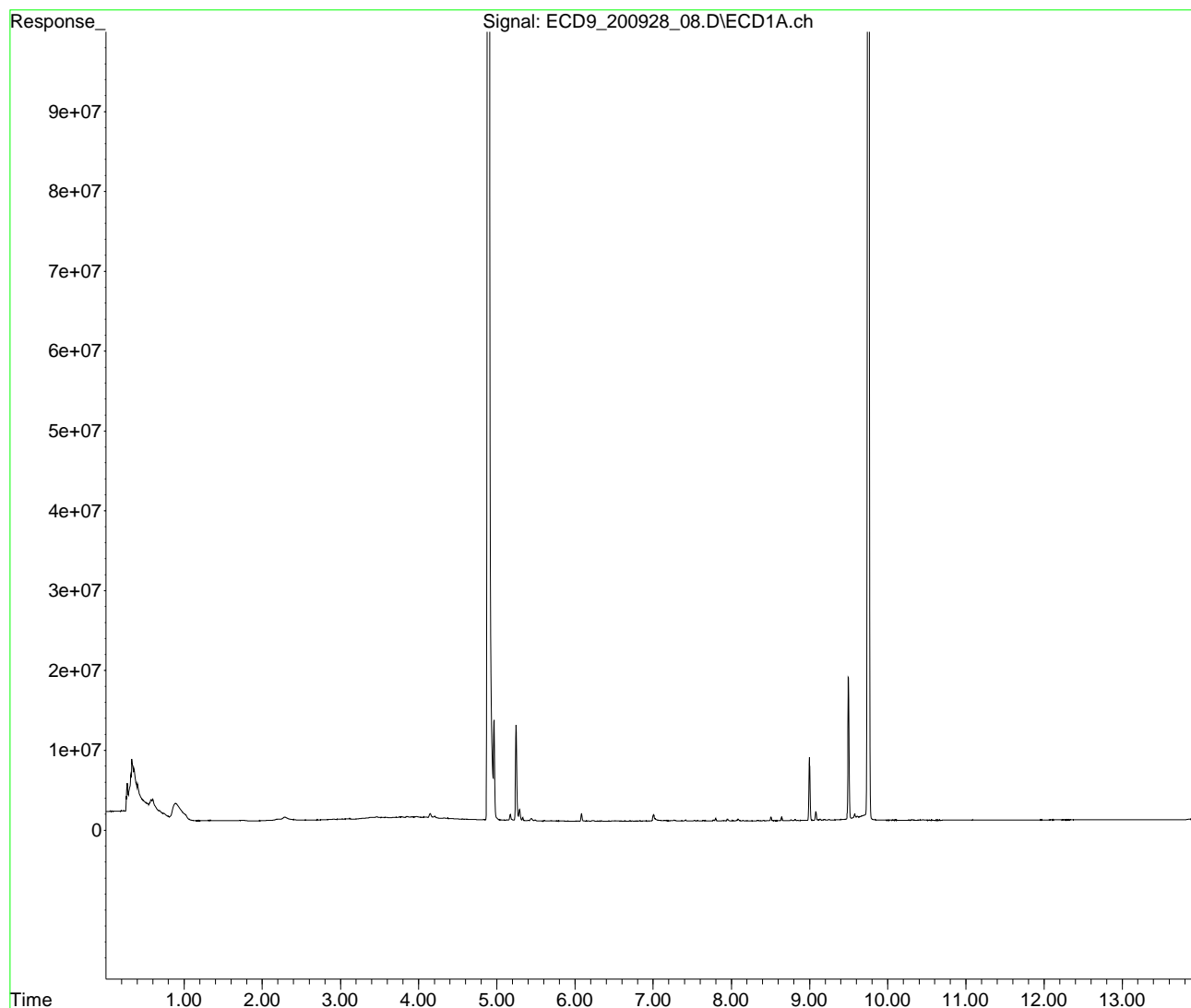
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_08.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 01:55 pm
Operator :
Sample : 0090782-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:16 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_10.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 02:13 pm
 Operator :
 Sample : 0090782-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/29/2020

N.R. Double
 Spiked, RR-2

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:21 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	582311967	432.525 ng/ml
64) S DCBP (S)	9.747	529932804	557.755 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	82837726	1522.495 ng/ml
3) Aroclor 1016 (2)	6.232	154350197	1700.264 ng/ml
4) Aroclor 1016 (3)	6.314	86463665	1540.825 ng/ml
5) Aroclor 1016 (4)	6.474	77249188	1649.706 ng/ml
6) Aroclor 1016 (5)	6.699	88615015	1609.790 ng/ml
7) Aroclor 1016 (6)	6.826	58987914	1551.270 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.248	17706550	1116.205 ng/ml
10) Aroclor 1221 (2)	5.370	8737964	819.504 ng/ml
11) Aroclor 1221 (3)	5.452	41966721	1233.487 ng/ml
12) Aroclor 1221 (4)	5.922	6366369	1088.063 ng/ml
13) Aroclor 1221 (5)	6.232	154350197	24074.507 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	41966721	1476.487 ng/ml
16) Aroclor 1232 (2)	6.232	154350197	4577.791 ng/ml
17) Aroclor 1232 (3)	6.314	86463665	4141.693 ng/ml
18) Aroclor 1232 (4)	6.474	77249188	5487.950 ng/ml
19) Aroclor 1232 (5)	6.699	88615015	4821.215 ng/ml
20) Aroclor 1232 (6)	6.826	58987914	4062.081 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	82837726	2239.310 ng/ml
23) Aroclor 1242 (2)	6.232	154350197	2421.715 ng/ml
24) Aroclor 1242 (3)	6.314	86463665	2305.343 ng/ml
25) Aroclor 1242 (4)	6.474	77249188	2584.758 ng/ml
26) Aroclor 1242 (5)	6.699	88615015	2370.202 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_10.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 02:13 pm
 Operator :
 Sample : 0090782-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:21 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.826	58987914	1932.292	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.220	135107325	3412.380	ng/ml
30)	Aroclor 1248 (2)	6.474	77249188	1412.846	ng/ml
31)	Aroclor 1248 (3)	6.699	88615015	1364.809	ng/ml
32)	Aroclor 1248 (4)	6.994	16738415	242.515	ng/ml
33)	Aroclor 1248 (5)	7.030	62699162	847.255	ng/ml
34)	Aroclor 1248 (6)	7.524	128868880	3314.188	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.030	62699162	861.421	ng/ml
37)	Aroclor 1254 (2)	7.140	65595014	803.977	ng/ml
38)	Aroclor 1254 (3)	7.524	128868880	1091.362	ng/ml
39)	Aroclor 1254 (4)	7.682	17907445	235.126	ng/ml
40)	Aroclor 1254 (5)	8.070	167711226	2137.104	ng/ml
41)	Aroclor 1254 (6)	8.366	17028373	660.229	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.637	181314642	1838.487	ng/ml
44)	Aroclor 1260 (2)	7.771	233578801	1975.238	ng/ml
45)	Aroclor 1260 (3)	8.336	173805877	1965.807	ng/ml
46)	Aroclor 1260 (4)	8.507	417613848	2204.577	ng/ml
47)	Aroclor 1260 (5)	8.811	255288172	2065.115	ng/ml
48)	Aroclor 1260 (6)	9.218	106243789	2066.680	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.771	233578801	2764.272	ng/ml
51)	Aroclor 1262 (2)	8.100	173909319	1439.174	ng/ml
52)	Aroclor 1262 (3)	8.336	173805877	1764.846	ng/ml
53)	Aroclor 1262 (4)	8.507	417613848	2084.784	ng/ml
54)	Aroclor 1262 (5)	8.811	255288172	2208.388	ng/ml
55)	Aroclor 1262 (6)	9.218	106243789	1755.022	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.336	173805877	3179.261	ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_10.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 02:13 pm
 Operator :
 Sample : 0090782-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:21 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	97196164	402.545 ng/ml
59)	Aroclor 1268 (3)	8.811	255288172	1324.277 ng/ml
60)	Aroclor 1268 (4)	8.992	12580988	67.724 ng/ml
61)	Aroclor 1268 (5)	9.218	106243789	1542.301 ng/ml
62)	Aroclor 1268 (6)	9.493	40906542	88.053 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

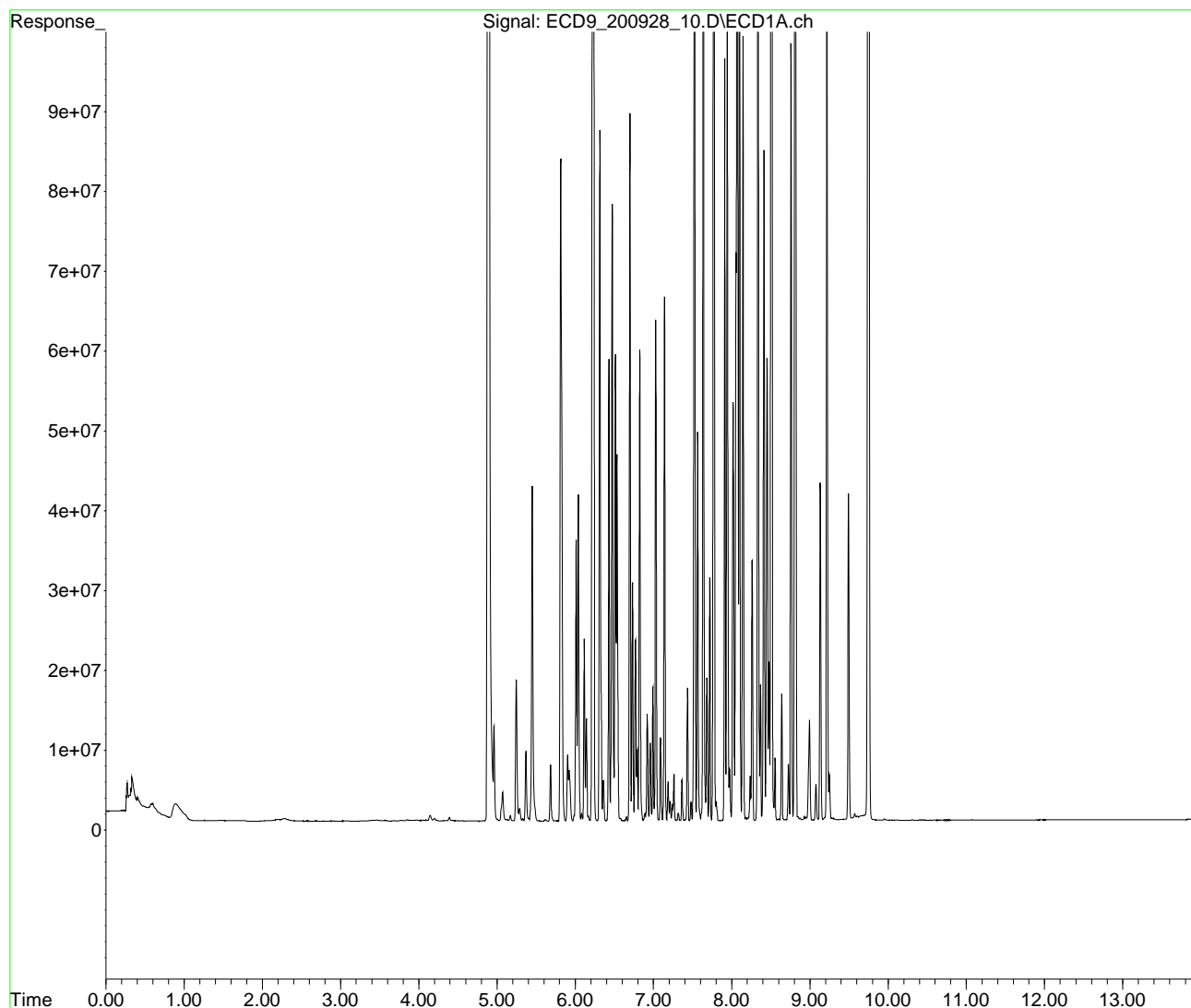
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_10.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 02:13 pm
Operator :
Sample : 0090782-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:21 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_12.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 02:31 pm
 Operator :
 Sample : A0I0556-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

KAK 9/29/2020

1260

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:26 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.897	223857961	166.276 ng/ml	
64) S DCBP (S)	9.749	189195043	199.128 ng/ml	S-03
Target Compounds				
2) Aroclor 1016 (1)	5.810	119590	2.198 ng/ml	
3) Aroclor 1016 (2)	6.223	1656208	18.244 ng/ml	
4) Aroclor 1016 (3)	6.320	909603	16.210 ng/ml	MDL=MRL
5) Aroclor 1016 (4)	6.481	1547440	33.047 ng/ml	
6) Aroclor 1016 (5)	6.709	2524866	45.867 ng/ml	
7) Aroclor 1016 (6)	6.823	2354754	61.926 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.252	3838485	241.975 ng/ml	
10) Aroclor 1221 (2)	5.359	53152	4.985 ng/ml	
11) Aroclor 1221 (3)	5.443	496308	14.588 ng/ml	
12) Aroclor 1221 (4)	5.919	398858	68.168 ng/ml	
13) Aroclor 1221 (5)	6.223	1656208	258.324 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.443	496308	17.461 ng/ml	
16) Aroclor 1232 (2)	6.223	1656208	49.121 ng/ml	
17) Aroclor 1232 (3)	6.320	909603	43.571 ng/ml	R-02
18) Aroclor 1232 (4)	6.481	1547440	109.933 ng/ml	
19) Aroclor 1232 (5)	6.709	2524866	137.369 ng/ml	
20) Aroclor 1232 (6)	6.823	2354754	162.155 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.810	119590	3.233 ng/ml	
23) Aroclor 1242 (2)	6.223	1656208	25.985 ng/ml	
24) Aroclor 1242 (3)	6.320	909603	24.252 ng/ml	R-02
25) Aroclor 1242 (4)	6.481	1547440	51.777 ng/ml	
26) Aroclor 1242 (5)	6.709	2524866	67.533 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_12.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 02:31 pm
 Operator :
 Sample : A0I0556-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:26 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.823	2354754	77.136 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.223	1656208	41.831 ng/ml	
30) Aroclor 1248 (2)	6.481	1547440	28.302 ng/ml	
31) Aroclor 1248 (3)	6.709	2524866	38.887 ng/ml	R-02
32) Aroclor 1248 (4)	7.002	3099776	44.911 ng/ml	
33) Aroclor 1248 (5)	7.033	3474864	46.956 ng/ml	
34) Aroclor 1248 (6)	7.524	3004958	77.280 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.033	3474864	47.741 ng/ml	
37) Aroclor 1254 (2)	7.149	3407200	41.761 ng/ml	
38) Aroclor 1254 (3)	7.524	3004958	25.448 ng/ml	
39) Aroclor 1254 (4)	7.694	3888633	51.058 ng/ml	R-02
40) Aroclor 1254 (5)	8.072	3281296	41.813 ng/ml	
41) Aroclor 1254 (6)	8.368	941038	36.486 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.641	3496278	35.451 ng/ml	
44) Aroclor 1260 (2)	7.774	4473926	37.833 ng/ml	
45) Aroclor 1260 (3)	8.338	2439109	27.587 ng/ml	32.856
46) Aroclor 1260 (4)	8.497	10670313	56.328 ng/ml	
47) Aroclor 1260 (5)	8.813	3733171	30.199 ng/ml	R-02 MKZ
48) Aroclor 1260 (6)	9.221	1707170	33.208 ng/ml	9/30/2020
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.774	4473926	52.946 ng/ml	
51) Aroclor 1262 (2)	8.103	2843877	23.534 ng/ml	
52) Aroclor 1262 (3)	8.338	2439109	24.767 ng/ml	
53) Aroclor 1262 (4)	8.497	10670313	53.268 ng/ml	
54) Aroclor 1262 (5)	8.813	3733171	32.294 ng/ml	
55) Aroclor 1262 (6)	9.221	1707170	28.200 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.338	2439109	44.616 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_12.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 02:31 pm
 Operator :
 Sample : A0I0556-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:26 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.762	2818947	11.675 ng/ml
59)	Aroclor 1268 (3)	8.813	3733171	19.365 ng/ml
60)	Aroclor 1268 (4)	8.996	5207610	28.033 ng/ml
61)	Aroclor 1268 (5)	9.221	1707170	24.782 ng/ml
62)	Aroclor 1268 (6)	9.497	11420565	24.583 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

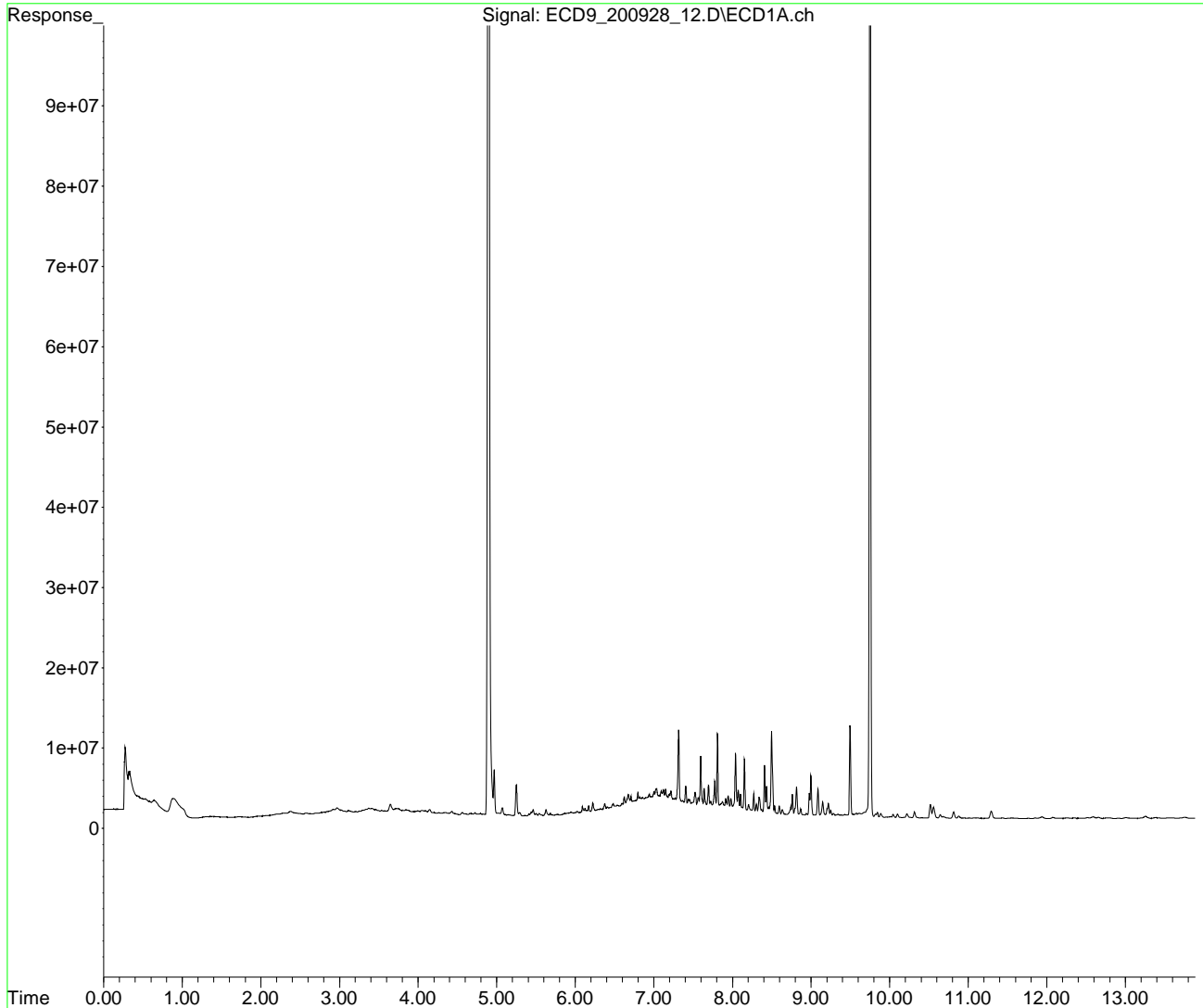
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_12.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 02:31 pm
Operator :
Sample : A0I0556-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:26 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_16.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : 0090782-DUP1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

KAK 9/29/2020

1260

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:31 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.896	237954872	176.746 ng/ml	
64) S DCBP (S)	9.751	199984452	210.484 ng/ml	S-03
Target Compounds				
2) Aroclor 1016 (1)	5.783	107679	1.979 ng/ml	
3) Aroclor 1016 (2)	6.235	267507	2.947 ng/ml	
4) Aroclor 1016 (3)	6.319	180746	3.221 ng/ml	
5) Aroclor 1016 (4)	6.478	578844	12.362 ng/ml	
6) Aroclor 1016 (5)	6.709	1089461	19.791 ng/ml	
7) Aroclor 1016 (6)	6.823	428466	11.268 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.253	4106228	258.853 ng/ml	
10) Aroclor 1221 (2)	5.380	59114	5.544 ng/ml	
11) Aroclor 1221 (3)	5.444	592359	17.411 ng/ml	
12) Aroclor 1221 (4)	5.894	166460	28.449 ng/ml	
13) Aroclor 1221 (5)	6.235	267507	41.724 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.444	592359	20.841 ng/ml	
16) Aroclor 1232 (2)	6.235	267507	7.934 ng/ml	
17) Aroclor 1232 (3)	6.319	180746	8.658 ng/ml	
18) Aroclor 1232 (4)	6.478	578844	41.122 ng/ml	
19) Aroclor 1232 (5)	6.709	1089461	59.274 ng/ml	
20) Aroclor 1232 (6)	6.823	428466	29.505 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.783	107679	2.911 ng/ml	
23) Aroclor 1242 (2)	6.235	267507	4.197 ng/ml	
24) Aroclor 1242 (3)	6.319	180746	4.819 ng/ml	
25) Aroclor 1242 (4)	6.478	578844	19.368 ng/ml	
26) Aroclor 1242 (5)	6.709	1089461	29.140 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_16.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : 0090782-DUP1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:31 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.823	428466	14.035 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.235	267507	6.756 ng/ml	
30) Aroclor 1248 (2)	6.478	578844	10.587 ng/ml	
31) Aroclor 1248 (3)	6.709	1089461	16.779 ng/ml	
32) Aroclor 1248 (4)	7.003	727632	10.542 ng/ml	MDL=MRL
33) Aroclor 1248 (5)	7.034	1476757	19.955 ng/ml	
34) Aroclor 1248 (6)	7.525	1840853	47.342 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.034	1476757	20.289 ng/ml	
37) Aroclor 1254 (2)	7.148	1535497	18.820 ng/ml	
38) Aroclor 1254 (3)	7.525	1840853	15.590 ng/ml	MDL=MRL
39) Aroclor 1254 (4)	7.694	2778300	36.479 ng/ml	
40) Aroclor 1254 (5)	8.073	2589436	32.997 ng/ml	
41) Aroclor 1254 (6)	8.369	446959	17.330 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.641	2404442	24.380 ng/ml	
44) Aroclor 1260 (2)	7.774	3467443	29.322 ng/ml	
45) Aroclor 1260 (3)	8.340	2134745	24.145 ng/ml	27.185
46) Aroclor 1260 (4)	8.497	11051755	58.342 ng/ml	
47) Aroclor 1260 (5)	8.813	3572546	28.900 ng/ml	R-02 MKZ
48) Aroclor 1260 (6)	9.221	1499876	29.176 ng/ml	9/30/2020
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.774	3467443	41.035 ng/ml	
51) Aroclor 1262 (2)	8.103	2199791	18.204 ng/ml	
52) Aroclor 1262 (3)	8.340	2134745	21.676 ng/ml	
53) Aroclor 1262 (4)	8.497	11051755	55.172 ng/ml	
54) Aroclor 1262 (5)	8.813	3572546	30.905 ng/ml	
55) Aroclor 1262 (6)	9.221	1499876	24.776 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.340	2134745	39.049 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_16.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : 0090782-DUP1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:31 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.762	2750667	11.392 ng/ml
59)	Aroclor 1268 (3)	8.813	3572546	18.532 ng/ml
60)	Aroclor 1268 (4)	8.997	5043309	27.149 ng/ml
61)	Aroclor 1268 (5)	9.221	1499876	21.773 ng/ml
62)	Aroclor 1268 (6)	9.498	11334513	24.398 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

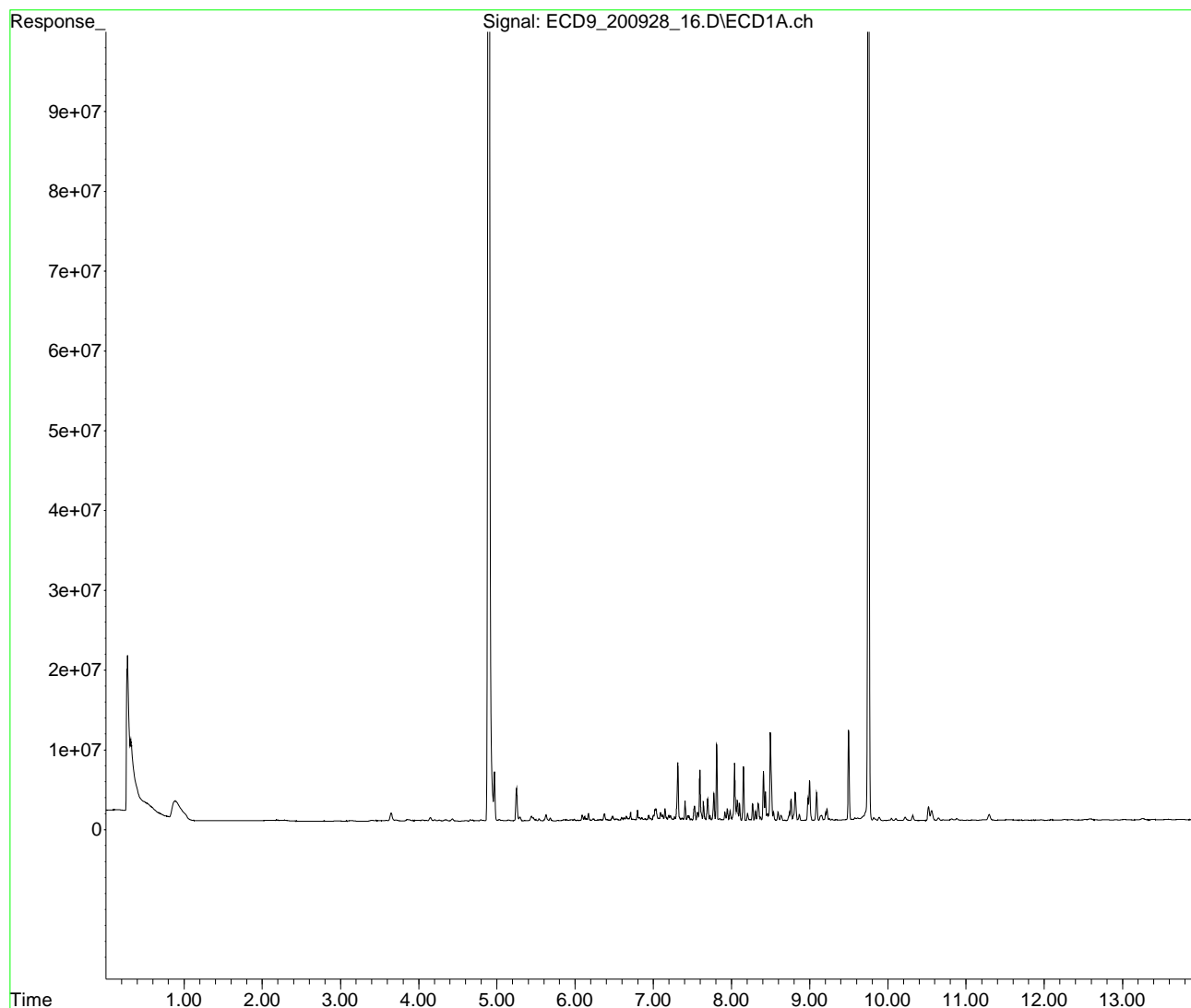
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_16.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 03:07 pm
Operator :
Sample : 0090782-DUP1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:31 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_20.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 03:42 pm
 Operator :
 Sample : A0I0556-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:36 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.892	338057457	251.100 ng/ml
64) S DCBP (S)	9.752	252291427	265.537 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.817	16598	0.305 ng/ml
3) Aroclor 1016 (2)	6.231	215840	2.378 ng/ml
4) Aroclor 1016 (3)	6.316	78793	1.404 ng/ml
5) Aroclor 1016 (4)	6.474	181424	3.874 ng/ml
6) Aroclor 1016 (5)	6.694	151581	2.754 ng/ml
7) Aroclor 1016 (6)	6.830	77337	2.034 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.249	5731168	361.288 ng/ml
10) Aroclor 1221 (2)	5.378	28878	2.708 ng/ml
11) Aroclor 1221 (3)	5.445	306118	8.997 ng/ml
12) Aroclor 1221 (4)	5.917	25691	4.391 ng/ml
13) Aroclor 1221 (5)	6.231	215840	33.665 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.445	306118	10.770 ng/ml
16) Aroclor 1232 (2)	6.231	215840	6.401 ng/ml
17) Aroclor 1232 (3)	6.316	78793	3.774 ng/ml
18) Aroclor 1232 (4)	6.474	181424	12.889 ng/ml
19) Aroclor 1232 (5)	6.694	151581	8.247 ng/ml
20) Aroclor 1232 (6)	6.830	77337	5.326 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.817	16598	0.449 ng/ml
23) Aroclor 1242 (2)	6.231	215840	3.386 ng/ml
24) Aroclor 1242 (3)	6.316	78793	2.101 ng/ml
25) Aroclor 1242 (4)	6.474	181424	6.070 ng/ml
26) Aroclor 1242 (5)	6.694	151581	4.054 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_20.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 03:42 pm
 Operator :
 Sample : A0I0556-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:36 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.830	77337	2.533 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.231	215840	5.451 ng/ml
30)	Aroclor 1248 (2)	6.474	181424	3.318 ng/ml
31)	Aroclor 1248 (3)	6.694	151581	2.335 ng/ml
32)	Aroclor 1248 (4)	7.000	294031	4.260 ng/ml
33)	Aroclor 1248 (5)	7.024	1352403	18.275 ng/ml
34)	Aroclor 1248 (6)	7.522	342409	8.806 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.024	1352403	18.581 ng/ml
37)	Aroclor 1254 (2)	7.148	313208	3.839 ng/ml
38)	Aroclor 1254 (3)	7.522	342409	2.900 ng/ml
39)	Aroclor 1254 (4)	7.694	1838521	24.140 ng/ml
40)	Aroclor 1254 (5)	8.072	341200	4.348 ng/ml
41)	Aroclor 1254 (6)	8.368	96772	3.752 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.643	422355	4.283 ng/ml
44)	Aroclor 1260 (2)	7.774	533722	4.513 ng/ml
45)	Aroclor 1260 (3)	8.334	660268	7.468 ng/ml
46)	Aroclor 1260 (4)	8.497	3814052	20.134 ng/ml
47)	Aroclor 1260 (5)	8.811	1248575	10.100 ng/ml
48)	Aroclor 1260 (6)	9.222	527453	10.260 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.774	533722	6.316 ng/ml
51)	Aroclor 1262 (2)	8.102	560738	4.640 ng/ml
52)	Aroclor 1262 (3)	8.334	660268	6.704 ng/ml
53)	Aroclor 1262 (4)	8.497	3814052	19.040 ng/ml
54)	Aroclor 1262 (5)	8.811	1248575	10.801 ng/ml
55)	Aroclor 1262 (6)	9.222	527453	8.713 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.334	660268	12.078 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_20.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 03:42 pm
 Operator :
 Sample : A0I0556-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:36 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.763	1710165	7.083 ng/ml
59)	Aroclor 1268 (3)	8.811	1248575	6.477 ng/ml
60)	Aroclor 1268 (4)	8.997	5519784	29.713 ng/ml
61)	Aroclor 1268 (5)	9.222	527453	7.657 ng/ml
62)	Aroclor 1268 (6)	9.498	12189761	26.239 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

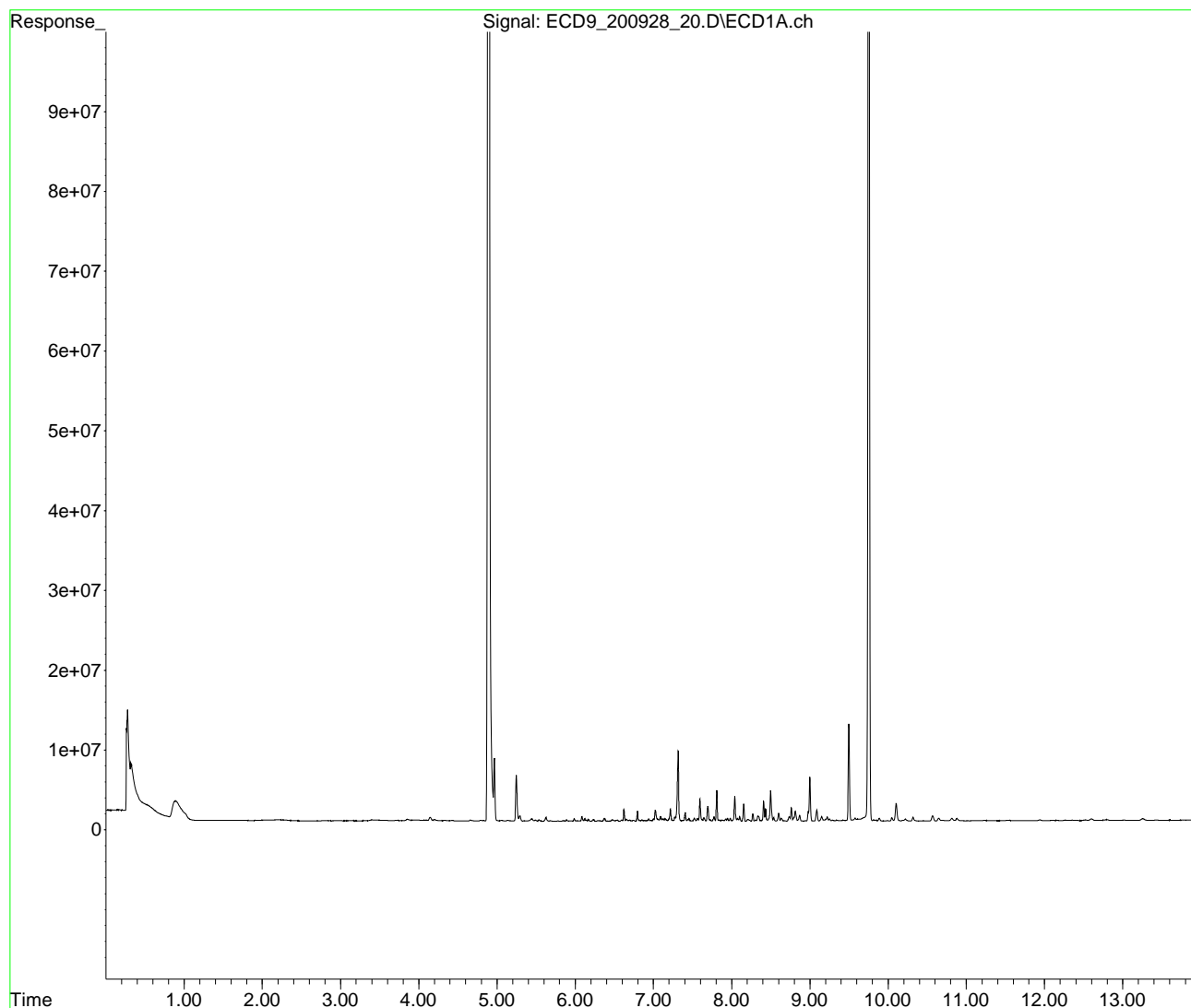
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_20.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 03:42 pm
Operator :
Sample : A0I0556-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:36 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_24.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 04:18 pm
 Operator :
 Sample : A0I0556-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

KAK 9/29/2020

1260 P-12
 1268 P-12

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:41 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.894	544949708	404.774 ng/ml	
64) S DCBP (S)	9.753	533585073	561.599 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	5.821	853544	15.688 ng/ml	
3) Aroclor 1016 (2)	6.237	3106588	34.221 ng/ml	
4) Aroclor 1016 (3)	6.320	2035118	36.267 ng/ml	R-02
5) Aroclor 1016 (4)	6.481	5707422	121.886 ng/ml	
6) Aroclor 1016 (5)	6.710	12591462	228.738 ng/ml	
7) Aroclor 1016 (6)	6.830	4466895	117.471 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.251	9738379	613.899 ng/ml	
10) Aroclor 1221 (2)	5.366	989091	92.763 ng/ml	
11) Aroclor 1221 (3)	5.441	15339679	450.864 ng/ml	R-02
12) Aroclor 1221 (4)	5.939	2089524	357.116 ng/ml	
13) Aroclor 1221 (5)	6.237	3106588	484.545 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.441	15339679	539.686 ng/ml	
16) Aroclor 1232 (2)	6.237	3106588	92.137 ng/ml	
17) Aroclor 1232 (3)	6.320	2035118	97.484 ng/ml	R-02
18) Aroclor 1232 (4)	6.481	5707422	405.468 ng/ml	
19) Aroclor 1232 (5)	6.710	12591462	685.055 ng/ml	
20) Aroclor 1232 (6)	6.830	4466895	307.603 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.821	853544	23.073 ng/ml	
23) Aroclor 1242 (2)	6.237	3106588	48.742 ng/ml	R-02
24) Aroclor 1242 (3)	6.320	2035118	54.261 ng/ml	
25) Aroclor 1242 (4)	6.481	5707422	190.970 ng/ml	
26) Aroclor 1242 (5)	6.710	12591462	336.786 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_24.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 04:18 pm
 Operator :
 Sample : A0I0556-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:41 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.830	4466895	146.324 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.226	2931030	74.028 ng/ml
30) Aroclor 1248 (2)	6.481	5707422	104.386 ng/ml
31) Aroclor 1248 (3)	6.710	12591462	193.928 ng/ml
32) Aroclor 1248 (4)	6.984	13487993	195.421 ng/ml
33) Aroclor 1248 (5)	7.039	15912851	215.031 ng/ml
34) Aroclor 1248 (6)	7.525	23108565	594.295 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.039	15912851	218.626 ng/ml
37) Aroclor 1254 (2)	7.126	14553730	178.380 ng/ml
38) Aroclor 1254 (3)	7.525	23108565	195.701 ng/ml
39) Aroclor 1254 (4)	7.690	13447990	176.573 ng/ml
40) Aroclor 1254 (5)	8.075	659317202	8401.519 ng/ml
41) Aroclor 1254 (6)	8.370	4374114	169.594 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.642	22676274	229.932 ng/ml
44) Aroclor 1260 (2)	7.780	57956788	490.106 ng/ml
45) Aroclor 1260 (3)	8.339	13589285	153.700 ng/ml
46) Aroclor 1260 (4)	8.512	34974598	184.630 ng/ml
47) Aroclor 1260 (5)	8.816	22749945	184.032 ng/ml
48) Aroclor 1260 (6)	9.224	9450555	183.834 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.780	57956788	685.886 ng/ml
51) Aroclor 1262 (2)	8.104	15549546	128.679 ng/ml
52) Aroclor 1262 (3)	8.339	13589285	137.987 ng/ml
53) Aroclor 1262 (4)	8.512	34974598	174.598 ng/ml
54) Aroclor 1262 (5)	8.816	22749945	196.800 ng/ml
55) Aroclor 1262 (6)	9.224	9450555	156.112 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.339	13589285	248.576 ng/ml

R-02

397.874 MI

R-02

176.549

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_24.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 04:18 pm
 Operator :
 Sample : A0I0556-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:41 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.764	12854207	53.237 ng/ml
59)	Aroclor 1268 (3)	8.816	22749945	118.013 ng/ml
60)	Aroclor 1268 (4)	8.998	13772642	74.139 ng/ml
61)	Aroclor 1268 (5)	9.224	9450555	137.190 ng/ml
62)	Aroclor 1268 (6)	9.499	71363824	153.614 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

MKZ

(f)=RT Delta > 1/2 Window

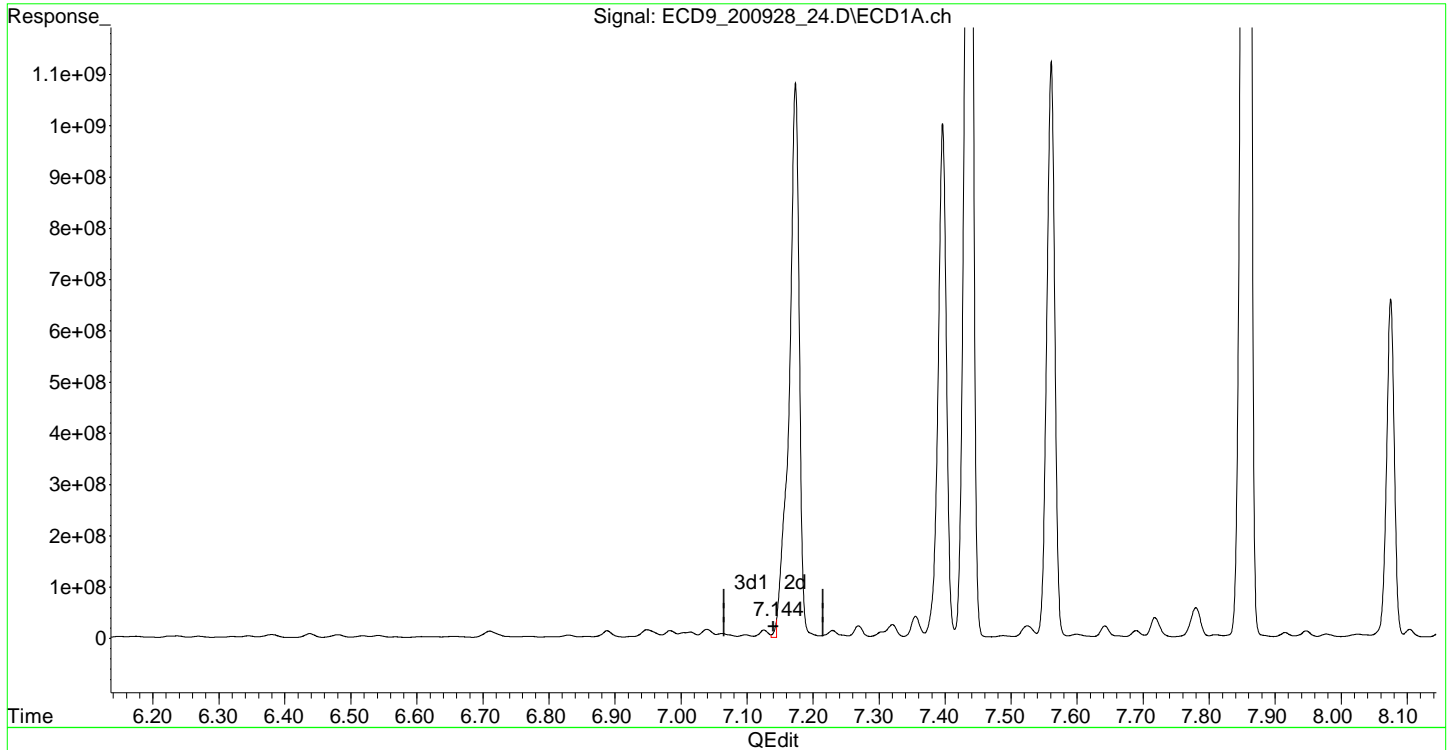
(m)=manual int. 9/30/2020

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_24.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 04:18 pm
Operator :
Sample : A0I0556-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:41 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(37) Aroclor 1254 (2)
7.144min 397.874 ng/ml m
response 32461760

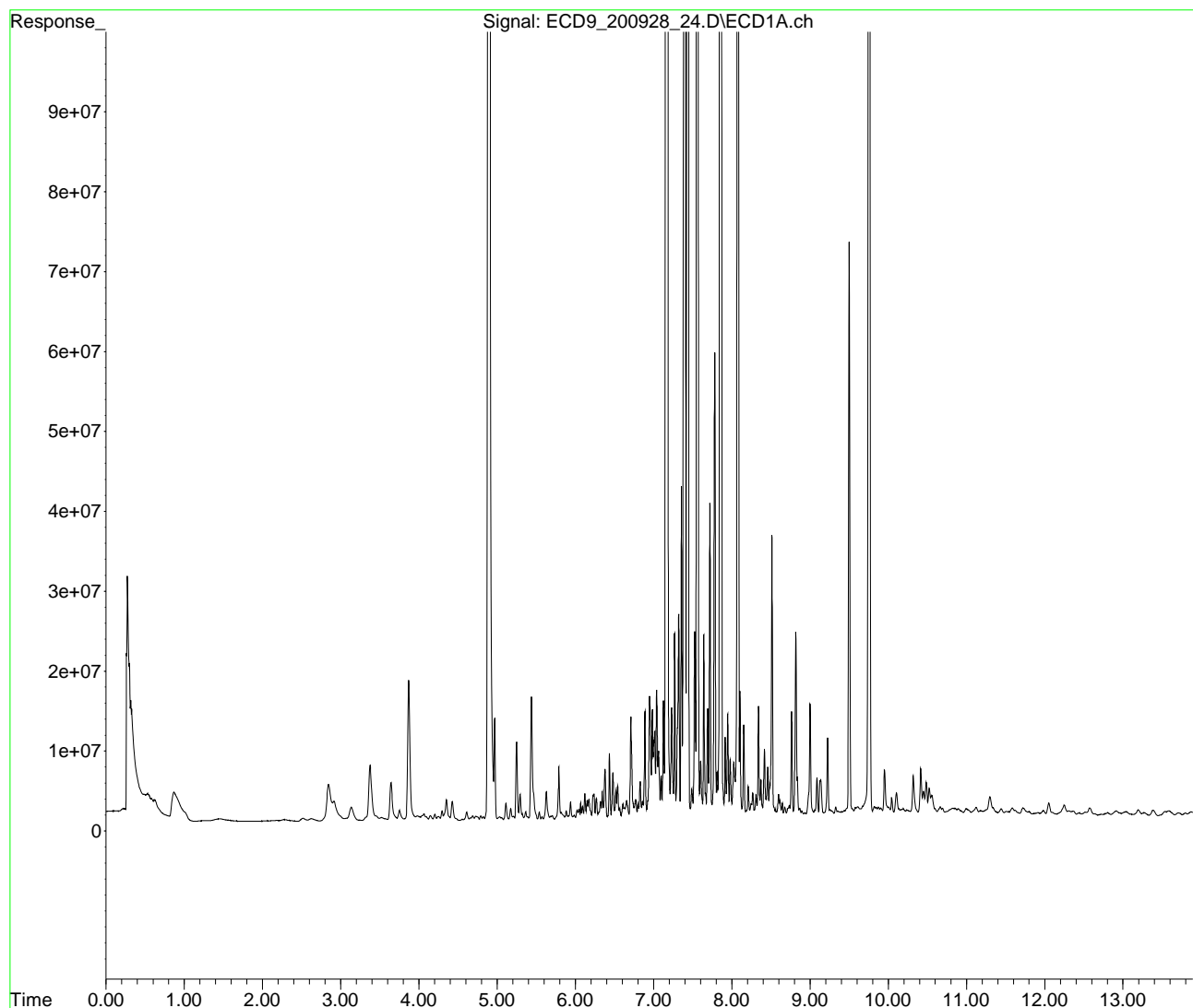
KAK 9/29/2020

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_24.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 04:18 pm
Operator :
Sample : A0I0556-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:41 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_28.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 04:54 pm
 Operator :
 Sample : A0I0556-29
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

KAK 9/29/2020

1254 P-12
 1260 (J)

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:46 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	525152458	390.069 ng/ml
64) S DCBP (S)	9.747	353584464	372.148 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.830	454639	8.356 ng/ml
3) Aroclor 1016 (2)	6.233	573039	6.312 ng/ml
4) Aroclor 1016 (3)	6.315	568432	10.130 ng/ml
5) Aroclor 1016 (4)	6.475	1047936	22.379 ng/ml
6) Aroclor 1016 (5)	6.700	811345	14.739 ng/ml
7) Aroclor 1016 (6)	6.826	513183	13.496 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	9708499	612.015 ng/ml
10) Aroclor 1221 (2)	5.363	69126	6.483 ng/ml
11) Aroclor 1221 (3)	5.436	1025491	30.141 ng/ml
12) Aroclor 1221 (4)	5.929	137887	23.566 ng/ml
13) Aroclor 1221 (5)	6.233	573039	89.379 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.436	1025491	36.079 ng/ml
16) Aroclor 1232 (2)	6.233	573039	16.995 ng/ml
17) Aroclor 1232 (3)	6.315	568432	27.228 ng/ml
18) Aroclor 1232 (4)	6.475	1047936	74.448 ng/ml
19) Aroclor 1232 (5)	6.700	811345	44.142 ng/ml
20) Aroclor 1232 (6)	6.826	513183	35.339 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.830	454639	12.290 ng/ml
23) Aroclor 1242 (2)	6.233	573039	8.991 ng/ml
24) Aroclor 1242 (3)	6.315	568432	15.156 ng/ml
25) Aroclor 1242 (4)	6.475	1047936	35.064 ng/ml
26) Aroclor 1242 (5)	6.700	811345	21.701 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_28.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 04:54 pm
 Operator :
 Sample : A0I0556-29
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:46 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.826	513183	16.811 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.233	573039	14.473 ng/ml	
30) Aroclor 1248 (2)	6.475	1047936	19.166 ng/ml	
31) Aroclor 1248 (3)	6.700	811345	12.496 ng/ml	
32) Aroclor 1248 (4)	7.006	1664247	24.112 ng/ml	
33) Aroclor 1248 (5)	7.032	2936024	39.675 ng/ml	
34) Aroclor 1248 (6)	7.520	3074973	79.081 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.032	2936024	40.338 ng/ml	
37) Aroclor 1254 (2)	7.143	2750606	33.713 ng/ml	
38) Aroclor 1254 (3)	7.520	3074973	26.041 ng/ml	30.098
39) Aroclor 1254 (4)	7.684	1584917	20.810 ng/ml	
40) Aroclor 1254 (5)	8.070	2790002	35.552 ng/ml	
41) Aroclor 1254 (6)	8.366	622371	24.131 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.638	3380702	34.280 ng/ml	
44) Aroclor 1260 (2)	7.772	4060796	34.340 ng/ml	
45) Aroclor 1260 (3)	8.336	1540181	17.420 ng/ml	
46) Aroclor 1260 (4)	8.508	3433297	18.124 ng/ml	19.159
47) Aroclor 1260 (5)	8.808	5028901	40.681 ng/ml	
48) Aroclor 1260 (6)	9.219	1127479	21.932 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.772	4060796	48.057 ng/ml	
51) Aroclor 1262 (2)	8.100	1919291	15.883 ng/ml	
52) Aroclor 1262 (3)	8.336	1540181	15.639 ng/ml	
53) Aroclor 1262 (4)	8.508	3433297	17.139 ng/ml	
54) Aroclor 1262 (5)	8.808	5028901	43.503 ng/ml	
55) Aroclor 1262 (6)	9.219	1127479	18.625 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.336	1540181	28.173 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_28.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 04:54 pm
 Operator :
 Sample : A0I0556-29
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:46 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.760	1286834	5.330 ng/ml
59)	Aroclor 1268 (3)	8.808	5028901	26.087 ng/ml
60)	Aroclor 1268 (4)	8.995	5195776	27.969 ng/ml
61)	Aroclor 1268 (5)	9.219	1127479	16.367 ng/ml
62)	Aroclor 1268 (6)	9.494	12371069	26.629 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

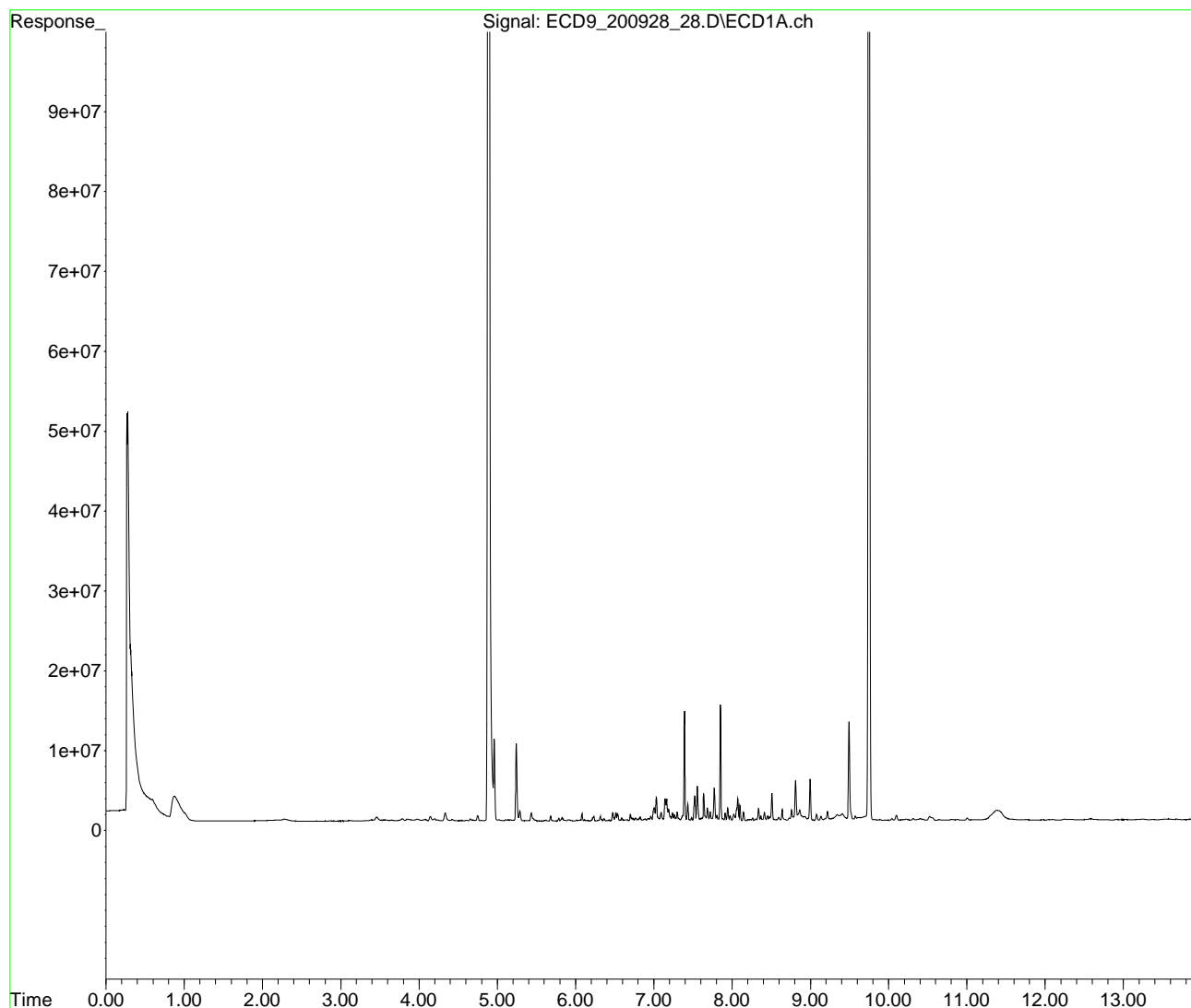
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_28.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 04:54 pm
Operator :
Sample : A0I0556-29
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:46 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_32.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 05:30 pm
 Operator :
 Sample : 0I28031-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	382839078	284.362 ng/ml
64) S DCBP (S)	9.746	253928565	267.260 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	28703583	527.550 ng/ml
3) Aroclor 1016 (2)	6.232	52357083	576.746 ng/ml
4) Aroclor 1016 (3)	6.314	30810886	549.065 ng/ml
5) Aroclor 1016 (4)	6.473	24857830	530.855 ng/ml
6) Aroclor 1016 (5)	6.698	29383049	533.776 ng/ml
7) Aroclor 1016 (6)	6.826	20116112	529.016 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	9123019	575.107 ng/ml
10) Aroclor 1221 (2)	5.370	3330712	312.376 ng/ml
11) Aroclor 1221 (3)	5.451	15564841	457.482 ng/ml
12) Aroclor 1221 (4)	5.923	2709015	462.992 ng/ml
13) Aroclor 1221 (5)	6.232	52357083	8166.306 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.451	15564841	547.608 ng/ml
16) Aroclor 1232 (2)	6.232	52357083	1552.831 ng/ml
17) Aroclor 1232 (3)	6.314	30810886	1475.871 ng/ml
18) Aroclor 1232 (4)	6.473	24857830	1765.954 ng/ml
19) Aroclor 1232 (5)	6.698	29383049	1598.623 ng/ml
20) Aroclor 1232 (6)	6.826	20116112	1385.254 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	28703583	775.929 ng/ml
23) Aroclor 1242 (2)	6.232	52357083	821.469 ng/ml
24) Aroclor 1242 (3)	6.314	30810886	821.497 ng/ml
25) Aroclor 1242 (4)	6.473	24857830	831.743 ng/ml
26) Aroclor 1242 (5)	6.698	29383049	785.914 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_32.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 05:30 pm
 Operator :
 Sample : 0I28031-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.826	20116112	658.952 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.220	44208291	1116.560 ng/ml
30) Aroclor 1248 (2)	6.473	24857830	454.636 ng/ml
31) Aroclor 1248 (3)	6.698	29383049	452.545 ng/ml
32) Aroclor 1248 (4)	6.995	5799663	84.029 ng/ml
33) Aroclor 1248 (5)	7.030	19902669	268.945 ng/ml
34) Aroclor 1248 (6)	7.524	37989297	976.990 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.030	19902669	273.442 ng/ml
37) Aroclor 1254 (2)	7.140	20038969	245.611 ng/ml
38) Aroclor 1254 (3)	7.524	37989297	321.723 ng/ml
39) Aroclor 1254 (4)	7.682	5722451	75.136 ng/ml
40) Aroclor 1254 (5)	8.069	50401519	642.254 ng/ml
41) Aroclor 1254 (6)	8.365	5628626	218.235 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.636	52341428	530.730 ng/ml
44) Aroclor 1260 (2)	7.770	65293919	552.152 ng/ml
45) Aroclor 1260 (3)	8.335	47414748	536.278 ng/ml
46) Aroclor 1260 (4)	8.506	111961639	591.044 ng/ml
47) Aroclor 1260 (5)	8.810	70567509	570.845 ng/ml
48) Aroclor 1260 (6)	9.217	27279221	530.642 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.770	65293919	772.716 ng/ml
51) Aroclor 1262 (2)	8.099	47732210	395.004 ng/ml
52) Aroclor 1262 (3)	8.335	47414748	481.455 ng/ml
53) Aroclor 1262 (4)	8.506	111961639	558.927 ng/ml
54) Aroclor 1262 (5)	8.810	70567509	610.449 ng/ml
55) Aroclor 1262 (6)	9.217	27279221	450.621 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.335	47414748	867.312 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_32.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 05:30 pm
 Operator :
 Sample : 0I28031-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	25965269	107.537 ng/ml
59)	Aroclor 1268 (3)	8.810	70567509	366.060 ng/ml
60)	Aroclor 1268 (4)	8.992	5422113	29.188 ng/ml
61)	Aroclor 1268 (5)	9.217	27279221	396.002 ng/ml
62)	Aroclor 1268 (6)	9.493	14685323	31.611 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

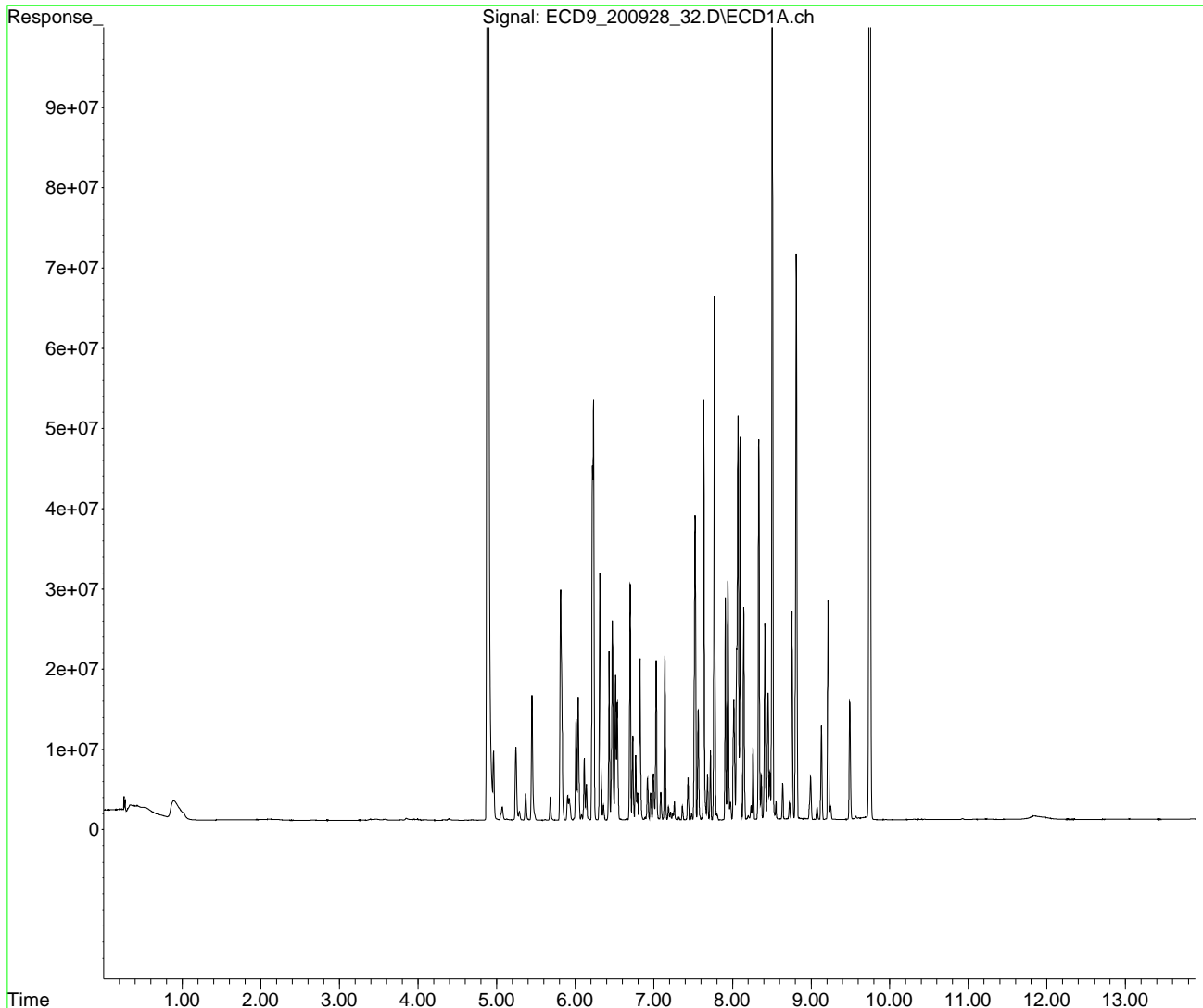
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_32.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 05:30 pm
Operator :
Sample : 0I28031-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_34.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 05:48 pm
 Operator :
 Sample : 0I28031-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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Clean

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:57 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	161480315	119.943 ng/ml
64) S DCBP (S)	9.746	111388576	117.237 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.813	34804	0.640 ng/ml
3) Aroclor 1016 (2)	6.235	54641	0.602 ng/ml
4) Aroclor 1016 (3)	6.317	50861	0.906 ng/ml
5) Aroclor 1016 (4)	6.470	41820	0.893 ng/ml
6) Aroclor 1016 (5)	6.697	81694	1.484 ng/ml
7) Aroclor 1016 (6)	6.826	70089	1.843 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	3343459	210.769 ng/ml
10) Aroclor 1221 (2)	5.372	74158	6.955 ng/ml
11) Aroclor 1221 (3)	5.462	40590	1.193 ng/ml
12) Aroclor 1221 (4)	5.930	36603	6.256 ng/ml
13) Aroclor 1221 (5)	6.235	54641	8.523 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.462	40590	1.428 ng/ml
16) Aroclor 1232 (2)	6.235	54641	1.621 ng/ml
17) Aroclor 1232 (3)	6.317	50861	2.436 ng/ml
18) Aroclor 1232 (4)	6.470	41820	2.971 ng/ml
19) Aroclor 1232 (5)	6.697	81694	4.445 ng/ml
20) Aroclor 1232 (6)	6.826	70089	4.827 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.818	32455	0.877 ng/ml
23) Aroclor 1242 (2)	6.235	54641	0.857 ng/ml
24) Aroclor 1242 (3)	6.317	50861	1.356 ng/ml
25) Aroclor 1242 (4)	6.470	41820	1.399 ng/ml
26) Aroclor 1242 (5)	6.697	81694	2.185 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_34.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 05:48 pm
 Operator :
 Sample : 0I28031-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:57 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.826	70089	2.296 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.215	68418	1.728 ng/ml
30)	Aroclor 1248 (2)	6.470	41820	0.765 ng/ml
31)	Aroclor 1248 (3)	6.697	81694	1.258 ng/ml
32)	Aroclor 1248 (4)	7.004	1947610	28.218 ng/ml
33)	Aroclor 1248 (5)	7.004	1947610	26.318 ng/ml
34)	Aroclor 1248 (6)	7.510	58229	1.498 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.004	1947610	26.758 ng/ml
37)	Aroclor 1254 (2)	7.138	181437	2.224 ng/ml
38)	Aroclor 1254 (3)	7.521	58032	0.491 ng/ml
39)	Aroclor 1254 (4)	7.701	40103	0.527 ng/ml
40)	Aroclor 1254 (5)	8.081	86065	1.097 ng/ml
41)	Aroclor 1254 (6)	8.358	27381	1.062 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.638	45173	0.458 ng/ml
44)	Aroclor 1260 (2)	7.770	46220	0.391 ng/ml
45)	Aroclor 1260 (3)	8.329	39091	0.442 ng/ml
46)	Aroclor 1260 (4)	8.502	135743	0.717 ng/ml
47)	Aroclor 1260 (5)	8.806	79011	0.639 ng/ml
48)	Aroclor 1260 (6)	9.213	22745	0.442 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	46220	0.547 ng/ml
51)	Aroclor 1262 (2)	8.100	36152	0.299 ng/ml
52)	Aroclor 1262 (3)	8.329	39091	0.397 ng/ml
53)	Aroclor 1262 (4)	8.502	135743	0.678 ng/ml
54)	Aroclor 1262 (5)	8.806	79011	0.683 ng/ml
55)	Aroclor 1262 (6)	9.220	19914	0.329 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.329	39091	0.715 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_34.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 05:48 pm
 Operator :
 Sample : 0I28031-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:22:57 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.763	106201	0.440 ng/ml
59)	Aroclor 1268 (3)	8.806	79011	0.410 ng/ml
60)	Aroclor 1268 (4)	8.992	2062681	11.104 ng/ml
61)	Aroclor 1268 (5)	9.213	22745	0.330 ng/ml
62)	Aroclor 1268 (6)	9.494	4262975	9.176 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

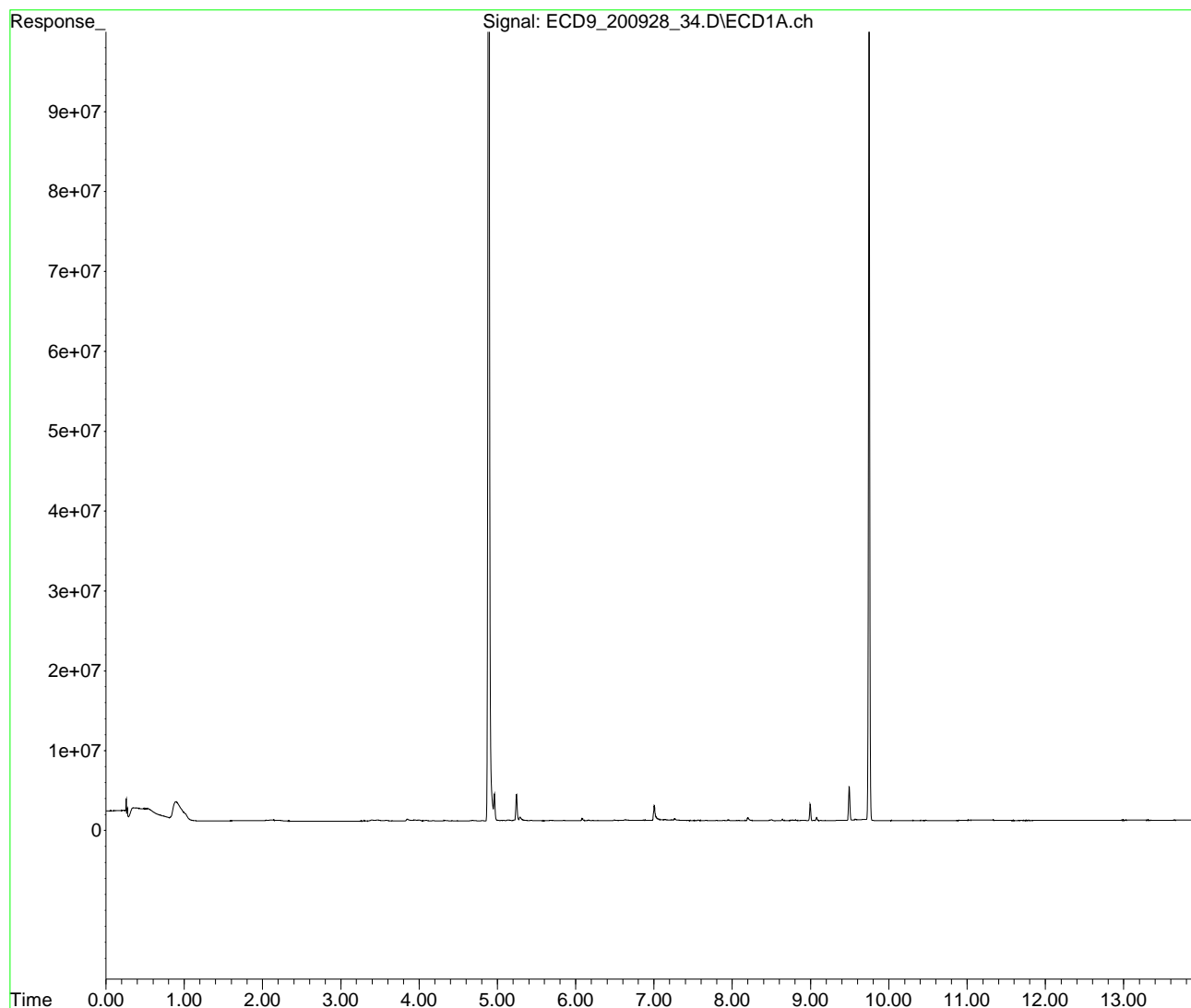
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_34.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 05:48 pm
Operator :
Sample : 0I28031-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:22:57 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_36.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 06:05 pm
 Operator :
 Sample : A0I0556-43
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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RR-7

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:03 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	243065554	180.542 ng/ml
64) S DCBP (S)	9.745	175060941	184.252 ng/ml S-06
Target Compounds			
2) Aroclor 1016 (1)	5.816	35456	0.652 ng/ml
3) Aroclor 1016 (2)	6.233	87675	0.966 ng/ml
4) Aroclor 1016 (3)	6.314	103201	1.839 ng/ml
5) Aroclor 1016 (4)	6.475	163695	3.496 ng/ml
6) Aroclor 1016 (5)	6.699	81581	1.482 ng/ml
7) Aroclor 1016 (6)	6.827	67537	1.776 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	4235857	267.025 ng/ml
10) Aroclor 1221 (2)	5.370	21173	1.986 ng/ml
11) Aroclor 1221 (3)	5.460	97799	2.875 ng/ml
12) Aroclor 1221 (4)	5.925	34414	5.882 ng/ml
13) Aroclor 1221 (5)	6.233	87675	13.675 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.460	97799	3.441 ng/ml
16) Aroclor 1232 (2)	6.233	87675	2.600 ng/ml
17) Aroclor 1232 (3)	6.314	103201	4.943 ng/ml
18) Aroclor 1232 (4)	6.475	163695	11.629 ng/ml
19) Aroclor 1232 (5)	6.699	81581	4.439 ng/ml
20) Aroclor 1232 (6)	6.827	67537	4.651 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	35456	0.958 ng/ml
23) Aroclor 1242 (2)	6.233	87675	1.376 ng/ml
24) Aroclor 1242 (3)	6.314	103201	2.752 ng/ml
25) Aroclor 1242 (4)	6.475	163695	5.477 ng/ml
26) Aroclor 1242 (5)	6.699	81581	2.182 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_36.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 06:05 pm
 Operator :
 Sample : A0I0556-43
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:03 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.827	67537	2.212 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.233	87675	2.214 ng/ml
30)	Aroclor 1248 (2)	6.475	163695	2.994 ng/ml
31)	Aroclor 1248 (3)	6.699	81581	1.256 ng/ml
32)	Aroclor 1248 (4)	7.007	1757540	25.464 ng/ml
33)	Aroclor 1248 (5)	7.029	577686	7.806 ng/ml
34)	Aroclor 1248 (6)	7.518	403003	10.364 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.029	577686	7.937 ng/ml
37)	Aroclor 1254 (2)	7.141	401085	4.916 ng/ml
38)	Aroclor 1254 (3)	7.518	403003	3.413 ng/ml
39)	Aroclor 1254 (4)	7.689	355964	4.674 ng/ml
40)	Aroclor 1254 (5)	8.069	396413	5.051 ng/ml
41)	Aroclor 1254 (6)	8.365	129169	5.008 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.638	371853	3.770 ng/ml
44)	Aroclor 1260 (2)	7.770	494837	4.185 ng/ml
45)	Aroclor 1260 (3)	8.339	238255	2.695 ng/ml
46)	Aroclor 1260 (4)	8.493	1152978	6.087 ng/ml
47)	Aroclor 1260 (5)	8.809	493110	3.989 ng/ml
48)	Aroclor 1260 (6)	9.217	178928	3.481 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	494837	5.856 ng/ml
51)	Aroclor 1262 (2)	8.099	252507	2.090 ng/ml
52)	Aroclor 1262 (3)	8.339	238255	2.419 ng/ml
53)	Aroclor 1262 (4)	8.493	1152978	5.756 ng/ml
54)	Aroclor 1262 (5)	8.809	493110	4.266 ng/ml
55)	Aroclor 1262 (6)	9.217	178928	2.956 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.339	238255	4.358 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_36.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 06:05 pm
 Operator :
 Sample : A0I0556-43
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:03 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	278183	1.152 ng/ml
59)	Aroclor 1268 (3)	8.809	493110	2.558 ng/ml
60)	Aroclor 1268 (4)	8.993	2819977	15.180 ng/ml
61)	Aroclor 1268 (5)	9.217	178928	2.597 ng/ml
62)	Aroclor 1268 (6)	9.493	5614379	12.085 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

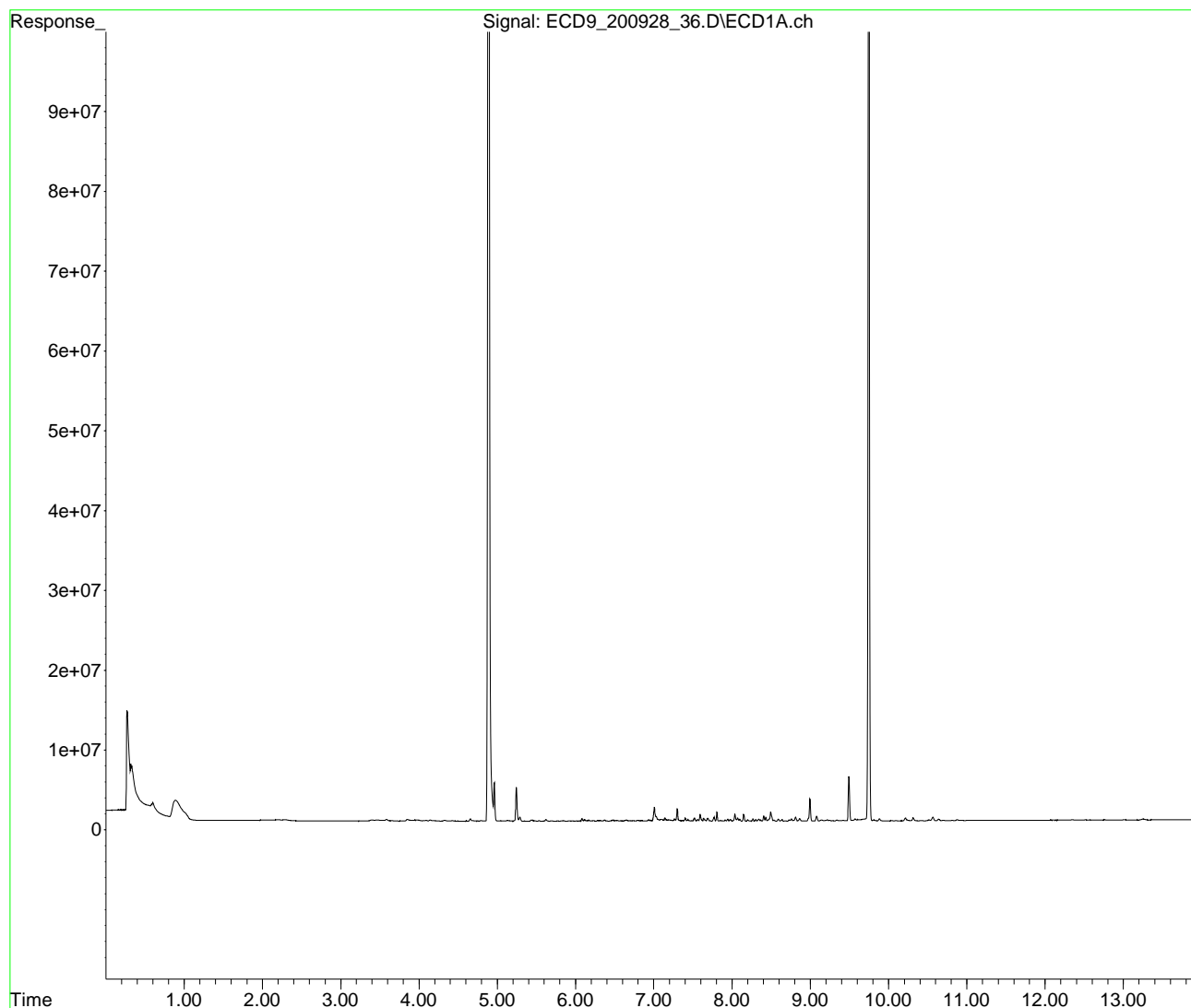
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_36.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 06:05 pm
Operator :
Sample : A0I0556-43
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:23:03 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_40.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 06:41 pm
 Operator :
 Sample : A0I0556-44
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:09 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	308319198	229.011 ng/ml
64) S DCBP (S)	9.746	217639130	229.065 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.838	106976	1.966 ng/ml
3) Aroclor 1016 (2)	6.234	237479	2.616 ng/ml
4) Aroclor 1016 (3)	6.315	149806	2.670 ng/ml
5) Aroclor 1016 (4)	6.475	324473	6.929 ng/ml
6) Aroclor 1016 (5)	6.699	150645	2.737 ng/ml
7) Aroclor 1016 (6)	6.827	105630	2.778 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	5494330	346.358 ng/ml
10) Aroclor 1221 (2)	5.364	18063	1.694 ng/ml
11) Aroclor 1221 (3)	5.462	193732	5.694 ng/ml
12) Aroclor 1221 (4)	5.925	80391	13.739 ng/ml
13) Aroclor 1221 (5)	6.234	237479	37.040 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.462	193732	6.816 ng/ml
16) Aroclor 1232 (2)	6.234	237479	7.043 ng/ml
17) Aroclor 1232 (3)	6.315	149806	7.176 ng/ml
18) Aroclor 1232 (4)	6.475	324473	23.051 ng/ml
19) Aroclor 1232 (5)	6.699	150645	8.196 ng/ml
20) Aroclor 1232 (6)	6.827	105630	7.274 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.838	106976	2.892 ng/ml
23) Aroclor 1242 (2)	6.234	237479	3.726 ng/ml
24) Aroclor 1242 (3)	6.315	149806	3.994 ng/ml
25) Aroclor 1242 (4)	6.475	324473	10.857 ng/ml
26) Aroclor 1242 (5)	6.699	150645	4.029 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_40.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 06:41 pm
 Operator :
 Sample : A0I0556-44
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:09 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.827	105630	3.460 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.234	237479	5.998 ng/ml
30)	Aroclor 1248 (2)	6.475	324473	5.934 ng/ml
31)	Aroclor 1248 (3)	6.699	150645	2.320 ng/ml
32)	Aroclor 1248 (4)	7.014	1515475	21.957 ng/ml
33)	Aroclor 1248 (5)	7.029	873948	11.810 ng/ml
34)	Aroclor 1248 (6)	7.520	712883	18.334 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.029	873948	12.007 ng/ml
37)	Aroclor 1254 (2)	7.143	674475	8.267 ng/ml
38)	Aroclor 1254 (3)	7.520	712883	6.037 ng/ml
39)	Aroclor 1254 (4)	7.692	1698362	22.300 ng/ml
40)	Aroclor 1254 (5)	8.069	881024	11.227 ng/ml
41)	Aroclor 1254 (6)	8.365	158907	6.161 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.638	810234	8.216 ng/ml
44)	Aroclor 1260 (2)	7.770	1221358	10.328 ng/ml
45)	Aroclor 1260 (3)	8.343	1142345	12.920 ng/ml
46)	Aroclor 1260 (4)	8.493	8703982	45.948 ng/ml
47)	Aroclor 1260 (5)	8.810	997915	8.072 ng/ml
48)	Aroclor 1260 (6)	9.217	361742	7.037 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	1221358	14.454 ng/ml
51)	Aroclor 1262 (2)	8.100	619285	5.125 ng/ml
52)	Aroclor 1262 (3)	8.343	1142345	11.600 ng/ml
53)	Aroclor 1262 (4)	8.493	8703982	43.451 ng/ml
54)	Aroclor 1262 (5)	8.810	997915	8.633 ng/ml
55)	Aroclor 1262 (6)	9.217	361742	5.976 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.343	1142345	20.896 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_40.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 06:41 pm
 Operator :
 Sample : A0I0556-44
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:09 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	534006	2.212 ng/ml
59)	Aroclor 1268 (3)	8.810	997915	5.177 ng/ml
60)	Aroclor 1268 (4)	8.993	3266790	17.585 ng/ml
61)	Aroclor 1268 (5)	9.217	361742	5.251 ng/ml
62)	Aroclor 1268 (6)	9.493	7308055	15.731 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

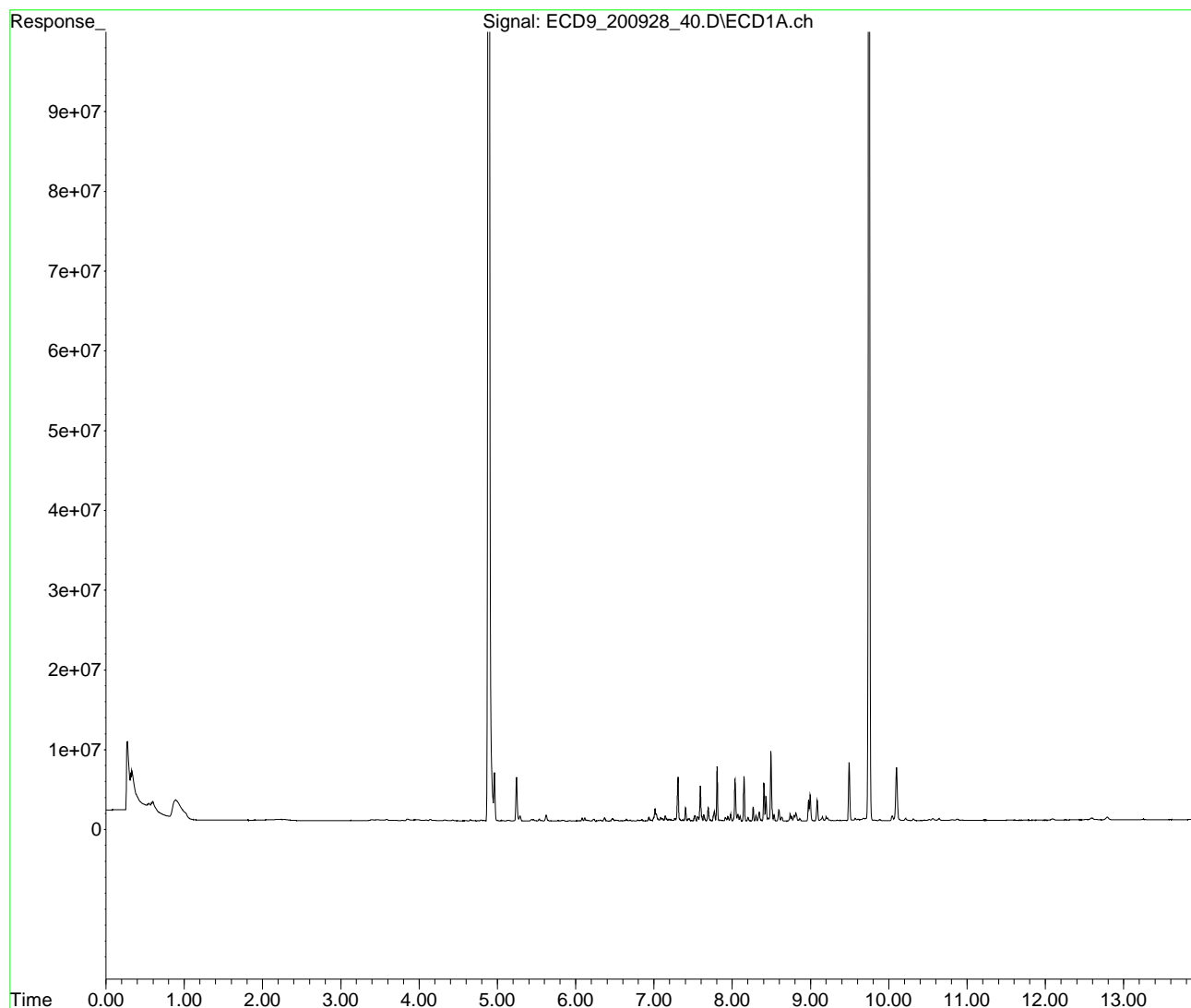
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_40.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 06:41 pm
Operator :
Sample : A0I0556-44
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:23:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_44.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-45
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

KAK 9/29/2020

1260

Integration File: PCB1.e
 Quant Time: Sep 29 09:03:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	281476885	209.073 ng/ml
64) S DCBP (S)	9.747	206970842	217.837 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.819	157946	2.903 ng/mlm
3) Aroclor 1016 (2)	6.232	81476	0.898 ng/ml
4) Aroclor 1016 (3)	6.313	63118	1.125 ng/ml
5) Aroclor 1016 (4)	6.475	458573	9.793 ng/ml
6) Aroclor 1016 (5)	6.704	792921	14.404 ng/ml
7) Aroclor 1016 (6)	6.820	209264	5.503 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	5316672	335.158 ng/mlm
10) Aroclor 1221 (2)	5.369	406854	38.157 ng/mlm
11) Aroclor 1221 (3)	5.446	606830	17.836 ng/mlm
12) Aroclor 1221 (4)	5.925	130991	22.387 ng/mlm
13) Aroclor 1221 (5)	6.232	81476	12.708 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.445	627199	22.066 ng/mlm
16) Aroclor 1232 (2)	6.232	81476	2.416 ng/ml
17) Aroclor 1232 (3)	6.313	63118	3.023 ng/ml
18) Aroclor 1232 (4)	6.475	458573	32.578 ng/ml
19) Aroclor 1232 (5)	6.704	792921	43.140 ng/ml
20) Aroclor 1232 (6)	6.820	209264	14.411 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.819	161860	4.375 ng/mlm
23) Aroclor 1242 (2)	6.232	81476	1.278 ng/ml
24) Aroclor 1242 (3)	6.313	63118	1.683 ng/ml
25) Aroclor 1242 (4)	6.475	458573	15.344 ng/ml
26) Aroclor 1242 (5)	6.704	792921	21.208 ng/ml

MDL=MRL

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_44.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-45
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 09:03:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.820	209264	6.855 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.232	81476	2.058 ng/ml	
30) Aroclor 1248 (2)	6.475	458573	8.387 ng/ml	
31) Aroclor 1248 (3)	6.704	792921	12.212 ng/ml	
32) Aroclor 1248 (4)	7.011	1343217	19.461 ng/ml	
33) Aroclor 1248 (5)	7.031	1709144	23.096 ng/ml	
34) Aroclor 1248 (6)	7.522	2877885	74.012 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.031	1709144	23.482 ng/ml	
37) Aroclor 1254 (2)	7.142	2208153	27.065 ng/ml	
38) Aroclor 1254 (3)	7.522	2877885	24.372 ng/ml	R-02
39) Aroclor 1254 (4)	7.690	2266589	29.760 ng/ml	
40) Aroclor 1254 (5)	8.070	4642218	59.155 ng/ml	
41) Aroclor 1254 (6)	8.366	756045	29.314 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.638	4021808	40.780 ng/ml	
44) Aroclor 1260 (2)	7.771	5672204	47.966 ng/ml	
45) Aroclor 1260 (3)	8.336	3516970	39.778 ng/ml	44.738
46) Aroclor 1260 (4)	8.506	9002957	47.526 ng/ml	
47) Aroclor 1260 (5)	8.810	5879462	47.561 ng/ml	
48) Aroclor 1260 (6)	9.218	2303918	44.816 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.771	5672204	67.127 ng/ml	
51) Aroclor 1262 (2)	8.100	3574344	29.579 ng/ml	
52) Aroclor 1262 (3)	8.336	3516970	35.712 ng/ml	
53) Aroclor 1262 (4)	8.506	9002957	44.944 ng/ml	
54) Aroclor 1262 (5)	8.810	5879462	50.861 ng/ml	
55) Aroclor 1262 (6)	9.218	2303918	38.058 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.336	3516970	64.332 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_44.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-45
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 09:03:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	3011132	12.471 ng/ml
59)	Aroclor 1268 (3)	8.810	5879462	30.499 ng/ml
60)	Aroclor 1268 (4)	8.993	4940323	26.594 ng/ml
61)	Aroclor 1268 (5)	9.218	2303918	33.445 ng/ml
62)	Aroclor 1268 (6)	9.493	10810346	23.270 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

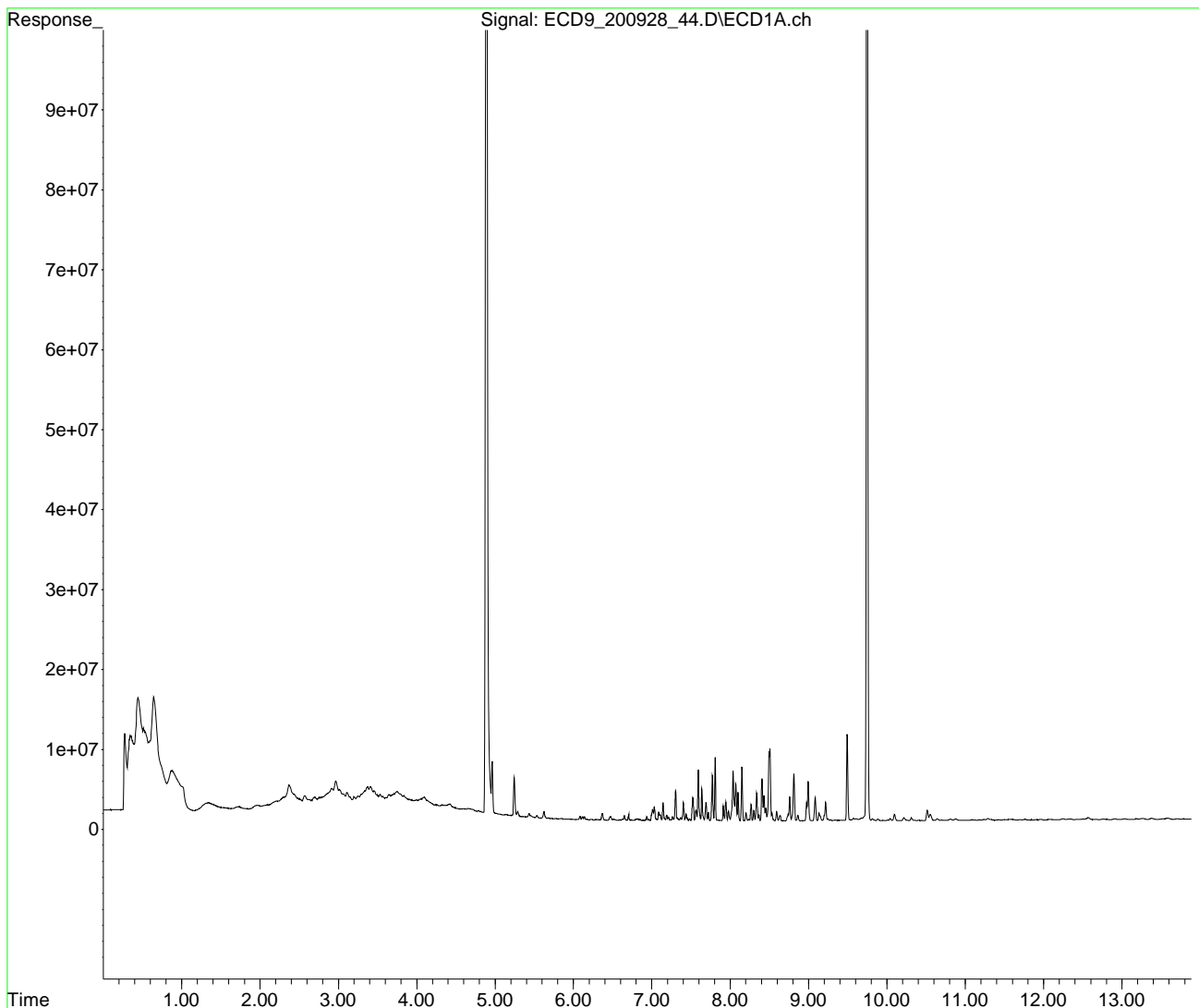
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(2) Aroclor 1016 (1)
5.819min 2.903 ng/ml m
response 157946

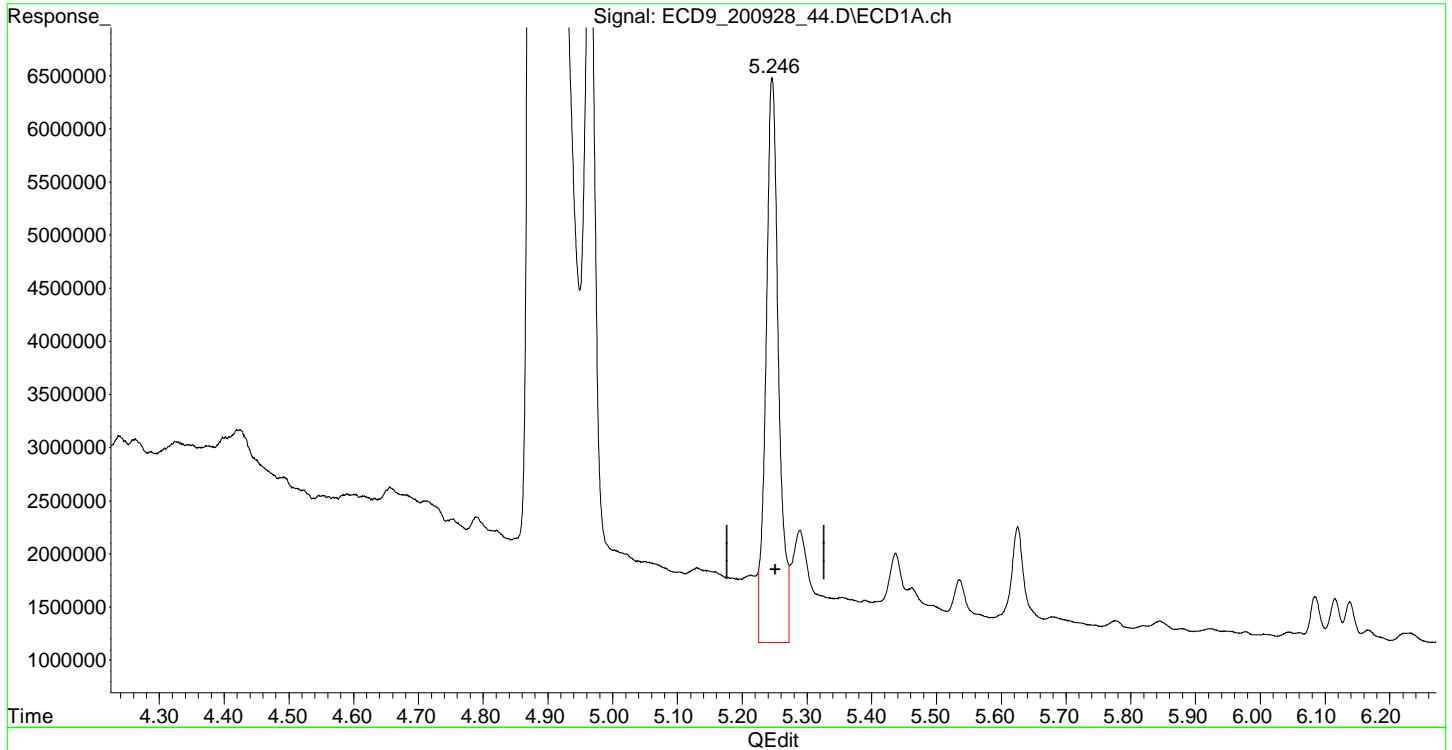
KAK 9/29/2020

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



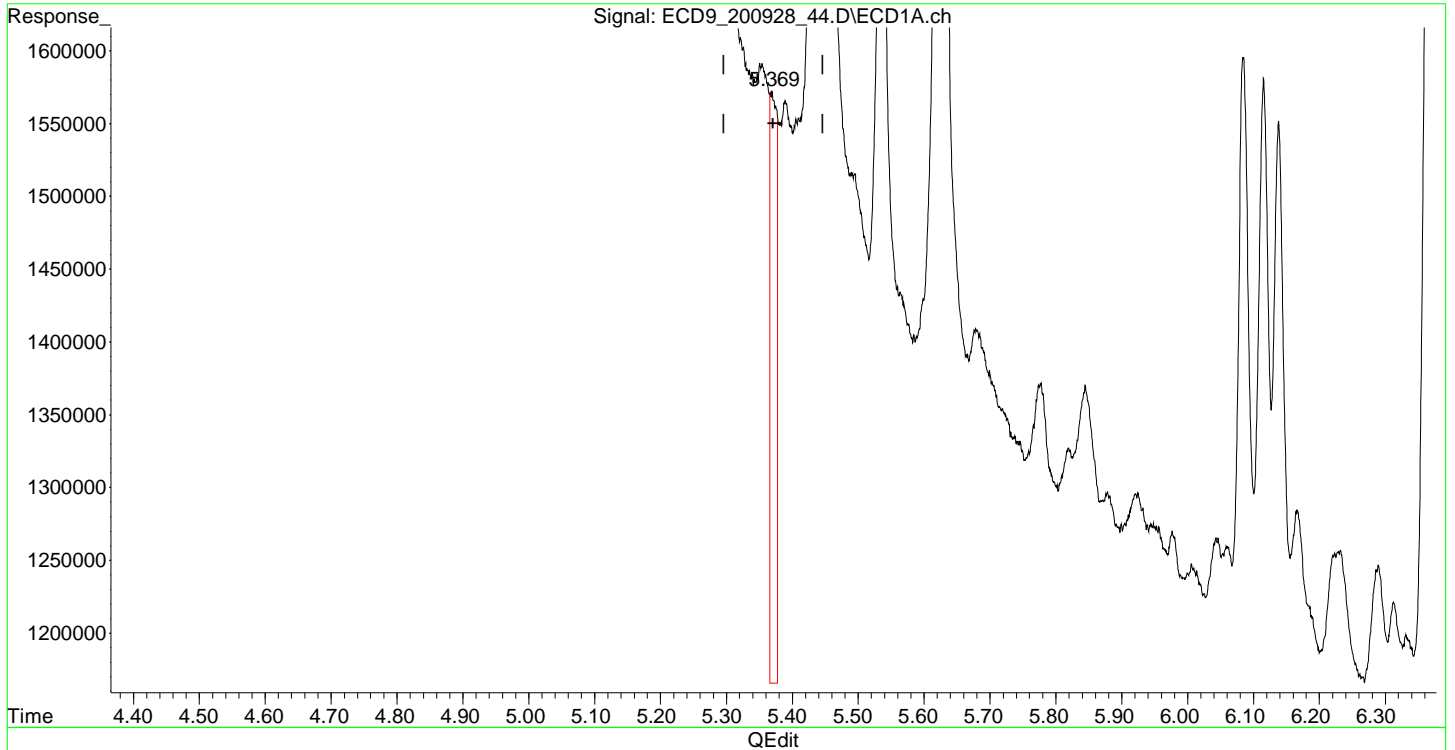
(9) Aroclor 1221 (1)
5.246min 335.158 ng/ml m *KAK 9/29/2020*
response 5316672

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



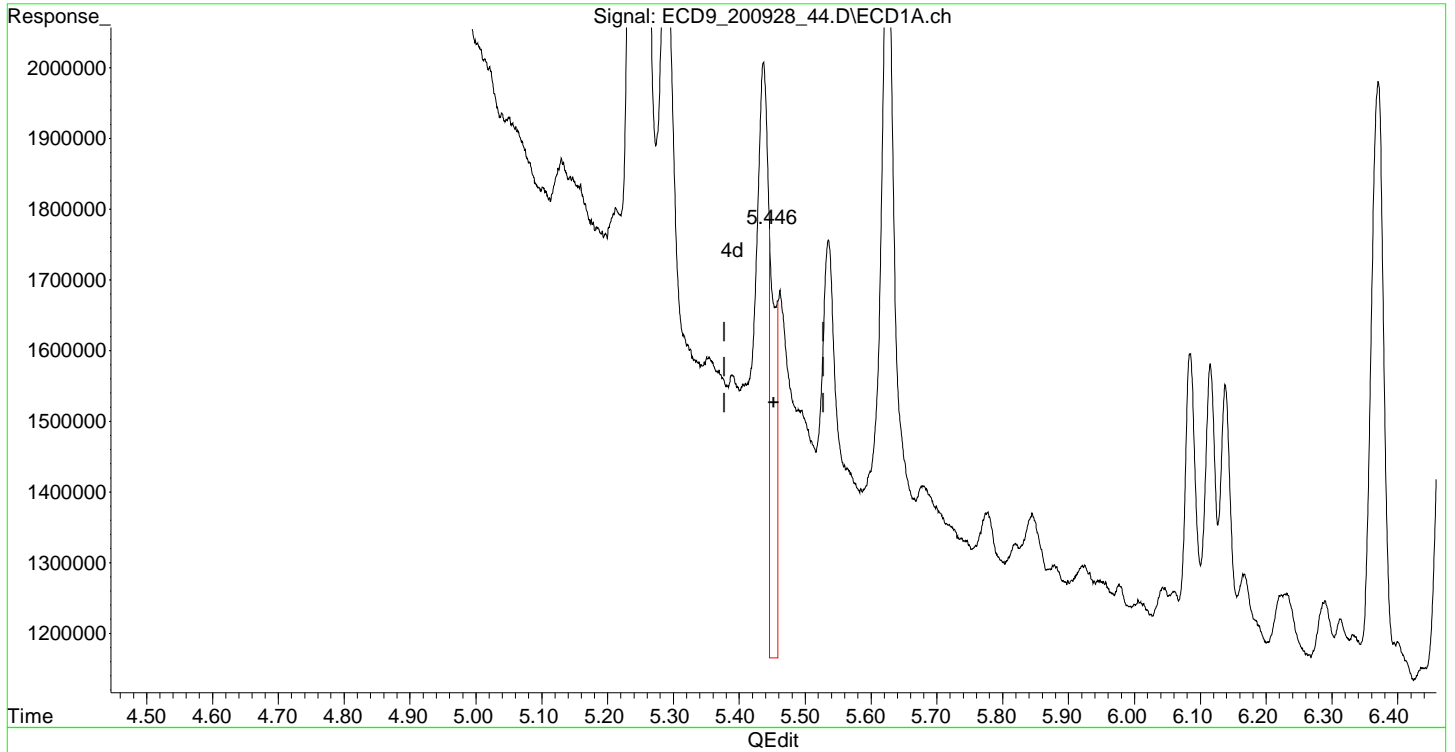
(10) Aroclor 1221 (2)
5.369min 38.157 ng/ml m *KAK 9/29/2020*
response 406854

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



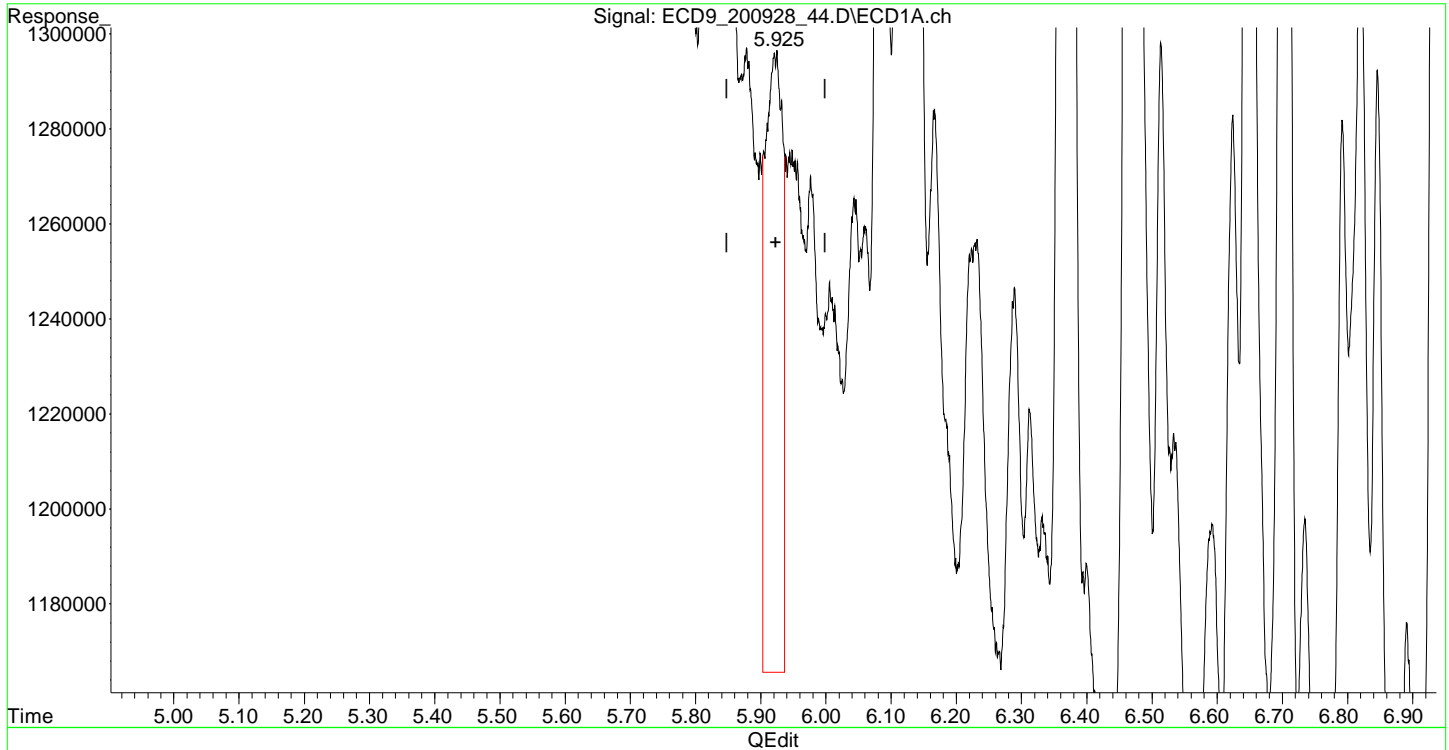
(11) Aroclor 1221 (3)
5.446min 17.836 ng/ml m *KAK 9/29/2020*
response 606830

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



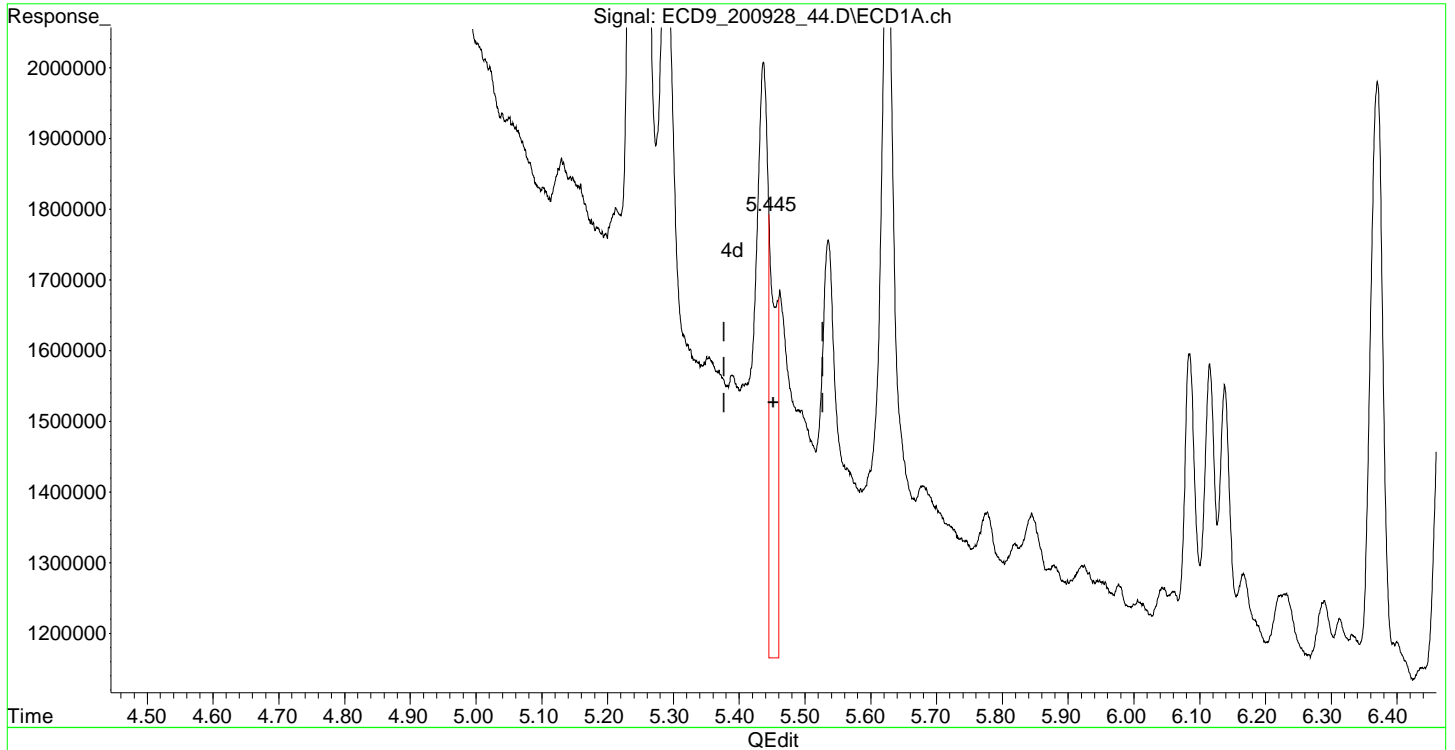
(12) Aroclor 1221 (4)
5.925min 22.387 ng/ml m *KAK 9/29/2020*
response 130991

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



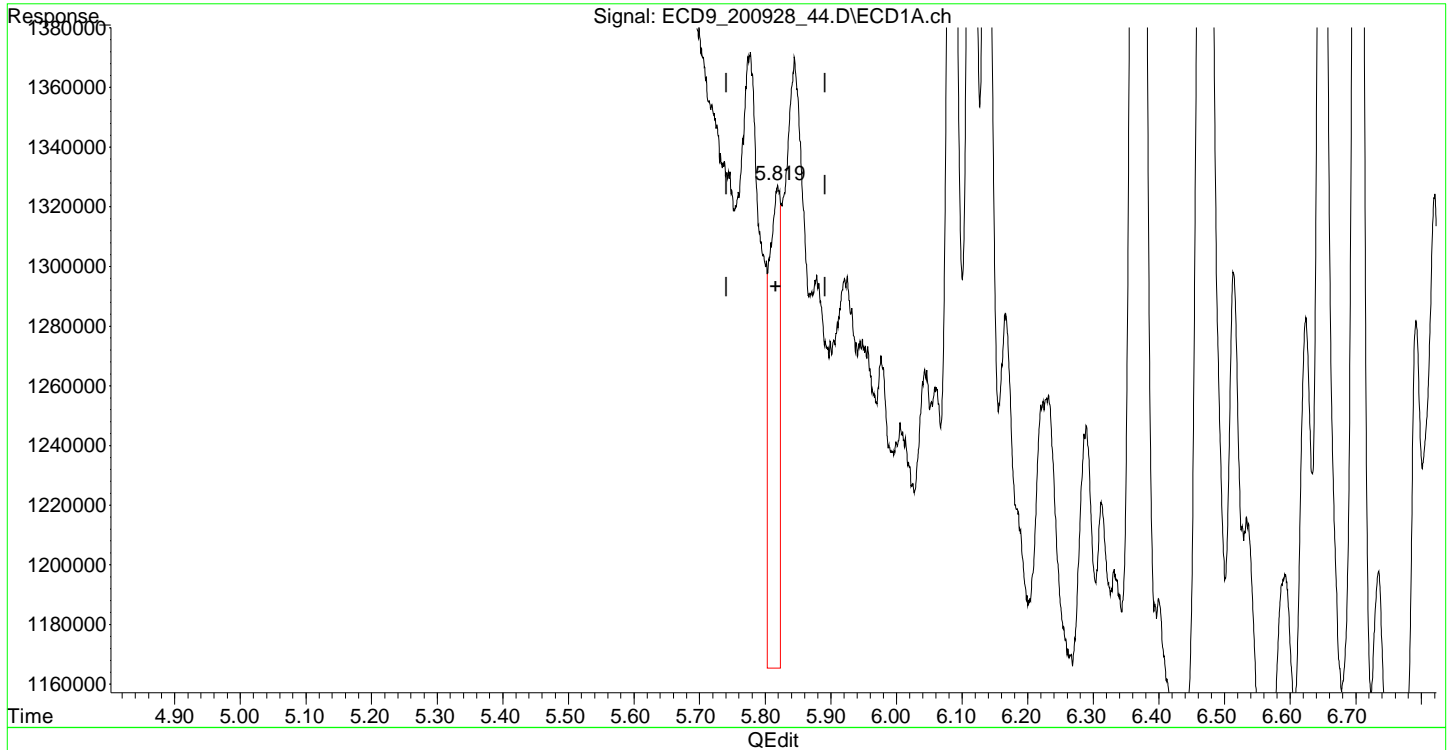
(15) Aroclor 1232 (1)
5.445min 22.066 ng/ml m *KAK 9/29/2020*
response 627199

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 09:03:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(22) Aroclor 1242 (1)
5.819min 4.375 ng/ml m *KAK 9/29/2020*
response 161860

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_44.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-45
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

KAK 9/29/2020

MI

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:15 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.890	281476885	209.073 ng/ml
64) S DCBP (S)	9.747	206970842	217.837 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.819	34451	0.633 ng/ml
3) Aroclor 1016 (2)	6.232	81476	0.898 ng/ml
4) Aroclor 1016 (3)	6.313	63118	1.125 ng/ml
5) Aroclor 1016 (4)	6.475	458573	9.793 ng/ml
6) Aroclor 1016 (5)	6.704	792921	14.404 ng/ml
7) Aroclor 1016 (6)	6.820	209264	5.503 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	4801787	302.700 ng/ml
10) Aroclor 1221 (2)	5.355	20464	1.919 ng/ml
11) Aroclor 1221 (3)	5.462	193411	5.685 ng/ml
12) Aroclor 1221 (4)	5.925	38126	6.516 ng/ml
13) Aroclor 1221 (5)	6.232	81476	12.708 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.462	193411	6.805 ng/ml
16) Aroclor 1232 (2)	6.232	81476	2.416 ng/ml
17) Aroclor 1232 (3)	6.313	63118	3.023 ng/ml
18) Aroclor 1232 (4)	6.475	458573	32.578 ng/ml
19) Aroclor 1232 (5)	6.704	792921	43.140 ng/ml
20) Aroclor 1232 (6)	6.820	209264	14.411 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.819	34451	0.931 ng/ml
23) Aroclor 1242 (2)	6.232	81476	1.278 ng/ml
24) Aroclor 1242 (3)	6.313	63118	1.683 ng/ml
25) Aroclor 1242 (4)	6.475	458573	15.344 ng/ml
26) Aroclor 1242 (5)	6.704	792921	21.208 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_44.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-45
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:15 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.820	209264	6.855 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.232	81476	2.058 ng/ml
30) Aroclor 1248 (2)	6.475	458573	8.387 ng/ml
31) Aroclor 1248 (3)	6.704	792921	12.212 ng/ml
32) Aroclor 1248 (4)	7.011	1343217	19.461 ng/ml
33) Aroclor 1248 (5)	7.031	1709144	23.096 ng/ml
34) Aroclor 1248 (6)	7.522	2877885	74.012 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.031	1709144	23.482 ng/ml
37) Aroclor 1254 (2)	7.142	2208153	27.065 ng/ml
38) Aroclor 1254 (3)	7.522	2877885	24.372 ng/ml
39) Aroclor 1254 (4)	7.690	2266589	29.760 ng/ml
40) Aroclor 1254 (5)	8.070	4642218	59.155 ng/ml
41) Aroclor 1254 (6)	8.366	756045	29.314 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.638	4021808	40.780 ng/ml
44) Aroclor 1260 (2)	7.771	5672204	47.966 ng/ml
45) Aroclor 1260 (3)	8.336	3516970	39.778 ng/ml
46) Aroclor 1260 (4)	8.506	9002957	47.526 ng/ml
47) Aroclor 1260 (5)	8.810	5879462	47.561 ng/ml
48) Aroclor 1260 (6)	9.218	2303918	44.816 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.771	5672204	67.127 ng/ml
51) Aroclor 1262 (2)	8.100	3574344	29.579 ng/ml
52) Aroclor 1262 (3)	8.336	3516970	35.712 ng/ml
53) Aroclor 1262 (4)	8.506	9002957	44.944 ng/ml
54) Aroclor 1262 (5)	8.810	5879462	50.861 ng/ml
55) Aroclor 1262 (6)	9.218	2303918	38.058 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.336	3516970	64.332 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_44.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-45
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:15 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	3011132	12.471 ng/ml
59)	Aroclor 1268 (3)	8.810	5879462	30.499 ng/ml
60)	Aroclor 1268 (4)	8.993	4940323	26.594 ng/ml
61)	Aroclor 1268 (5)	9.218	2303918	33.445 ng/ml
62)	Aroclor 1268 (6)	9.493	10810346	23.270 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

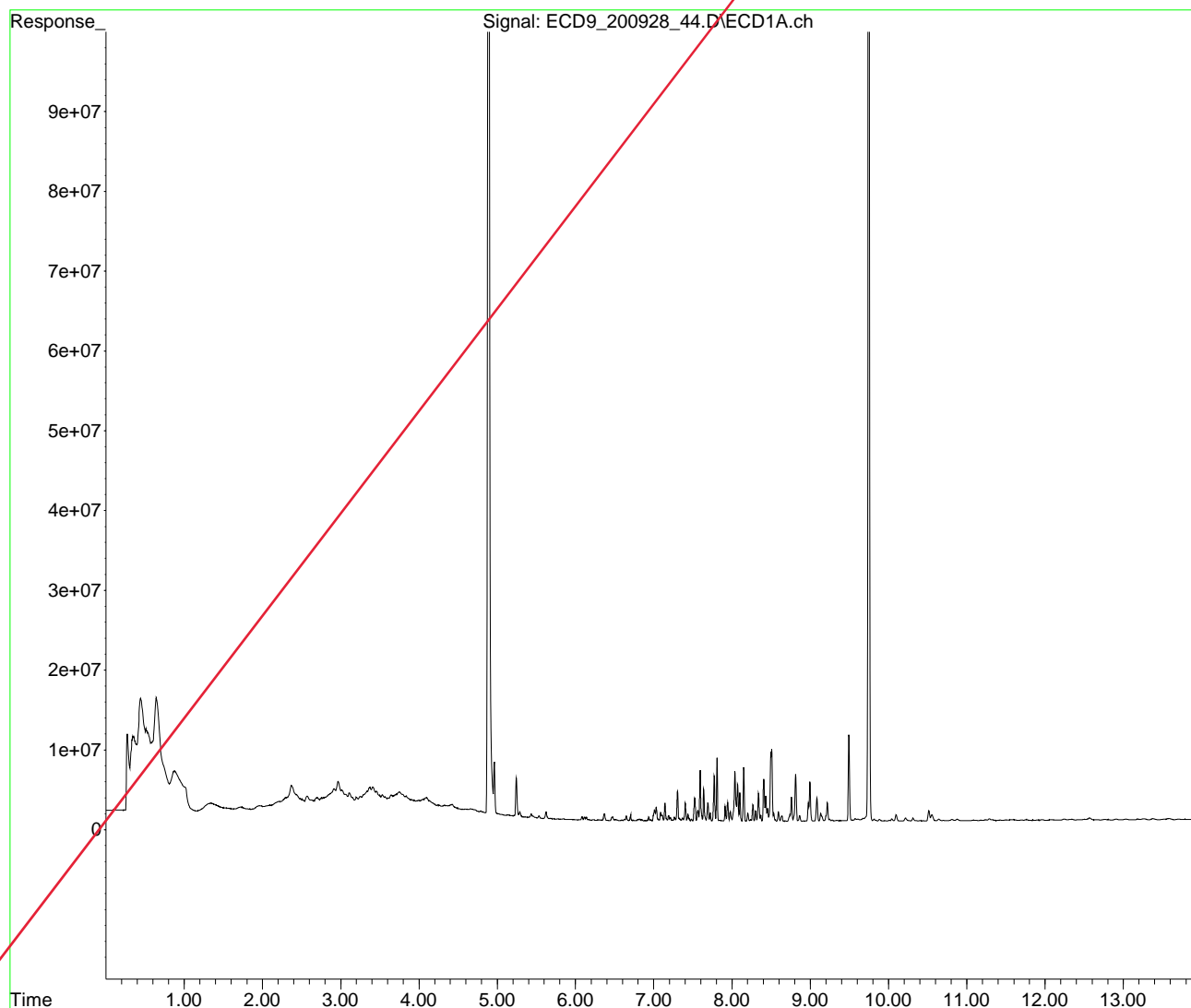
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_44.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-45
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:23:15 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_48.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:53 pm
 Operator :
 Sample : 0090782-MS1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

KAK 9/29/2020

(Double Spike Amount)

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:21 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	280715994	208.508 ng/ml
64) S DCBP (S)	9.746	210804264	221.872 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	39106286	718.744 ng/ml
3) Aroclor 1016 (2)	6.233	77156063	849.922 ng/ml
4) Aroclor 1016 (3)	6.315	40131774	715.168 ng/ml
5) Aroclor 1016 (4)	6.475	34104321	728.320 ng/ml
6) Aroclor 1016 (5)	6.698	39064279	709.646 ng/ml
7) Aroclor 1016 (6)	6.826	25809042	678.729 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.249	7853804	495.097 ng/ml
10) Aroclor 1221 (2)	5.371	3970230	372.354 ng/ml
11) Aroclor 1221 (3)	5.452	20383466	599.111 ng/ml
12) Aroclor 1221 (4)	5.924	3218740	550.108 ng/ml
13) Aroclor 1221 (5)	6.233	77156063	12034.284 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	20383466	717.138 ng/ml
16) Aroclor 1232 (2)	6.233	77156063	2288.331 ng/ml
17) Aroclor 1232 (3)	6.315	40131774	1922.351 ng/ml
18) Aroclor 1232 (4)	6.475	34104321	2422.845 ng/ml
19) Aroclor 1232 (5)	6.698	39064279	2125.343 ng/ml
20) Aroclor 1232 (6)	6.826	25809042	1777.286 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	39106286	1057.140 ng/ml
23) Aroclor 1242 (2)	6.233	77156063	1210.559 ng/ml
24) Aroclor 1242 (3)	6.315	40131774	1070.016 ng/ml
25) Aroclor 1242 (4)	6.475	34104321	1141.131 ng/ml
26) Aroclor 1242 (5)	6.698	39064279	1044.860 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_48.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:53 pm
 Operator :
 Sample : 0090782-MS1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:21 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.826	25809042	845.437 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.221	65132625	1645.042 ng/ml
30) Aroclor 1248 (2)	6.475	34104321	623.750 ng/ml
31) Aroclor 1248 (3)	6.698	39064279	601.651 ng/ml
32) Aroclor 1248 (4)	6.996	7316082	105.999 ng/ml
33) Aroclor 1248 (5)	7.031	28273837	382.065 ng/ml
34) Aroclor 1248 (6)	7.524	55928100	1438.332 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.031	28273837	388.453 ng/ml
37) Aroclor 1254 (2)	7.141	29465853	361.154 ng/ml
38) Aroclor 1254 (3)	7.524	55928100	473.642 ng/ml
39) Aroclor 1254 (4)	7.683	8951053	117.528 ng/ml
40) Aroclor 1254 (5)	8.069	75292308	959.432 ng/ml
41) Aroclor 1254 (6)	8.366	6929946	268.690 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.637	79767274	808.821 ng/ml
44) Aroclor 1260 (2)	7.771	99887649	844.691 ng/ml
45) Aroclor 1260 (3)	8.336	68519455	774.980 ng/ml
46) Aroclor 1260 (4)	8.507	179368880	946.885 ng/ml
47) Aroclor 1260 (5)	8.811	106840862	864.273 ng/ml
48) Aroclor 1260 (6)	9.218	42500601	826.732 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.771	99887649	1182.113 ng/ml
51) Aroclor 1262 (2)	8.100	75274172	622.926 ng/ml
52) Aroclor 1262 (3)	8.336	68519455	695.755 ng/ml
53) Aroclor 1262 (4)	8.507	179368880	895.433 ng/ml
54) Aroclor 1262 (5)	8.811	106840862	924.234 ng/ml
55) Aroclor 1262 (6)	9.218	42500601	702.060 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.336	68519455	1253.360 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_48.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 07:53 pm
 Operator :
 Sample : 0090782-MS1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:21 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	40507200	167.764 ng/ml
59)	Aroclor 1268 (3)	8.811	106840862	554.224 ng/ml
60)	Aroclor 1268 (4)	8.993	6785381	36.526 ng/ml
61)	Aroclor 1268 (5)	9.218	42500601	616.965 ng/ml
62)	Aroclor 1268 (6)	9.493	19816806	42.657 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

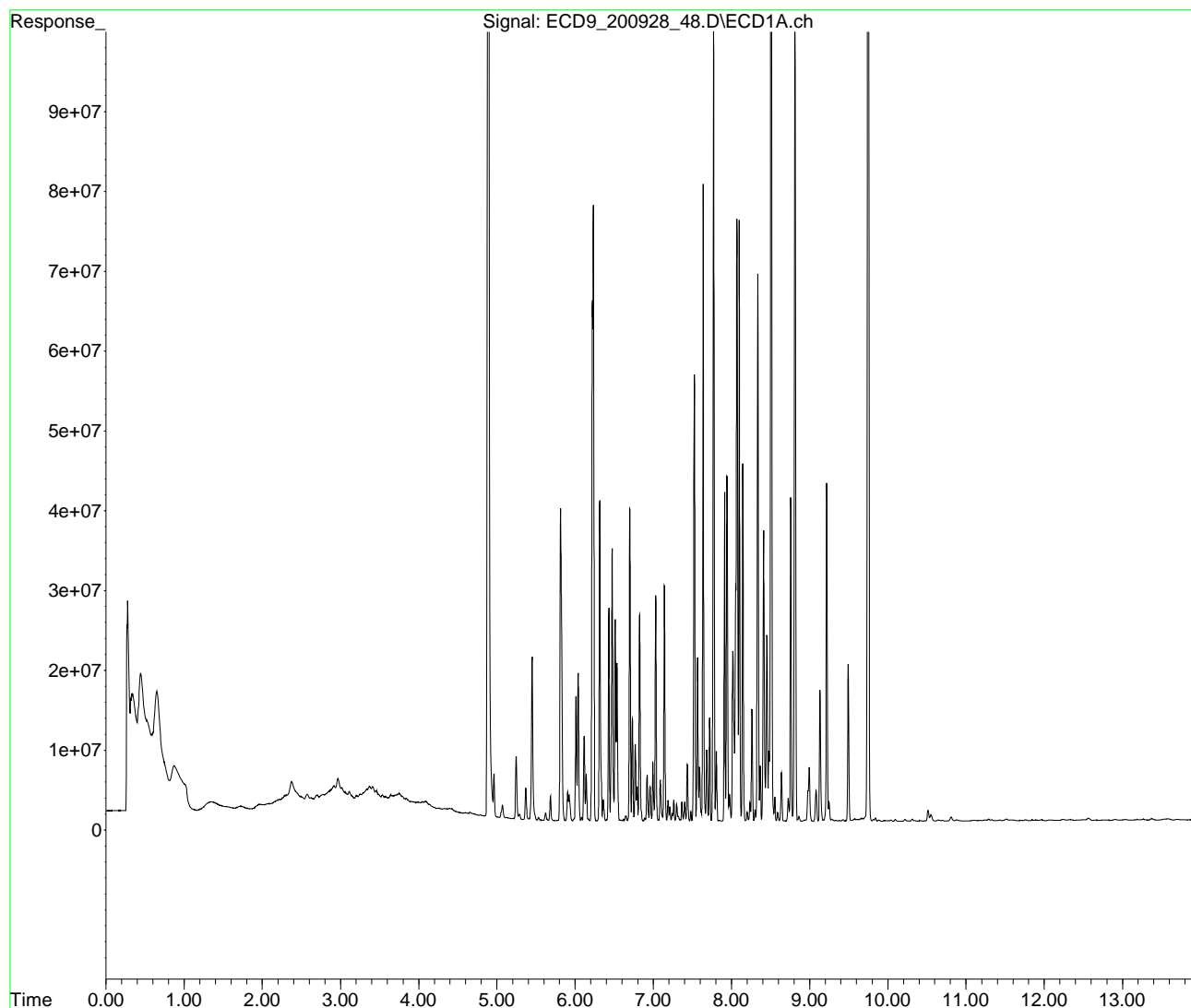
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_48.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 07:53 pm
Operator :
Sample : 0090782-MS1
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:23:21 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_52.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 08:28 pm
 Operator :
 Sample : 0I28031-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.890	396427585	294.456 ng/ml	
64) S DCBP (S)	9.744	259085980	272.688 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	5.816	28861630	530.455 ng/ml	
3) Aroclor 1016 (2)	6.232	54905674	604.820 ng/ml	Q-41
4) Aroclor 1016 (3)	6.314	30943421	551.427 ng/ml	
5) Aroclor 1016 (4)	6.473	24895282	531.655 ng/ml	
6) Aroclor 1016 (5)	6.697	29779924	540.985 ng/ml	✓
7) Aroclor 1016 (6)	6.825	20709896	544.631 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.247	9509577	599.475 ng/ml	
10) Aroclor 1221 (2)	5.370	3442723	322.881 ng/ml	
11) Aroclor 1221 (3)	5.451	15788008	464.042 ng/ml	
12) Aroclor 1221 (4)	5.923	2768500	473.159 ng/ml	
13) Aroclor 1221 (5)	6.232	54905674	8563.818 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.451	15788008	555.459 ng/ml	
16) Aroclor 1232 (2)	6.232	54905674	1628.418 ng/ml	
17) Aroclor 1232 (3)	6.314	30943421	1482.220 ng/ml	
18) Aroclor 1232 (4)	6.473	24895282	1768.615 ng/ml	
19) Aroclor 1232 (5)	6.697	29779924	1620.215 ng/ml	
20) Aroclor 1232 (6)	6.825	20709896	1426.144 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.816	28861630	780.202 ng/ml	
23) Aroclor 1242 (2)	6.232	54905674	861.456 ng/ml	
24) Aroclor 1242 (3)	6.314	30943421	825.031 ng/ml	
25) Aroclor 1242 (4)	6.473	24895282	832.996 ng/ml	
26) Aroclor 1242 (5)	6.697	29779924	796.529 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_52.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 08:28 pm
 Operator :
 Sample : 0I28031-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.825	20709896	678.403 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.220	45877702	1158.724 ng/ml
30)	Aroclor 1248 (2)	6.473	24895282	455.321 ng/ml
31)	Aroclor 1248 (3)	6.697	29779924	458.657 ng/ml
32)	Aroclor 1248 (4)	6.994	6072959	87.988 ng/ml
33)	Aroclor 1248 (5)	7.030	20156877	272.380 ng/ml
34)	Aroclor 1248 (6)	7.523	40074816	1030.625 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.030	20156877	276.934 ng/ml
37)	Aroclor 1254 (2)	7.139	19545663	239.565 ng/ml
38)	Aroclor 1254 (3)	7.523	40074816	339.385 ng/ml
39)	Aroclor 1254 (4)	7.682	5929971	77.861 ng/ml
40)	Aroclor 1254 (5)	8.068	51232339	652.841 ng/ml
41)	Aroclor 1254 (6)	8.364	5776022	223.950 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.636	53680102	544.303 ng/ml
44)	Aroclor 1260 (2)	7.770	65462146	553.575 ng/ml
45)	Aroclor 1260 (3)	8.334	50925151	575.982 ng/ml
46)	Aroclor 1260 (4)	8.505	117200162	618.698 ng/ml
47)	Aroclor 1260 (5)	8.809	73572923	595.157 ng/ml
48)	Aroclor 1260 (6)	9.216	29482375	573.498 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	65462146	774.707 ng/ml
51)	Aroclor 1262 (2)	8.099	48787258	403.735 ng/ml
52)	Aroclor 1262 (3)	8.334	50925151	517.100 ng/ml
53)	Aroclor 1262 (4)	8.505	117200162	585.079 ng/ml
54)	Aroclor 1262 (5)	8.809	73572923	636.448 ng/ml
55)	Aroclor 1262 (6)	9.216	29482375	487.014 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.334	50925151	931.524 ng/ml

✓
Q-41

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_52.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 08:28 pm
 Operator :
 Sample : 0I28031-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	25482910	105.539 ng/ml
59)	Aroclor 1268 (3)	8.809	73572923	381.651 ng/ml
60)	Aroclor 1268 (4)	8.991	5955903	32.061 ng/ml
61)	Aroclor 1268 (5)	9.216	29482375	427.984 ng/ml
62)	Aroclor 1268 (6)	9.491	15437937	33.231 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

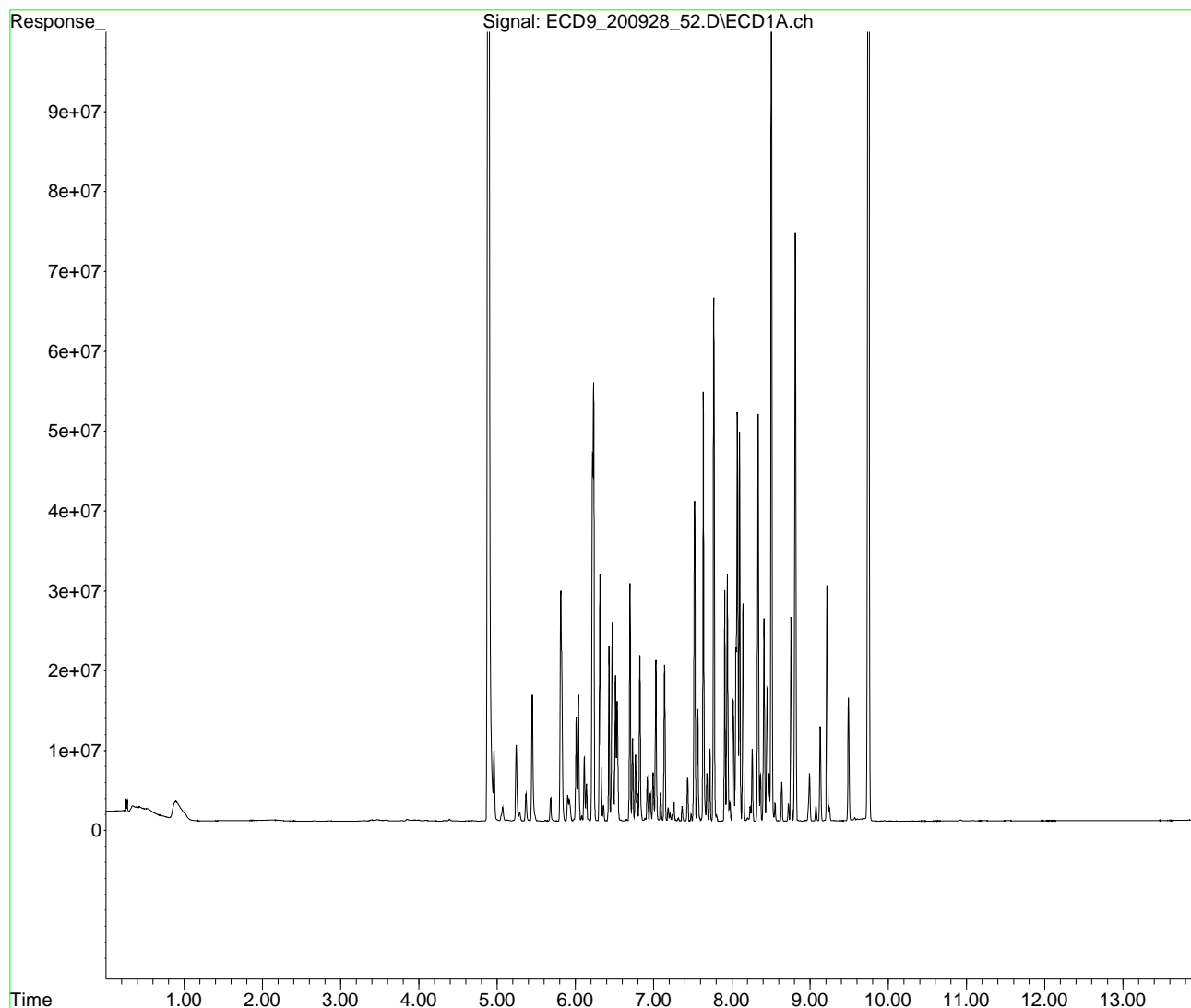
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_52.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 08:28 pm
Operator :
Sample : 0I28031-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:23:27 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_54.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 08:46 pm
 Operator :
 Sample : 0I28031-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:33 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.888	165419490	122.869 ng/ml
64) S DCBP (S)	9.743	111790033	117.659 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.812	27625	0.508 ng/ml
3) Aroclor 1016 (2)	6.234	38533	0.424 ng/ml
4) Aroclor 1016 (3)	6.313	30738	0.548 ng/ml
5) Aroclor 1016 (4)	6.463	23639	0.505 ng/ml
6) Aroclor 1016 (5)	6.699	32870	0.597 ng/ml
7) Aroclor 1016 (6)	6.824	34004	0.894 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3384322	213.345 ng/ml
10) Aroclor 1221 (2)	5.375	56239	5.274 ng/ml
11) Aroclor 1221 (3)	5.467	29608	0.870 ng/ml
12) Aroclor 1221 (4)	5.918	29117	4.976 ng/ml
13) Aroclor 1221 (5)	6.234	38533	6.010 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.438	68705	2.417 ng/ml
16) Aroclor 1232 (2)	6.234	38533	1.143 ng/ml
17) Aroclor 1232 (3)	6.313	30738	1.472 ng/ml
18) Aroclor 1232 (4)	6.463	23639	1.679 ng/ml
19) Aroclor 1232 (5)	6.699	32870	1.788 ng/ml
20) Aroclor 1232 (6)	6.824	34004	2.342 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.820	26055	0.704 ng/ml
23) Aroclor 1242 (2)	6.234	38533	0.605 ng/ml
24) Aroclor 1242 (3)	6.313	30738	0.820 ng/ml
25) Aroclor 1242 (4)	6.463	23639	0.791 ng/ml
26) Aroclor 1242 (5)	6.699	32870	0.879 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_54.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 08:46 pm
 Operator :
 Sample : 0I28031-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:33 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.824	34004	1.114 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.217	51270	1.295 ng/ml
30)	Aroclor 1248 (2)	6.463	23639	0.432 ng/ml
31)	Aroclor 1248 (3)	6.696	30905	0.476 ng/ml
32)	Aroclor 1248 (4)	7.004	1354205	19.620 ng/ml
33)	Aroclor 1248 (5)	7.004	1354205	18.299 ng/ml
34)	Aroclor 1248 (6)	7.522	40499	1.042 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.004	1354205	18.605 ng/ml
37)	Aroclor 1254 (2)	7.140	97314	1.193 ng/ml
38)	Aroclor 1254 (3)	7.522	40499	0.343 ng/ml
39)	Aroclor 1254 (4)	7.694	30586	0.402 ng/ml
40)	Aroclor 1254 (5)	8.080	105225	1.341 ng/ml
41)	Aroclor 1254 (6)	8.374	33681	1.306 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.632	40601	0.412 ng/ml
44)	Aroclor 1260 (2)	7.767	35468	0.300 ng/ml
45)	Aroclor 1260 (3)	8.329	47075	0.532 ng/ml
46)	Aroclor 1260 (4)	8.501	151815	0.801 ng/ml
47)	Aroclor 1260 (5)	8.806	72237	0.584 ng/ml
48)	Aroclor 1260 (6)	9.217	31379	0.610 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.767	35468	0.420 ng/ml
51)	Aroclor 1262 (2)	8.114	22282	0.184 ng/ml
52)	Aroclor 1262 (3)	8.329	47075	0.478 ng/ml
53)	Aroclor 1262 (4)	8.501	151815	0.758 ng/ml
54)	Aroclor 1262 (5)	8.806	72237	0.625 ng/ml
55)	Aroclor 1262 (6)	9.217	31379	0.518 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.329	47075	0.861 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
 Data File : ECD9_200928_54.D
 Signal(s) : ECD1A.ch
 Acq On : 28 Sep 2020 08:46 pm
 Operator :
 Sample : 0I28031-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 07:23:33 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.760	95246	0.394 ng/ml
59)	Aroclor 1268 (3)	8.806	72237	0.375 ng/ml
60)	Aroclor 1268 (4)	8.991	2219469	11.948 ng/ml
61)	Aroclor 1268 (5)	9.217	31379	0.456 ng/ml
62)	Aroclor 1268 (6)	9.490	4535844	9.764 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

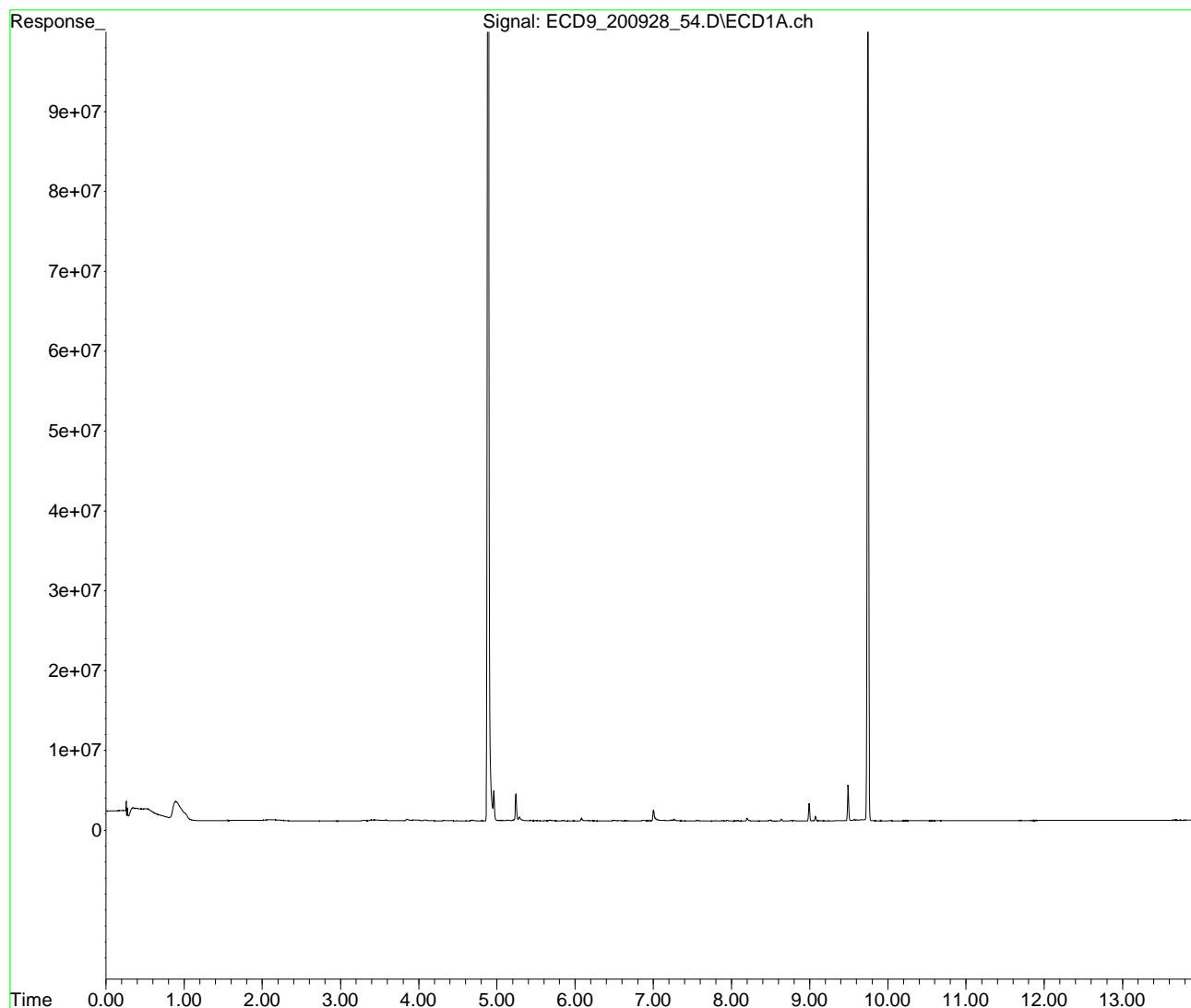
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28031\
Data File : ECD9_200928_54.D
Signal(s) : ECD1A.ch
Acq On : 28 Sep 2020 08:46 pm
Operator :
Sample : 0I28031-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 07:23:33 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Sequence 0128032 (A0I0556-30,31,32,33,34,35,36,37,38)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0128032

Instrument: DUALECD9R

Date: 09/28/20 06:26

Calibration: A01705

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0128032-CCV1	Sediment	QC	QC				A20167
2	0128032-CCB1	Sediment	QC	QC				A201313
3	A010556-30	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
4	0128032-IBL1	Sediment	QC	QC				A20B383
5	A010556-31	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
6	0128032-IBL2	Sediment	QC	QC				
7	A010556-32	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
8	0128032-IBL3	Sediment	QC	QC				
9	A010556-33	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
10	0128032-IBL4	Sediment	QC	QC				
11	A010556-34	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
12	0128032-IBL5	Sediment	QC	QC				
13	A010556-35	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
14	0128032-IBL6	Sediment	QC	QC				
15	0128032-CCV2	Sediment	QC	QC				A20167
16	0128032-CCB2	Sediment	QC	QC				A201313
17	A010556-36	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
18	0128032-IBL7	Sediment	QC	QC				
19	A010556-37	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
20	0128032-IBL8	Sediment	QC	QC				
21	A010556-38	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
22	0128032-IBL9	Sediment	QC	QC				
23	A010556-39	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
24	0128032-IBLA	Sediment	QC	QC				
25	0128032-CCV3	Sediment	QC	QC				A20167
26	0128032-CCB3	Sediment	QC	QC				A201313

Data Entered By/Date: KAK 9/29/2020

Comments:

Data Reviewed By/Date: MKZ 9/30/2020

9/29/2020 1:23:48PM

Page 1 of 1

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.

0I28032-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	446.39
1016 (2)	484.72
1016 (3)	468.94
1016 (4)	458.45
1016 (5)	445.37
1016 (6)	459.57
Average:	460.57 .

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	485.85
1260 (2)	474.49
1260 (3)	496.13
1260 (4)	515.00
1260 (5)	495.45
1260 (6)	470.82
Average:	489.62 .

0I28032-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	468.96
1016 (2)	530.63
1016 (3)	482.58
1016 (4)	467.51
1016 (5)	483.24
1016 (6)	469.12
Average:	483.67 .

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	496.11
1260 (2)	528.46
1260 (3)	505.10
1260 (4)	538.41
1260 (5)	523.87
1260 (6)	496.91
Average:	514.81 .

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.

0128032-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	476.65
1016 (2)	543.49
1016 (3)	510.15
1016 (4)	485.92
1016 (5)	484.81
1016 (6)	490.10
Average:	498.52 .

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	512.07
1260 (2)	518.63
1260 (3)	542.19
1260 (4)	572.75
1260 (5)	543.43
1260 (6)	536.06
Average:	537.52 .

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_03.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:17 pm
 Operator :
 Sample : 0I28032-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

KAK 9/29/2020

Integration File: events.e
 Quant Time: Sep 29 09:40:23 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	401293268	250.962 ng/ml
64) S DCBP (S)	10.861	163366566	230.088 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	25315666	446.388 ng/ml
3) Aroclor 1016 (2)	6.936	44002683	484.716 ng/ml
4) Aroclor 1016 (3)	7.065	20202707	468.940 ng/ml
5) Aroclor 1016 (4)	7.153	21380362	458.453 ng/ml
6) Aroclor 1016 (5)	7.198	22588908	445.368 ng/ml
7) Aroclor 1016 (6)	7.325	22916940	459.573 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.943	1567570	142.485 ng/ml
10) Aroclor 1221 (2)	6.017	3109185	279.954 ng/ml
11) Aroclor 1221 (3)	6.105	14188106	388.190 ng/ml
12) Aroclor 1221 (4)	6.619	15056335	1903.200 ng/ml
13) Aroclor 1221 (5)	6.936	44002683	7316.403 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.105	14188106	465.294 ng/ml
16) Aroclor 1232 (2)	6.444	25315666	1252.973 ng/ml
17) Aroclor 1232 (3)	6.936	44002683	1311.655 ng/ml
18) Aroclor 1232 (4)	7.153	21380362	1533.012 ng/ml
19) Aroclor 1232 (5)	7.198	22588908	1419.866 ng/ml
20) Aroclor 1232 (6)	7.325	22916940	1409.885 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	25315666	674.802 ng/ml
23) Aroclor 1242 (2)	6.936	44002683	731.394 ng/ml
24) Aroclor 1242 (3)	7.065	20202707	695.565 ng/ml
25) Aroclor 1242 (4)	7.153	21380362	749.776 ng/ml
26) Aroclor 1242 (5)	7.198	22588908	683.987 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_03.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:17 pm
 Operator :
 Sample : 0I28032-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:23 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.325	22916940	685.883 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.909	36675125	961.652 ng/ml
30)	Aroclor 1248 (2)	7.153	21380362	392.885 ng/ml
31)	Aroclor 1248 (3)	7.198	22588908	455.308 ng/ml
32)	Aroclor 1248 (4)	7.325	22916940	395.771 ng/ml
33)	Aroclor 1248 (5)	7.693	4698597	64.593 ng/ml
34)	Aroclor 1248 (6)	7.853	18883755	316.543 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.670	17152962	240.987 ng/ml
37)	Aroclor 1254 (2)	7.853	18883755	173.428 ng/ml
38)	Aroclor 1254 (3)	8.167	10225752	91.695 ng/ml
39)	Aroclor 1254 (4)	8.408	6888771	84.253 ng/ml
40)	Aroclor 1254 (5)	8.748	56088187	649.912 ng/ml
41)	Aroclor 1254 (6)	8.968	7844466	325.010 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.306	46706003	485.848 ng/ml
44)	Aroclor 1260 (2)	8.513	54495152	474.486 ng/ml
45)	Aroclor 1260 (3)	8.748	56088187	496.133 ng/ml
46)	Aroclor 1260 (4)	9.252	84599503	514.996 ng/ml
47)	Aroclor 1260 (5)	9.530	48133096	495.450 ng/ml
48)	Aroclor 1260 (6)	10.139	18233827	470.818 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.513	54495152	680.817 ng/ml
51)	Aroclor 1262 (2)	8.818	41220935	361.918 ng/ml
52)	Aroclor 1262 (3)	9.000	39336536	445.305 ng/ml
53)	Aroclor 1262 (4)	9.252	84599503	496.098 ng/ml
54)	Aroclor 1262 (5)	9.530	48133096	457.153 ng/ml
55)	Aroclor 1262 (6)	10.139	18233827	400.660 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.044	3019419	62.420 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_03.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:17 pm
 Operator :
 Sample : 0I28032-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:23 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.530	48133096	254.732 ng/ml
59)	Aroclor 1268 (3)	9.599	18595113	123.068 ng/ml
60)	Aroclor 1268 (4)	9.832	3526050	26.440 ng/ml
61)	Aroclor 1268 (5)	10.139	18233827	367.588 ng/ml
62)	Aroclor 1268 (6)	10.520	9421909	27.485 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

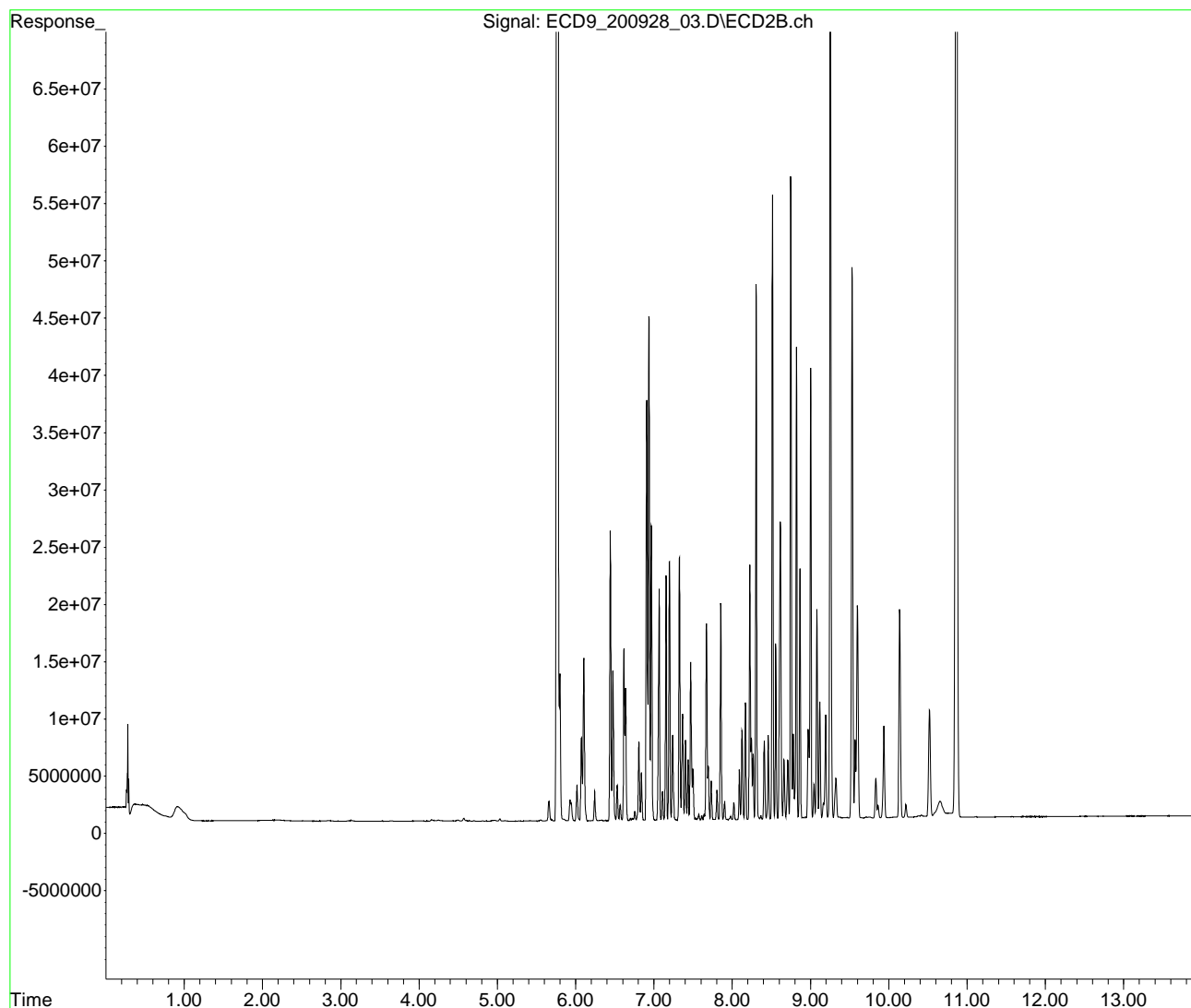
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_03.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 01:17 pm
Operator :
Sample : 0I28032-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:23 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_05.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:35 pm
 Operator :
 Sample : 0I28032-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: events.e
 Quant Time: Sep 29 09:40:28 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	166233598	103.959 ng/ml
64) S DCBP (S)	10.860	67891844	95.620 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.435	12928	0.228 ng/ml
3) Aroclor 1016 (2)	6.953	21156	0.233 ng/ml
4) Aroclor 1016 (3)	7.073	28475	0.661 ng/ml
5) Aroclor 1016 (4)	7.156	24342	0.522 ng/ml
6) Aroclor 1016 (5)	7.188	23645	0.466 ng/ml
7) Aroclor 1016 (6)	7.331	12013	0.241 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.959	30977	2.816 ng/ml
10) Aroclor 1221 (2)	6.014	15222	1.371 ng/ml
11) Aroclor 1221 (3)	6.076	3324913	90.970 ng/ml
12) Aroclor 1221 (4)	6.625	11625	1.469 ng/ml
13) Aroclor 1221 (5)	6.953	21156	3.518 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.076	3324913	109.039 ng/ml
16) Aroclor 1232 (2)	6.435	12928	0.640 ng/ml
17) Aroclor 1232 (3)	6.953	21156	0.631 ng/ml
18) Aroclor 1232 (4)	7.156	24342	1.745 ng/ml
19) Aroclor 1232 (5)	7.188	23645	1.486 ng/ml
20) Aroclor 1232 (6)	7.331	12013	0.739 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.435	12928	0.345 ng/ml
23) Aroclor 1242 (2)	6.953	21156	0.352 ng/ml
24) Aroclor 1242 (3)	7.073	28475	0.980 ng/ml
25) Aroclor 1242 (4)	7.156	24342	0.854 ng/ml
26) Aroclor 1242 (5)	7.188	23645	0.716 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_05.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:35 pm
 Operator :
 Sample : 0I28032-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:28 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.331	12013	0.360 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.917	60490	1.586 ng/ml
30)	Aroclor 1248 (2)	7.156	24342	0.447 ng/ml
31)	Aroclor 1248 (3)	7.188	23645	0.477 ng/ml
32)	Aroclor 1248 (4)	7.331	12013	0.207 ng/ml
33)	Aroclor 1248 (5)	7.668	821243	11.290 ng/ml
34)	Aroclor 1248 (6)	7.850	33363	0.559 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.668	821243	11.538 ng/ml
37)	Aroclor 1254 (2)	7.860	33884	0.311 ng/ml
38)	Aroclor 1254 (3)	8.170	19963	0.179 ng/ml
39)	Aroclor 1254 (4)	8.418	165357	2.022 ng/ml
40)	Aroclor 1254 (5)	8.746	30021	0.348 ng/ml
41)	Aroclor 1254 (6)	9.000	372450	15.431 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.309	15811	0.164 ng/ml
44)	Aroclor 1260 (2)	8.516	17159	0.149 ng/ml
45)	Aroclor 1260 (3)	8.746	30021	0.266 ng/ml
46)	Aroclor 1260 (4)	9.251	29721	0.181 ng/ml
47)	Aroclor 1260 (5)	9.532	42941	0.442 ng/ml
48)	Aroclor 1260 (6)	10.151	37699	0.973 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.516	17159	0.214 ng/ml
51)	Aroclor 1262 (2)	8.818	34537	0.303 ng/ml
52)	Aroclor 1262 (3)	9.000	372450	4.216 ng/ml
53)	Aroclor 1262 (4)	9.251	29721	0.174 ng/ml
54)	Aroclor 1262 (5)	9.532	42941	0.408 ng/ml
55)	Aroclor 1262 (6)	10.151	37699	0.828 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.000f	372450	7.700 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_05.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:35 pm
 Operator :
 Sample : 0I28032-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:28 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.532	42941	0.227 ng/ml
59)	Aroclor 1268 (3)	9.599	31700	0.210 ng/ml
60)	Aroclor 1268 (4)	9.832	1406738	10.548 ng/ml
61)	Aroclor 1268 (5)	10.151	37699	0.760 ng/ml
62)	Aroclor 1268 (6)	10.518	2738656	7.989 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

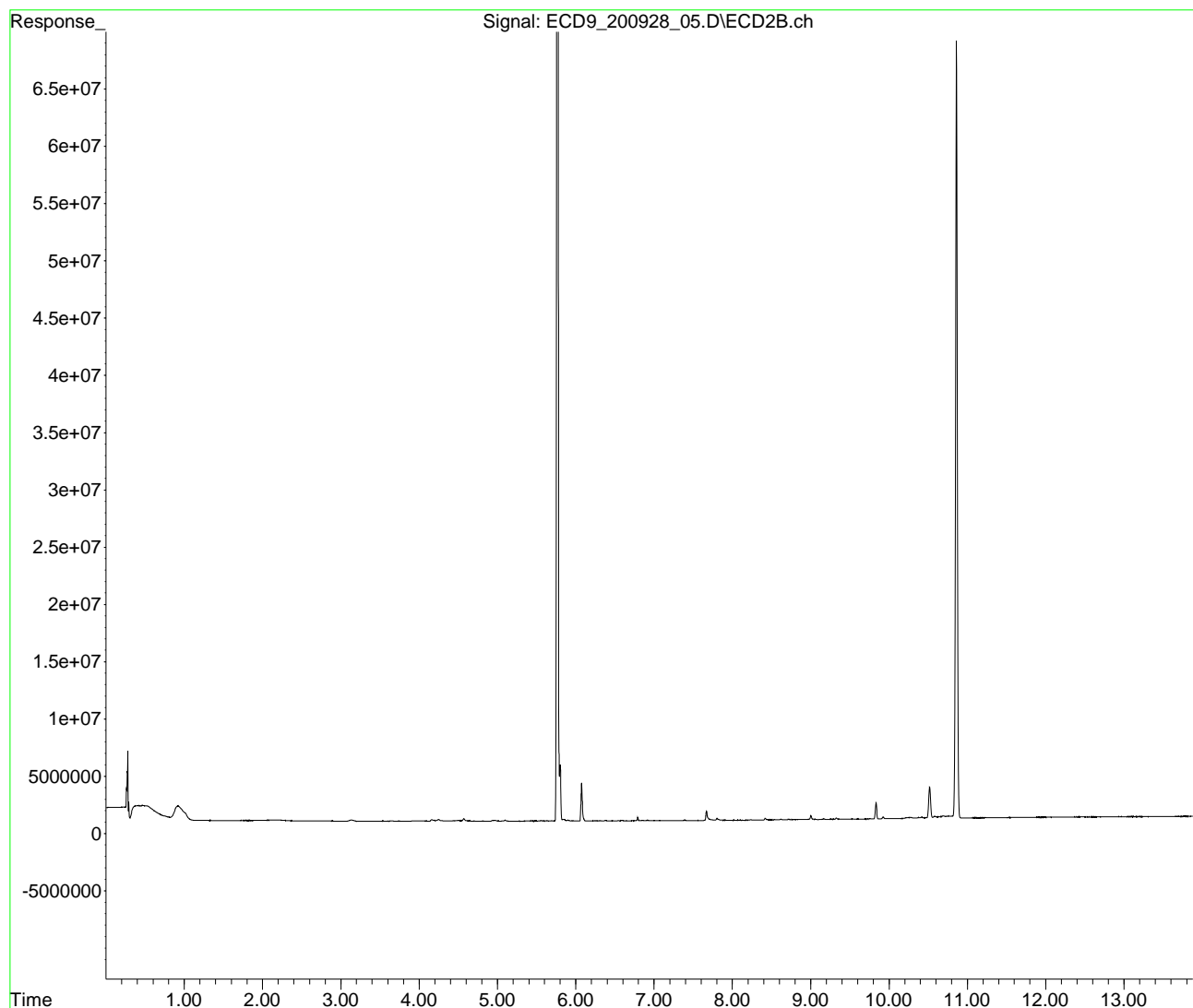
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_05.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 01:35 pm
Operator :
Sample : 0I28032-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:28 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_07.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:55 pm
 Operator :
 Sample : A0I0556-30
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

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1254 P-12
 1260 (J)

Integration File: events.e
 Quant Time: Sep 29 09:40:33 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	440812490	275.676 ng/ml
64) S DCBP (S)	10.863	212458442	299.229 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	238169	4.200 ng/ml
3) Aroclor 1016 (2)	6.935	682988	7.524 ng/ml
4) Aroclor 1016 (3)	7.071	433675	10.066 ng/ml
5) Aroclor 1016 (4)	7.153	1452001	31.135 ng/ml
6) Aroclor 1016 (5)	7.199	1231427	24.279 ng/ml
7) Aroclor 1016 (6)	7.324	855082	17.148 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.951	99355	9.031 ng/ml
10) Aroclor 1221 (2)	6.027	45485	4.096 ng/ml
11) Aroclor 1221 (3)	6.075	8447232	231.118 ng/ml
12) Aroclor 1221 (4)	6.618	82971	10.488 ng/ml
13) Aroclor 1221 (5)	6.935	682988	113.562 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.075	8447232	277.024 ng/ml
16) Aroclor 1232 (2)	6.445	238169	11.788 ng/ml
17) Aroclor 1232 (3)	6.935	682988	20.359 ng/ml
18) Aroclor 1232 (4)	7.153	1452001	104.111 ng/ml
19) Aroclor 1232 (5)	7.199	1231427	77.404 ng/ml
20) Aroclor 1232 (6)	7.324	855082	52.606 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.445	238169	6.349 ng/ml
23) Aroclor 1242 (2)	6.935	682988	11.352 ng/ml
24) Aroclor 1242 (3)	7.071	433675	14.931 ng/ml
25) Aroclor 1242 (4)	7.153	1452001	50.919 ng/ml
26) Aroclor 1242 (5)	7.199	1231427	37.287 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_07.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:55 pm
 Operator :
 Sample : A0I0556-30
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:33 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.324	855082	25.592 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.910	453505	11.891 ng/ml	
30) Aroclor 1248 (2)	7.153	1452001	26.682 ng/ml	
31) Aroclor 1248 (3)	7.199	1231427	24.821 ng/ml	
32) Aroclor 1248 (4)	7.324	855082	14.767 ng/ml	
33) Aroclor 1248 (5)	7.695	1399750	19.243 ng/ml	
34) Aroclor 1248 (6)	7.851	3438487	57.638 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.671	3058897	42.975 ng/ml	33.030
37) Aroclor 1254 (2)	7.851	3438487	31.579 ng/ml	
38) Aroclor 1254 (3)	8.155	2995649	26.862 ng/ml	25.339 MI
39) Aroclor 1254 (4)	8.409	1966012	24.045 ng/ml	
40) Aroclor 1254 (5)	8.748	3683616	42.683 ng/ml	
41) Aroclor 1254 (6)	8.982	761744	31.560 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.306	2934480	30.525 ng/ml	
44) Aroclor 1260 (2)	8.515	4009900	34.914 ng/ml	
45) Aroclor 1260 (3)	8.748	3683616	32.584 ng/ml	
46) Aroclor 1260 (4)	9.254	2583751	15.728 ng/ml	
47) Aroclor 1260 (5)	9.531	1681134	17.304 ng/ml	16.328
48) Aroclor 1260 (6)	10.141	617841	15.953 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.515	4009900	50.096 ng/ml	
51) Aroclor 1262 (2)	8.819	1712499	15.036 ng/ml	
52) Aroclor 1262 (3)	9.000	1500765	16.989 ng/ml	
53) Aroclor 1262 (4)	9.254	2583751	15.151 ng/ml	
54) Aroclor 1262 (5)	9.531	1681134	15.967 ng/ml	
55) Aroclor 1262 (6)	10.141	617841	13.576 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.046	298158	6.164 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_07.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 01:55 pm
 Operator :
 Sample : A0I0556-30
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:33 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.531	1681134	8.897 ng/ml
59)	Aroclor 1268 (3)	9.601	749232	4.959 ng/ml
60)	Aroclor 1268 (4)	9.834	3275208	24.559 ng/ml
61)	Aroclor 1268 (5)	10.141	617841	12.455 ng/ml
62)	Aroclor 1268 (6)	10.522	8652744	25.242 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

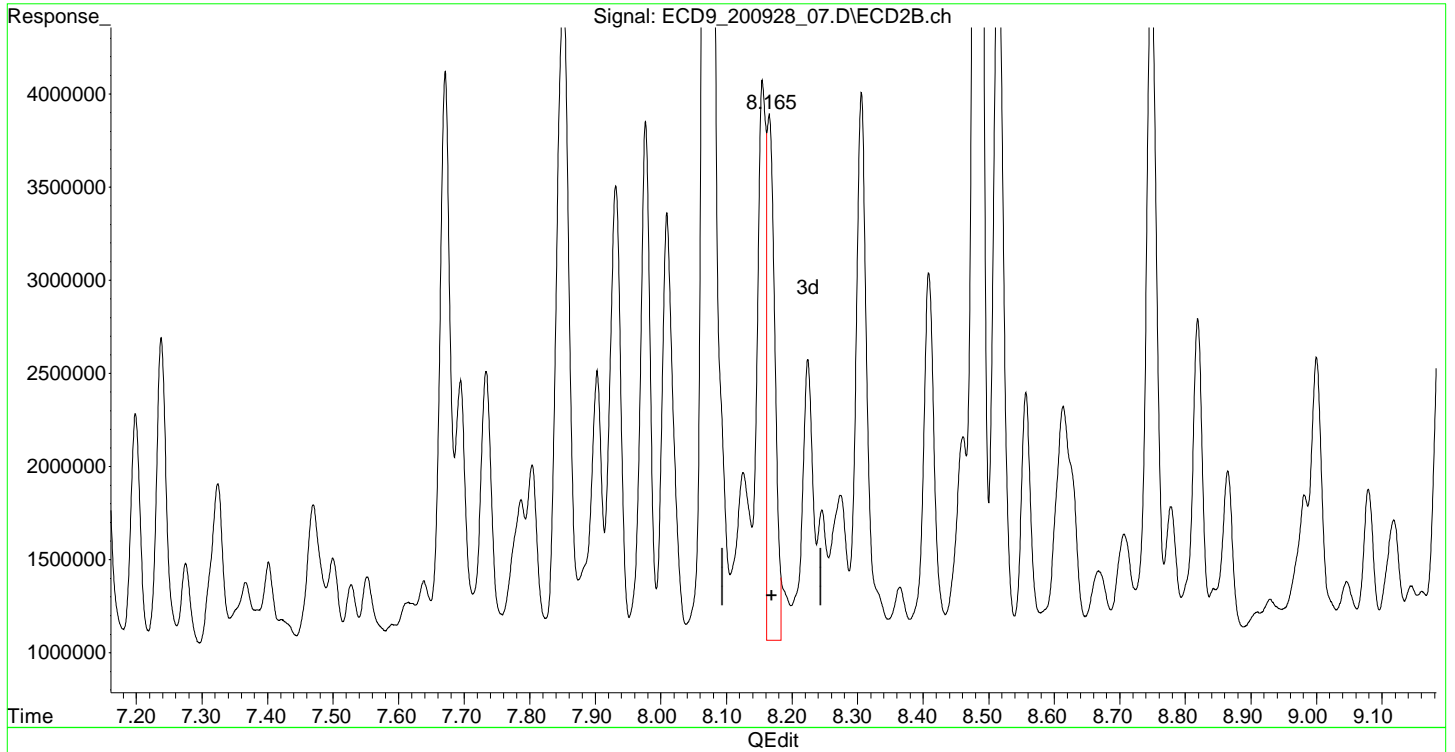
(m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_07.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 01:55 pm
Operator :
Sample : A0I0556-30
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:33 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(38) Aroclor 1254 (3)
8.165min 25.339 ng/ml m
response 2825737

KAK 9/29/2020

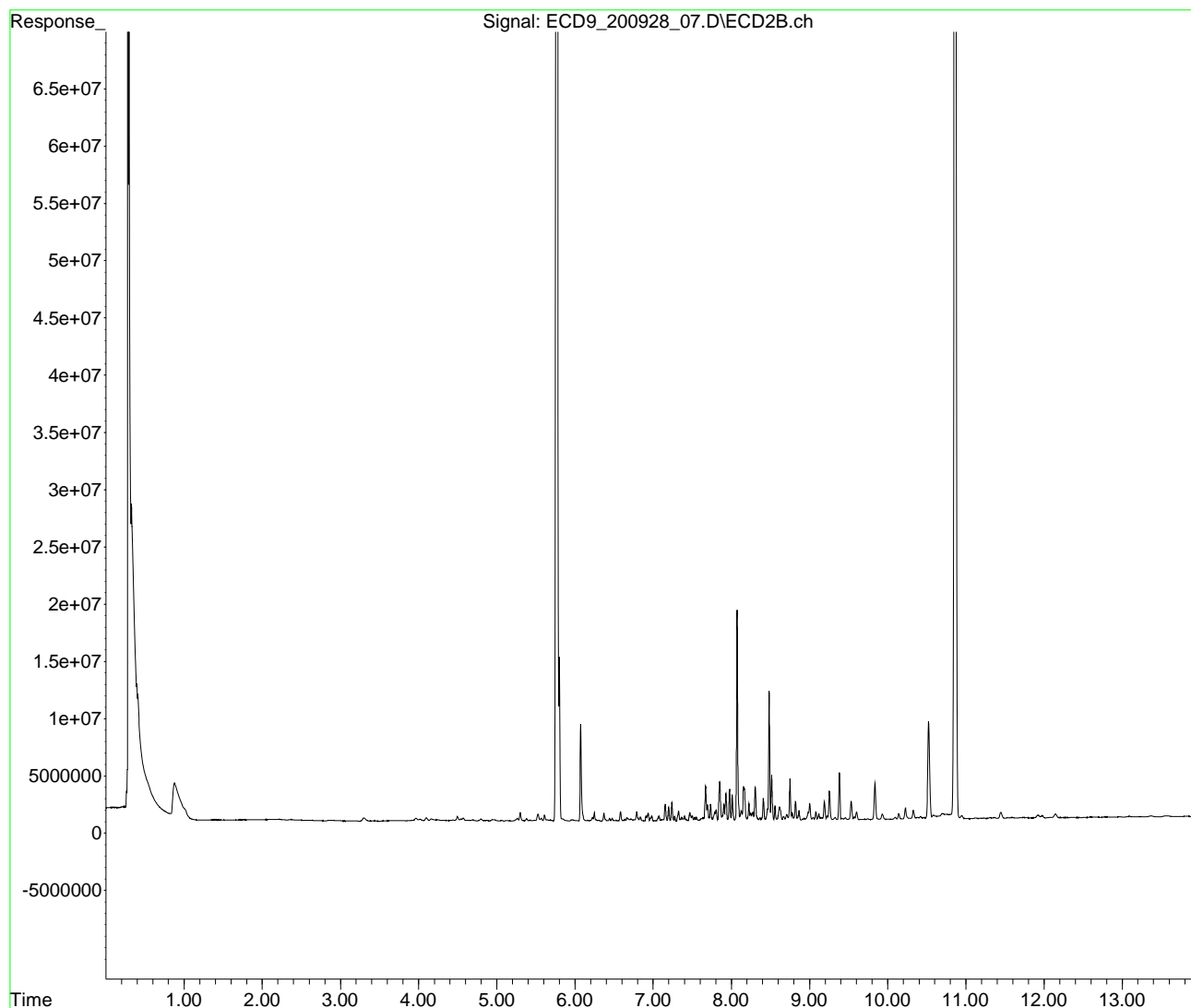
(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_07.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 01:55 pm
Operator :
Sample : A0I0556-30
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:33 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_11.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 02:31 pm
 Operator :
 Sample : A0I0556-31
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 9/29/2020

1254 P-12
 1260 (J)

Integration File: events.e
 Quant Time: Sep 29 09:40:38 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	486848515	304.466 ng/ml
64) S DCBP (S)	10.860	215271239	303.191 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	313167	5.522 ng/ml
3) Aroclor 1016 (2)	6.935	773004	8.515 ng/ml
4) Aroclor 1016 (3)	7.068	407768	9.465 ng/ml
5) Aroclor 1016 (4)	7.152	1612459	34.575 ng/ml
6) Aroclor 1016 (5)	7.198	1361278	26.839 ng/ml
7) Aroclor 1016 (6)	7.324	1025003	20.555 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.968	276869	25.166 ng/ml
10) Aroclor 1221 (2)	6.034	38343	3.452 ng/ml
11) Aroclor 1221 (3)	6.074	8883681	243.060 ng/ml
12) Aroclor 1221 (4)	6.618	142890	18.062 ng/ml
13) Aroclor 1221 (5)	6.935	773004	128.529 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.074	8883681	291.337 ng/ml
16) Aroclor 1232 (2)	6.444	313167	15.500 ng/ml
17) Aroclor 1232 (3)	6.935	773004	23.042 ng/ml
18) Aroclor 1232 (4)	7.152	1612459	115.616 ng/ml
19) Aroclor 1232 (5)	7.198	1361278	85.566 ng/ml
20) Aroclor 1232 (6)	7.324	1025003	63.060 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	313167	8.348 ng/ml
23) Aroclor 1242 (2)	6.935	773004	12.849 ng/ml
24) Aroclor 1242 (3)	7.068	407768	14.039 ng/ml
25) Aroclor 1242 (4)	7.152	1612459	56.546 ng/ml
26) Aroclor 1242 (5)	7.198	1361278	41.219 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_11.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 02:31 pm
 Operator :
 Sample : A0I0556-31
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:38 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.324	1025003	30.677 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.909	606577	15.905 ng/ml	
30) Aroclor 1248 (2)	7.152	1612459	29.630 ng/ml	
31) Aroclor 1248 (3)	7.198	1361278	27.438 ng/ml	
32) Aroclor 1248 (4)	7.324	1025003	17.702 ng/ml	
33) Aroclor 1248 (5)	7.693	1450980	19.947 ng/ml	
34) Aroclor 1248 (6)	7.846	4912283	82.343 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.670	3034741	42.636 ng/ml	
37) Aroclor 1254 (2)	7.846	4912283	45.114 ng/ml	
38) Aroclor 1254 (3)	8.153	10620702	95.237 ng/ml	
39) Aroclor 1254 (4)	8.407	1893196	23.155 ng/ml	35.941
40) Aroclor 1254 (5)	8.747	3480618	40.331 ng/ml	
41) Aroclor 1254 (6)	8.980	687137	28.469 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.305	3407801	35.449 ng/ml	
44) Aroclor 1260 (2)	8.513	4123888	35.906 ng/ml	
45) Aroclor 1260 (3)	8.747	3480618	30.788 ng/ml	
46) Aroclor 1260 (4)	9.252	2305425	14.034 ng/ml	
47) Aroclor 1260 (5)	9.529	1476978	15.203 ng/ml	14.133
48) Aroclor 1260 (6)	10.138	509775	13.163 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.513	4123888	51.520 ng/ml	
51) Aroclor 1262 (2)	8.817	1554407	13.648 ng/ml	
52) Aroclor 1262 (3)	8.998	1342086	15.193 ng/ml	
53) Aroclor 1262 (4)	9.252	2305425	13.519 ng/ml	
54) Aroclor 1262 (5)	9.529	1476978	14.028 ng/ml	
55) Aroclor 1262 (6)	10.138	509775	11.202 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.044	227500	4.703 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_11.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 02:31 pm
 Operator :
 Sample : A0I0556-31
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:38 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.529	1476978	7.817 ng/ml
59)	Aroclor 1268 (3)	9.598	626927	4.149 ng/ml
60)	Aroclor 1268 (4)	9.832	3415343	25.610 ng/ml
61)	Aroclor 1268 (5)	10.138	509775	10.277 ng/ml
62)	Aroclor 1268 (6)	10.519	8108986	23.655 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

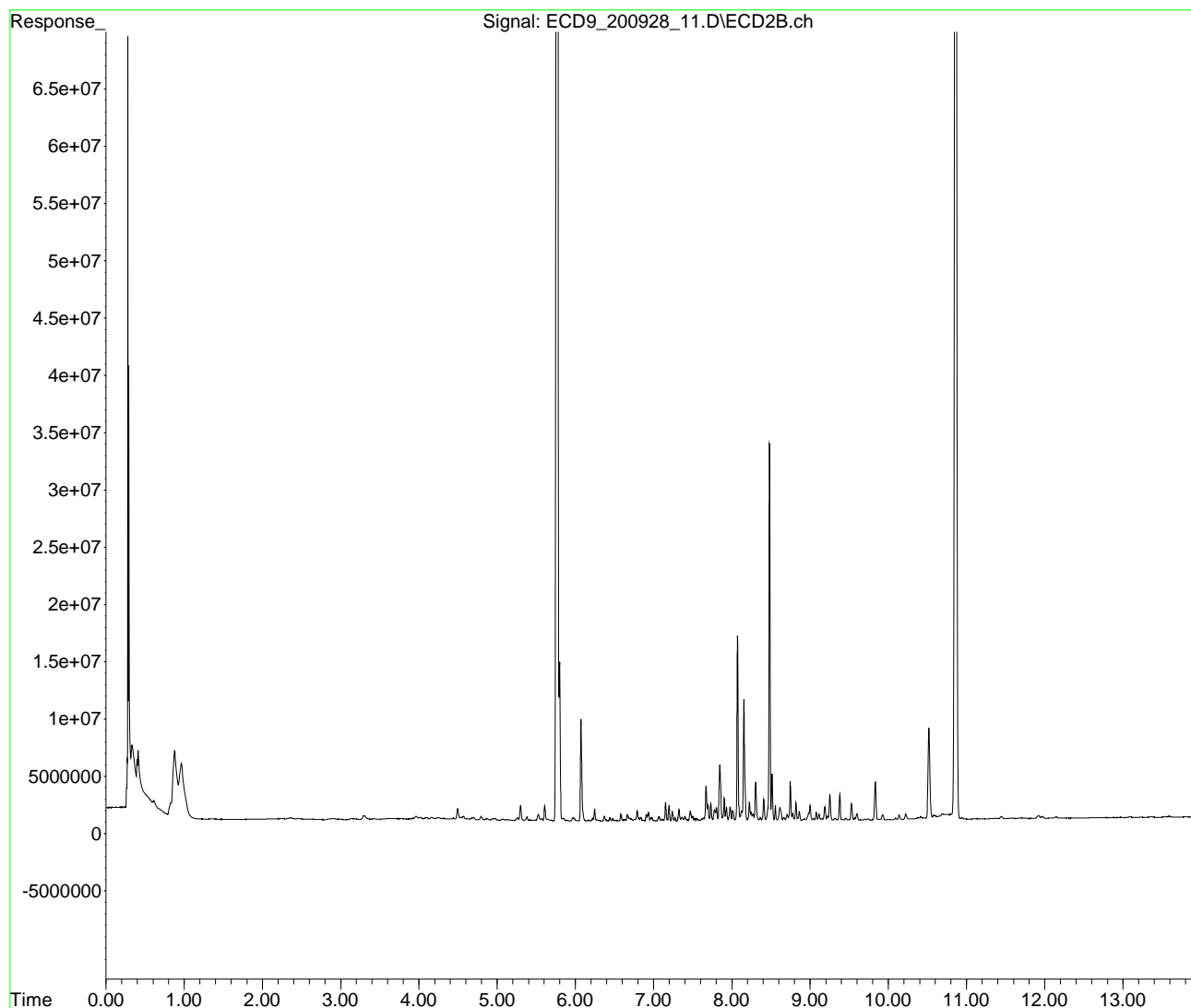
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_11.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 02:31 pm
Operator :
Sample : A0I0556-31
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:38 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_15.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : A0I0556-32
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 9/29/2020

1260

Estimated due to
matrix interference

Integration File: events.e
 Quant Time: Sep 29 11:13:59 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.765	501294323	313.500 ng/ml	
64) S DCBP (S)	10.861	221983485	312.645 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	6.444	442820	7.808 ng/ml	
3) Aroclor 1016 (2)	6.936	4887728	53.841 ng/ml	
4) Aroclor 1016 (3)	7.066	539821	12.530 ng/ml	MDL=MRL
5) Aroclor 1016 (4)	7.152	3101916	66.513 ng/ml	
6) Aroclor 1016 (5)	7.198	6372915	125.650 ng/ml	
7) Aroclor 1016 (6)	7.324	1673375	33.558 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.931	59507	5.409 ng/ml	
10) Aroclor 1221 (2)	6.032	59779	5.383 ng/ml	
11) Aroclor 1221 (3)	6.104	546261	14.946 ng/mlm	
12) Aroclor 1221 (4)	6.639	2051149	259.276 ng/ml	
13) Aroclor 1221 (5)	6.936	4887728	812.691 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	6.103	580492	19.037 ng/mlm	
16) Aroclor 1232 (2)	6.444	442820	21.917 ng/ml	
17) Aroclor 1232 (3)	6.936	4887728	145.696 ng/ml	R-02
18) Aroclor 1232 (4)	7.152	3101916	222.413 ng/ml	
19) Aroclor 1232 (5)	7.198	6372915	400.581 ng/ml	
20) Aroclor 1232 (6)	7.324	1673375	102.949 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	6.444	442820	11.804 ng/ml	
23) Aroclor 1242 (2)	6.936	4887728	81.242 ng/ml	
24) Aroclor 1242 (3)	7.066	539821	18.586 ng/ml	MDL=MRL
25) Aroclor 1242 (4)	7.152	3101916	108.779 ng/ml	
26) Aroclor 1242 (5)	7.198	6372915	192.971 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_15.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : A0I0556-32
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 11:13:59 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.324	1673375	50.083	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.910	1550955	40.667	ng/ml	
30)	Aroclor 1248 (2)	7.152	3101916	57.001	ng/ml	
31)	Aroclor 1248 (3)	7.198	6372915	128.454	ng/ml	R-02
32)	Aroclor 1248 (4)	7.324	1673375	28.899	ng/ml	
33)	Aroclor 1248 (5)	7.693	2513352	34.552	ng/ml	
34)	Aroclor 1248 (6)	7.845	6947489	116.459	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.671	3999429	56.189	ng/ml	
37)	Aroclor 1254 (2)	7.845	6947489	63.806	ng/ml	
38)	Aroclor 1254 (3)	8.154	8045678	72.146	ng/ml	R-02
39)	Aroclor 1254 (4)	8.406	5726700	70.041	ng/ml	
40)	Aroclor 1254 (5)	8.744	14549065	168.585	ng/mlm	
41)	Aroclor 1254 (6)	8.979	851155	35.265	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.305	3346904	34.815	ng/ml	
44)	Aroclor 1260 (2)	8.513	4522632	39.378	ng/ml	
45)	Aroclor 1260 (3)	8.746	8174994	72.313	ng/mlm	
46)	Aroclor 1260 (4)	9.252	3273535	19.928	ng/ml	
47)	Aroclor 1260 (5)	9.530	2120403	21.826	ng/ml	20.550
48)	Aroclor 1260 (6)	10.139	770480	19.895	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.513	4522632	56.502	ng/ml	
51)	Aroclor 1262 (2)	8.817	1982134	17.403	ng/ml	
52)	Aroclor 1262 (3)	8.999	1726682	19.547	ng/ml	
53)	Aroclor 1262 (4)	9.252	3273535	19.196	ng/ml	
54)	Aroclor 1262 (5)	9.530	2120403	20.139	ng/ml	
55)	Aroclor 1262 (6)	10.139	770480	16.930	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	9.044	330431	6.831	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_15.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : A0I0556-32
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 11:13:59 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.530	2120403	11.222 ng/ml
59)	Aroclor 1268 (3)	9.599	989550	6.549 ng/ml
60)	Aroclor 1268 (4)	9.832	3450529	25.874 ng/ml
61)	Aroclor 1268 (5)	10.139	770480	15.533 ng/ml
62)	Aroclor 1268 (6)	10.521	8601142	25.091 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

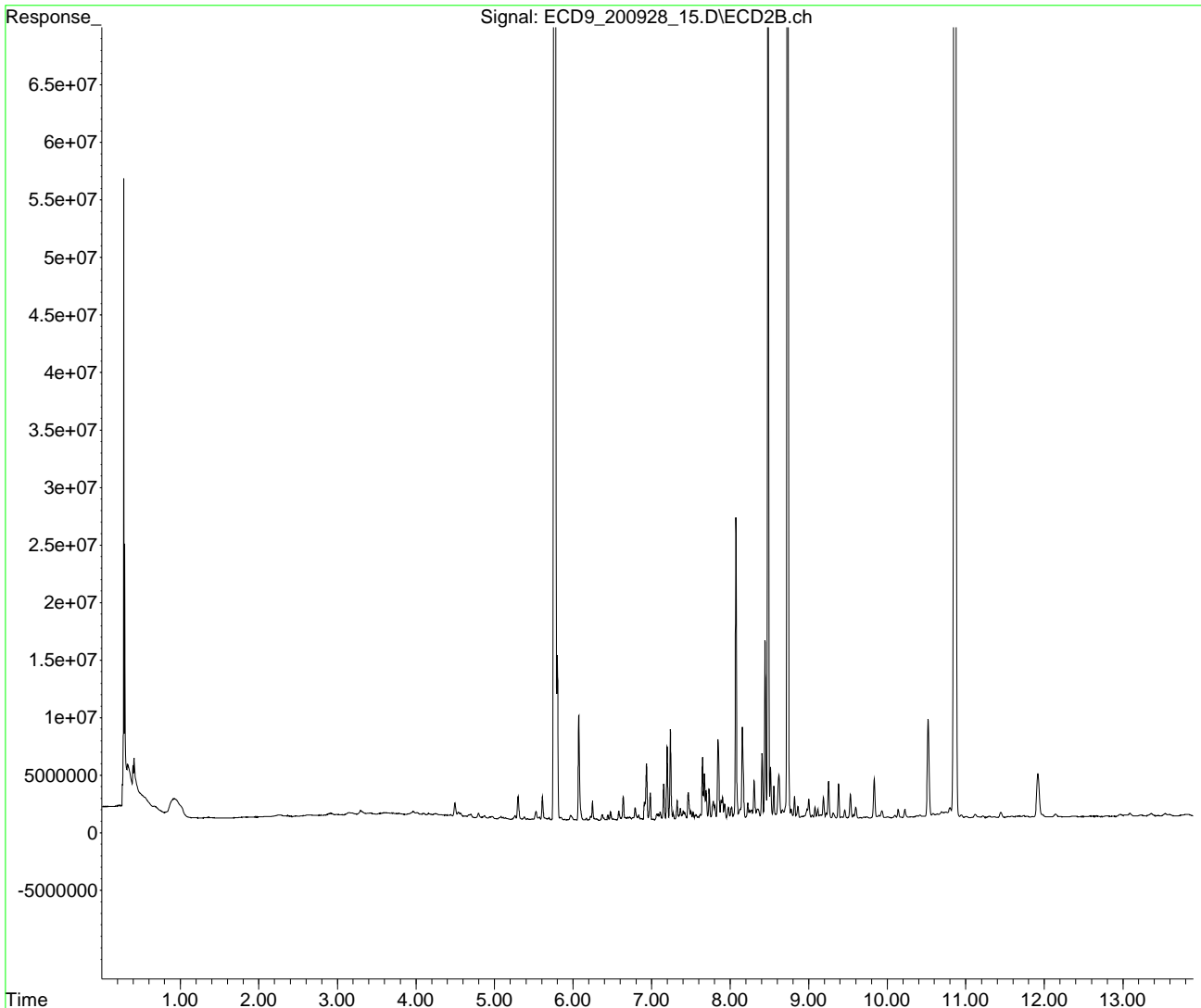
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_15.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 03:07 pm
Operator :
Sample : A0I0556-32
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 11:13:59 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

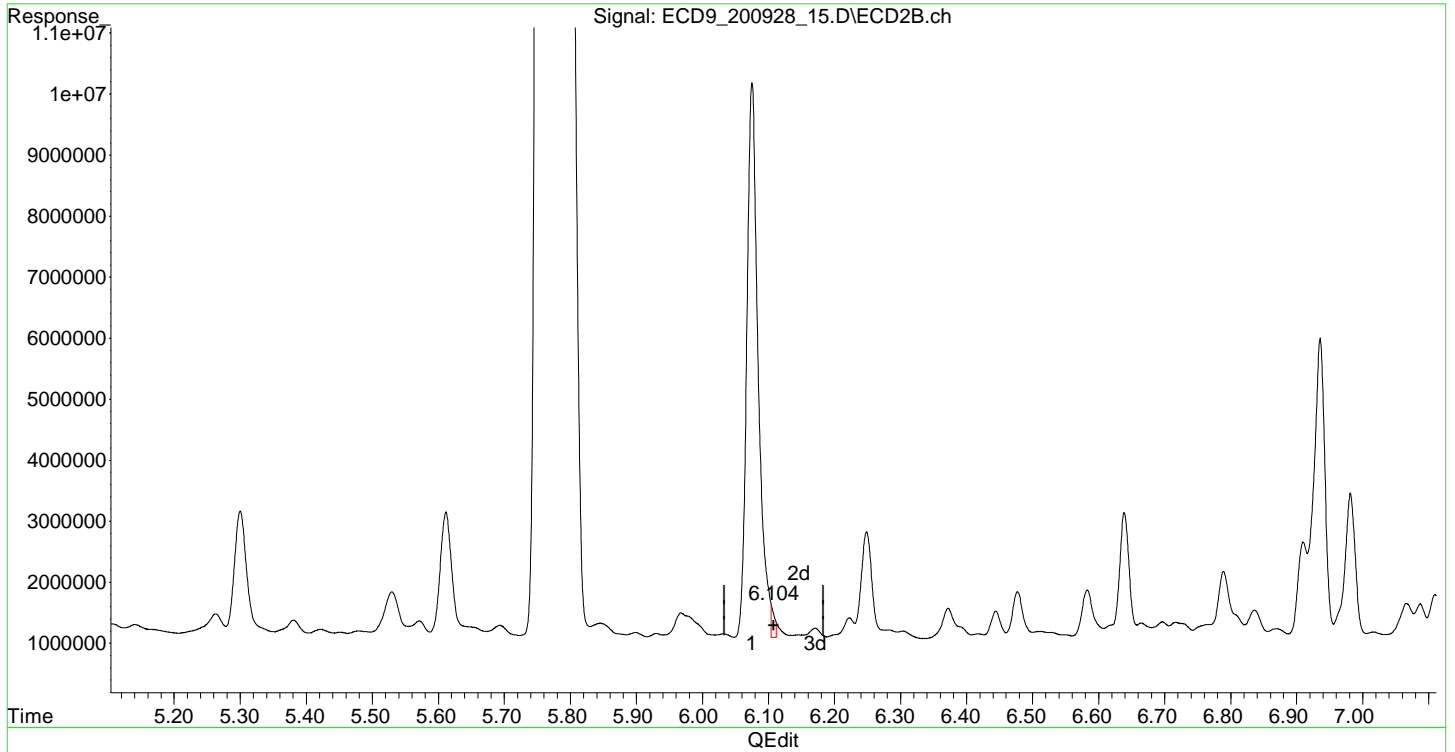


Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_15.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 03:07 pm
Operator :
Sample : A0I0556-32
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:43 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



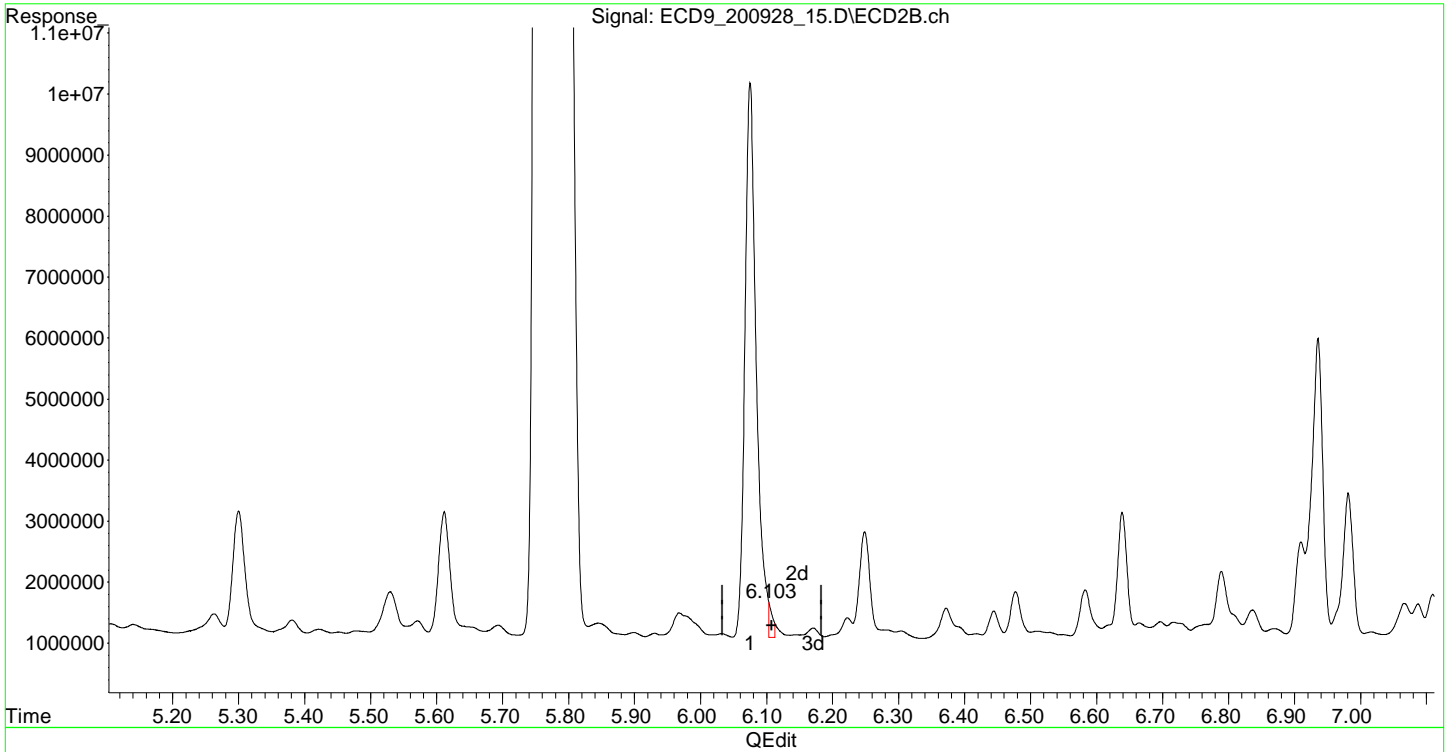
(11) Aroclor 1221 (3)
6.104min 14.946 ng/ml m *KAK 9/29/2020*
response 546261

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_15.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 03:07 pm
Operator :
Sample : A0I0556-32
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:43 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



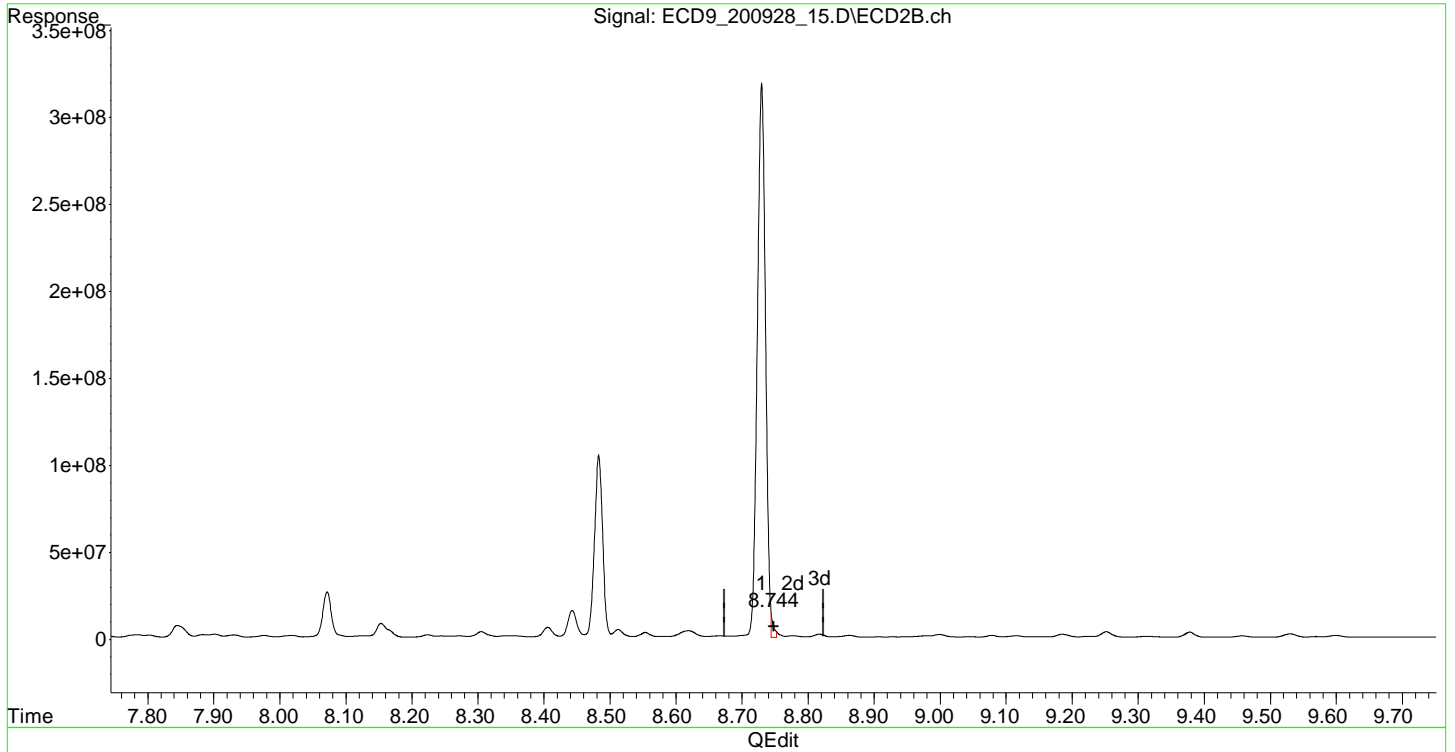
(15) Aroclor 1232 (1)
6.103min 19.037 ng/ml m *KAK 9/29/2020*
response 580492

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_15.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 03:07 pm
Operator :
Sample : A0I0556-32
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:43 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(40) Aroclor 1254 (5)

8.744min 168.585 ng/ml m *KAK 9/29/2020*

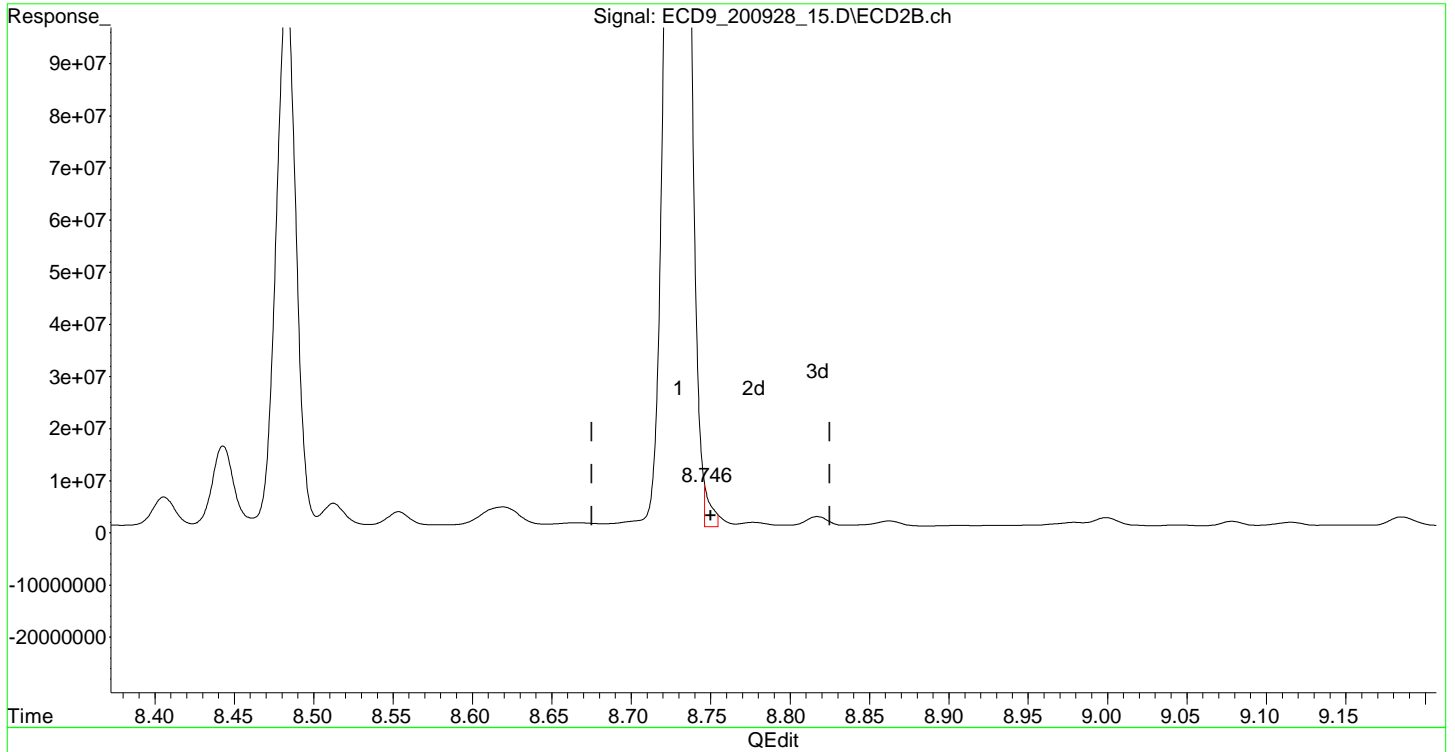
response 14549065

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_15.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 03:07 pm
Operator :
Sample : A0I0556-32
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:43 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(45) Aroclor 1260 (3)
8.746min 72.313 ng/ml m
response 8174994

KAK 9/29/2020

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_15.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : A0I0556-32
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 9/29/2020

MI

Integration File: events.e
 Quant Time: Sep 29 09:40:43 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.765	501294323	313.500 ng/ml
64) S DCBP (S)	10.861	221983485	312.645 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	442820	7.808 ng/ml
3) Aroclor 1016 (2)	6.936	4887728	53.841 ng/ml
4) Aroclor 1016 (3)	7.066	539821	12.530 ng/ml
5) Aroclor 1016 (4)	7.152	3101916	66.513 ng/ml
6) Aroclor 1016 (5)	7.198	6372915	125.650 ng/ml
7) Aroclor 1016 (6)	7.324	1673375	33.558 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.931	59507	5.409 ng/ml
10) Aroclor 1221 (2)	6.032	59779	5.383 ng/ml
11) Aroclor 1221 (3)	6.075	9085159	248.572 ng/ml
12) Aroclor 1221 (4)	6.639	2051149	259.276 ng/ml
13) Aroclor 1221 (5)	6.936	4887728	812.691 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.075	9085159	297.945 ng/ml
16) Aroclor 1232 (2)	6.444	442820	21.917 ng/ml
17) Aroclor 1232 (3)	6.936	4887728	145.696 ng/ml
18) Aroclor 1232 (4)	7.152	3101916	222.413 ng/ml
19) Aroclor 1232 (5)	7.198	6372915	400.581 ng/ml
20) Aroclor 1232 (6)	7.324	1673375	102.949 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	442820	11.804 ng/ml
23) Aroclor 1242 (2)	6.936	4887728	81.242 ng/ml
24) Aroclor 1242 (3)	7.066	539821	18.586 ng/ml
25) Aroclor 1242 (4)	7.152	3101916	108.779 ng/ml
26) Aroclor 1242 (5)	7.198	6372915	192.971 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_15.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : A0I0556-32
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:43 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	7.324	1673375	50.083 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.910	1550955	40.667 ng/ml
30) Aroclor 1248 (2)	7.152	3101916	57.001 ng/ml
31) Aroclor 1248 (3)	7.198	6372915	128.454 ng/ml
32) Aroclor 1248 (4)	7.324	1673375	28.899 ng/ml
33) Aroclor 1248 (5)	7.693	2513352	34.552 ng/ml
34) Aroclor 1248 (6)	7.845	6947489	116.459 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.671	3999429	56.189 ng/ml
37) Aroclor 1254 (2)	7.845	6947489	63.806 ng/ml
38) Aroclor 1254 (3)	8.154	8045678	72.146 ng/ml
39) Aroclor 1254 (4)	8.406	5726700	70.041 ng/ml
40) Aroclor 1254 (5)	8.730	318741947	3693.367 ng/ml
41) Aroclor 1254 (6)	8.979	851155	35.265 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	3346904	34.815 ng/ml
44) Aroclor 1260 (2)	8.513	4522632	39.378 ng/ml
45) Aroclor 1260 (3)	8.730	318741947	2819.457 ng/ml
46) Aroclor 1260 (4)	9.252	3273535	19.928 ng/ml
47) Aroclor 1260 (5)	9.530	2120403	21.826 ng/ml
48) Aroclor 1260 (6)	10.139	770480	19.895 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.513	4522632	56.502 ng/ml
51) Aroclor 1262 (2)	8.817	1982134	17.403 ng/ml
52) Aroclor 1262 (3)	8.999	1726682	19.547 ng/ml
53) Aroclor 1262 (4)	9.252	3273535	19.196 ng/ml
54) Aroclor 1262 (5)	9.530	2120403	20.139 ng/ml
55) Aroclor 1262 (6)	10.139	770480	16.930 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.044	330431	6.831 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_15.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:07 pm
 Operator :
 Sample : A0I0556-32
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:43 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.530	2120403	11.222 ng/ml
59)	Aroclor 1268 (3)	9.599	989550	6.549 ng/ml
60)	Aroclor 1268 (4)	9.832	3450529	25.874 ng/ml
61)	Aroclor 1268 (5)	10.139	770480	15.533 ng/ml
62)	Aroclor 1268 (6)	10.521	8601142	25.091 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

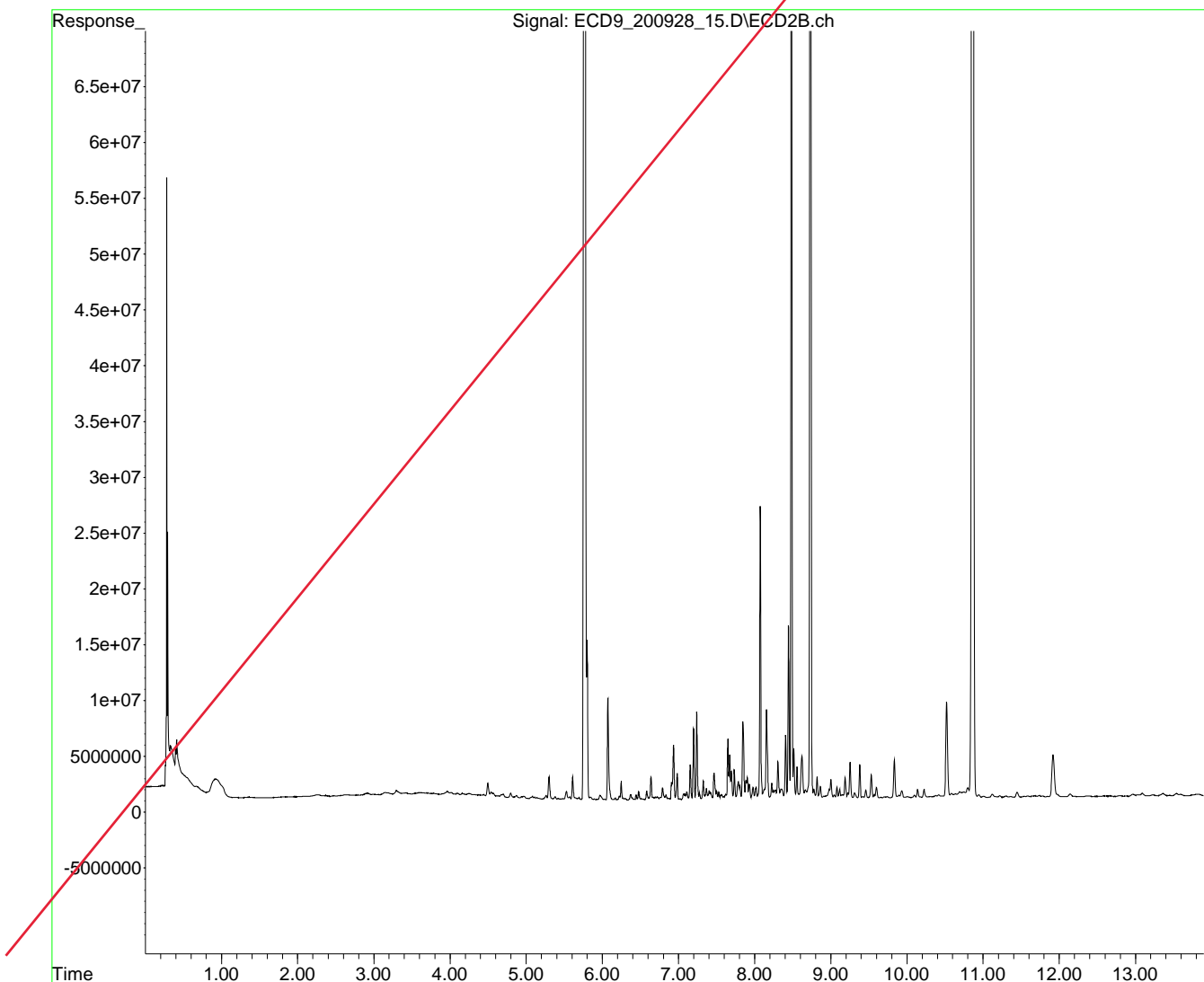
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_15.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 03:07 pm
Operator :
Sample : A0I0556-32
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:43 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_19.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:42 pm
 Operator :
 Sample : A0I0556-33
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

KAK 9/29/2020

1242 (J)
 1254 P-12
 1260 (J)

Integration File: events.e
 Quant Time: Sep 29 09:40:48 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.765	594820083	371.990 ng/ml	
64) S DCBP (S)	10.861	286923414	404.107 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	6.445	252694	4.456 ng/ml	
3) Aroclor 1016 (2)	6.937	853149	9.398 ng/ml	
4) Aroclor 1016 (3)	7.068	425794	9.883 ng/ml	
5) Aroclor 1016 (4)	7.153	1435559	30.782 ng/ml	
6) Aroclor 1016 (5)	7.199	1297018	25.572 ng/ml	
7) Aroclor 1016 (6)	7.324	1120499	22.470 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.931	72786	6.616 ng/ml	
10) Aroclor 1221 (2)	6.015	22520	2.028 ng/ml	
11) Aroclor 1221 (3)	6.075	10233469	279.990 ng/ml	
12) Aroclor 1221 (4)	6.618	145062	18.337 ng/ml	
13) Aroclor 1221 (5)	6.937	853149	141.855 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	6.075	10233469	335.603 ng/ml	
16) Aroclor 1232 (2)	6.445	252694	12.507 ng/ml	
17) Aroclor 1232 (3)	6.937	853149	25.431 ng/ml	
18) Aroclor 1232 (4)	7.153	1435559	102.932 ng/ml	
19) Aroclor 1232 (5)	7.199	1297018	81.526 ng/ml	
20) Aroclor 1232 (6)	7.324	1120499	68.935 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	6.445	252694	6.736 ng/ml	
23) Aroclor 1242 (2)	6.937	853149	14.181 ng/ml	11.859
24) Aroclor 1242 (3)	7.068	425794	14.660 ng/ml	
25) Aroclor 1242 (4)	7.153	1435559	50.343 ng/ml	
26) Aroclor 1242 (5)	7.199	1297018	39.273 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_19.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:42 pm
 Operator :
 Sample : A0I0556-33
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:48 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.324	1120499	33.535 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.909	559197	14.663 ng/ml	
30) Aroclor 1248 (2)	7.153	1435559	26.380 ng/ml	
31) Aroclor 1248 (3)	7.199	1297018	26.143 ng/ml	
32) Aroclor 1248 (4)	7.324	1120499	19.351 ng/ml	
33) Aroclor 1248 (5)	7.693	1716083	23.591 ng/ml	
34) Aroclor 1248 (6)	7.844	11134361	186.642 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.672	2896754	40.697 ng/ml	
37) Aroclor 1254 (2)	7.844	11134361	102.258 ng/ml	
38) Aroclor 1254 (3)	8.153	16870911	151.283 ng/ml	34.908
39) Aroclor 1254 (4)	8.408	2311680	28.273 ng/ml	
40) Aroclor 1254 (5)	8.747	3292718	38.154 ng/ml	
41) Aroclor 1254 (6)	8.981	784561	32.506 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.306	2686014	27.941 ng/ml	
44) Aroclor 1260 (2)	8.513	3576056	31.137 ng/ml	
45) Aroclor 1260 (3)	8.747	3292718	29.126 ng/ml	
46) Aroclor 1260 (4)	9.252	2789328	16.980 ng/ml	
47) Aroclor 1260 (5)	9.530	1925492	19.820 ng/ml	18.842
48) Aroclor 1260 (6)	10.139	763920	19.725 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.513	3576056	44.676 ng/ml	
51) Aroclor 1262 (2)	8.818	1956689	17.180 ng/ml	
52) Aroclor 1262 (3)	8.999	1681130	19.031 ng/ml	
53) Aroclor 1262 (4)	9.252	2789328	16.357 ng/ml	
54) Aroclor 1262 (5)	9.530	1925492	18.288 ng/ml	
55) Aroclor 1262 (6)	10.139	763920	16.786 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.045	325599	6.731 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_19.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 03:42 pm
 Operator :
 Sample : A0I0556-33
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:48 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.530	1925492	10.190 ng/ml
59)	Aroclor 1268 (3)	9.599	888105	5.878 ng/ml
60)	Aroclor 1268 (4)	9.831	4054192	30.400 ng/ml
61)	Aroclor 1268 (5)	10.139	763920	15.400 ng/ml
62)	Aroclor 1268 (6)	10.519	9781934	28.536 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

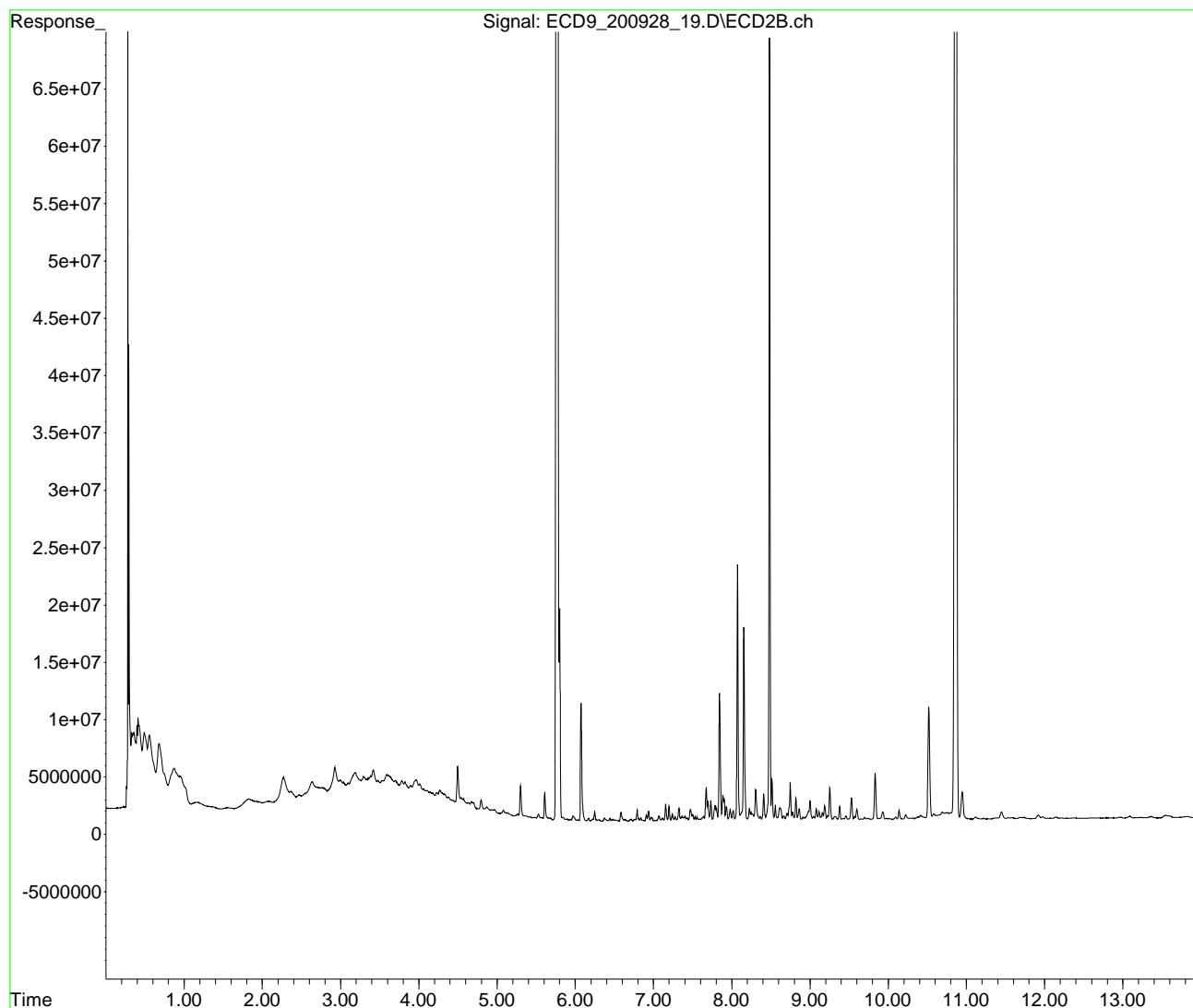
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_19.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 03:42 pm
Operator :
Sample : A0I0556-33
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:48 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_23.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 04:18 pm
 Operator :
 Sample : A0I0556-34
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

KAK 9/29/2020

1242 P-12
 1254 P-12
 1260 P-12

Integration File: events.e
 Quant Time: Sep 29 09:40:53 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	587845589	367.628 ng/ml
64) S DCBP (S)	10.861	262277107	369.395 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	1425332	25.133 ng/ml
3) Aroclor 1016 (2)	6.936	4180618	46.052 ng/ml
4) Aroclor 1016 (3)	7.066	1908459	44.299 ng/ml
5) Aroclor 1016 (4)	7.154	8149130	174.739 ng/ml
6) Aroclor 1016 (5)	7.198	5125440	101.054 ng/ml
7) Aroclor 1016 (6)	7.324	4281039	85.851 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.931	663874	60.343 ng/ml
10) Aroclor 1221 (2)	6.031	334813	30.147 ng/ml
11) Aroclor 1221 (3)	6.076	9380063	256.641 ng/ml
12) Aroclor 1221 (4)	6.620	849085	107.329 ng/ml
13) Aroclor 1221 (5)	6.936	4180618	695.119 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.076	9380063	307.616 ng/ml
16) Aroclor 1232 (2)	6.445	1425332	70.545 ng/ml
17) Aroclor 1232 (3)	6.936	4180618	124.618 ng/ml
18) Aroclor 1232 (4)	7.154	8149130	584.308 ng/ml
19) Aroclor 1232 (5)	7.198	5125440	322.169 ng/ml
20) Aroclor 1232 (6)	7.324	4281039	263.376 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.445	1425332	37.993 ng/ml
23) Aroclor 1242 (2)	6.936	4180618	69.488 ng/ml
24) Aroclor 1242 (3)	7.066	1908459	65.707 ng/ml
25) Aroclor 1242 (4)	7.154	8149130	285.777 ng/ml
26) Aroclor 1242 (5)	7.198	5125440	155.197 ng/ml

57.729

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_23.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 04:18 pm
 Operator :
 Sample : A0I0556-34
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:53 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.324	4281039	128.128	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.909	2997863	78.606	ng/ml	
30)	Aroclor 1248 (2)	7.154	8149130	149.748	ng/ml	
31)	Aroclor 1248 (3)	7.198	5125440	103.310	ng/ml	
32)	Aroclor 1248 (4)	7.324	4281039	73.933	ng/ml	
33)	Aroclor 1248 (5)	7.694	6440667	88.541	ng/ml	
34)	Aroclor 1248 (6)	7.849	17099925	286.641	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.672	9538808	134.014	ng/ml	
37)	Aroclor 1254 (2)	7.849	17099925	157.045	ng/ml	
38)	Aroclor 1254 (3)	8.154	38029681	341.015	ng/ml	144.863
39)	Aroclor 1254 (4)	8.408	8085973	98.896	ng/ml	
40)	Aroclor 1254 (5)	8.748	16358169	189.547	ng/ml	
41)	Aroclor 1254 (6)	8.981	3495267	144.815	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.306	12318698	128.142	ng/ml	
44)	Aroclor 1260 (2)	8.513	15590322	135.744	ng/ml	
45)	Aroclor 1260 (3)	8.748	16358169	144.697	ng/ml	
46)	Aroclor 1260 (4)	9.253	15035553	91.528	ng/ml	
47)	Aroclor 1260 (5)	9.530	8541711	87.923	ng/ml	86.401
48)	Aroclor 1260 (6)	10.139	3088577	79.751	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.513	15590322	194.772	ng/ml	
51)	Aroclor 1262 (2)	8.818	7397910	64.953	ng/ml	
52)	Aroclor 1262 (3)	8.999	7479991	84.676	ng/ml	
53)	Aroclor 1262 (4)	9.253	15035553	88.170	ng/ml	
54)	Aroclor 1262 (5)	9.530	8541711	81.126	ng/ml	
55)	Aroclor 1262 (6)	10.139	3088577	67.867	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	9.045	1473458	30.461	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_23.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 04:18 pm
 Operator :
 Sample : A0I0556-34
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:53 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.530	8541711	45.205 ng/ml
59)	Aroclor 1268 (3)	9.600	3985380	26.376 ng/ml
60)	Aroclor 1268 (4)	9.833	4380485	32.847 ng/ml
61)	Aroclor 1268 (5)	10.139	3088577	62.265 ng/ml
62)	Aroclor 1268 (6)	10.520	9618710	28.060 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

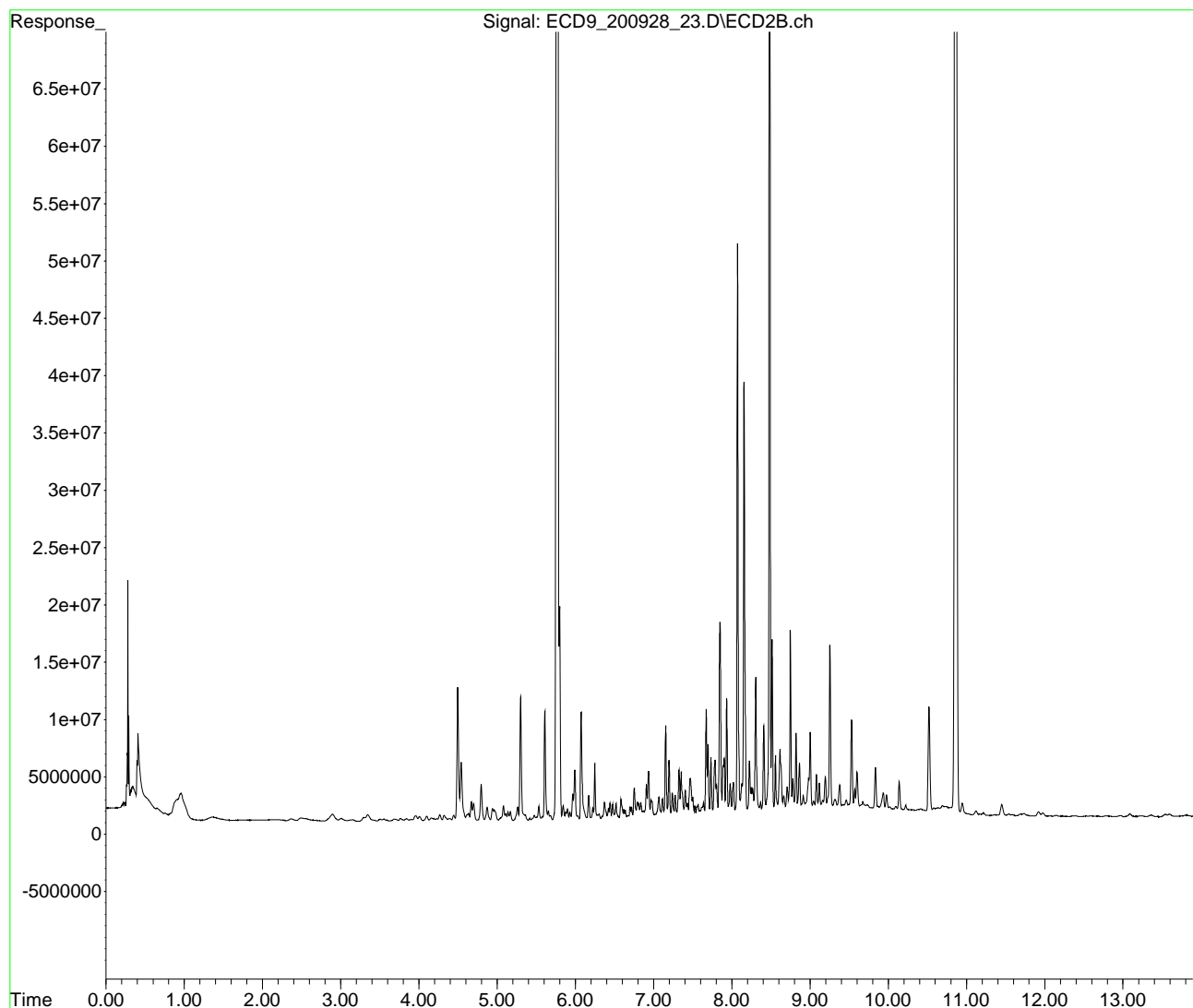
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_23.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 04:18 pm
Operator :
Sample : A0I0556-34
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:53 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_27.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 04:54 pm
 Operator :
 Sample : A0I0556-35
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

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1254 P-12
 1260 P-12

Integration File: events.e
 Quant Time: Sep 29 09:40:58 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	626312401	391.684 ng/ml
64) S DCBP (S)	10.859	326497405	459.843 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	112279	1.980 ng/ml
3) Aroclor 1016 (2)	6.936	446636	4.920 ng/ml
4) Aroclor 1016 (3)	7.067	172752	4.010 ng/ml
5) Aroclor 1016 (4)	7.153	1274657	27.332 ng/ml
6) Aroclor 1016 (5)	7.198	1560422	30.766 ng/ml
7) Aroclor 1016 (6)	7.324	782362	15.689 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.926	13287	1.208 ng/ml
10) Aroclor 1221 (2)	6.013	26752	2.409 ng/ml
11) Aroclor 1221 (3)	6.140	21197	0.580 ng/ml
12) Aroclor 1221 (4)	6.619	61227	7.739 ng/ml
13) Aroclor 1221 (5)	6.936	446636	74.263 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.140	21197	0.695 ng/ml
16) Aroclor 1232 (2)	6.444	112279	5.557 ng/ml
17) Aroclor 1232 (3)	6.936	446636	13.314 ng/ml
18) Aroclor 1232 (4)	7.153	1274657	91.395 ng/ml
19) Aroclor 1232 (5)	7.198	1560422	98.083 ng/ml
20) Aroclor 1232 (6)	7.324	782362	48.132 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	112279	2.993 ng/ml
23) Aroclor 1242 (2)	6.936	446636	7.424 ng/ml
24) Aroclor 1242 (3)	7.067	172752	5.948 ng/ml
25) Aroclor 1242 (4)	7.153	1274657	44.700 ng/ml
26) Aroclor 1242 (5)	7.198	1560422	47.249 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_27.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 04:54 pm
 Operator :
 Sample : A0I0556-35
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:58 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.324	782362	23.415 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.910	273110	7.161 ng/ml	
30) Aroclor 1248 (2)	7.153	1274657	23.423 ng/ml	
31) Aroclor 1248 (3)	7.198	1560422	31.452 ng/ml	
32) Aroclor 1248 (4)	7.324	782362	13.511 ng/ml	
33) Aroclor 1248 (5)	7.692	1752008	24.085 ng/ml	
34) Aroclor 1248 (6)	7.853	6035970	101.179 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.670	3579775	50.293 ng/ml	
37) Aroclor 1254 (2)	7.853	6035970	55.434 ng/ml	
38) Aroclor 1254 (3)	8.166	5823207	52.217 ng/ml	84.927
39) Aroclor 1254 (4)	8.407	8436787	103.187 ng/ml	
40) Aroclor 1254 (5)	8.746	10970565	127.120 ng/ml	
41) Aroclor 1254 (6)	8.979	2927936	121.310 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.304	4844464	50.393 ng/ml	
44) Aroclor 1260 (2)	8.512	8476205	73.802 ng/ml	
45) Aroclor 1260 (3)	8.746	10970565	97.041 ng/ml	
46) Aroclor 1260 (4)	9.252	3747737	22.814 ng/ml	
47) Aroclor 1260 (5)	9.528	2684126	27.629 ng/ml	21.259
48) Aroclor 1260 (6)	10.138	516436	13.335 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.512	8476205	105.895 ng/ml	
51) Aroclor 1262 (2)	8.817	1719921	15.101 ng/ml	
52) Aroclor 1262 (3)	8.996	2197227	24.873 ng/ml	
53) Aroclor 1262 (4)	9.252	3747737	21.977 ng/ml	
54) Aroclor 1262 (5)	9.528	2684126	25.493 ng/ml	
55) Aroclor 1262 (6)	10.138	516436	11.348 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.044	227208	4.697 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_27.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 04:54 pm
 Operator :
 Sample : A0I0556-35
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:40:58 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	2684126	14.205 ng/ml
59)	Aroclor 1268 (3)	9.599	585709	3.876 ng/ml
60)	Aroclor 1268 (4)	9.831	4896791	36.718 ng/ml
61)	Aroclor 1268 (5)	10.138	516436	10.411 ng/ml
62)	Aroclor 1268 (6)	10.518	11263372	32.857 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

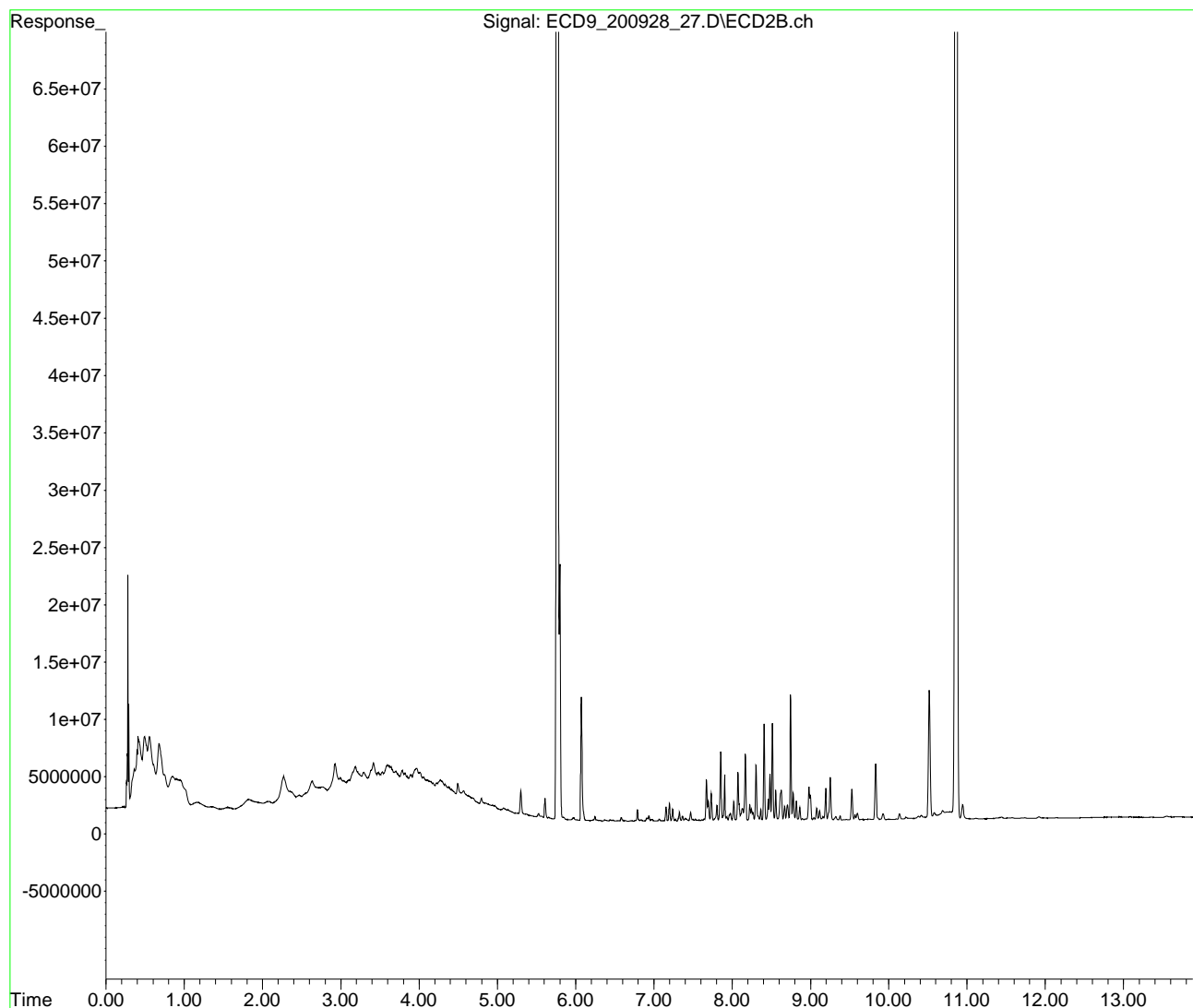
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_27.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 04:54 pm
Operator :
Sample : A0I0556-35
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:40:58 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_31.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 05:30 pm
 Operator :
 Sample : 0I28032-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

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Integration File: events.e
 Quant Time: Sep 29 09:41:03 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	412981310	258.271 ng/ml
64) S DCBP (S)	10.860	175075314	246.578 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.443	26595916	468.963 ng/ml
3) Aroclor 1016 (2)	6.936	48170931	530.632 ng/ml
4) Aroclor 1016 (3)	7.064	20790330	482.580 ng/ml
5) Aroclor 1016 (4)	7.152	21802530	467.505 ng/ml
6) Aroclor 1016 (5)	7.197	24509770	483.240 ng/ml
7) Aroclor 1016 (6)	7.323	23392990	469.120 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.943	1664874	151.330 ng/ml
10) Aroclor 1221 (2)	6.016	3266465	294.116 ng/ml
11) Aroclor 1221 (3)	6.104	15430606	422.185 ng/ml
12) Aroclor 1221 (4)	6.618	15561178	1967.014 ng/ml
13) Aroclor 1221 (5)	6.936	48170931	8009.465 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.104	15430606	506.042 ng/ml
16) Aroclor 1232 (2)	6.443	26595916	1316.338 ng/ml
17) Aroclor 1232 (3)	6.936	48170931	1435.904 ng/ml
18) Aroclor 1232 (4)	7.152	21802530	1563.282 ng/ml
19) Aroclor 1232 (5)	7.197	24509770	1540.605 ng/ml
20) Aroclor 1232 (6)	7.323	23392990	1439.172 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.443	26595916	708.928 ng/ml
23) Aroclor 1242 (2)	6.936	48170931	800.677 ng/ml
24) Aroclor 1242 (3)	7.064	20790330	715.797 ng/ml
25) Aroclor 1242 (4)	7.152	21802530	764.580 ng/ml
26) Aroclor 1242 (5)	7.197	24509770	742.151 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_31.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 05:30 pm
 Operator :
 Sample : 0I28032-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:03 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.323	23392990	700.131 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.908	38787040	1017.028 ng/ml
30)	Aroclor 1248 (2)	7.152	21802530	400.643 ng/ml
31)	Aroclor 1248 (3)	7.197	24509770	494.025 ng/ml
32)	Aroclor 1248 (4)	7.323	23392990	403.992 ng/ml
33)	Aroclor 1248 (5)	7.691	5165516	71.012 ng/ml
34)	Aroclor 1248 (6)	7.853	19414088	325.433 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.670	18344082	257.722 ng/ml
37)	Aroclor 1254 (2)	7.853	19414088	178.298 ng/ml
38)	Aroclor 1254 (3)	8.166	11089381	99.439 ng/ml
39)	Aroclor 1254 (4)	8.407	7397021	90.470 ng/ml
40)	Aroclor 1254 (5)	8.747	57101638	661.655 ng/ml
41)	Aroclor 1254 (6)	8.968	8543708	353.981 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.304	47692562	496.110 ng/ml
44)	Aroclor 1260 (2)	8.512	60694649	528.465 ng/ml
45)	Aroclor 1260 (3)	8.747	57101638	505.097 ng/ml
46)	Aroclor 1260 (4)	9.251	88446448	538.415 ng/ml
47)	Aroclor 1260 (5)	9.528	50894273	523.872 ng/ml
48)	Aroclor 1260 (6)	10.138	19244410	496.913 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.512	60694649	758.268 ng/ml
51)	Aroclor 1262 (2)	8.817	42808424	375.857 ng/ml
52)	Aroclor 1262 (3)	8.998	43510697	492.558 ng/ml
53)	Aroclor 1262 (4)	9.251	88446448	518.657 ng/ml
54)	Aroclor 1262 (5)	9.528	50894273	483.378 ng/ml
55)	Aroclor 1262 (6)	10.138	19244410	422.866 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.043	3130890	64.725 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_31.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 05:30 pm
 Operator :
 Sample : 0I28032-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:03 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	50894273	269.345 ng/ml
59)	Aroclor 1268 (3)	9.597	20207456	133.739 ng/ml
60)	Aroclor 1268 (4)	9.831	3817085	28.622 ng/ml
61)	Aroclor 1268 (5)	10.138	19244410	387.961 ng/ml
62)	Aroclor 1268 (6)	10.517	10360585	30.224 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

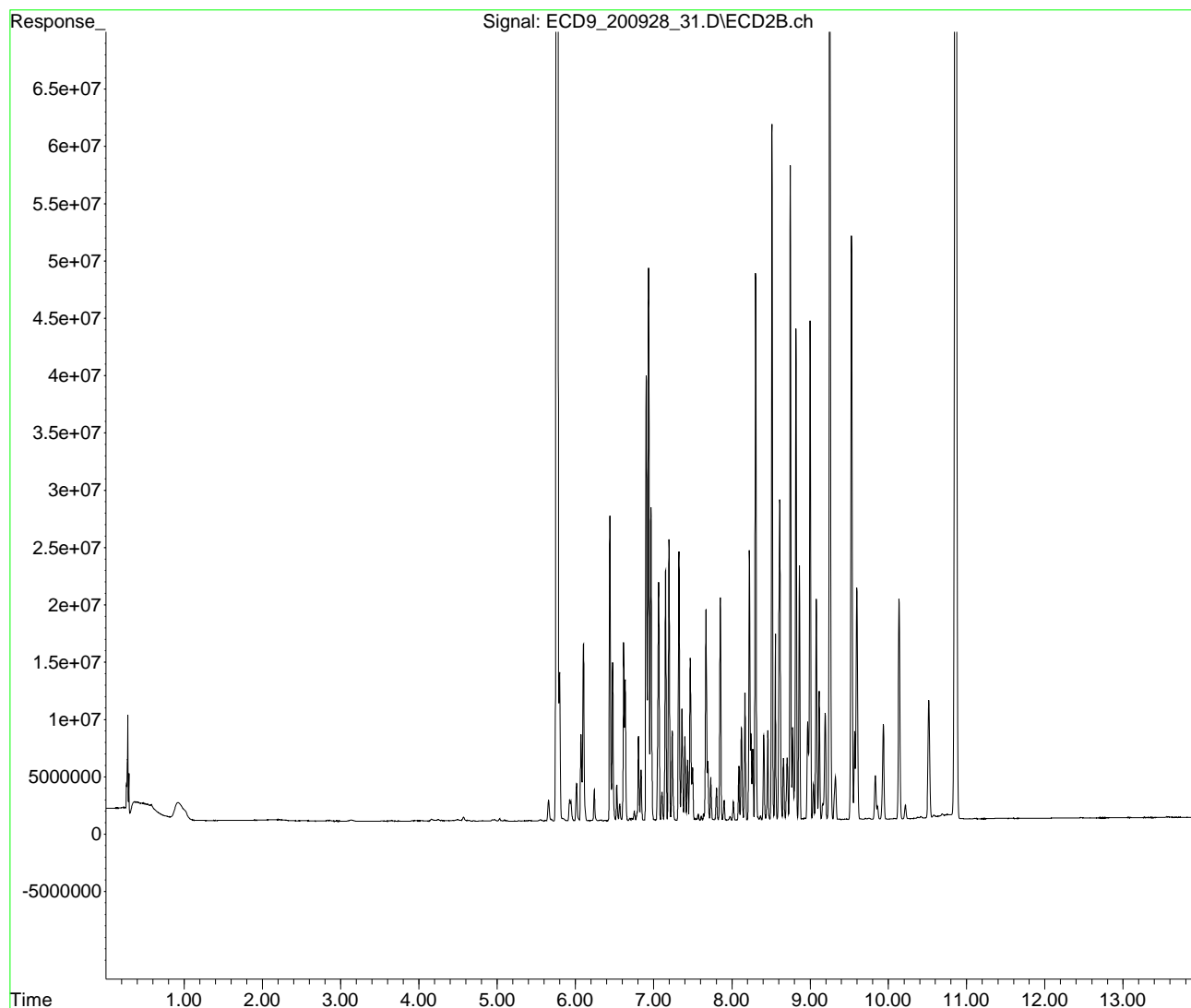
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_31.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 05:30 pm
Operator :
Sample : 0I28032-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:03 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_33.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 05:48 pm
 Operator :
 Sample : 0I28032-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

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Clean

Integration File: events.e
 Quant Time: Sep 29 09:41:09 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	176217486	110.203 ng/ml
64) S DCBP (S)	10.857	72743215	102.453 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.441	15373	0.271 ng/ml
3) Aroclor 1016 (2)	6.936	24446	0.269 ng/ml
4) Aroclor 1016 (3)	7.071	37523	0.871 ng/ml
5) Aroclor 1016 (4)	7.157	25430	0.545 ng/ml
6) Aroclor 1016 (5)	7.199	19432	0.383 ng/ml
7) Aroclor 1016 (6)	7.324	21454	0.430 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.957	40791	3.708 ng/ml
10) Aroclor 1221 (2)	6.025	17725	1.596 ng/ml
11) Aroclor 1221 (3)	6.135	9164	0.251 ng/ml
12) Aroclor 1221 (4)	6.648	22011	2.782 ng/ml
13) Aroclor 1221 (5)	6.936	24446	4.065 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.135	9164	0.301 ng/ml
16) Aroclor 1232 (2)	6.441	15373	0.761 ng/ml
17) Aroclor 1232 (3)	6.936	24446	0.729 ng/ml
18) Aroclor 1232 (4)	7.157	25430	1.823 ng/ml
19) Aroclor 1232 (5)	7.199	19432	1.221 ng/ml
20) Aroclor 1232 (6)	7.324	21454	1.320 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.441	15373	0.410 ng/ml
23) Aroclor 1242 (2)	6.936	24446	0.406 ng/ml
24) Aroclor 1242 (3)	7.071	37523	1.292 ng/ml
25) Aroclor 1242 (4)	7.157	25430	0.892 ng/ml
26) Aroclor 1242 (5)	7.199	19432	0.588 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_33.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 05:48 pm
 Operator :
 Sample : 0I28032-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:09 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.324	21454	0.642 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.915	57254	1.501 ng/ml
30)	Aroclor 1248 (2)	7.157	25430	0.467 ng/ml
31)	Aroclor 1248 (3)	7.199	19432	0.392 ng/ml
32)	Aroclor 1248 (4)	7.324	21454	0.371 ng/ml
33)	Aroclor 1248 (5)	7.667	1345394	18.495 ng/ml
34)	Aroclor 1248 (6)	7.852	50086	0.840 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.667	1345394	18.902 ng/ml
37)	Aroclor 1254 (2)	7.858	50271	0.462 ng/ml
38)	Aroclor 1254 (3)	8.177	19184	0.172 ng/ml
39)	Aroclor 1254 (4)	8.416	130968	1.602 ng/ml
40)	Aroclor 1254 (5)	8.745	26356	0.305 ng/ml
41)	Aroclor 1254 (6)	8.998	334320	13.851 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.303	22162	0.231 ng/ml
44)	Aroclor 1260 (2)	8.513	19374	0.169 ng/ml
45)	Aroclor 1260 (3)	8.745	26356	0.233 ng/ml
46)	Aroclor 1260 (4)	9.253	27172	0.165 ng/ml
47)	Aroclor 1260 (5)	9.528	36817	0.379 ng/ml
48)	Aroclor 1260 (6)	10.145	23617	0.610 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.513	19374	0.242 ng/ml
51)	Aroclor 1262 (2)	8.819	29019	0.255 ng/ml
52)	Aroclor 1262 (3)	8.998	334320	3.785 ng/ml
53)	Aroclor 1262 (4)	9.253	27172	0.159 ng/ml
54)	Aroclor 1262 (5)	9.528	36817	0.350 ng/ml
55)	Aroclor 1262 (6)	10.145	23617	0.519 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.062	35990	0.744 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_33.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 05:48 pm
 Operator :
 Sample : 0I28032-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:09 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	36817	0.195 ng/ml
59)	Aroclor 1268 (3)	9.594	27466	0.182 ng/ml
60)	Aroclor 1268 (4)	9.831	1540603	11.552 ng/ml
61)	Aroclor 1268 (5)	10.145	23617	0.476 ng/ml
62)	Aroclor 1268 (6)	10.519	3038167	8.863 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

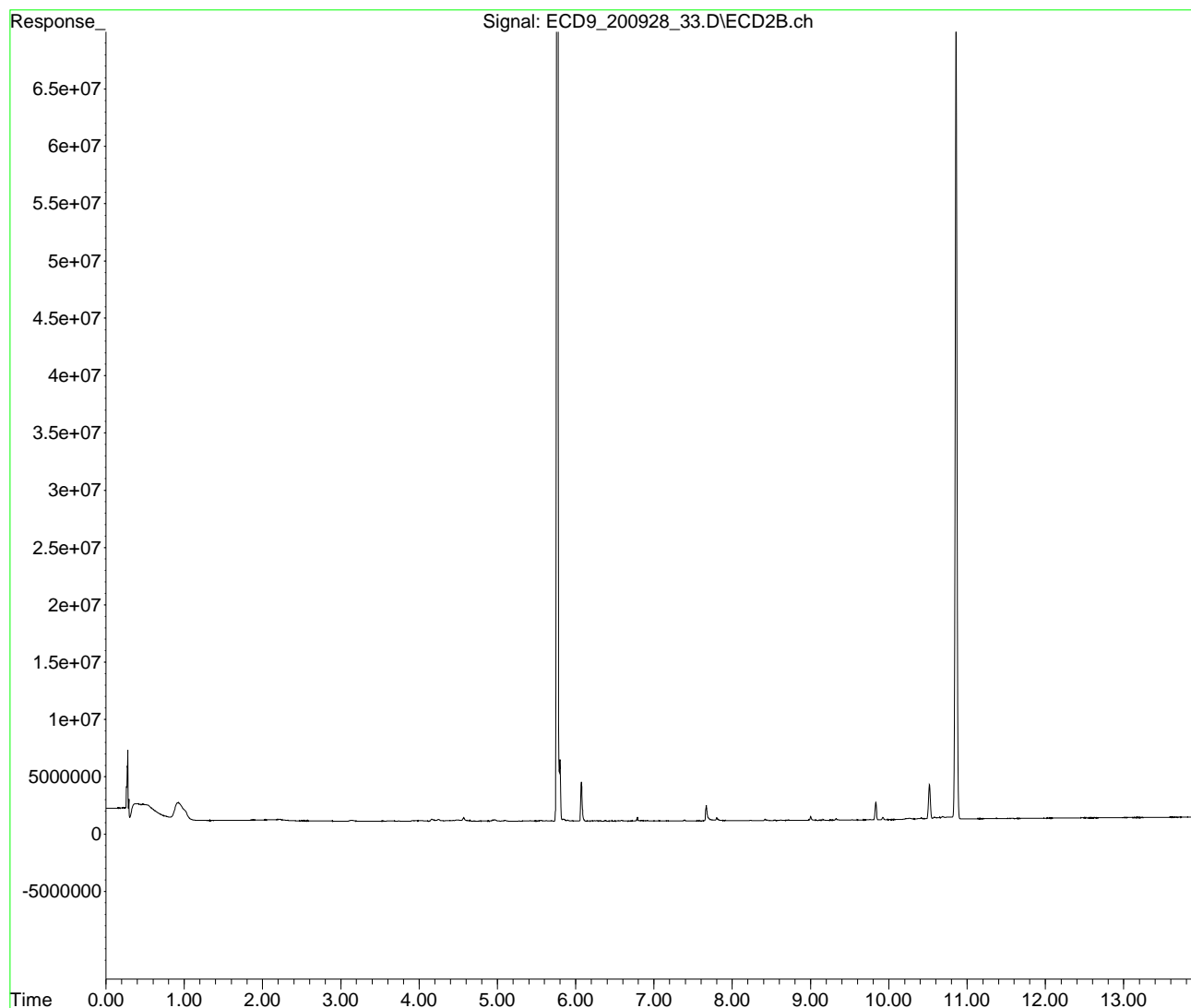
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_33.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 05:48 pm
Operator :
Sample : 0I28032-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:09 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_35.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 06:05 pm
 Operator :
 Sample : A0I0556-36
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

KAK 9/29/2020

Integration File: events.e
 Quant Time: Sep 29 09:41:15 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	682248330	426.666 ng/ml
64) S DCBP (S)	10.859	347834858	489.895 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	97873	1.726 ng/ml
3) Aroclor 1016 (2)	6.935	278976	3.073 ng/ml
4) Aroclor 1016 (3)	7.068	157984	3.667 ng/ml
5) Aroclor 1016 (4)	7.152	449617	9.641 ng/ml
6) Aroclor 1016 (5)	7.197	380944	7.511 ng/ml
7) Aroclor 1016 (6)	7.323	281427	5.644 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.929	32757	2.977 ng/ml
10) Aroclor 1221 (2)	6.017	45905	4.133 ng/ml
11) Aroclor 1221 (3)	6.075	11962409	327.294 ng/ml
12) Aroclor 1221 (4)	6.617	55653	7.035 ng/ml
13) Aroclor 1221 (5)	6.935	278976	46.386 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.075	11962409	392.303 ng/ml
16) Aroclor 1232 (2)	6.445	97873	4.844 ng/ml
17) Aroclor 1232 (3)	6.935	278976	8.316 ng/ml
18) Aroclor 1232 (4)	7.152	449617	32.238 ng/ml
19) Aroclor 1232 (5)	7.197	380944	23.945 ng/ml
20) Aroclor 1232 (6)	7.323	281427	17.314 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.445	97873	2.609 ng/ml
23) Aroclor 1242 (2)	6.935	278976	4.637 ng/ml
24) Aroclor 1242 (3)	7.068	157984	5.439 ng/ml
25) Aroclor 1242 (4)	7.152	449617	15.767 ng/ml
26) Aroclor 1242 (5)	7.197	380944	11.535 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_35.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 06:05 pm
 Operator :
 Sample : A0I0556-36
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:15 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.323	281427	8.423	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.908	202594	5.312	ng/ml
30)	Aroclor 1248 (2)	7.152	449617	8.262	ng/ml
31)	Aroclor 1248 (3)	7.197	380944	7.678	ng/ml
32)	Aroclor 1248 (4)	7.323	281427	4.860	ng/ml
33)	Aroclor 1248 (5)	7.690	579728	7.970	ng/ml
34)	Aroclor 1248 (6)	7.844	1243295	20.841	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.669	1709516	24.018	ng/ml
37)	Aroclor 1254 (2)	7.844	1243295	11.418	ng/ml
38)	Aroclor 1254 (3)	8.154	902305	8.091	ng/ml
39)	Aroclor 1254 (4)	8.407	481799	5.893	ng/ml
40)	Aroclor 1254 (5)	8.746	801954	9.293	ng/ml
41)	Aroclor 1254 (6)	8.997	465225	19.275	ng/ml 8.015 MI
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.304	623558	6.486	ng/ml
44)	Aroclor 1260 (2)	8.511	813087	7.080	ng/ml
45)	Aroclor 1260 (3)	8.746	801954	7.094	ng/ml
46)	Aroclor 1260 (4)	9.251	591041	3.598	ng/ml
47)	Aroclor 1260 (5)	9.528	436780	4.496	ng/ml
48)	Aroclor 1260 (6)	10.139	170847	4.411	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.511	813087	10.158	ng/ml
51)	Aroclor 1262 (2)	8.817	372977	3.275	ng/ml
52)	Aroclor 1262 (3)	8.997	465225	5.267	ng/ml
53)	Aroclor 1262 (4)	9.251	591041	3.466	ng/ml
54)	Aroclor 1262 (5)	9.528	436780	4.148	ng/ml
55)	Aroclor 1262 (6)	10.139	170847	3.754	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.044	62265	1.287	ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_35.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 06:05 pm
 Operator :
 Sample : A0I0556-36
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:15 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	436780	2.312 ng/ml
59)	Aroclor 1268 (3)	9.597	179016	1.185 ng/ml
60)	Aroclor 1268 (4)	9.831	5071076	38.025 ng/ml
61)	Aroclor 1268 (5)	10.139	170847	3.444 ng/ml
62)	Aroclor 1268 (6)	10.517	11274214	32.889 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

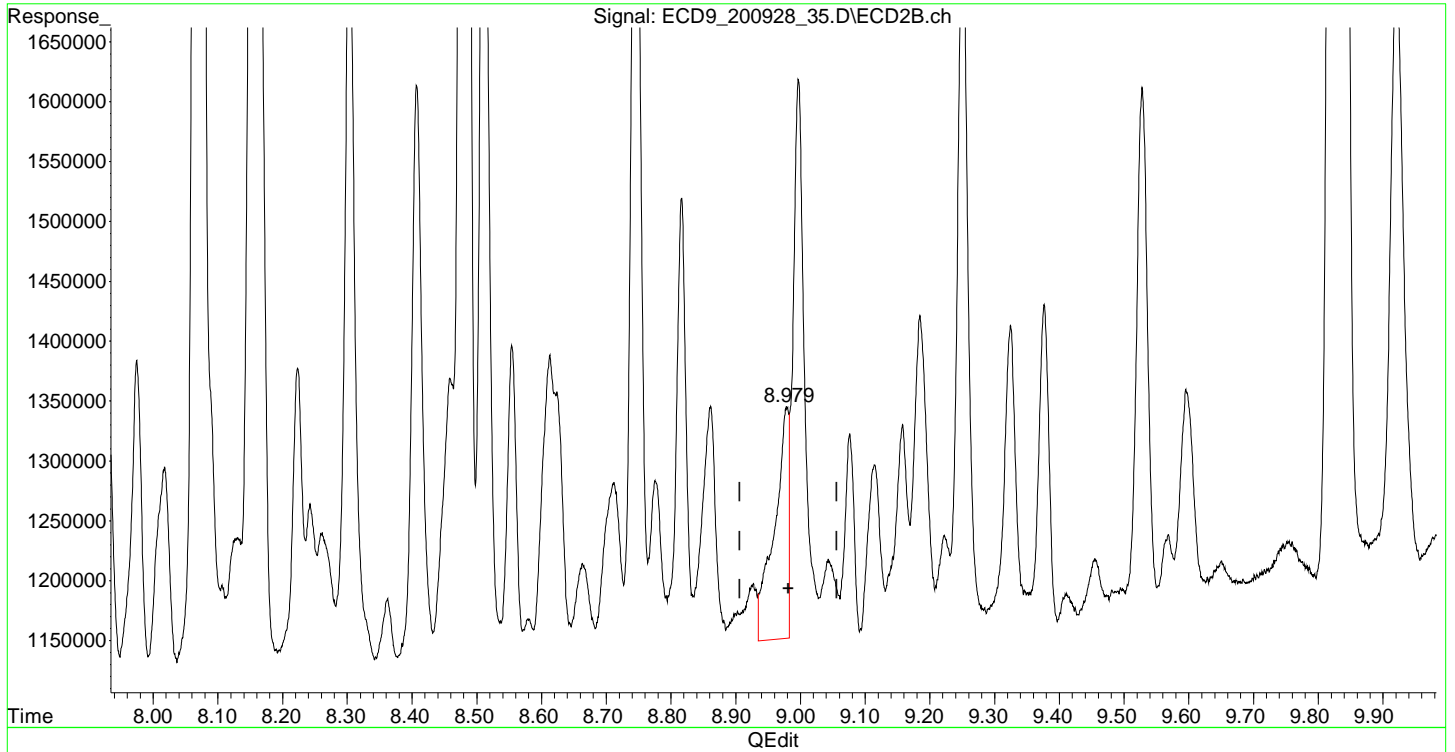
(m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_35.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 06:05 pm
Operator :
Sample : A0I0556-36
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:15 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



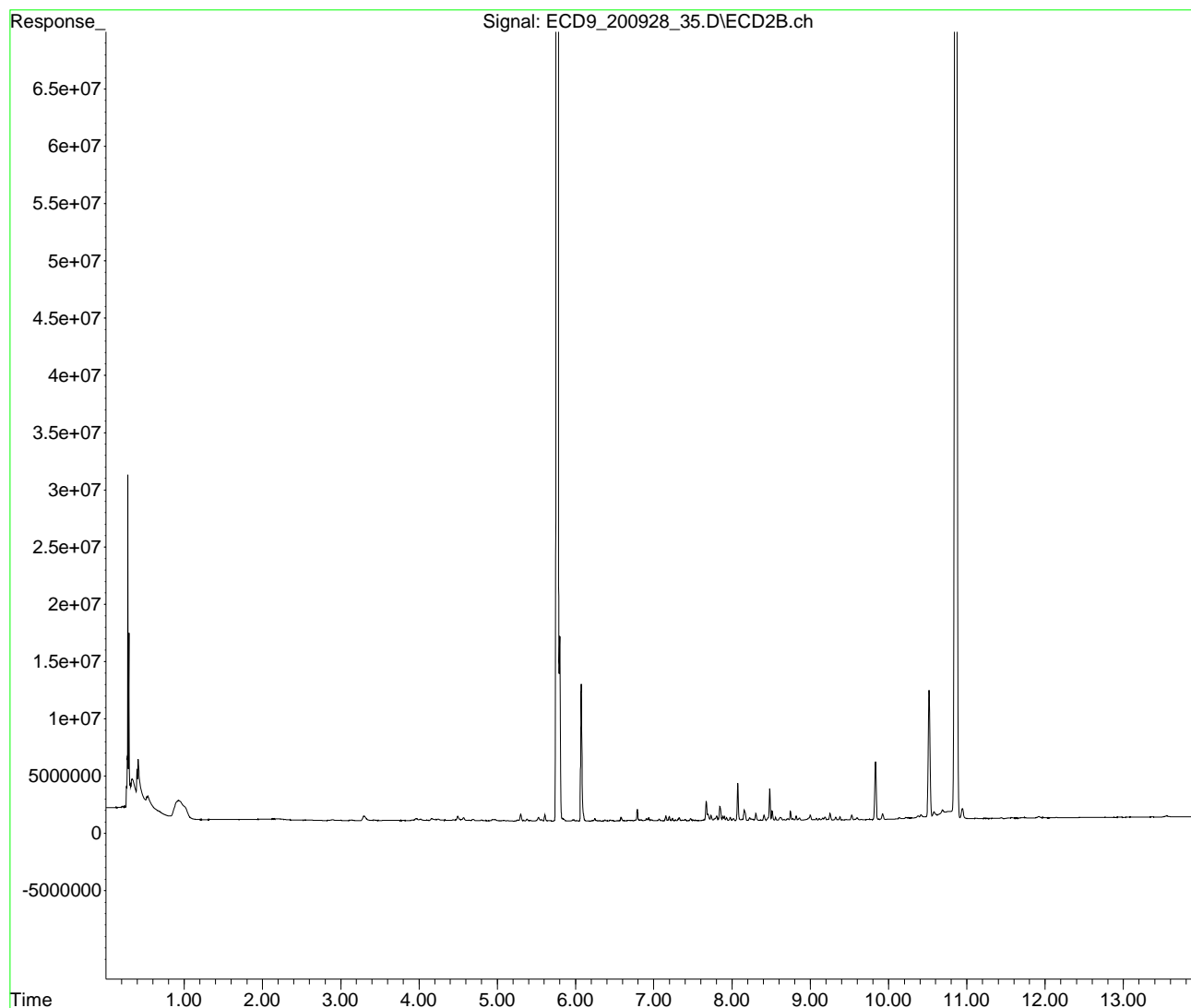
(41) Aroclor 1254 (6)
8.979min 8.015 ng/ml m *KAK 9/29/2020*
response 193445

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_35.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 06:05 pm
Operator :
Sample : A0I0556-36
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:15 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_39.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 06:41 pm
 Operator :
 Sample : A0I0556-37
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

KAK 9/29/2020

1254 P-12
 1260 P-12

Integration File: events.e
 Quant Time: Sep 29 09:41:21 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.764	678113236	424.080 ng/ml	
64) S DCBP (S)	10.859	340658633	479.788 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	6.443	442648	7.805 ng/ml	
3) Aroclor 1016 (2)	6.931	1023383	11.273 ng/ml	
4) Aroclor 1016 (3)	7.070	698860	16.222 ng/ml	MDL=MRL
5) Aroclor 1016 (4)	7.152	2423326	51.963 ng/ml	
6) Aroclor 1016 (5)	7.197	1863167	36.735 ng/ml	
7) Aroclor 1016 (6)	7.323	1362162	27.317 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.950	98100	8.917 ng/ml	
10) Aroclor 1221 (2)	6.022	76378	6.877 ng/ml	
11) Aroclor 1221 (3)	6.074	11370146	311.090 ng/ml	18.803 MI
12) Aroclor 1221 (4)	6.618	183161	23.152 ng/ml	
13) Aroclor 1221 (5)	6.931	1023383	170.160 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	6.074	11370146	372.880 ng/ml	21.273 MI
16) Aroclor 1232 (2)	6.443	442648	21.908 ng/ml	
17) Aroclor 1232 (3)	6.931	1023383	30.506 ng/ml	
18) Aroclor 1232 (4)	7.152	2423326	173.757 ng/ml	R-02
19) Aroclor 1232 (5)	7.197	1863167	117.113 ng/ml	
20) Aroclor 1232 (6)	7.323	1362162	83.802 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	6.443	442648	11.799 ng/ml	
23) Aroclor 1242 (2)	6.931	1023383	17.010 ng/ml	
24) Aroclor 1242 (3)	7.070	698860	24.061 ng/ml	R-02
25) Aroclor 1242 (4)	7.152	2423326	84.982 ng/ml	
26) Aroclor 1242 (5)	7.197	1863167	56.416 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_39.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 06:41 pm
 Operator :
 Sample : A0I0556-37
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:21 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.323	1362162	40.768 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.909	719148	18.857 ng/ml	
30) Aroclor 1248 (2)	7.152	2423326	44.531 ng/ml	
31) Aroclor 1248 (3)	7.197	1863167	37.554 ng/ml	R-02
32) Aroclor 1248 (4)	7.323	1362162	23.524 ng/ml	
33) Aroclor 1248 (5)	7.692	1856768	25.525 ng/ml	
34) Aroclor 1248 (6)	7.851	4265825	71.507 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.670	3893699	54.704 ng/ml	
37) Aroclor 1254 (2)	7.851	4265825	39.177 ng/ml	
38) Aroclor 1254 (3)	8.154	5318977	47.696 ng/ml	45.072
39) Aroclor 1254 (4)	8.406	2866188	35.055 ng/ml	
40) Aroclor 1254 (5)	8.745	4610112	53.419 ng/ml	
41) Aroclor 1254 (6)	8.979	974675	40.383 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.305	3424715	35.625 ng/ml	
44) Aroclor 1260 (2)	8.512	4349927	37.875 ng/ml	
45) Aroclor 1260 (3)	8.745	4610112	40.779 ng/ml	
46) Aroclor 1260 (4)	9.251	4076915	24.818 ng/ml	24.436
47) Aroclor 1260 (5)	9.528	2510530	25.842 ng/ml	
48) Aroclor 1260 (6)	10.137	877158	22.649 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.512	4349927	54.344 ng/ml	
51) Aroclor 1262 (2)	8.816	2399379	21.066 ng/ml	
52) Aroclor 1262 (3)	8.997	2342239	26.515 ng/ml	
53) Aroclor 1262 (4)	9.251	4076915	23.907 ng/ml	
54) Aroclor 1262 (5)	9.528	2510530	23.844 ng/ml	
55) Aroclor 1262 (6)	10.137	877158	19.274 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.042	309336	6.395 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_39.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 06:41 pm
 Operator :
 Sample : A0I0556-37
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:21 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	2510530	13.286 ng/ml
59)	Aroclor 1268 (3)	9.597	1201810	7.954 ng/ml
60)	Aroclor 1268 (4)	9.830	4943213	37.067 ng/ml
61)	Aroclor 1268 (5)	10.137	877158	17.683 ng/ml
62)	Aroclor 1268 (6)	10.517	11450826	33.404 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

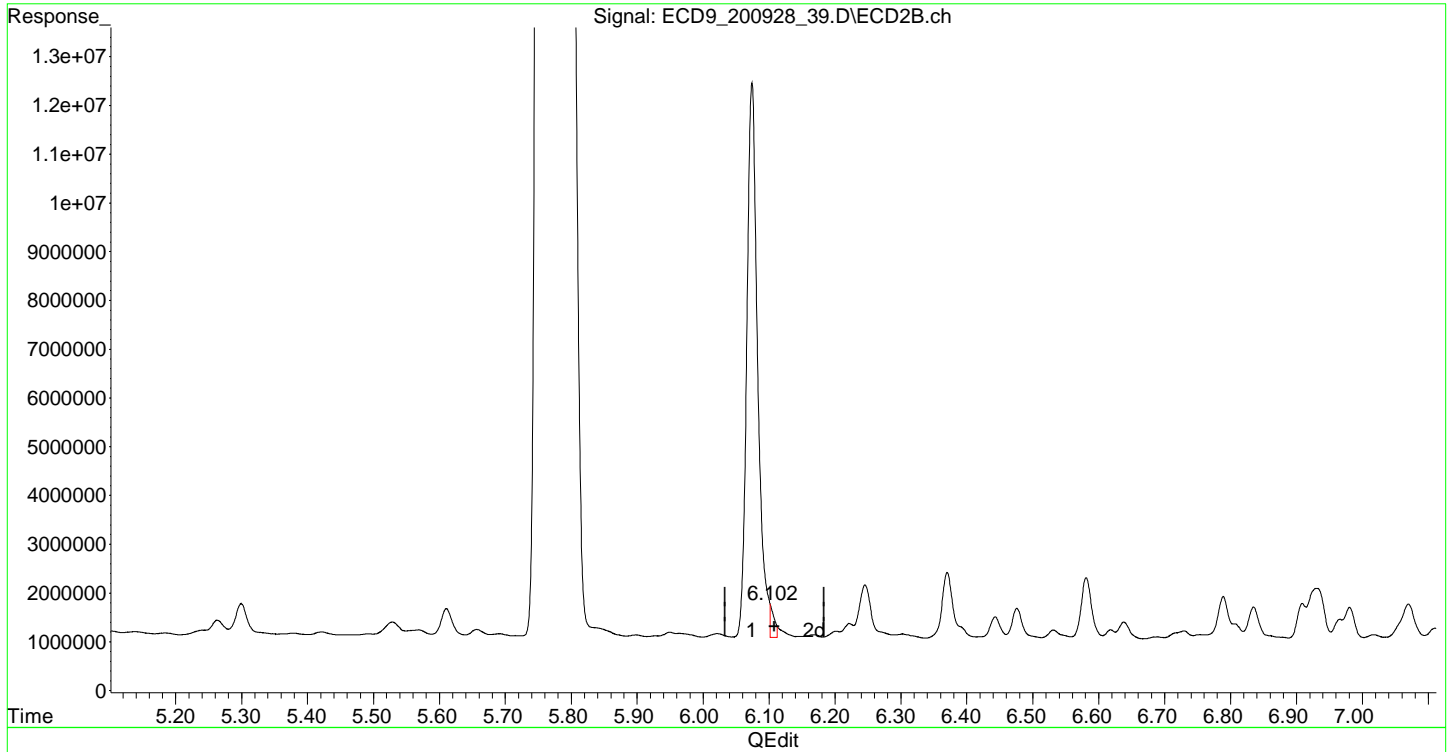
(m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_39.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 06:41 pm
Operator :
Sample : A0I0556-37
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:21 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



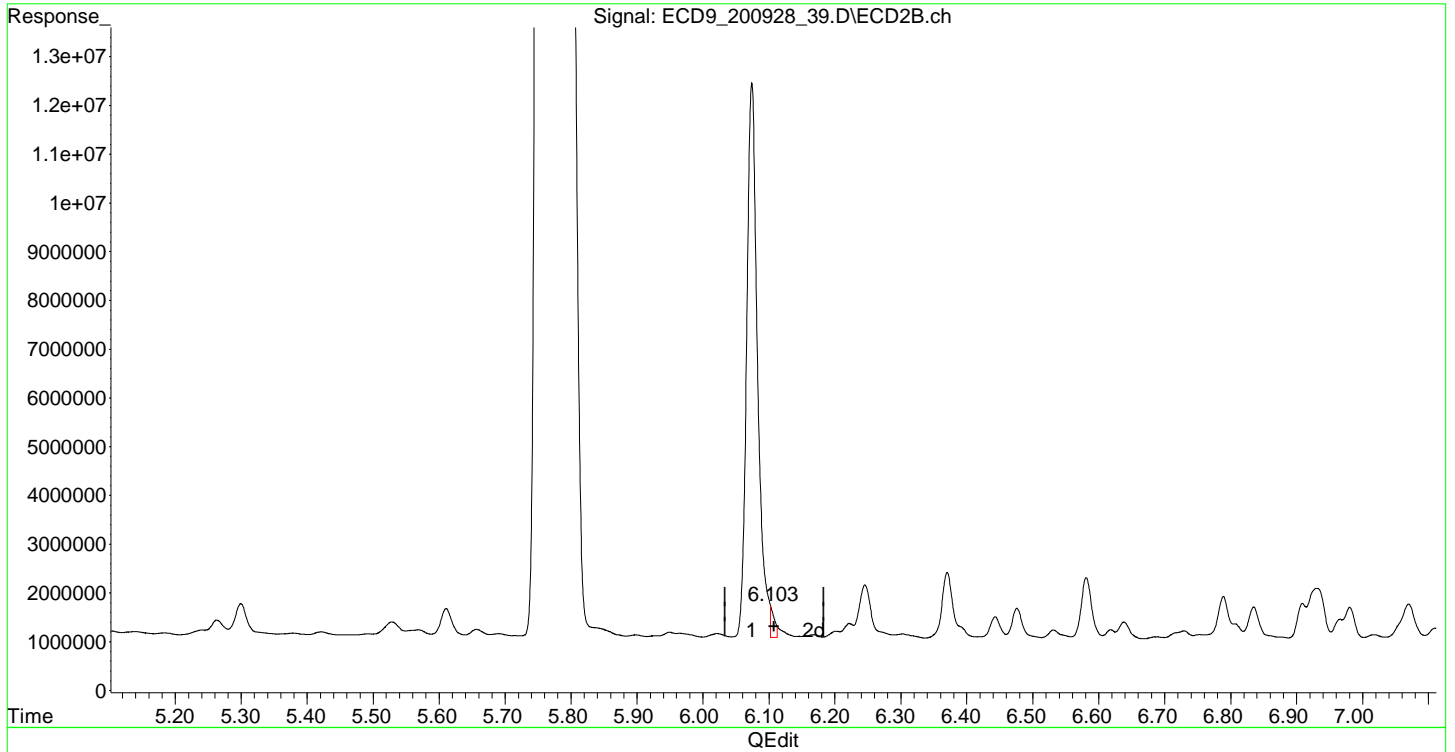
(11) Aroclor 1221 (3)
6.102min 18.803 ng/ml m *KAK 9/29/2020*
response 687243

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_39.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 06:41 pm
Operator :
Sample : A0I0556-37
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:21 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(15) Aroclor 1232 (1)
6.103min 21.273 ng/ml m
response 648660

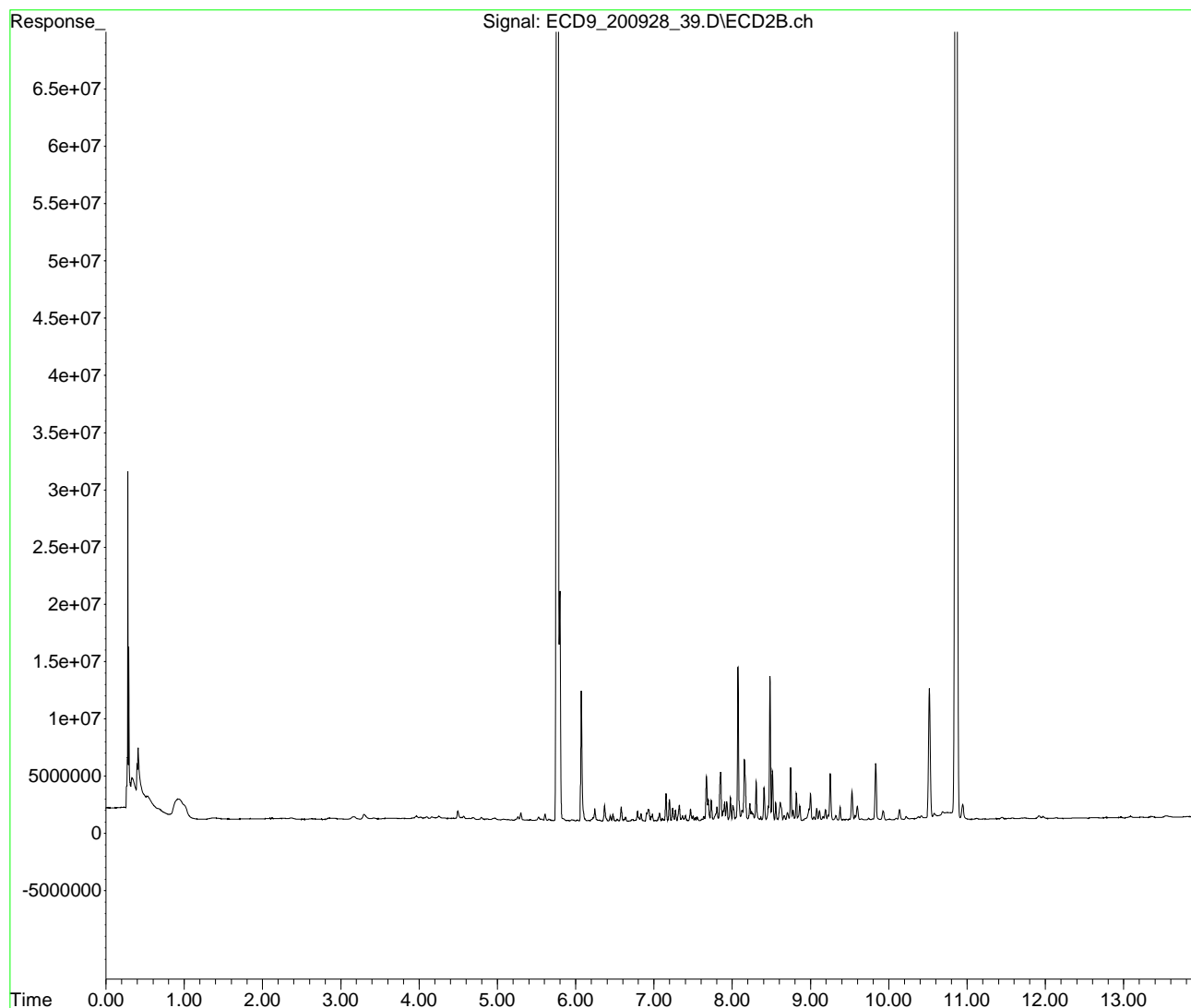
KAK 9/29/2020

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_39.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 06:41 pm
Operator :
Sample : A0I0556-37
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:21 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_43.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-38
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

KAK 9/29/2020

1254 (J)
 1260 (J)

Integration File: events.e
 Quant Time: Sep 29 12:48:15 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	698040729	436.542 ng/ml
64) S DCBP (S)	10.858	335521267	472.553 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	140649	2.480 ng/ml
3) Aroclor 1016 (2)	6.936	448128	4.936 ng/ml
4) Aroclor 1016 (3)	7.069	225325	5.230 ng/ml
5) Aroclor 1016 (4)	7.152	745129	15.978 ng/ml
6) Aroclor 1016 (5)	7.197	581210	11.459 ng/ml
7) Aroclor 1016 (6)	7.323	491490	9.856 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.953	49261	4.478 ng/ml
10) Aroclor 1221 (2)	6.026	108789	9.795 ng/ml
11) Aroclor 1221 (3)	6.100	675360	18.478 ng/mlm
12) Aroclor 1221 (4)	6.616	84590	10.693 ng/ml
13) Aroclor 1221 (5)	6.936	448128	74.511 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.102	567429	18.609 ng/mlm
16) Aroclor 1232 (2)	6.444	140649	6.961 ng/ml
17) Aroclor 1232 (3)	6.936	448128	13.358 ng/ml
18) Aroclor 1232 (4)	7.152	745129	53.427 ng/ml
19) Aroclor 1232 (5)	7.197	581210	36.533 ng/ml
20) Aroclor 1232 (6)	7.323	491490	30.237 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	140649	3.749 ng/ml
23) Aroclor 1242 (2)	6.936	448128	7.449 ng/ml
24) Aroclor 1242 (3)	7.069	225325	7.758 ng/ml
25) Aroclor 1242 (4)	7.152	745129	26.131 ng/ml
26) Aroclor 1242 (5)	7.197	581210	17.599 ng/ml

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_43.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-38
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 12:48:15 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.323	491490	14.710 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.908	311463	8.167 ng/ml	
30) Aroclor 1248 (2)	7.152	745129	13.692 ng/ml	
31) Aroclor 1248 (3)	7.197	581210	11.715 ng/ml	
32) Aroclor 1248 (4)	7.323	491490	8.488 ng/ml	
33) Aroclor 1248 (5)	7.692	970209	13.338 ng/ml	
34) Aroclor 1248 (6)	7.848	2161563	36.234 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.670	1857938	26.103 ng/ml	
37) Aroclor 1254 (2)	7.848	2161563	19.852 ng/ml	
38) Aroclor 1254 (3)	8.153	1904555	17.078 ng/ml	18.558
39) Aroclor 1254 (4)	8.407	1004682	12.288 ng/ml	
40) Aroclor 1254 (5)	8.746	1822223	21.115 ng/ml	
41) Aroclor 1254 (6)	8.977	359846	14.909 ng/mlm	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.304	1557423	16.201 ng/ml	
44) Aroclor 1260 (2)	8.511	1997890	17.396 ng/ml	
45) Aroclor 1260 (3)	8.746	1822223	16.119 ng/ml	
46) Aroclor 1260 (4)	9.251	1685443	10.260 ng/ml	
47) Aroclor 1260 (5)	9.527	1066787	10.981 ng/ml	10.700
48) Aroclor 1260 (6)	10.137	420531	10.859 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.511	1997890	24.960 ng/ml	
51) Aroclor 1262 (2)	8.816	973636	8.548 ng/ml	
52) Aroclor 1262 (3)	8.998	1277170	14.458 ng/ml	
53) Aroclor 1262 (4)	9.251	1685443	9.884 ng/ml	
54) Aroclor 1262 (5)	9.527	1066787	10.132 ng/ml	
55) Aroclor 1262 (6)	10.137	420531	9.241 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.048	158670	3.280 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_43.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-38
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 12:48:15 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.527	1066787	5.646 ng/ml
59)	Aroclor 1268 (3)	9.597	522257	3.456 ng/ml
60)	Aroclor 1268 (4)	9.830	4920800	36.898 ng/ml
61)	Aroclor 1268 (5)	10.137	420531	8.478 ng/ml
62)	Aroclor 1268 (6)	10.517	10944947	31.928 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

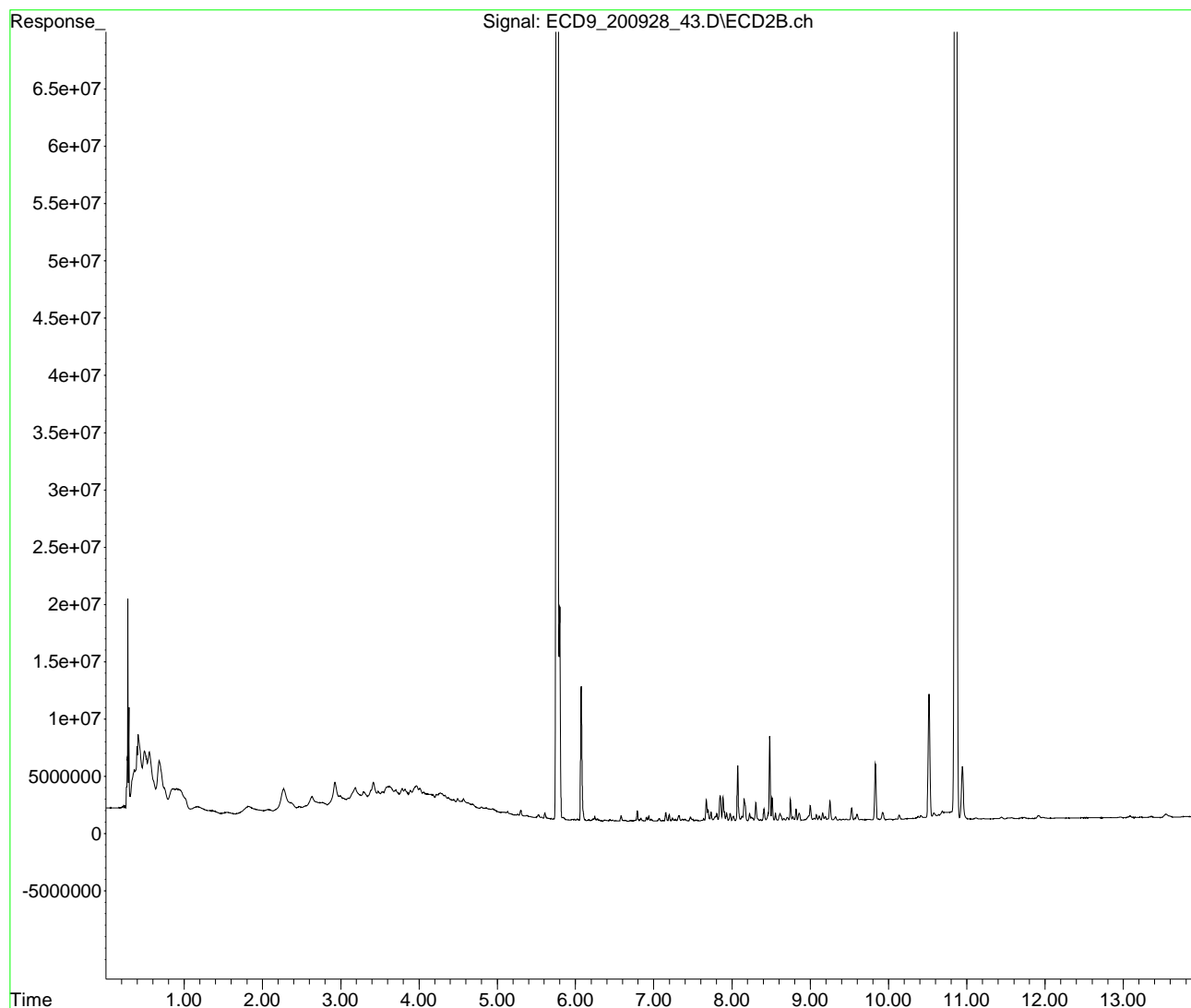
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_43.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-38
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 12:48:15 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

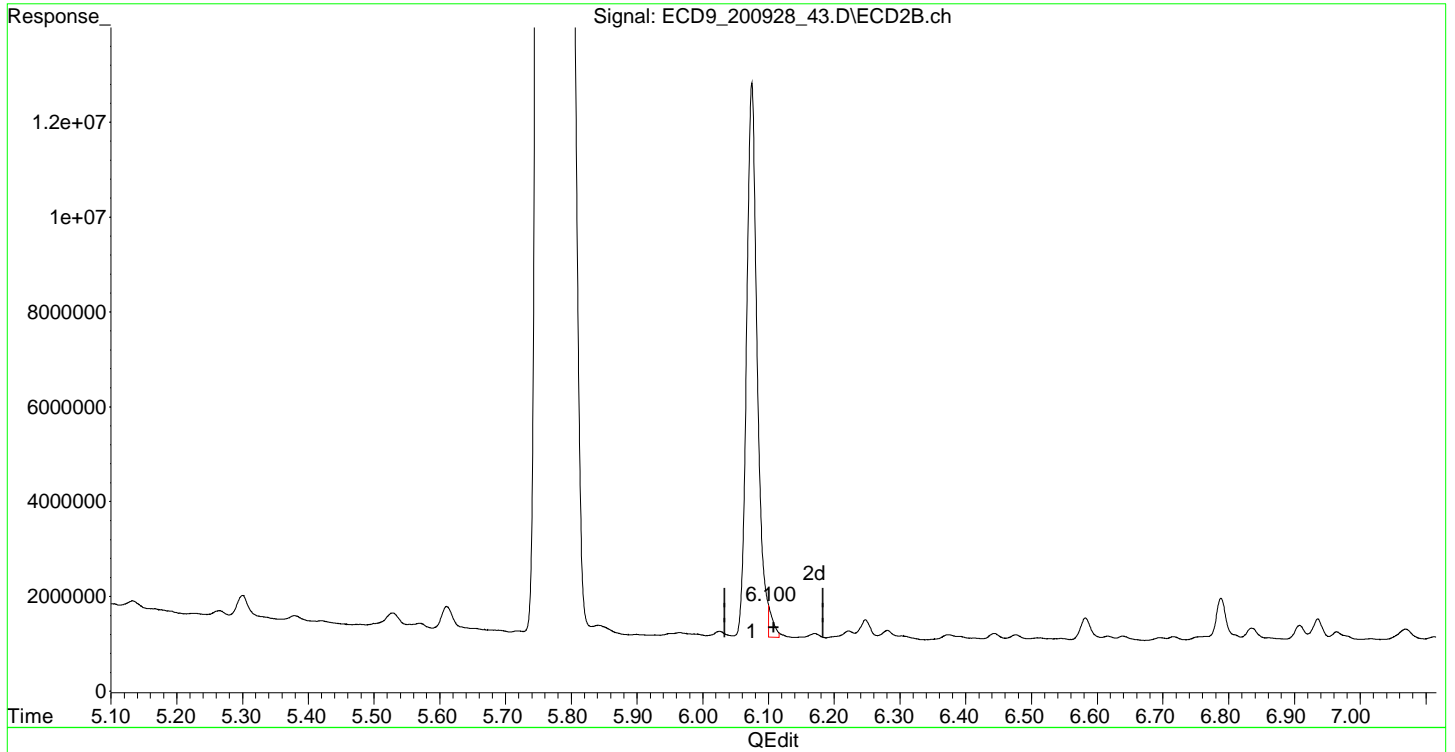


Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_43.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-38
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:26 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(11) Aroclor 1221 (3)
6.100min 18.478 ng/ml m
response 675360

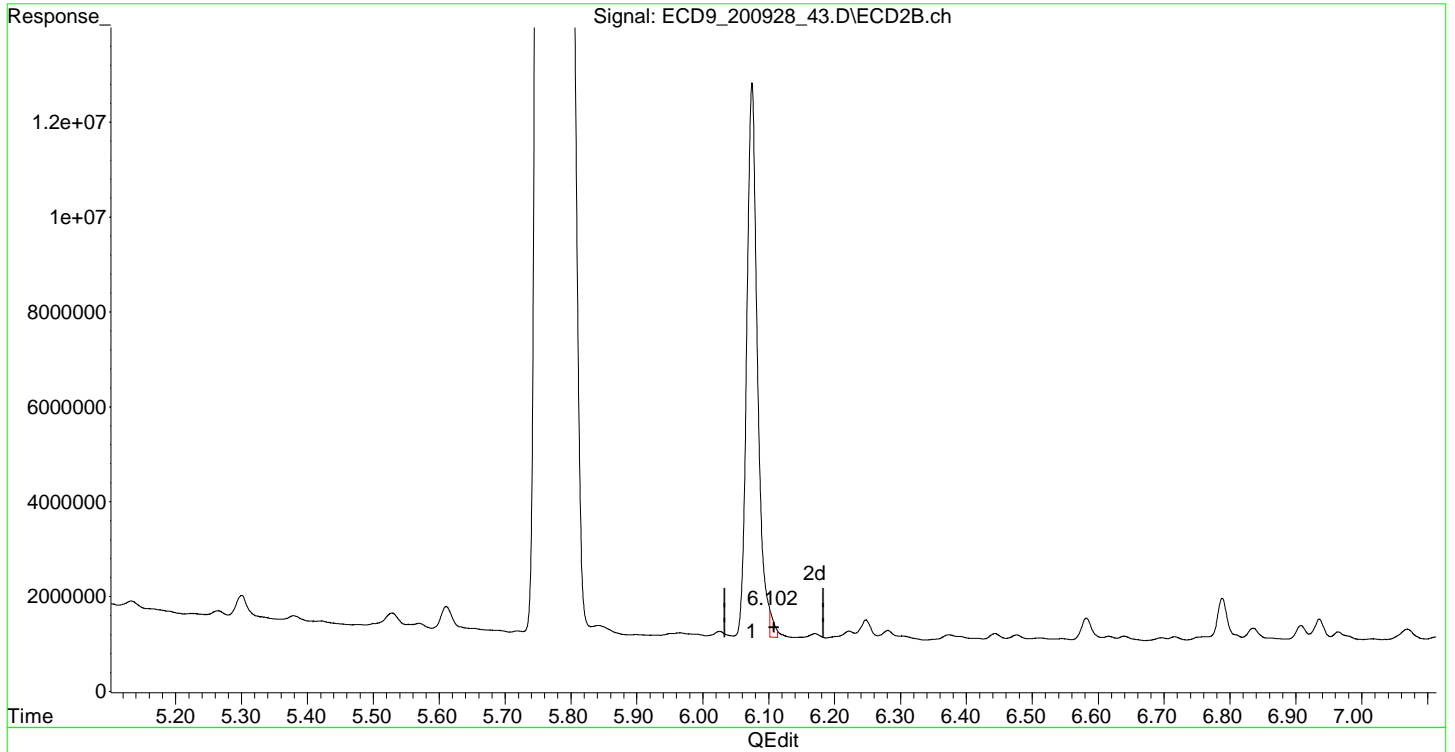
KAK 9/29/2020

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_43.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-38
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:26 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(15) Aroclor 1232 (1)
6.102min 18.609 ng/ml m
response 567429

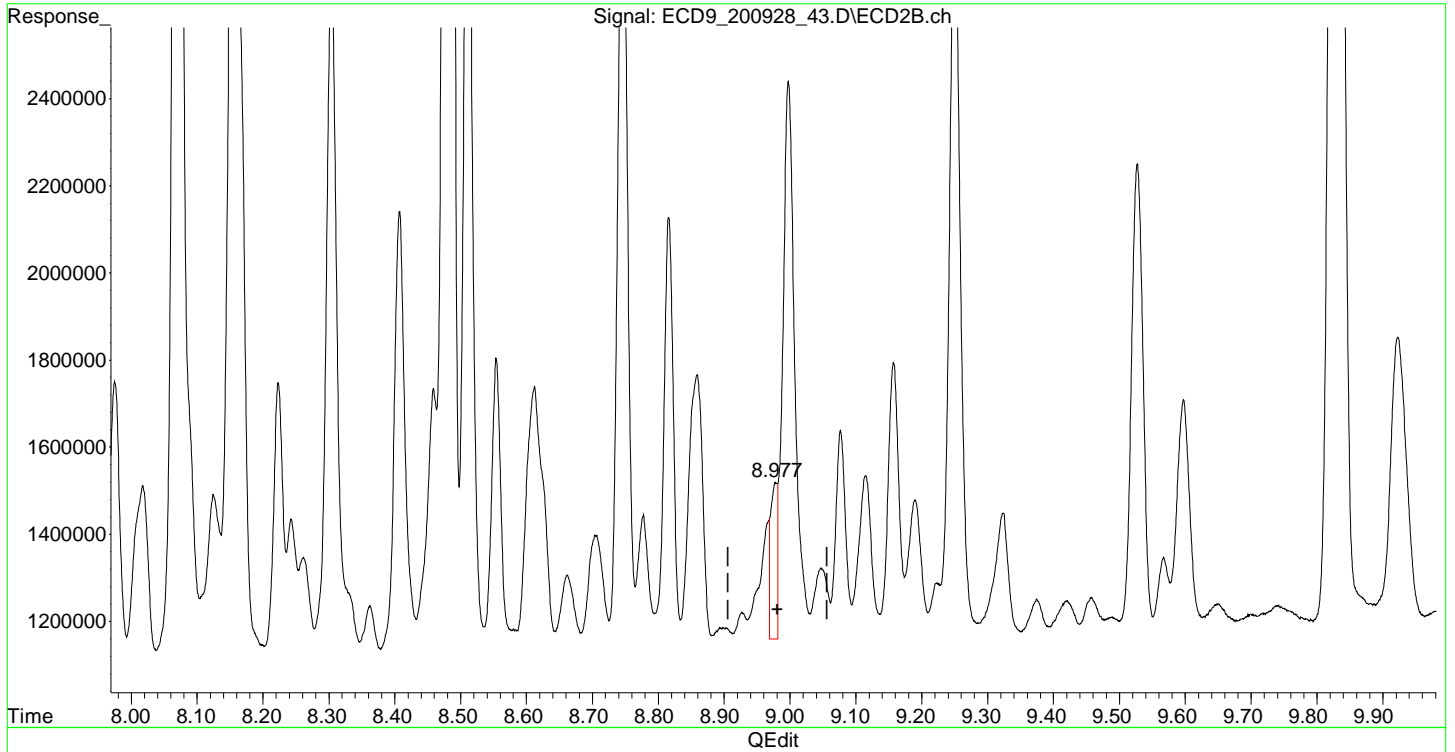
KAK 9/29/2020

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_43.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-38
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:26 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(41) Aroclor 1254 (6)
8.977min 14.909 ng/ml m
response 359846

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(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_43.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-38
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

KAK 9/29/2020

MI

Integration File: events.e
 Quant Time: Sep 29 09:41:26 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.764	698040729	436.542 ng/ml
64) S DCBP (S)	10.858	335521267	472.553 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	140649	2.480 ng/ml
3) Aroclor 1016 (2)	6.936	448128	4.936 ng/ml
4) Aroclor 1016 (3)	7.069	225325	5.230 ng/ml
5) Aroclor 1016 (4)	7.152	745129	15.978 ng/ml
6) Aroclor 1016 (5)	7.197	581210	11.459 ng/ml
7) Aroclor 1016 (6)	7.323	491490	9.856 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.953	49261	4.478 ng/ml
10) Aroclor 1221 (2)	6.026	108789	9.795 ng/ml
11) Aroclor 1221 (3)	6.075	11674586	319.419 ng/ml
12) Aroclor 1221 (4)	6.616	84590	10.693 ng/ml
13) Aroclor 1221 (5)	6.936	448128	74.511 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.075	11674586	382.864 ng/ml
16) Aroclor 1232 (2)	6.444	140649	6.961 ng/ml
17) Aroclor 1232 (3)	6.936	448128	13.358 ng/ml
18) Aroclor 1232 (4)	7.152	745129	53.427 ng/ml
19) Aroclor 1232 (5)	7.197	581210	36.533 ng/ml
20) Aroclor 1232 (6)	7.323	491490	30.237 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	140649	3.749 ng/ml
23) Aroclor 1242 (2)	6.936	448128	7.449 ng/ml
24) Aroclor 1242 (3)	7.069	225325	7.758 ng/ml
25) Aroclor 1242 (4)	7.152	745129	26.131 ng/ml
26) Aroclor 1242 (5)	7.197	581210	17.599 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_43.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-38
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:26 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.323	491490	14.710 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.908	311463	8.167 ng/ml
30)	Aroclor 1248 (2)	7.152	745129	13.692 ng/ml
31)	Aroclor 1248 (3)	7.197	581210	11.715 ng/ml
32)	Aroclor 1248 (4)	7.323	491490	8.488 ng/ml
33)	Aroclor 1248 (5)	7.692	970209	13.338 ng/ml
34)	Aroclor 1248 (6)	7.848	2161563	36.234 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.670	1857938	26.103 ng/ml
37)	Aroclor 1254 (2)	7.848	2161563	19.852 ng/ml
38)	Aroclor 1254 (3)	8.153	1904555	17.078 ng/ml
39)	Aroclor 1254 (4)	8.407	1004682	12.288 ng/ml
40)	Aroclor 1254 (5)	8.746	1822223	21.115 ng/ml
41)	Aroclor 1254 (6)	8.998	1277170	52.915 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.304	1557423	16.201 ng/ml
44)	Aroclor 1260 (2)	8.511	1997890	17.396 ng/ml
45)	Aroclor 1260 (3)	8.746	1822223	16.119 ng/ml
46)	Aroclor 1260 (4)	9.251	1685443	10.260 ng/ml
47)	Aroclor 1260 (5)	9.527	1066787	10.981 ng/ml
48)	Aroclor 1260 (6)	10.137	420531	10.859 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.511	1997890	24.960 ng/ml
51)	Aroclor 1262 (2)	8.816	973636	8.548 ng/ml
52)	Aroclor 1262 (3)	8.998	1277170	14.458 ng/ml
53)	Aroclor 1262 (4)	9.251	1685443	9.884 ng/ml
54)	Aroclor 1262 (5)	9.527	1066787	10.132 ng/ml
55)	Aroclor 1262 (6)	10.137	420531	9.241 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.048	158670	3.280 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_43.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:17 pm
 Operator :
 Sample : A0I0556-38
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:26 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.527	1066787	5.646 ng/ml
59)	Aroclor 1268 (3)	9.597	522257	3.456 ng/ml
60)	Aroclor 1268 (4)	9.830	4920800	36.898 ng/ml
61)	Aroclor 1268 (5)	10.137	420531	8.478 ng/ml
62)	Aroclor 1268 (6)	10.517	10944947	31.928 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

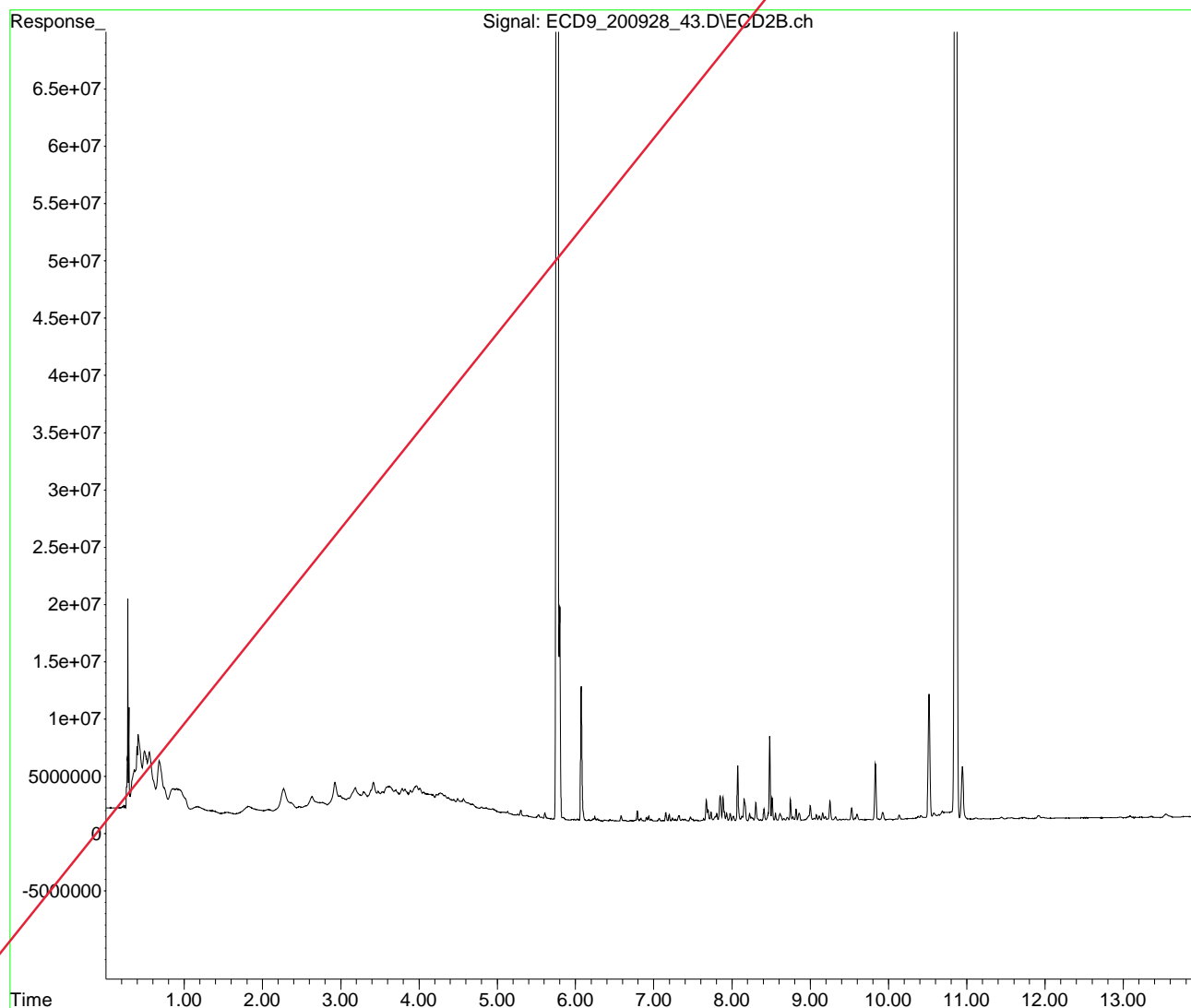
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_43.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:17 pm
Operator :
Sample : A0I0556-38
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:26 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_47.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:53 pm
 Operator :
 Sample : A0I0556-39
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

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1260 P-12
 1268 P-12

Integration File: events.e
 Quant Time: Sep 29 09:41:32 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

N.R. Confirm on
 Front Column.

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.764	745508989	466.228 ng/ml	
64) S DCBP (S)	10.858	343718392	484.098 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	6.443	411556	7.257 ng/ml	
3) Aroclor 1016 (2)	6.935	1418712	15.628 ng/ml	
4) Aroclor 1016 (3)	7.064	543952	12.626 ng/ml	MDL=MRL
5) Aroclor 1016 (4)	7.151	3296715	70.690 ng/ml	
6) Aroclor 1016 (5)	7.196	3699632	72.943 ng/ml	
7) Aroclor 1016 (6)	7.323	2498161	50.098 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.967	59341	5.394 ng/ml	
10) Aroclor 1221 (2)	6.017	33641	3.029 ng/ml	
11) Aroclor 1221 (3)	6.074	12326313	337.251 ng/ml	16.539 MI
12) Aroclor 1221 (4)	6.618	200143	25.299 ng/ml	
13) Aroclor 1221 (5)	6.935	1418712	235.892 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	6.074	12326313	404.237 ng/ml	19.382 MI
16) Aroclor 1232 (2)	6.443	411556	20.370 ng/ml	
17) Aroclor 1232 (3)	6.935	1418712	42.290 ng/ml	
18) Aroclor 1232 (4)	7.151	3296715	236.381 ng/ml	R-02
19) Aroclor 1232 (5)	7.196	3699632	232.547 ng/ml	
20) Aroclor 1232 (6)	7.323	2498161	153.691 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	6.443	411556	10.970 ng/ml	
23) Aroclor 1242 (2)	6.935	1418712	23.581 ng/ml	
24) Aroclor 1242 (3)	7.064	543952	18.728 ng/ml	R-02
25) Aroclor 1242 (4)	7.151	3296715	115.611 ng/ml	
26) Aroclor 1242 (5)	7.196	3699632	112.024 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_47.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:53 pm
 Operator :
 Sample : A0I0556-39
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:32 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.323	2498161	74.768 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.908	993784	26.058 ng/ml	
30) Aroclor 1248 (2)	7.151	3296715	60.580 ng/ml	
31) Aroclor 1248 (3)	7.196	3699632	74.571 ng/ml	R-02
32) Aroclor 1248 (4)	7.323	2498161	43.143 ng/ml	
33) Aroclor 1248 (5)	7.691	4667319	64.163 ng/ml	
34) Aroclor 1248 (6)	7.851	6961537	116.694 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.671	5193945	72.971 ng/ml	
37) Aroclor 1254 (2)	7.851	6961537	63.935 ng/ml	
38) Aroclor 1254 (3)	8.165	4819005	43.212 ng/ml	
39) Aroclor 1254 (4)	8.406	4050394	49.539 ng/ml	R-02
40) Aroclor 1254 (5)	8.748	5641760	65.373 ng/ml	
41) Aroclor 1254 (6)	8.966	1807642	74.894 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.303	5158353	53.659 ng/ml	
44) Aroclor 1260 (2)	8.511	7944528	69.173 ng/ml	57.579
45) Aroclor 1260 (3)	8.748	5641760	49.905 ng/ml	
46) Aroclor 1260 (4)	9.250	17621527	107.270 ng/ml	
47) Aroclor 1260 (5)	9.529	16190965	166.659 ng/ml	
48) Aroclor 1260 (6)	10.135	10018880	258.699 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.511	7944528	99.252 ng/ml	
51) Aroclor 1262 (2)	8.816	15751878	138.301 ng/ml	
52) Aroclor 1262 (3)	8.997	6698404	75.829 ng/ml	
53) Aroclor 1262 (4)	9.250	17621527	103.334 ng/ml	
54) Aroclor 1262 (5)	9.529	16190965	153.777 ng/ml	
55) Aroclor 1262 (6)	10.135	10018880	220.149 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.042	2829354	58.491 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_47.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 07:53 pm
 Operator :
 Sample : A0I0556-39
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:32 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units	
58)	Aroclor 1268 (2)	9.529	16190965	85.686 ng/ml	
59)	Aroclor 1268 (3)	9.598	12482731	82.615 ng/ml	
60)	Aroclor 1268 (4)	9.829	6369202	47.759 ng/ml	64.988
61)	Aroclor 1268 (5)	10.135	10018880	201.977 ng/ml	
62)	Aroclor 1268 (6)	10.517	17272398	50.387 ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml	

(f)=RT Delta > 1/2 Window

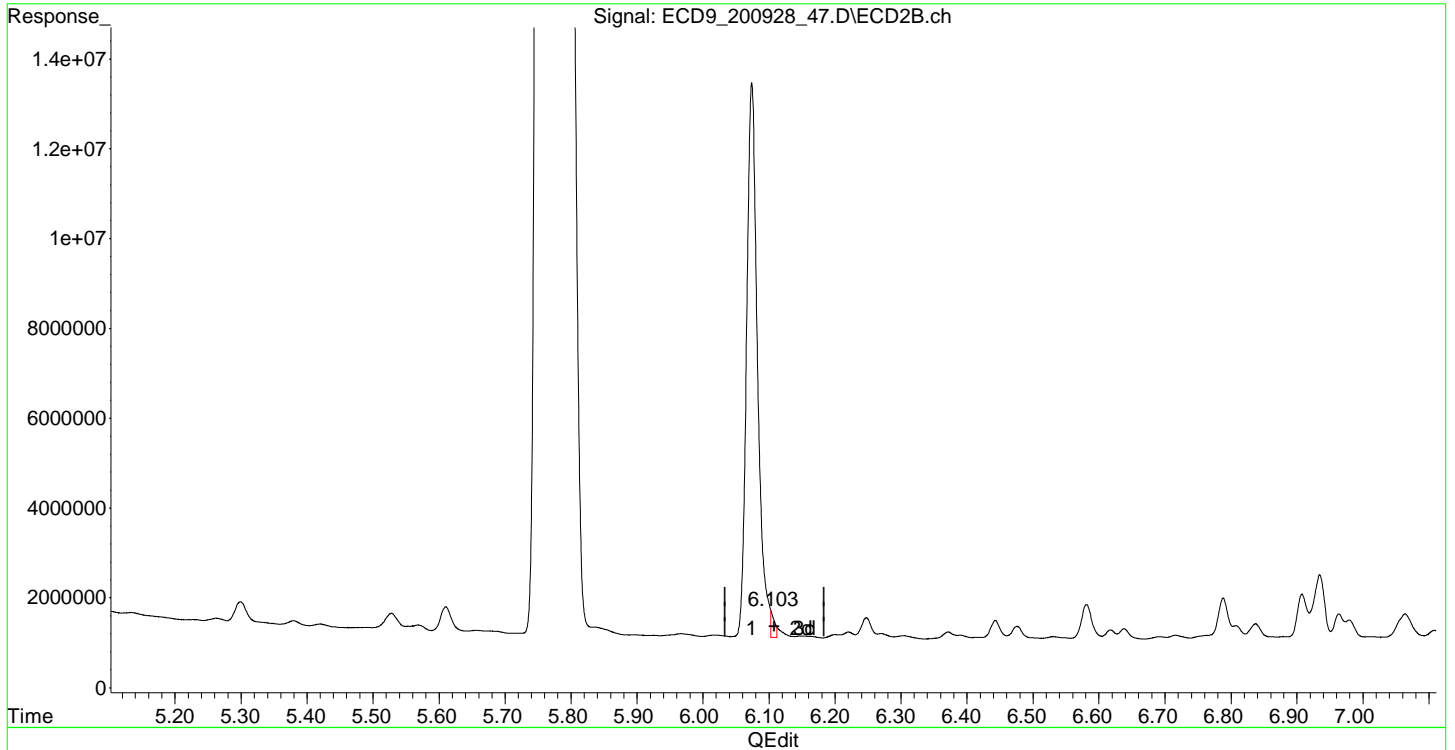
(m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_47.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:53 pm
Operator :
Sample : A0I0556-39
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:32 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(11) Aroclor 1221 (3)
6.103min 16.539 ng/ml m
response 604482

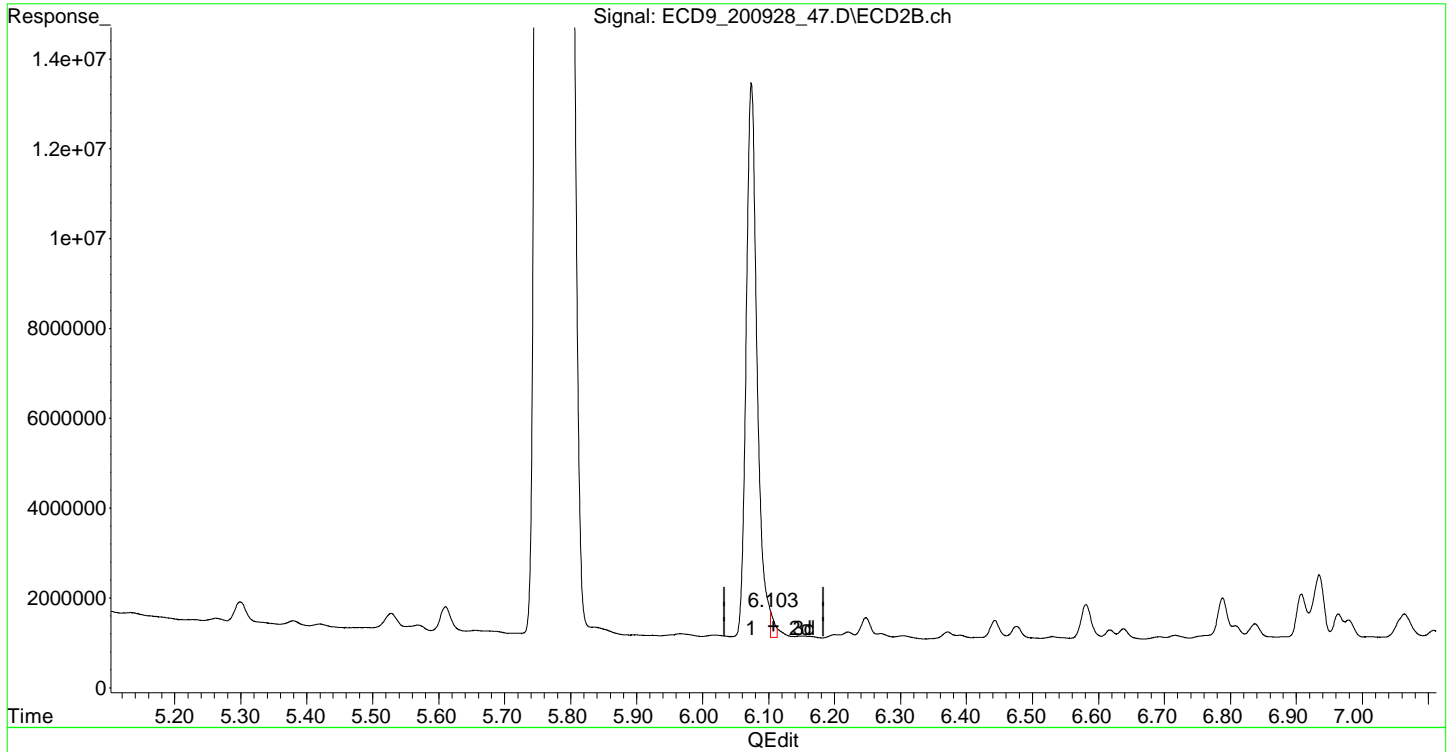
KAK 9/29/2020

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_47.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:53 pm
Operator :
Sample : A0I0556-39
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:32 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(15) Aroclor 1232 (1)
6.103min 19.382 ng/ml m
response 591024

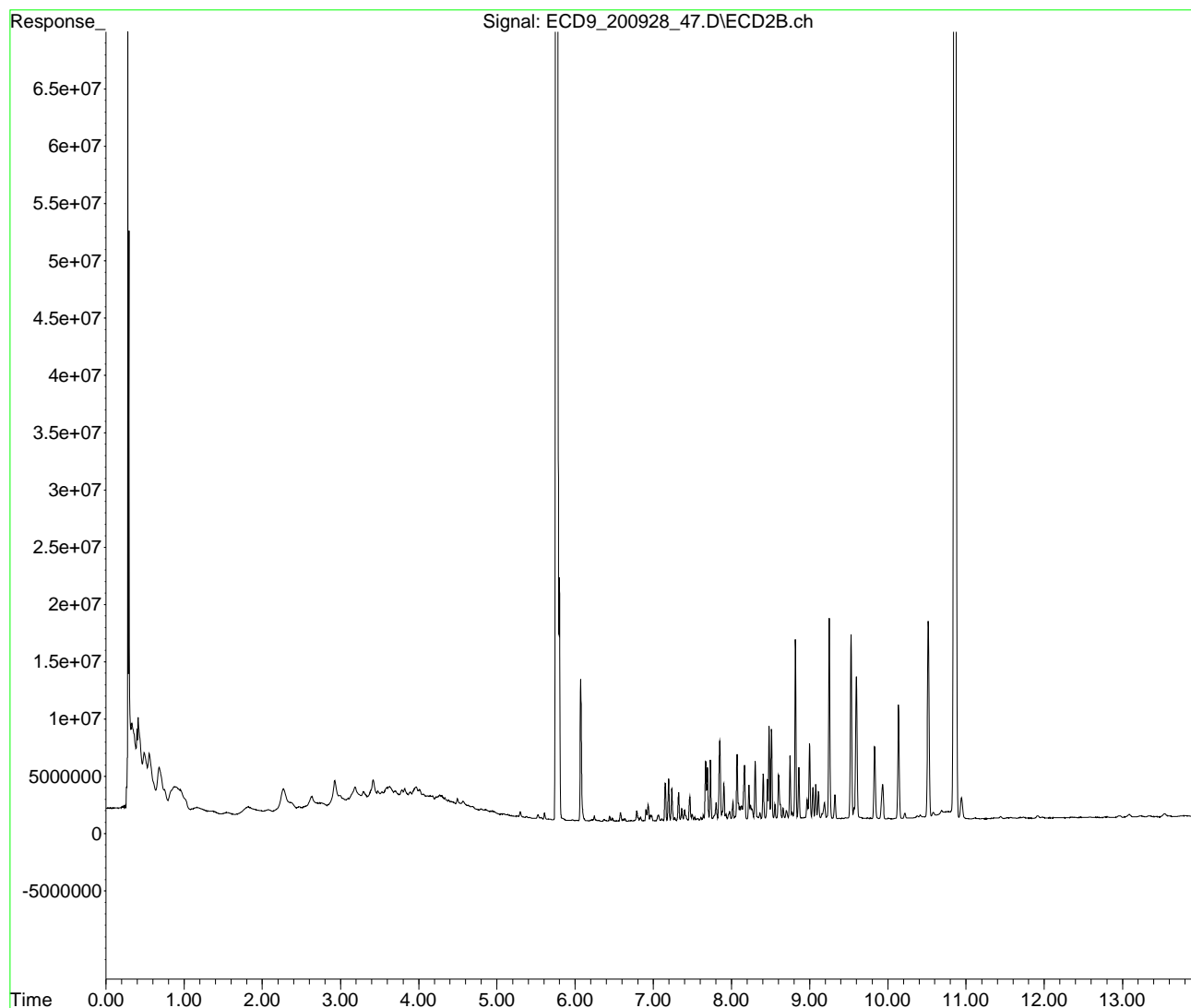
KAK 9/29/2020

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_47.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 07:53 pm
Operator :
Sample : A0I0556-39
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:32 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_51.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 08:28 pm
 Operator :
 Sample : 0I28032-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

KAK 9/29/2020

Integration File: events.e
 Quant Time: Sep 29 09:41:38 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	433475625	271.088 ng/ml
64) S DCBP (S)	10.856	185204897	260.845 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.443	27032065	476.653 ng/ml
3) Aroclor 1016 (2)	6.935	49338317	543.491 ng/ml
4) Aroclor 1016 (3)	7.063	21978177	510.152 ng/ml
5) Aroclor 1016 (4)	7.151	22661175	485.917 ng/ml
6) Aroclor 1016 (5)	7.197	24589361	484.809 ng/ml
7) Aroclor 1016 (6)	7.323	24439070	490.098 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.942	1704475	154.930 ng/ml
10) Aroclor 1221 (2)	6.016	3373347	303.740 ng/ml
11) Aroclor 1221 (3)	6.103	15384888	420.934 ng/ml
12) Aroclor 1221 (4)	6.618	15906237	2010.632 ng/ml
13) Aroclor 1221 (5)	6.935	49338317	8203.568 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.103	15384888	504.542 ng/ml
16) Aroclor 1232 (2)	6.443	27032065	1337.925 ng/ml
17) Aroclor 1232 (3)	6.935	49338317	1470.702 ng/ml
18) Aroclor 1232 (4)	7.151	22661175	1624.849 ng/ml
19) Aroclor 1232 (5)	7.197	24589361	1545.608 ng/ml
20) Aroclor 1232 (6)	7.323	24439070	1503.529 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.443	27032065	720.554 ng/ml
23) Aroclor 1242 (2)	6.935	49338317	820.081 ng/ml
24) Aroclor 1242 (3)	7.063	21978177	756.693 ng/ml
25) Aroclor 1242 (4)	7.151	22661175	794.692 ng/ml
26) Aroclor 1242 (5)	7.197	24589361	744.561 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_51.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 08:28 pm
 Operator :
 Sample : 0I28032-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:38 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	7.323	24439070	731.439 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.908	40728190	1067.927 ng/ml
30) Aroclor 1248 (2)	7.151	22661175	416.421 ng/ml
31) Aroclor 1248 (3)	7.197	24589361	495.629 ng/ml
32) Aroclor 1248 (4)	7.323	24439070	422.058 ng/ml
33) Aroclor 1248 (5)	7.691	5340205	73.413 ng/ml
34) Aroclor 1248 (6)	7.851	19851392	332.763 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.669	18782104	263.876 ng/ml
37) Aroclor 1254 (2)	7.851	19851392	182.315 ng/ml
38) Aroclor 1254 (3)	8.165	11697967	104.896 ng/ml
39) Aroclor 1254 (4)	8.407	7849860	96.008 ng/ml
40) Aroclor 1254 (5)	8.745	61294967	710.245 ng/ml
41) Aroclor 1254 (6)	8.966	8920320	369.585 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.303	49227069	512.073 ng/ml
44) Aroclor 1260 (2)	8.510	59564884	518.628 ng/ml
45) Aroclor 1260 (3)	8.745	61294967	542.189 ng/ml
46) Aroclor 1260 (4)	9.249	94087295	572.753 ng/ml
47) Aroclor 1260 (5)	9.527	52794489	543.431 ng/ml
48) Aroclor 1260 (6)	10.135	20760678	536.065 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.510	59564884	744.154 ng/ml
51) Aroclor 1262 (2)	8.815	43749910	384.123 ng/ml
52) Aroclor 1262 (3)	8.997	43558194	493.096 ng/ml
53) Aroclor 1262 (4)	9.249	94087295	551.735 ng/ml
54) Aroclor 1262 (5)	9.527	52794489	501.425 ng/ml
55) Aroclor 1262 (6)	10.135	20760678	456.183 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.041	3308493	68.396 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_51.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 08:28 pm
 Operator :
 Sample : 0I28032-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:38 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.527	52794489	279.401 ng/ml
59)	Aroclor 1268 (3)	9.596	20816582	137.771 ng/ml
60)	Aroclor 1268 (4)	9.828	4019668	30.141 ng/ml
61)	Aroclor 1268 (5)	10.135	20760678	418.528 ng/ml
62)	Aroclor 1268 (6)	10.515	10599903	30.922 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

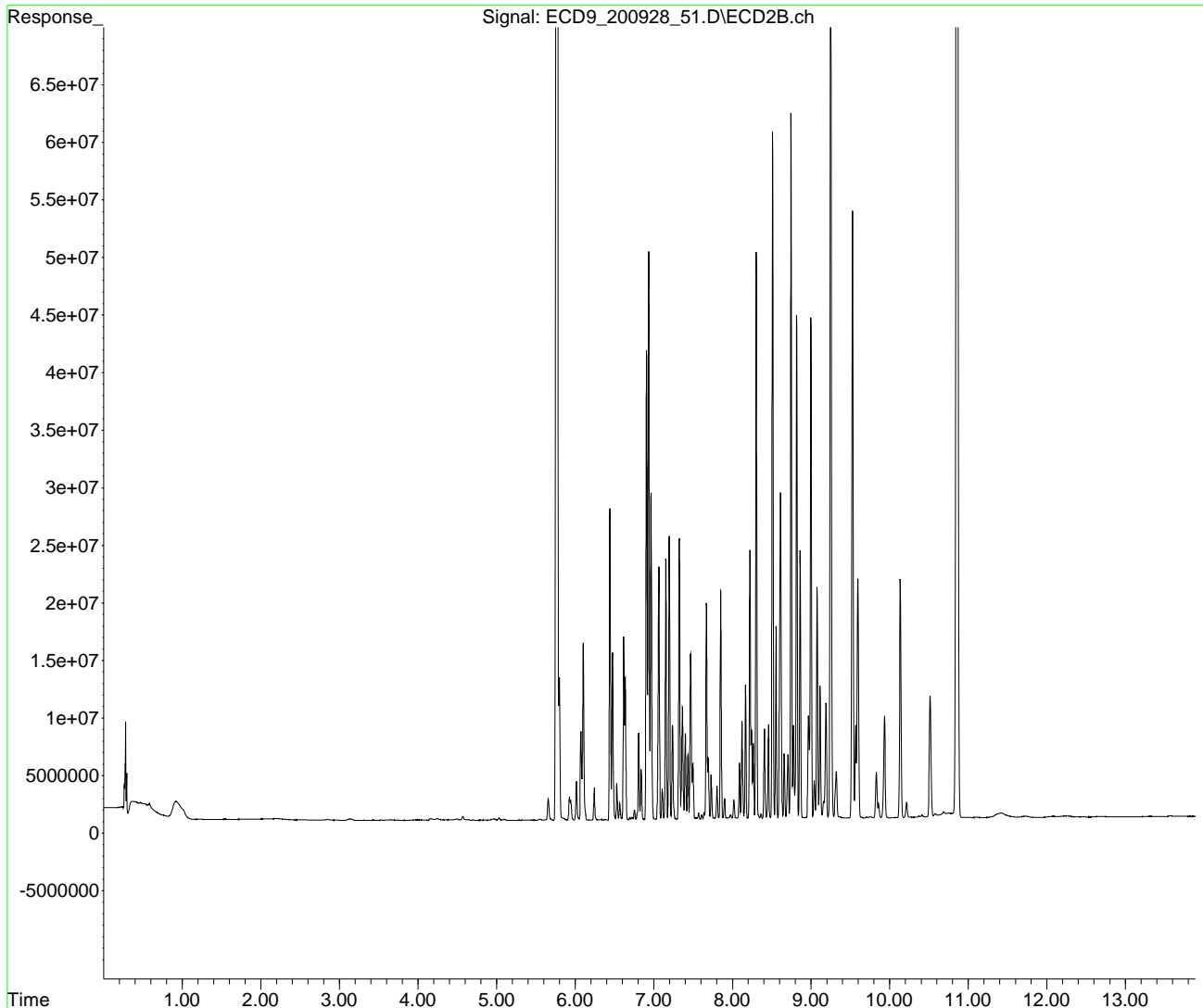
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_51.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 08:28 pm
Operator :
Sample : 0I28032-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:38 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_53.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 08:46 pm
 Operator :
 Sample : 0I28032-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: events.e
 Quant Time: Sep 29 09:41:44 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	174783802	109.307 ng/ml
64) S DCBP (S)	10.855	75596639	106.471 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.440	31968	0.564 ng/ml
3) Aroclor 1016 (2)	6.934	36077	0.397 ng/ml
4) Aroclor 1016 (3)	7.069	73215	1.699 ng/ml
5) Aroclor 1016 (4)	7.161	64315	1.379 ng/ml
6) Aroclor 1016 (5)	7.195	43896	0.865 ng/ml
7) Aroclor 1016 (6)	7.323	39477	0.792 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.961	44432	4.039 ng/ml
10) Aroclor 1221 (2)	6.012	24953	2.247 ng/ml
11) Aroclor 1221 (3)	6.074	3419694	93.564 ng/ml
12) Aroclor 1221 (4)	6.656	41136	5.200 ng/ml
13) Aroclor 1221 (5)	6.934	36077	5.999 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.074	3419694	112.148 ng/ml
16) Aroclor 1232 (2)	6.440	31968	1.582 ng/ml
17) Aroclor 1232 (3)	6.934	36077	1.075 ng/ml
18) Aroclor 1232 (4)	7.161	64315	4.612 ng/ml
19) Aroclor 1232 (5)	7.195	43896	2.759 ng/ml
20) Aroclor 1232 (6)	7.323	39477	2.429 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.440	31968	0.852 ng/ml
23) Aroclor 1242 (2)	6.934	36077	0.600 ng/ml
24) Aroclor 1242 (3)	7.069	73215	2.521 ng/ml
25) Aroclor 1242 (4)	7.161	64315	2.255 ng/ml
26) Aroclor 1242 (5)	7.195	43896	1.329 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_53.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 08:46 pm
 Operator :
 Sample : 0I28032-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:44 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.323	39477	1.182 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.914	90174	2.364 ng/ml
30)	Aroclor 1248 (2)	7.161	64315	1.182 ng/ml
31)	Aroclor 1248 (3)	7.195	43896	0.885 ng/ml
32)	Aroclor 1248 (4)	7.323	39477	0.682 ng/ml
33)	Aroclor 1248 (5)	7.668	1068929	14.695 ng/ml
34)	Aroclor 1248 (6)	7.856	78578	1.317 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.668	1068929	15.018 ng/ml
37)	Aroclor 1254 (2)	7.856	78578	0.722 ng/ml
38)	Aroclor 1254 (3)	8.171	40648	0.364 ng/ml
39)	Aroclor 1254 (4)	8.415	167130	2.044 ng/ml
40)	Aroclor 1254 (5)	8.753	34555	0.400 ng/ml
41)	Aroclor 1254 (6)	8.997	320253	13.269 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.304	55895	0.581 ng/ml
44)	Aroclor 1260 (2)	8.511	75083	0.654 ng/ml
45)	Aroclor 1260 (3)	8.753	34555	0.306 ng/ml
46)	Aroclor 1260 (4)	9.260	29236	0.178 ng/ml
47)	Aroclor 1260 (5)	9.526	36697	0.378 ng/ml
48)	Aroclor 1260 (6)	10.124	97646	2.521 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.511	75083	0.938 ng/ml
51)	Aroclor 1262 (2)	8.819	39763	0.349 ng/ml
52)	Aroclor 1262 (3)	8.997	320253	3.625 ng/ml
53)	Aroclor 1262 (4)	9.250	32726	0.192 ng/ml
54)	Aroclor 1262 (5)	9.526	36697	0.349 ng/ml
55)	Aroclor 1262 (6)	10.124	97646	2.146 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.069	41194	0.852 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
 Data File : ECD9_200928_53.D
 Signal(s) : ECD2B.ch
 Acq On : 28 Sep 2020 08:46 pm
 Operator :
 Sample : 0I28032-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 09:41:44 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.526	36697	0.194 ng/ml
59)	Aroclor 1268 (3)	9.593	28303	0.187 ng/ml
60)	Aroclor 1268 (4)	9.829	1685581	12.639 ng/ml
61)	Aroclor 1268 (5)	10.124	97646	1.969 ng/ml
62)	Aroclor 1268 (6)	10.515	3166532	9.237 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

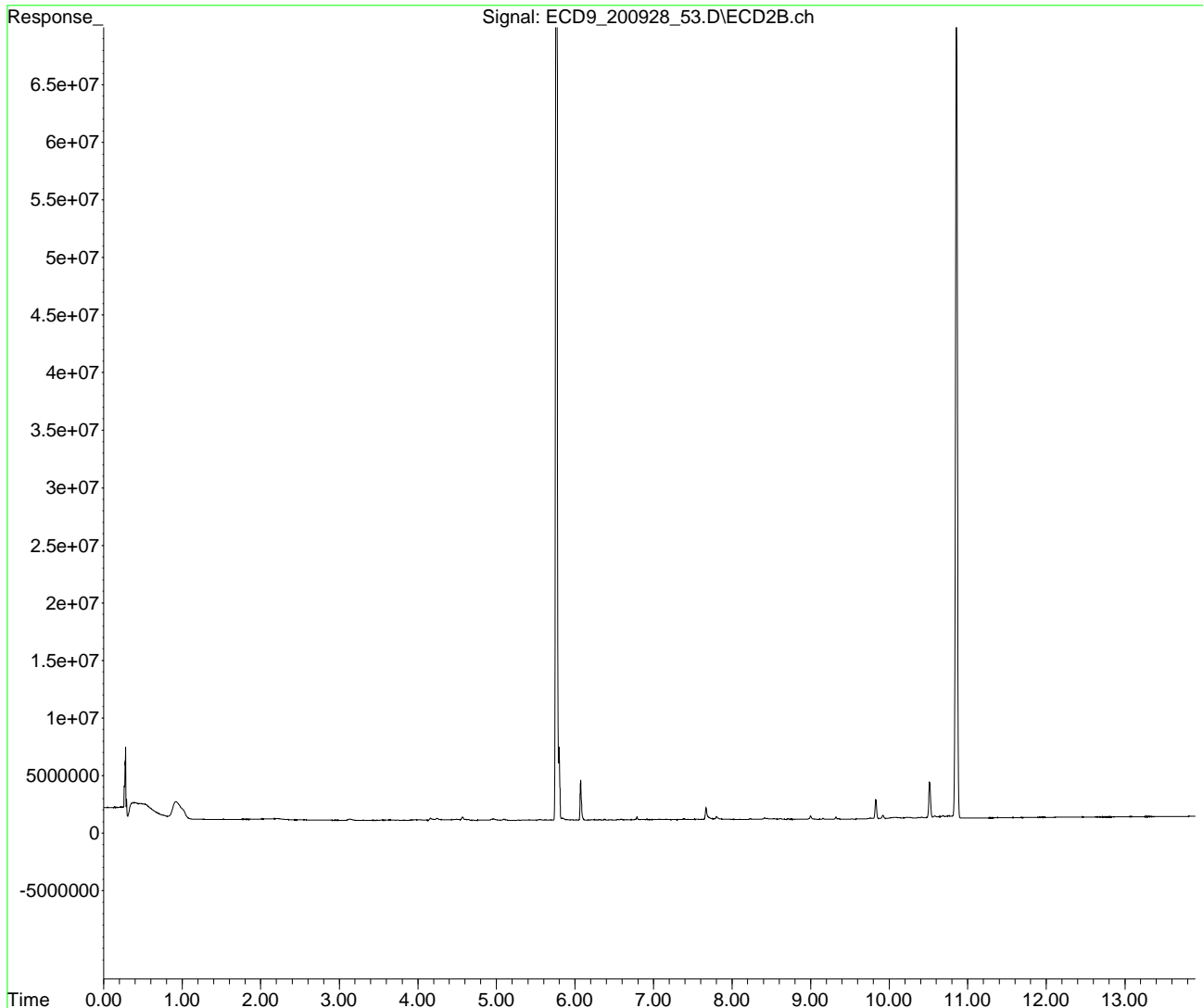
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I28032\
Data File : ECD9_200928_53.D
Signal(s) : ECD2B.ch
Acq On : 28 Sep 2020 08:46 pm
Operator :
Sample : 0I28032-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 09:41:44 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Sequence 0129025 (A0I0556-40,42)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0129025

Instrument: DUALECD9F

Date: 09/29/20 06:24

Calibration: A011008

#	<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	0129025-CCV1	Sediment	QC	QC				A201167
2	0129025-CCB1	Sediment	QC	QC				A201313
3	A010556-40	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
4	0129025-IBL1	Sediment	QC	QC				
5	A010556-41	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
6	0129025-IBL2	Sediment	QC	QC				
7	A010556-42	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
8	0129025-IBL3	Sediment	QC	QC				
9	0129025-CCV2	Sediment	QC	QC				A201167
10	0129025-CCB2	Sediment	QC	QC				A201313

Data Entered By/Date: KAK 9/30/2020

Comments:

Data Reviewed By/Date: MKZ 9/30/2020

9/30/2020 11:03:27AM

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.

0I29025-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	500.97
1016 (2)	552.88
1016 (3)	510.38
1016 (4)	490.61
1016 (5)	513.81
1016 (6)	516.07
Average:	514.12

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	519.64
1260 (2)	526.01
1260 (3)	527.75
1260 (4)	560.10
1260 (5)	558.99
1260 (6)	531.32
Average:	537.30

0I29025-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	527.51
1016 (2)	594.44
1016 (3)	523.33
1016 (4)	514.40
1016 (5)	528.69
1016 (6)	524.46
Average:	535.47

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	525.53
1260 (2)	545.34
1260 (3)	551.91
1260 (4)	607.15
1260 (5)	577.48
1260 (6)	555.31
Average:	560.45

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_04.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.892	354855328	263.577 ng/ml
64) S DCBP (S)	9.748	245372309	258.255 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.817	27257547	500.973 ng/ml
3) Aroclor 1016 (2)	6.234	50190915	552.884 ng/ml
4) Aroclor 1016 (3)	6.315	28640190	510.382 ng/ml
5) Aroclor 1016 (4)	6.476	22973298	490.610 ng/ml
6) Aroclor 1016 (5)	6.699	28283825	513.807 ng/ml
7) Aroclor 1016 (6)	6.828	19623755	516.067 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.249	8888953	560.351 ng/ml
10) Aroclor 1221 (2)	5.372	3213700	301.402 ng/ml
11) Aroclor 1221 (3)	5.453	14339850	421.477 ng/ml
12) Aroclor 1221 (4)	5.924	2527923	432.042 ng/ml
13) Aroclor 1221 (5)	6.234	50190915	7828.442 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.453	14339850	504.509 ng/ml
16) Aroclor 1232 (2)	6.234	50190915	1488.586 ng/ml
17) Aroclor 1232 (3)	6.315	28640190	1371.893 ng/ml
18) Aroclor 1232 (4)	6.476	22973298	1632.073 ng/ml
19) Aroclor 1232 (5)	6.699	28283825	1538.818 ng/ml
20) Aroclor 1232 (6)	6.828	19623755	1351.349 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.817	27257547	736.839 ng/ml
23) Aroclor 1242 (2)	6.234	50190915	787.483 ng/ml
24) Aroclor 1242 (3)	6.315	28640190	763.621 ng/ml
25) Aroclor 1242 (4)	6.476	22973298	768.687 ng/ml
26) Aroclor 1242 (5)	6.699	28283825	756.513 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_04.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.828	19623755	642.823	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.222	42194685	1065.703	ng/ml
30)	Aroclor 1248 (2)	6.476	22973298	420.169	ng/ml
31)	Aroclor 1248 (3)	6.699	28283825	435.615	ng/ml
32)	Aroclor 1248 (4)	6.995	5462283	79.140	ng/ml
33)	Aroclor 1248 (5)	7.032	19002478	256.781	ng/ml
34)	Aroclor 1248 (6)	7.526	37077101	953.531	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.032	19002478	261.074	ng/ml
37)	Aroclor 1254 (2)	7.142	18633675	228.387	ng/ml
38)	Aroclor 1254 (3)	7.526	37077101	313.998	ng/ml
39)	Aroclor 1254 (4)	7.684	5506638	72.302	ng/ml
40)	Aroclor 1254 (5)	8.070	48885703	622.939	ng/ml
41)	Aroclor 1254 (6)	8.367	5389928	208.980	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.638	51247708	519.640	ng/ml
44)	Aroclor 1260 (2)	7.772	62202771	526.012	ng/ml
45)	Aroclor 1260 (3)	8.337	46660454	527.747	ng/ml
46)	Aroclor 1260 (4)	8.508	106099850	560.099	ng/ml
47)	Aroclor 1260 (5)	8.812	69102244	558.992	ng/ml
48)	Aroclor 1260 (6)	9.219	27314287	531.324	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.772	62202771	736.134	ng/ml
51)	Aroclor 1262 (2)	8.101	46548650	385.210	ng/ml
52)	Aroclor 1262 (3)	8.337	46660454	473.796	ng/ml
53)	Aroclor 1262 (4)	8.508	106099850	529.665	ng/ml
54)	Aroclor 1262 (5)	8.812	69102244	597.774	ng/ml
55)	Aroclor 1262 (6)	9.219	27314287	451.200	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.337	46660454	853.514	ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_04.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	24719328	102.377 ng/ml
59)	Aroclor 1268 (3)	8.812	69102244	358.460 ng/ml
60)	Aroclor 1268 (4)	8.993	5758917	31.001 ng/ml
61)	Aroclor 1268 (5)	9.219	27314287	396.511 ng/ml
62)	Aroclor 1268 (6)	9.494	14909580	32.094 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

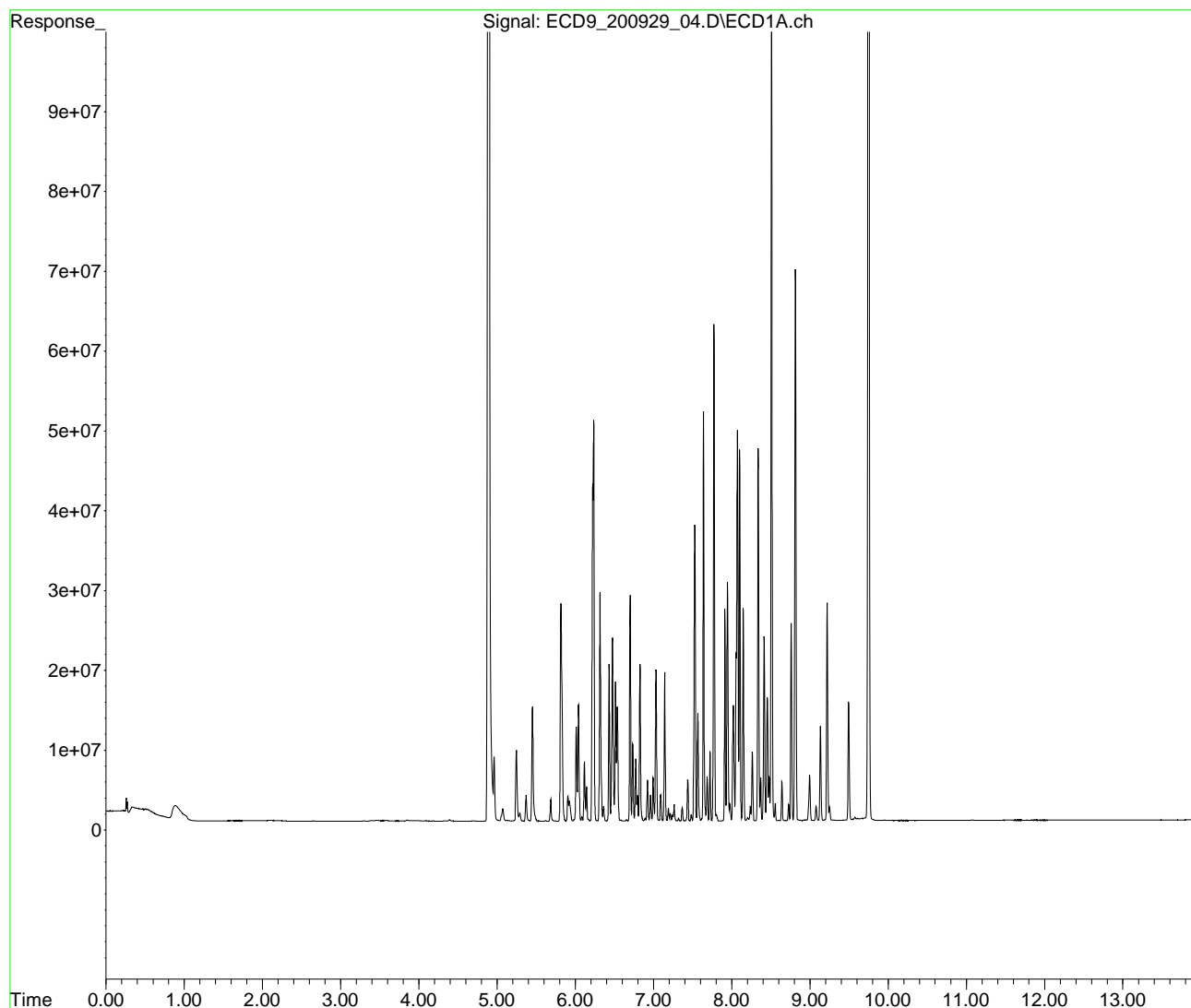
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_04.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 07:37 am
Operator :
Sample : 0I29025-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:11 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_06.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	160494579	119.211 ng/ml
64) S DCBP (S)	9.744	105774208	111.327 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.821	26073	0.479 ng/ml
3) Aroclor 1016 (2)	6.244	44156	0.486 ng/ml
4) Aroclor 1016 (3)	6.313	29889	0.533 ng/ml
5) Aroclor 1016 (4)	6.459	20895	0.446 ng/ml
6) Aroclor 1016 (5)	6.708	30287	0.550 ng/ml
7) Aroclor 1016 (6)	6.822	31051	0.817 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3176707	200.257 ng/ml
10) Aroclor 1221 (2)	5.367	64208	6.022 ng/ml
11) Aroclor 1221 (3)	5.430	63404	1.864 ng/ml
12) Aroclor 1221 (4)	5.926	24929	4.261 ng/ml
13) Aroclor 1221 (5)	6.244	44156	6.887 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.430	63404	2.231 ng/ml
16) Aroclor 1232 (2)	6.244	44156	1.310 ng/ml
17) Aroclor 1232 (3)	6.313	29889	1.432 ng/ml
18) Aroclor 1232 (4)	6.459	20895	1.484 ng/ml
19) Aroclor 1232 (5)	6.708	30287	1.648 ng/ml
20) Aroclor 1232 (6)	6.822	31051	2.138 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.821	26073	0.705 ng/ml
23) Aroclor 1242 (2)	6.244	44156	0.693 ng/ml
24) Aroclor 1242 (3)	6.313	29889	0.797 ng/ml
25) Aroclor 1242 (4)	6.459	20895	0.699 ng/ml
26) Aroclor 1242 (5)	6.708	30287	0.810 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_06.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.822	31051	1.017 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.216	43814	1.107 ng/ml
30)	Aroclor 1248 (2)	6.459	20895	0.382 ng/ml
31)	Aroclor 1248 (3)	6.708	30287	0.466 ng/ml
32)	Aroclor 1248 (4)	7.005	943988	13.677 ng/ml
33)	Aroclor 1248 (5)	7.005	943988	12.756 ng/ml
34)	Aroclor 1248 (6)	7.518	38464	0.989 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	943988	12.969 ng/ml
37)	Aroclor 1254 (2)	7.139	84007	1.030 ng/ml
38)	Aroclor 1254 (3)	7.518	38464	0.326 ng/ml
39)	Aroclor 1254 (4)	7.662	51383	0.675 ng/ml
40)	Aroclor 1254 (5)	8.081	127849	1.629 ng/ml
41)	Aroclor 1254 (6)	8.362	42575	1.651 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.662	51383	0.521 ng/ml
44)	Aroclor 1260 (2)	7.770	33134	0.280 ng/ml
45)	Aroclor 1260 (3)	8.332	53494	0.605 ng/ml
46)	Aroclor 1260 (4)	8.501	150751	0.796 ng/ml
47)	Aroclor 1260 (5)	8.808	74218	0.600 ng/ml
48)	Aroclor 1260 (6)	9.219	67173	1.307 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	33134	0.392 ng/ml
51)	Aroclor 1262 (2)	8.081	127849	1.058 ng/ml
52)	Aroclor 1262 (3)	8.332	53494	0.543 ng/ml
53)	Aroclor 1262 (4)	8.501	150751	0.753 ng/ml
54)	Aroclor 1262 (5)	8.808	74218	0.642 ng/ml
55)	Aroclor 1262 (6)	9.219	67173	1.110 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.332	53494	0.979 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_06.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.762	84506	0.350 ng/ml
59)	Aroclor 1268 (3)	8.808	74218	0.385 ng/ml
60)	Aroclor 1268 (4)	8.993	2187554	11.776 ng/ml
61)	Aroclor 1268 (5)	9.219	67173	0.975 ng/ml
62)	Aroclor 1268 (6)	9.491	4401350	9.474 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

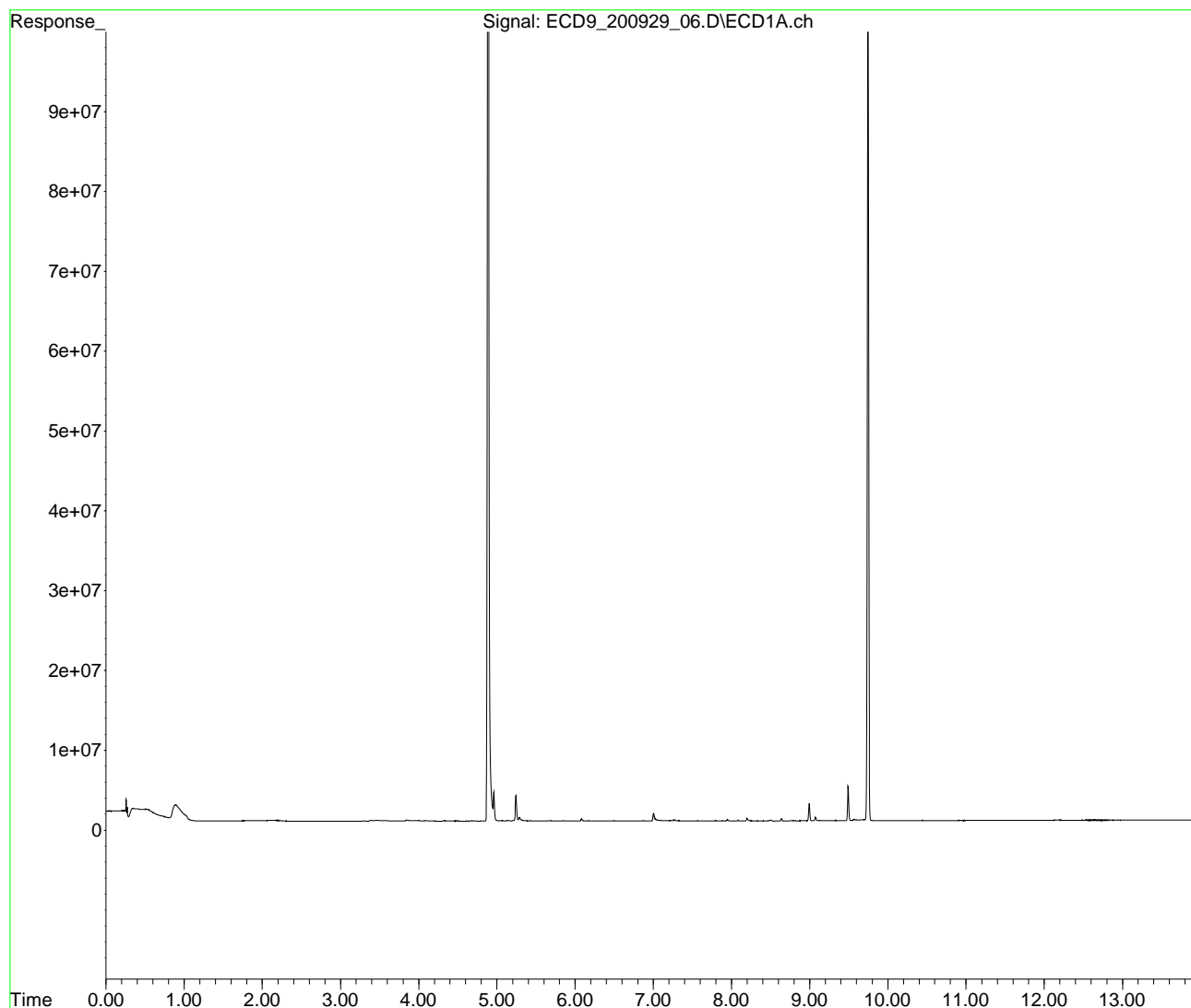
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_06.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 07:54 am
Operator :
Sample : 0I29025-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:17 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_08.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : A0I0556-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

KAK 9/29/2020

1242 (J)
 1254 P-12
 1260 (J)

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.891	625974550	464.957 ng/ml	
64) S DCBP (S)	9.746	485183321	510.656 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	5.817	411916	7.571 ng/ml	
3) Aroclor 1016 (2)	6.233	1037250	11.426 ng/ml	
4) Aroclor 1016 (3)	6.316	678801	12.097 ng/ml	
5) Aroclor 1016 (4)	6.476	1837954	39.251 ng/ml	
6) Aroclor 1016 (5)	6.700	1430584	25.988 ng/ml	
7) Aroclor 1016 (6)	6.827	775337	20.390 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.246	10728529	676.317 ng/ml	
10) Aroclor 1221 (2)	5.363	68293	6.405 ng/ml	
11) Aroclor 1221 (3)	5.436	1592105	46.795 ng/ml	
12) Aroclor 1221 (4)	5.931	132138	22.584 ng/ml	
13) Aroclor 1221 (5)	6.233	1037250	161.783 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.436	1592105	56.014 ng/ml	
16) Aroclor 1232 (2)	6.233	1037250	30.763 ng/ml	
17) Aroclor 1232 (3)	6.316	678801	32.515 ng/ml	
18) Aroclor 1232 (4)	6.476	1837954	130.572 ng/ml	
19) Aroclor 1232 (5)	6.700	1430584	77.833 ng/ml	
20) Aroclor 1232 (6)	6.827	775337	53.392 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.817	411916	11.135 ng/ml	
23) Aroclor 1242 (2)	6.233	1037250	16.274 ng/ml	15.169
24) Aroclor 1242 (3)	6.316	678801	18.099 ng/ml	
25) Aroclor 1242 (4)	6.476	1837954	61.498 ng/ml	
26) Aroclor 1242 (5)	6.700	1430584	38.264 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_08.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : A0I0556-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.827	775337	25.398 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.222	823573	20.801 ng/ml	
30) Aroclor 1248 (2)	6.476	1837954	33.615 ng/ml	
31) Aroclor 1248 (3)	6.700	1430584	22.033 ng/ml	
32) Aroclor 1248 (4)	6.997	1567633	22.713 ng/ml	
33) Aroclor 1248 (5)	7.033	2814071	38.027 ng/ml	
34) Aroclor 1248 (6)	7.518	2724515	70.068 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.033	2814071	38.662 ng/ml	
37) Aroclor 1254 (2)	7.144	2262343	27.729 ng/ml	
38) Aroclor 1254 (3)	7.518	2724515	23.073 ng/ml	
39) Aroclor 1254 (4)	7.683	1568690	20.597 ng/ml	23.862
40) Aroclor 1254 (5)	8.069	2217855	28.262 ng/ml	
41) Aroclor 1254 (6)	8.366	506735	19.647 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.637	2165899	21.962 ng/ml	
44) Aroclor 1260 (2)	7.771	2621165	22.166 ng/ml	
45) Aroclor 1260 (3)	8.335	1060417	11.994 ng/ml	
46) Aroclor 1260 (4)	8.505	2488313	13.136 ng/ml	
47) Aroclor 1260 (5)	8.809	1934229	15.647 ng/ml	13.427
48) Aroclor 1260 (6)	9.217	664792	12.932 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.771	2621165	31.020 ng/ml	
51) Aroclor 1262 (2)	8.099	1233269	10.206 ng/ml	
52) Aroclor 1262 (3)	8.335	1060417	10.768 ng/ml	
53) Aroclor 1262 (4)	8.505	2488313	12.422 ng/ml	
54) Aroclor 1262 (5)	8.809	1934229	16.732 ng/ml	
55) Aroclor 1262 (6)	9.217	664792	10.982 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.335	1060417	19.397 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_08.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : A0I0556-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	680871	2.820 ng/ml
59)	Aroclor 1268 (3)	8.809	1934229	10.034 ng/ml
60)	Aroclor 1268 (4)	8.992	6704825	36.093 ng/ml
61)	Aroclor 1268 (5)	9.217	664792	9.651 ng/ml
62)	Aroclor 1268 (6)	9.491	15824145	34.062 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

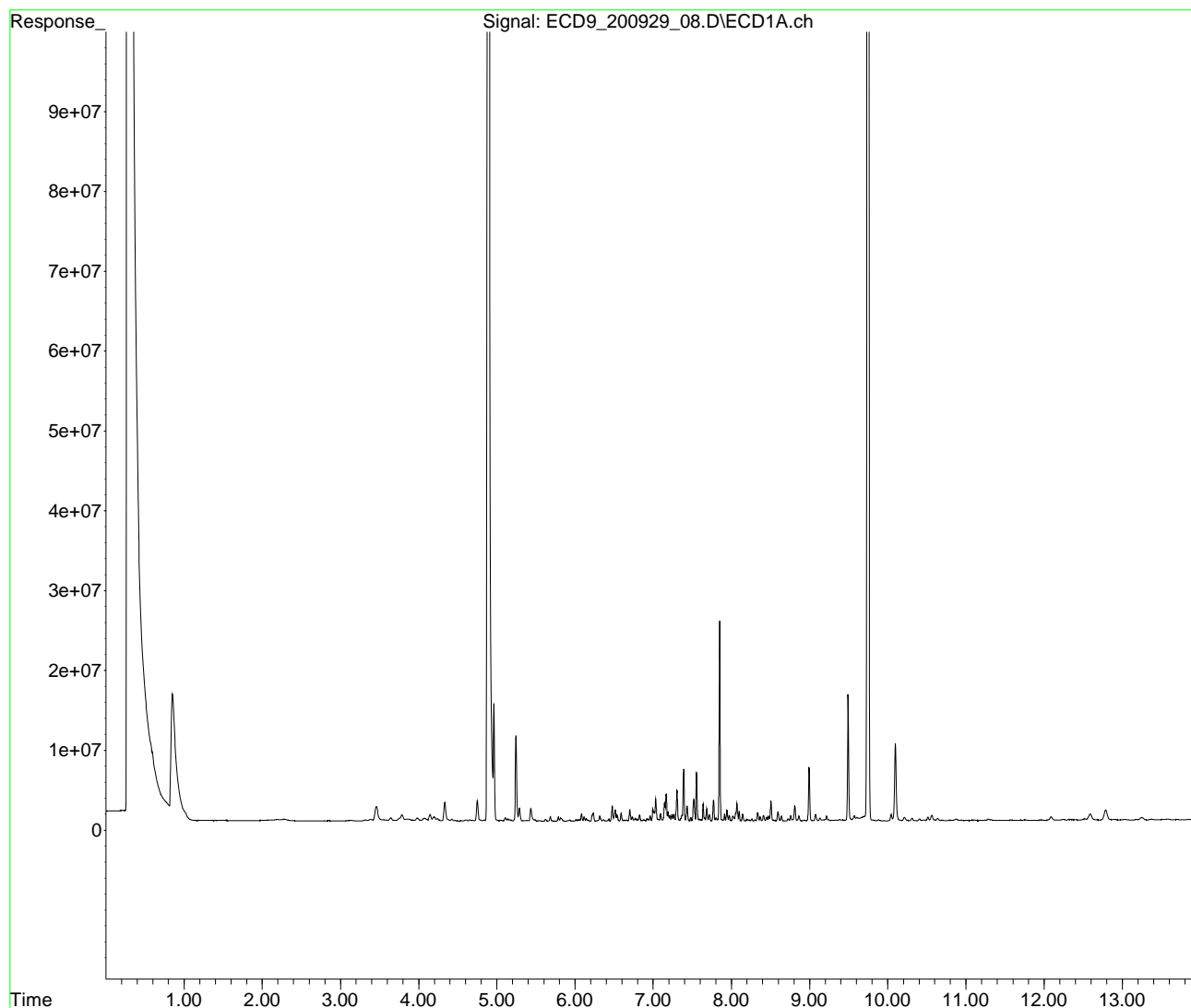
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_08.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:12 am
Operator :
Sample : A0I0556-40
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:22 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/29/2020

RR-7

Integration File: PCB1.e
 Quant Time: Sep 29 15:43:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

1242 (J)

1254 (J)

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
1) S TCMX (S)	4.900	265523329	197.223 ng/ml	
64) S DCBP (S)	9.754	188040621	197.913 ng/ml	S-06
Target Compounds				
2) Aroclor 1016 (1)	5.797	605053	11.120 ng/ml	
3) Aroclor 1016 (2)	6.231	895092	9.860 ng/ml	
4) Aroclor 1016 (3)	6.323	649038	11.566 ng/ml	
5) Aroclor 1016 (4)	6.485	1159180	24.755 ng/ml	
6) Aroclor 1016 (5)	6.710	1212987	22.035 ng/ml	
7) Aroclor 1016 (6)	6.836	664097	17.465 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.256	4726265	297.939 ng/ml	
10) Aroclor 1221 (2)	5.359	476991	44.735 ng/ml	
11) Aroclor 1221 (3)	5.446	1840843	54.106 ng/ml	
12) Aroclor 1221 (4)	5.940	283870	48.516 ng/ml	
13) Aroclor 1221 (5)	6.231	895092	139.610 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.446	1840843	64.765 ng/ml	
16) Aroclor 1232 (2)	6.231	895092	26.547 ng/ml	
17) Aroclor 1232 (3)	6.323	649038	31.090 ng/ml	
18) Aroclor 1232 (4)	6.485	1159180	82.351 ng/ml	
19) Aroclor 1232 (5)	6.710	1212987	65.994 ng/ml	
20) Aroclor 1232 (6)	6.836	664097	45.732 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.827	442308	11.957 ng/mlm	
23) Aroclor 1242 (2)	6.243	1056002	16.568 ng/mlm	15.277
24) Aroclor 1242 (3)	6.323	649038	17.305 ng/ml	
25) Aroclor 1242 (4)	6.485	1159180	38.786 ng/ml	
26) Aroclor 1242 (5)	6.710	1212987	32.444 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:43:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.836	664097	21.754 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.231	895092	22.607 ng/ml	
30) Aroclor 1248 (2)	6.485	1159180	21.201 ng/ml	
31) Aroclor 1248 (3)	6.710	1212987	18.682 ng/ml	
32) Aroclor 1248 (4)	7.005	1310967	18.994 ng/ml	
33) Aroclor 1248 (5)	7.042	1945782	26.293 ng/ml	
34) Aroclor 1248 (6)	7.527	1587497	40.826 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.042	1947135	26.752 ng/mlm	
37) Aroclor 1254 (2)	7.153	1535291	18.818 ng/ml	
38) Aroclor 1254 (3)	7.527	1587497	13.444 ng/ml	
39) Aroclor 1254 (4)	7.693	921304	12.097 ng/ml	14.327
40) Aroclor 1254 (5)	8.078	1254960	15.992 ng/ml	
41) Aroclor 1254 (6)	8.375	291072	11.286 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.647	1339599	13.583 ng/ml	
44) Aroclor 1260 (2)	7.779	1638246	13.854 ng/ml	
45) Aroclor 1260 (3)	8.344	703614	7.958 ng/ml	
46) Aroclor 1260 (4)	8.515	1588074	8.383 ng/ml	
47) Aroclor 1260 (5)	8.819	1151732	9.317 ng/ml	
48) Aroclor 1260 (6)	9.226	371112	7.219 ng/mlm	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.779	1638246	19.388 ng/ml	
51) Aroclor 1262 (2)	8.109	760555	6.294 ng/ml	
52) Aroclor 1262 (3)	8.344	703614	7.145 ng/ml	
53) Aroclor 1262 (4)	8.515	1588074	7.928 ng/ml	
54) Aroclor 1262 (5)	8.819	1151732	9.963 ng/ml	
55) Aroclor 1262 (6)	9.226	371058	6.129 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.311	348628	6.377 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:43:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.768	451303	1.869 ng/ml
59)	Aroclor 1268 (3)	8.819	1151732	5.974 ng/ml
60)	Aroclor 1268 (4)	9.001	2937529	15.813 ng/ml
61)	Aroclor 1268 (5)	9.206	168333	2.444 ng/ml
62)	Aroclor 1268 (6)	9.502	5841564	12.574 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

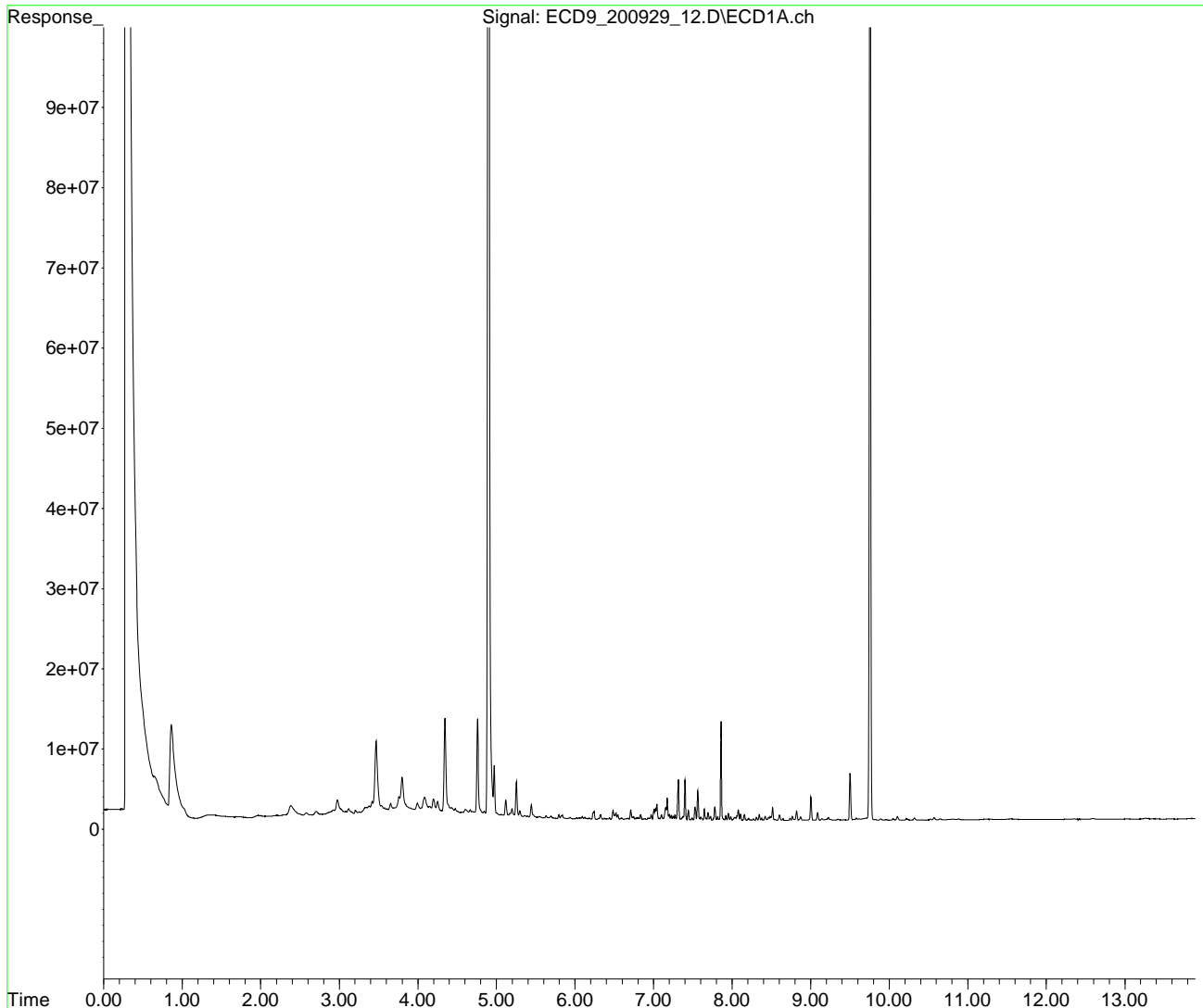
(m)=manual int.

Quantitation Report (QT Reviewed)

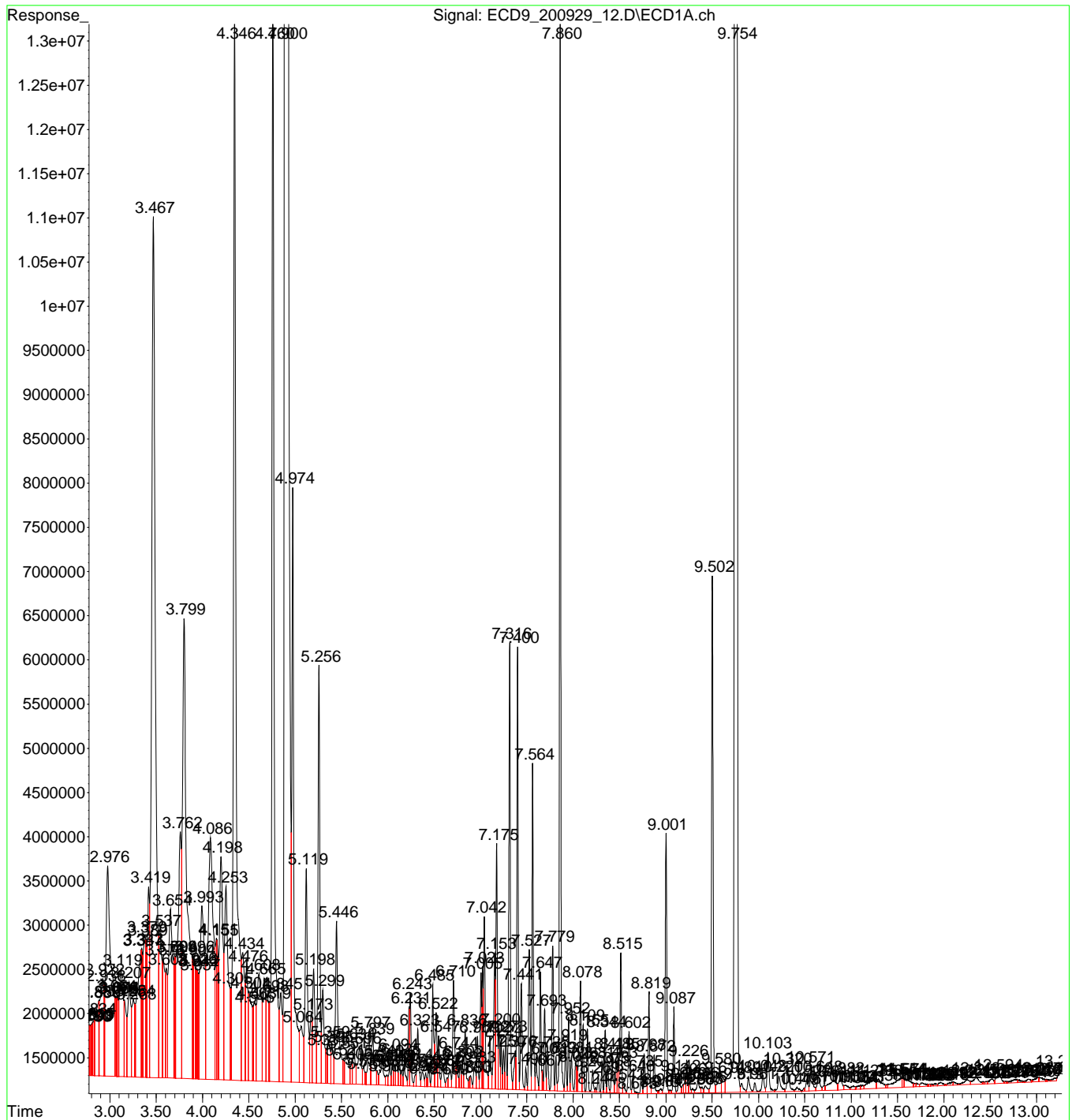
Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:43:49 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



File : C:\Users\organics\Desktop\0I29025\ECD9_200929_12.D
Operator :
Acquired : 29 Sep 2020 08:48 am using AcqMethod ECD9_ACQ_PCBS_200831.M
Instrument : DUALECD9
Sample Name: A0I0556-41
Misc Info :
Vial Number: 5

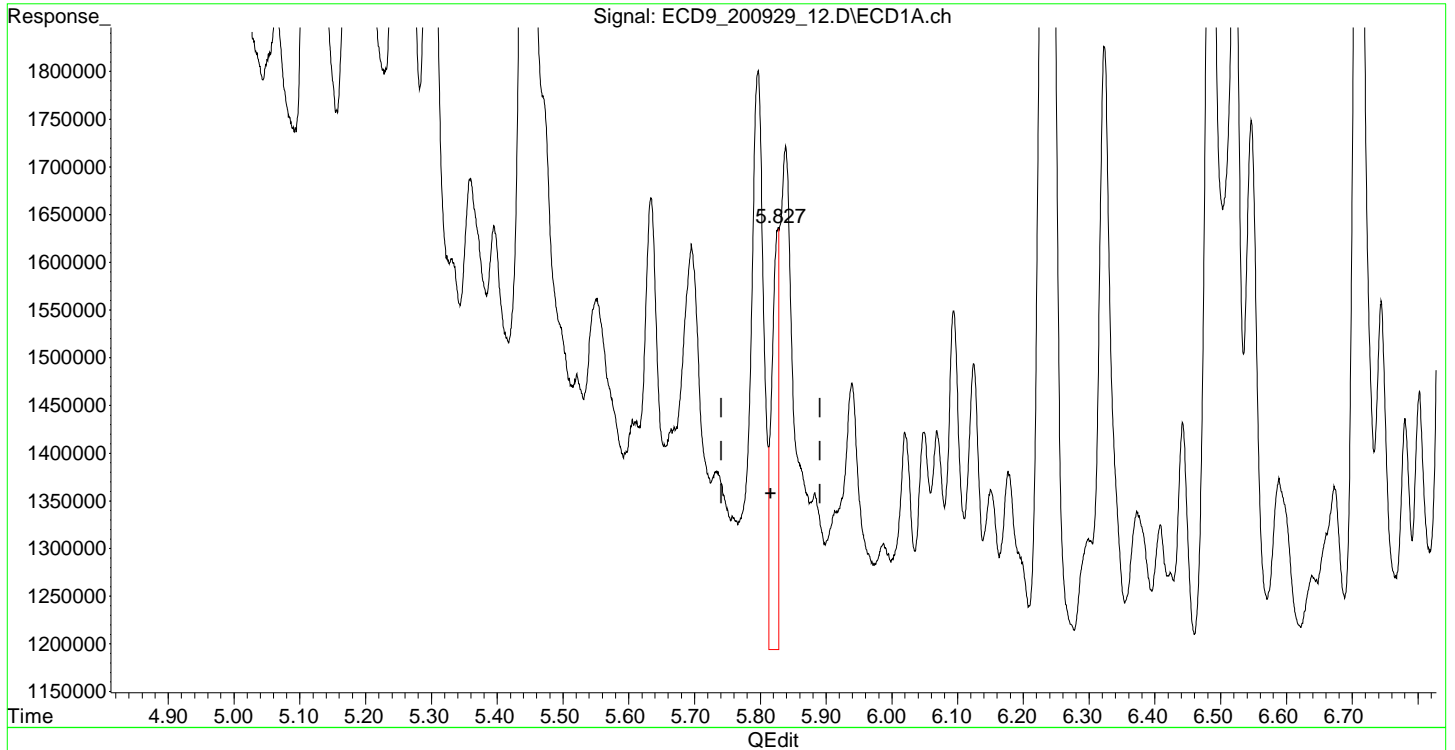


Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(22) Aroclor 1242 (1)
5.827min 11.957 ng/ml m
response 442308

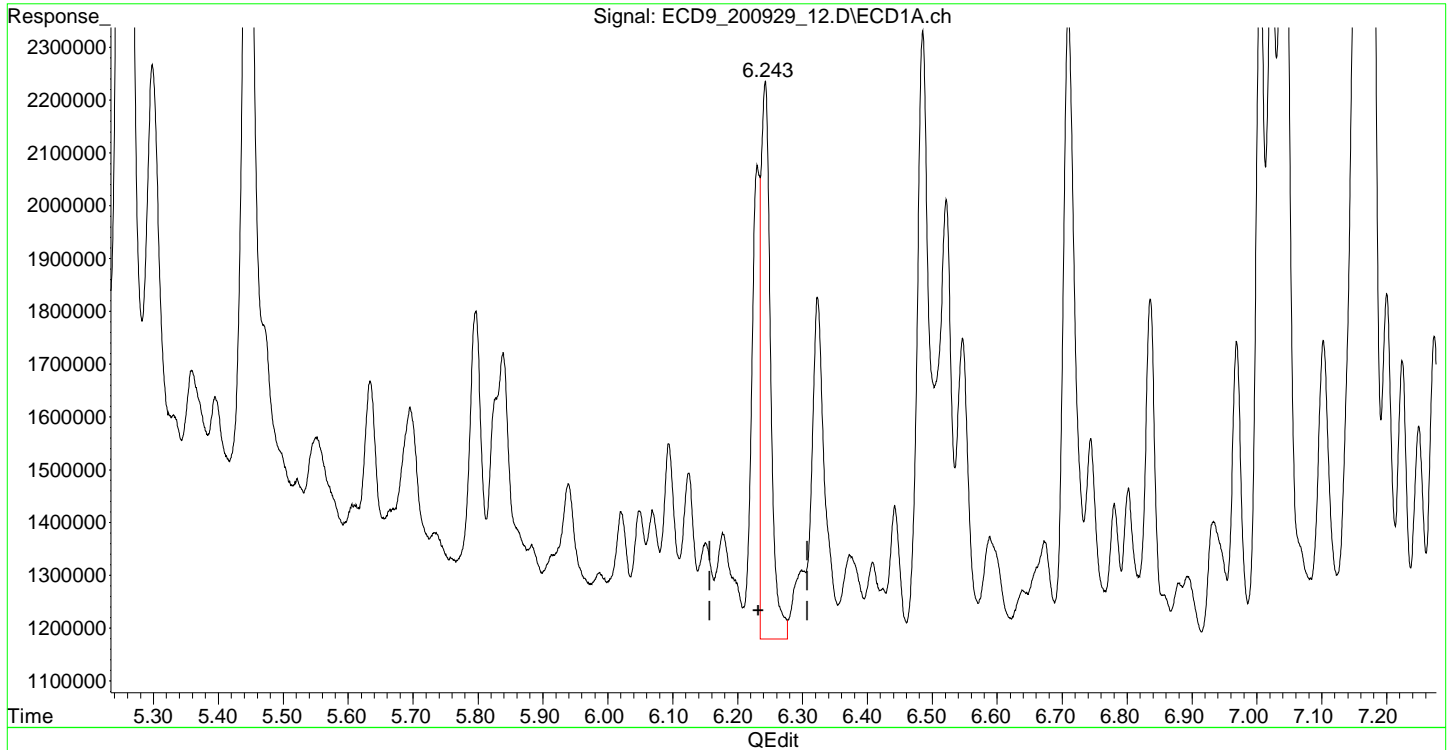
KAK 9/29/2020

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



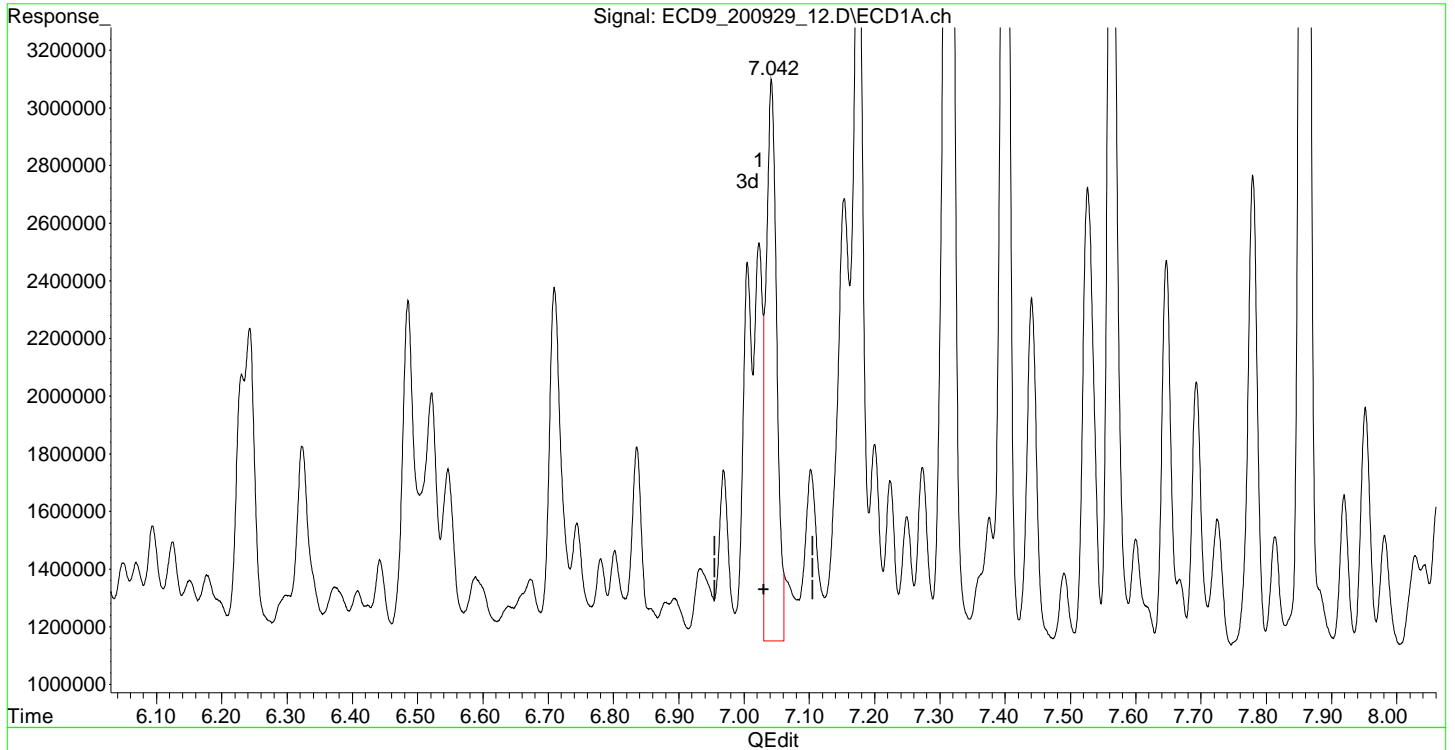
(23) Aroclor 1242 (2)
6.243min 16.568 ng/ml m *KAK 9/29/2020*
response 1056002

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



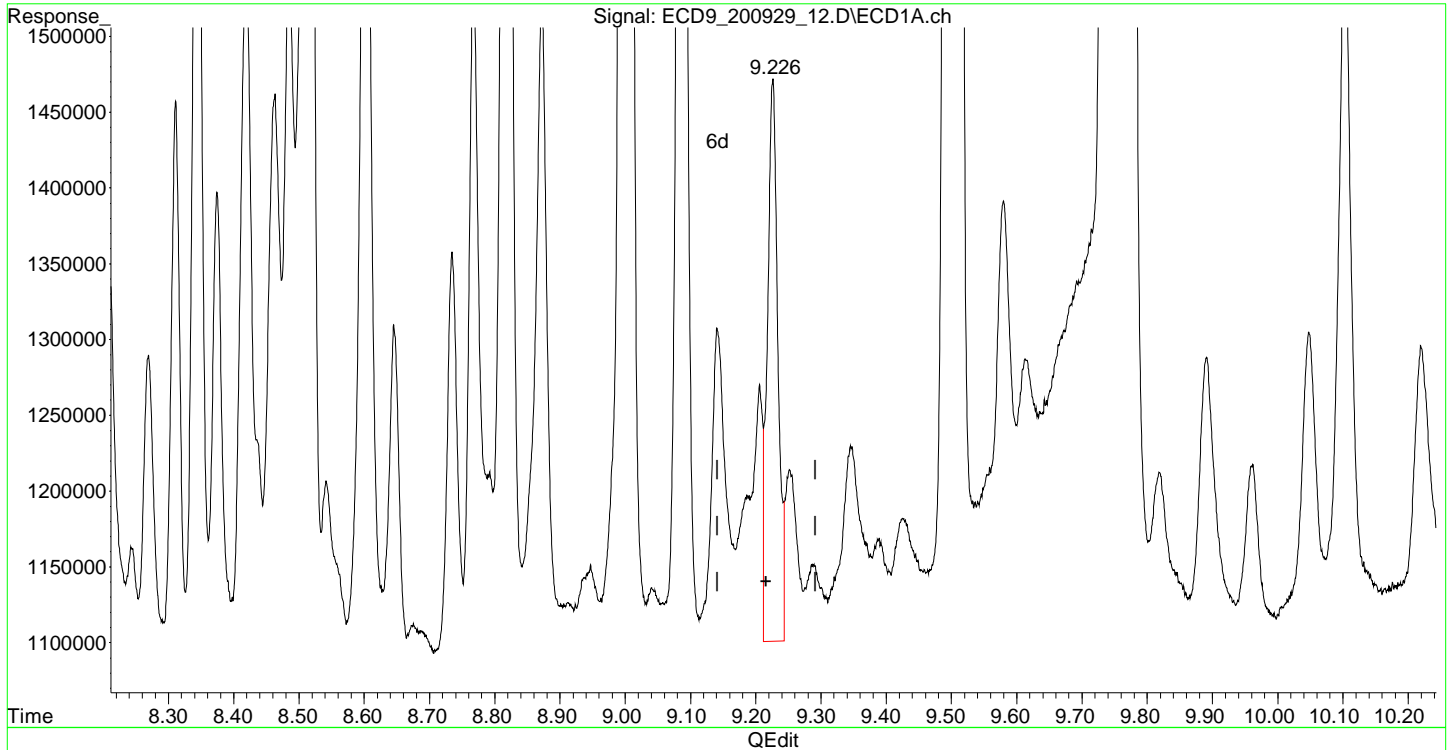
(36) Aroclor 1254 (1)
7.042min 26.752 ng/ml m *KAK 9/29/2020*
response 1947135

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(48) Aroclor 1260 (6)
9.226min 7.219 ng/ml m *KAK 9/29/2020*
response 371112

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/29/2020

MI

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.900	264910523	196.768 ng/ml
64) S DCBP (S)	9.754	188037637	197.910 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.797	480961	8.840 ng/ml
3) Aroclor 1016 (2)	6.231	850094	9.364 ng/ml
4) Aroclor 1016 (3)	6.323	613427	10.932 ng/ml
5) Aroclor 1016 (4)	6.485	1126605	24.059 ng/ml
6) Aroclor 1016 (5)	6.710	1184606	21.520 ng/ml
7) Aroclor 1016 (6)	6.836	638082	16.780 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.256	4329212	272.910 ng/ml
10) Aroclor 1221 (2)	5.359	142395	13.355 ng/ml
11) Aroclor 1221 (3)	5.446	1559175	45.827 ng/ml
12) Aroclor 1221 (4)	5.940	185824	31.759 ng/ml
13) Aroclor 1221 (5)	6.231	850094	132.592 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.446	1559175	54.855 ng/ml
16) Aroclor 1232 (2)	6.231	850094	25.212 ng/ml
17) Aroclor 1232 (3)	6.323	613427	29.384 ng/ml
18) Aroclor 1232 (4)	6.485	1126605	80.036 ng/ml
19) Aroclor 1232 (5)	6.710	1184606	64.450 ng/ml
20) Aroclor 1232 (6)	6.836	638082	43.940 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.797	480961	13.002 ng/ml
23) Aroclor 1242 (2)	6.231	850094	13.338 ng/ml
24) Aroclor 1242 (3)	6.323	613427	16.356 ng/ml
25) Aroclor 1242 (4)	6.485	1126605	37.696 ng/ml
26) Aroclor 1242 (5)	6.710	1184606	31.685 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.836	638082	20.902 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.231	850094	21.471 ng/ml
30)	Aroclor 1248 (2)	6.485	1126605	20.605 ng/ml
31)	Aroclor 1248 (3)	6.710	1184606	18.245 ng/ml
32)	Aroclor 1248 (4)	7.005	1288122	18.663 ng/ml
33)	Aroclor 1248 (5)	7.042	1923625	25.994 ng/ml
34)	Aroclor 1248 (6)	7.527	1574406	40.490 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.023	1356850	18.642 ng/ml
37)	Aroclor 1254 (2)	7.153	1515218	18.572 ng/ml
38)	Aroclor 1254 (3)	7.527	1574406	13.333 ng/ml
39)	Aroclor 1254 (4)	7.693	911329	11.966 ng/ml
40)	Aroclor 1254 (5)	8.078	1252190	15.956 ng/ml
41)	Aroclor 1254 (6)	8.375	290047	11.246 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.647	1328761	13.473 ng/ml
44)	Aroclor 1260 (2)	7.779	1629888	13.783 ng/ml
45)	Aroclor 1260 (3)	8.344	702495	7.945 ng/ml
46)	Aroclor 1260 (4)	8.515	1587481	8.380 ng/ml
47)	Aroclor 1260 (5)	8.819	1151413	9.314 ng/ml
48)	Aroclor 1260 (6)	9.206	166912	3.247 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.779	1629888	19.289 ng/ml
51)	Aroclor 1262 (2)	8.109	758355	6.276 ng/ml
52)	Aroclor 1262 (3)	8.344	702495	7.133 ng/ml
53)	Aroclor 1262 (4)	8.515	1587481	7.925 ng/ml
54)	Aroclor 1262 (5)	8.819	1151413	9.960 ng/ml
55)	Aroclor 1262 (6)	9.226	369580	6.105 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.311	347407	6.355 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.768	451131	1.868 ng/ml
59)	Aroclor 1268 (3)	8.819	1151413	5.973 ng/ml
60)	Aroclor 1268 (4)	9.001	2936692	15.808 ng/ml
61)	Aroclor 1268 (5)	9.206	166912	2.423 ng/ml
62)	Aroclor 1268 (6)	9.502	5839301	12.569 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

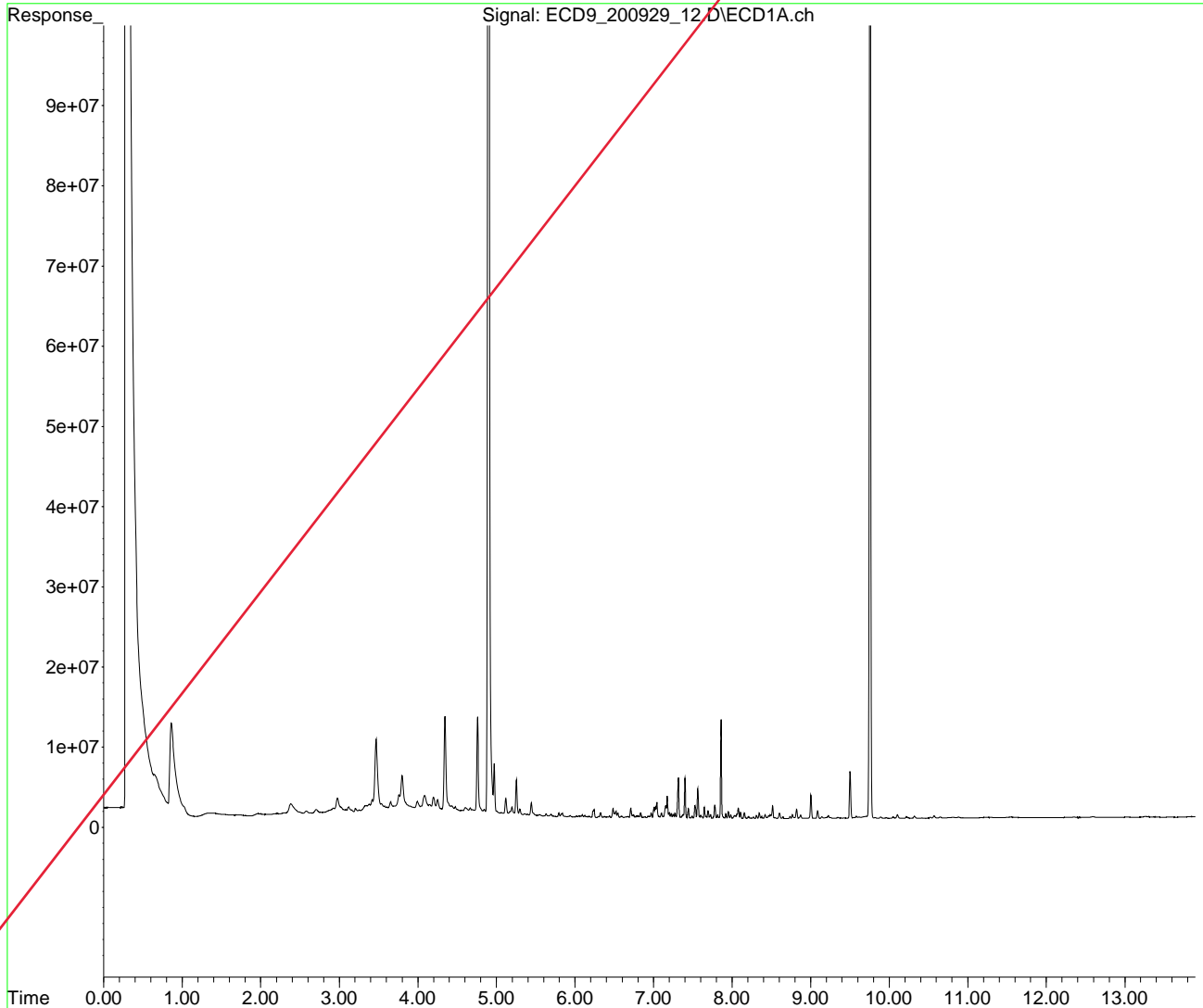
(m)=manual int.

Quantitation Report (Not Reviewed)

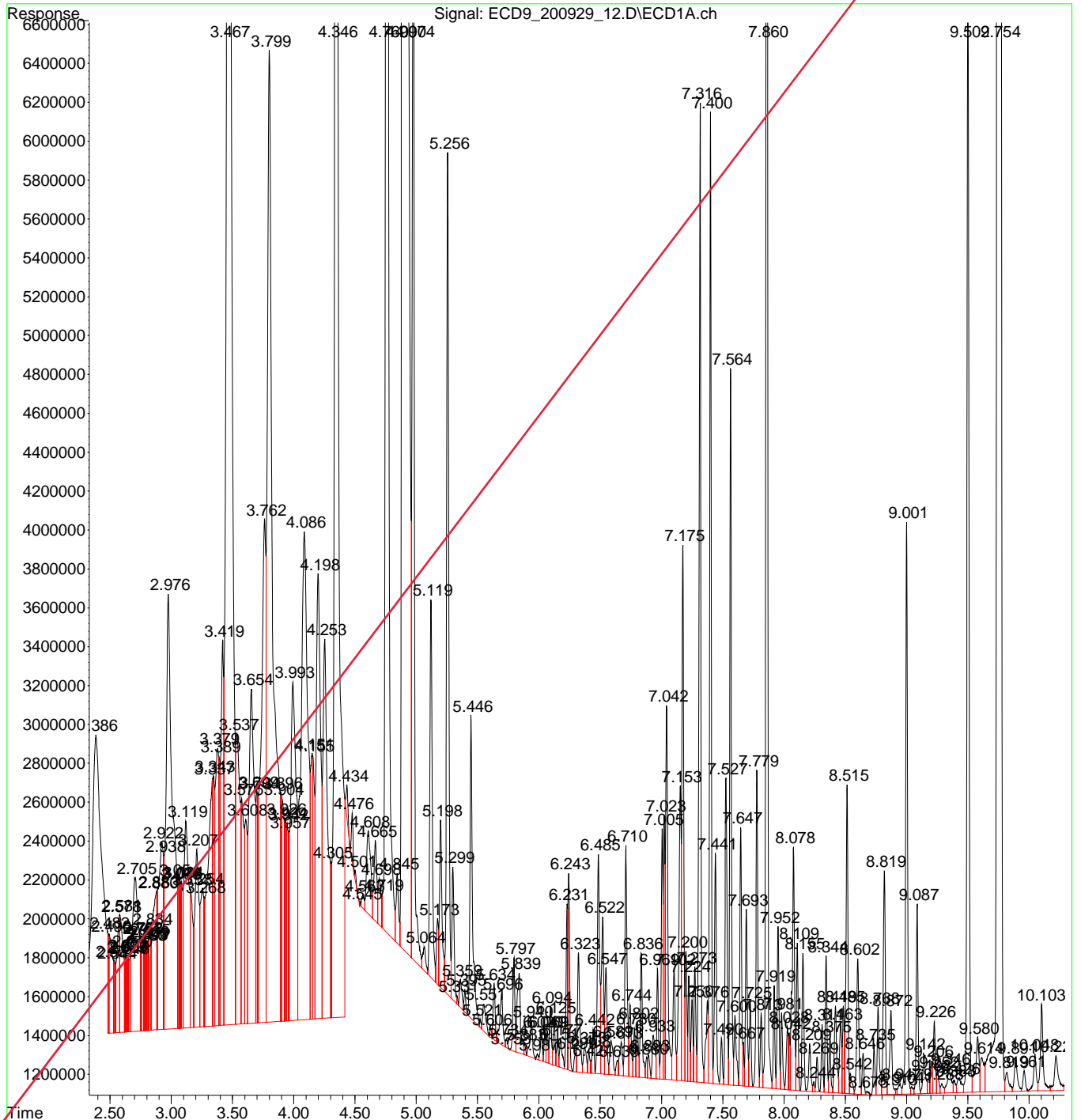
Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:27 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



File : C:\Users\organics\Desktop\0I29025\ECD9_200929_12.D
Operator :
Acquired : 29 Sep 2020 08:48 am using AcqMethod ECD9_ACQ_PCBS_200831.M
Instrument : DUALECD9
Sample Name: A0I0556-41
Misc Info :
Vial Number: 5



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_16.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-42
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:32 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	521529967	387.378 ng/ml
64) S DCBP (S)	9.746	444115026	467.431 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.818	39932	0.734 ng/ml
3) Aroclor 1016 (2)	6.233	164596	1.813 ng/ml
4) Aroclor 1016 (3)	6.314	90040	1.605 ng/ml
5) Aroclor 1016 (4)	6.474	248945	5.316 ng/ml
6) Aroclor 1016 (5)	6.698	132557	2.408 ng/ml
7) Aroclor 1016 (6)	6.827	90145	2.371 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	9371412	590.765 ng/ml
10) Aroclor 1221 (2)	5.363	7554	0.708 ng/ml
11) Aroclor 1221 (3)	5.436	2087985	61.370 ng/ml
12) Aroclor 1221 (4)	5.923	24133	4.124 ng/ml
13) Aroclor 1221 (5)	6.233	164596	25.673 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.436	2087985	73.460 ng/ml
16) Aroclor 1232 (2)	6.233	164596	4.882 ng/ml
17) Aroclor 1232 (3)	6.314	90040	4.313 ng/ml
18) Aroclor 1232 (4)	6.474	248945	17.686 ng/ml
19) Aroclor 1232 (5)	6.698	132557	7.212 ng/ml
20) Aroclor 1232 (6)	6.827	90145	6.208 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.818	39932	1.079 ng/ml
23) Aroclor 1242 (2)	6.233	164596	2.582 ng/ml
24) Aroclor 1242 (3)	6.314	90040	2.401 ng/ml
25) Aroclor 1242 (4)	6.474	248945	8.330 ng/ml
26) Aroclor 1242 (5)	6.698	132557	3.546 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_16.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-42
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:32 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.827	90145	2.953 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.233	164596	4.157 ng/ml
30)	Aroclor 1248 (2)	6.474	248945	4.553 ng/ml
31)	Aroclor 1248 (3)	6.698	132557	2.042 ng/ml
32)	Aroclor 1248 (4)	7.005	1242178	17.997 ng/ml
33)	Aroclor 1248 (5)	7.029	665471	8.993 ng/ml
34)	Aroclor 1248 (6)	7.518	541918	13.937 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.029	665471	9.143 ng/ml
37)	Aroclor 1254 (2)	7.140	516868	6.335 ng/ml
38)	Aroclor 1254 (3)	7.518	541918	4.589 ng/ml
39)	Aroclor 1254 (4)	7.689	534689	7.020 ng/ml
40)	Aroclor 1254 (5)	8.068	514923	6.562 ng/ml
41)	Aroclor 1254 (6)	8.364	123586	4.792 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.637	530179	5.376 ng/ml
44)	Aroclor 1260 (2)	7.769	719211	6.082 ng/ml
45)	Aroclor 1260 (3)	8.336	385162	4.356 ng/ml
46)	Aroclor 1260 (4)	8.492	1778213	9.387 ng/ml
47)	Aroclor 1260 (5)	8.808	637998	5.161 ng/ml
48)	Aroclor 1260 (6)	9.217	250411	4.871 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.769	719211	8.511 ng/ml
51)	Aroclor 1262 (2)	8.099	424659	3.514 ng/ml
52)	Aroclor 1262 (3)	8.336	385162	3.911 ng/ml
53)	Aroclor 1262 (4)	8.492	1778213	8.877 ng/ml
54)	Aroclor 1262 (5)	8.808	637998	5.519 ng/ml
55)	Aroclor 1262 (6)	9.217	250411	4.137 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.336	385162	7.045 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_16.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-42
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:32 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	436640	1.808 ng/ml
59)	Aroclor 1268 (3)	8.808	637998	3.310 ng/ml
60)	Aroclor 1268 (4)	8.992	6174225	33.236 ng/ml
61)	Aroclor 1268 (5)	9.217	250411	3.635 ng/ml
62)	Aroclor 1268 (6)	9.492	14152708	30.464 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

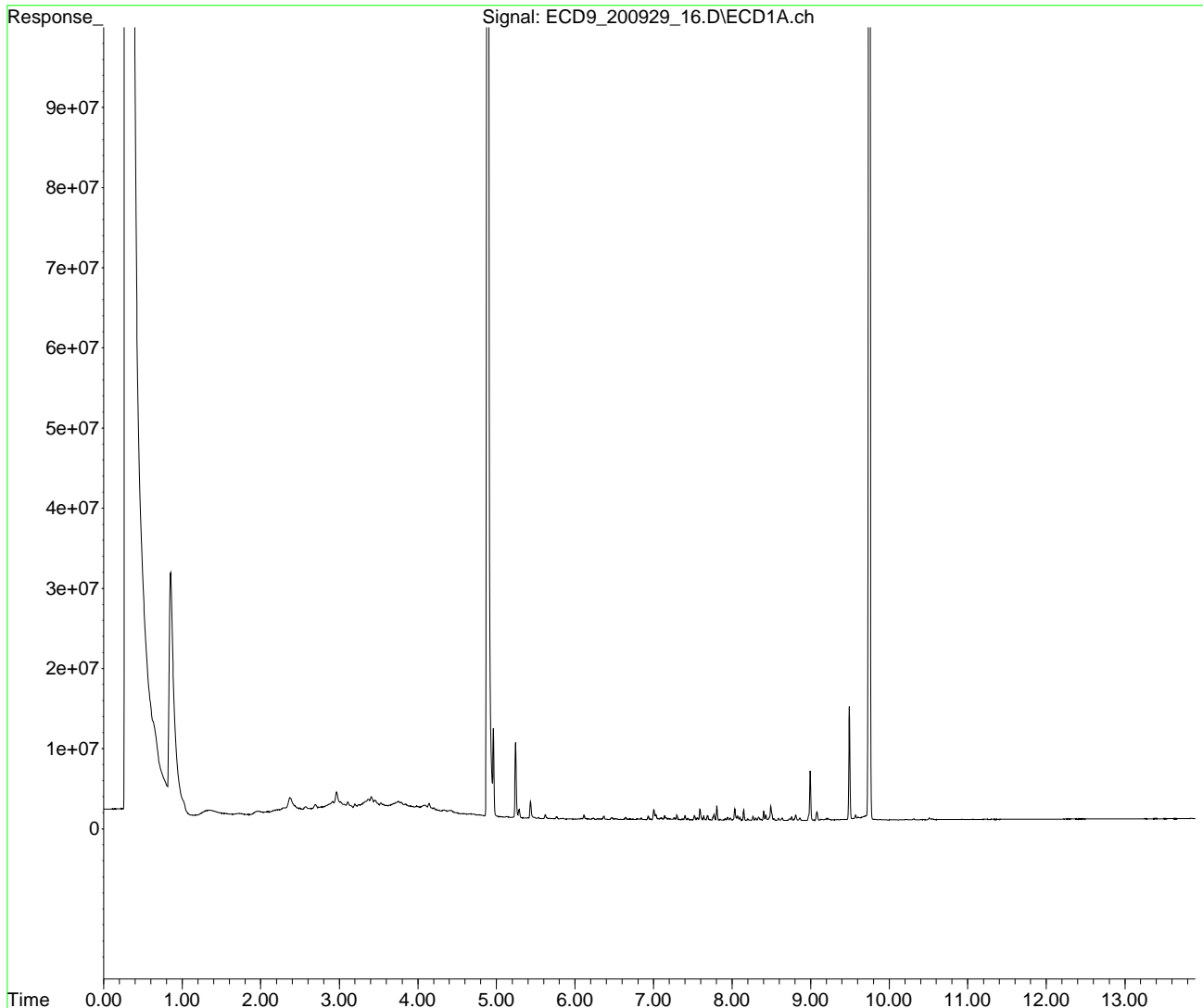
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_16.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:24 am
Operator :
Sample : A0I0556-42
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:32 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_20.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:38 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	378526267	281.159 ng/ml
64) S DCBP (S)	9.747	261696130	275.435 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	28701513	527.512 ng/ml
3) Aroclor 1016 (2)	6.232	53963435	594.441 ng/ml
4) Aroclor 1016 (3)	6.314	29366744	523.330 ng/ml
5) Aroclor 1016 (4)	6.474	24087294	514.400 ng/ml
6) Aroclor 1016 (5)	6.698	29103303	528.694 ng/ml
7) Aroclor 1016 (6)	6.826	19942713	524.455 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	9365008	590.362 ng/ml
10) Aroclor 1221 (2)	5.370	3248496	304.665 ng/ml
11) Aroclor 1221 (3)	5.452	15064240	442.769 ng/ml
12) Aroclor 1221 (4)	5.923	2715545	464.108 ng/ml
13) Aroclor 1221 (5)	6.232	53963435	8416.854 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	15064240	529.995 ng/ml
16) Aroclor 1232 (2)	6.232	53963435	1600.473 ng/ml
17) Aroclor 1232 (3)	6.314	29366744	1406.695 ng/ml
18) Aroclor 1232 (4)	6.474	24087294	1711.214 ng/ml
19) Aroclor 1232 (5)	6.698	29103303	1583.403 ng/ml
20) Aroclor 1232 (6)	6.826	19942713	1373.314 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	28701513	775.873 ng/ml
23) Aroclor 1242 (2)	6.232	53963435	846.672 ng/ml
24) Aroclor 1242 (3)	6.314	29366744	782.993 ng/ml
25) Aroclor 1242 (4)	6.474	24087294	805.961 ng/ml
26) Aroclor 1242 (5)	6.698	29103303	778.431 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_20.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:38 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.826	19942713	653.272	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.220	43471761	1097.958	ng/ml
30)	Aroclor 1248 (2)	6.474	24087294	440.544	ng/ml
31)	Aroclor 1248 (3)	6.698	29103303	448.236	ng/ml
32)	Aroclor 1248 (4)	6.994	5816731	84.276	ng/ml
33)	Aroclor 1248 (5)	7.030	19583479	264.632	ng/ml
34)	Aroclor 1248 (6)	7.523	38498193	990.078	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.030	19583479	269.057	ng/ml
37)	Aroclor 1254 (2)	7.140	19475474	238.705	ng/ml
38)	Aroclor 1254 (3)	7.523	38498193	326.033	ng/ml
39)	Aroclor 1254 (4)	7.682	5712877	75.010	ng/ml
40)	Aroclor 1254 (5)	8.069	52346926	667.044	ng/ml
41)	Aroclor 1254 (6)	8.366	5757386	223.227	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.636	51828757	525.531	ng/ml
44)	Aroclor 1260 (2)	7.769	64487833	545.336	ng/ml
45)	Aroclor 1260 (3)	8.336	48796935	551.911	ng/ml
46)	Aroclor 1260 (4)	8.507	115013361	607.154	ng/ml
47)	Aroclor 1260 (5)	8.811	71387112	577.475	ng/ml
48)	Aroclor 1260 (6)	9.218	28547589	555.315	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.769	64487833	763.177	ng/ml
51)	Aroclor 1262 (2)	8.100	49004746	405.535	ng/ml
52)	Aroclor 1262 (3)	8.336	48796935	495.490	ng/ml
53)	Aroclor 1262 (4)	8.507	115013361	574.162	ng/ml
54)	Aroclor 1262 (5)	8.811	71387112	617.539	ng/ml
55)	Aroclor 1262 (6)	9.218	28547589	471.572	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.336	48796935	892.595	ng/ml

✓
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Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_20.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:38 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	25443771	105.377 ng/ml
59)	Aroclor 1268 (3)	8.811	71387112	370.312 ng/ml
60)	Aroclor 1268 (4)	8.993	5972151	32.149 ng/ml
61)	Aroclor 1268 (5)	9.218	28547589	414.415 ng/ml
62)	Aroclor 1268 (6)	9.493	15118231	32.543 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

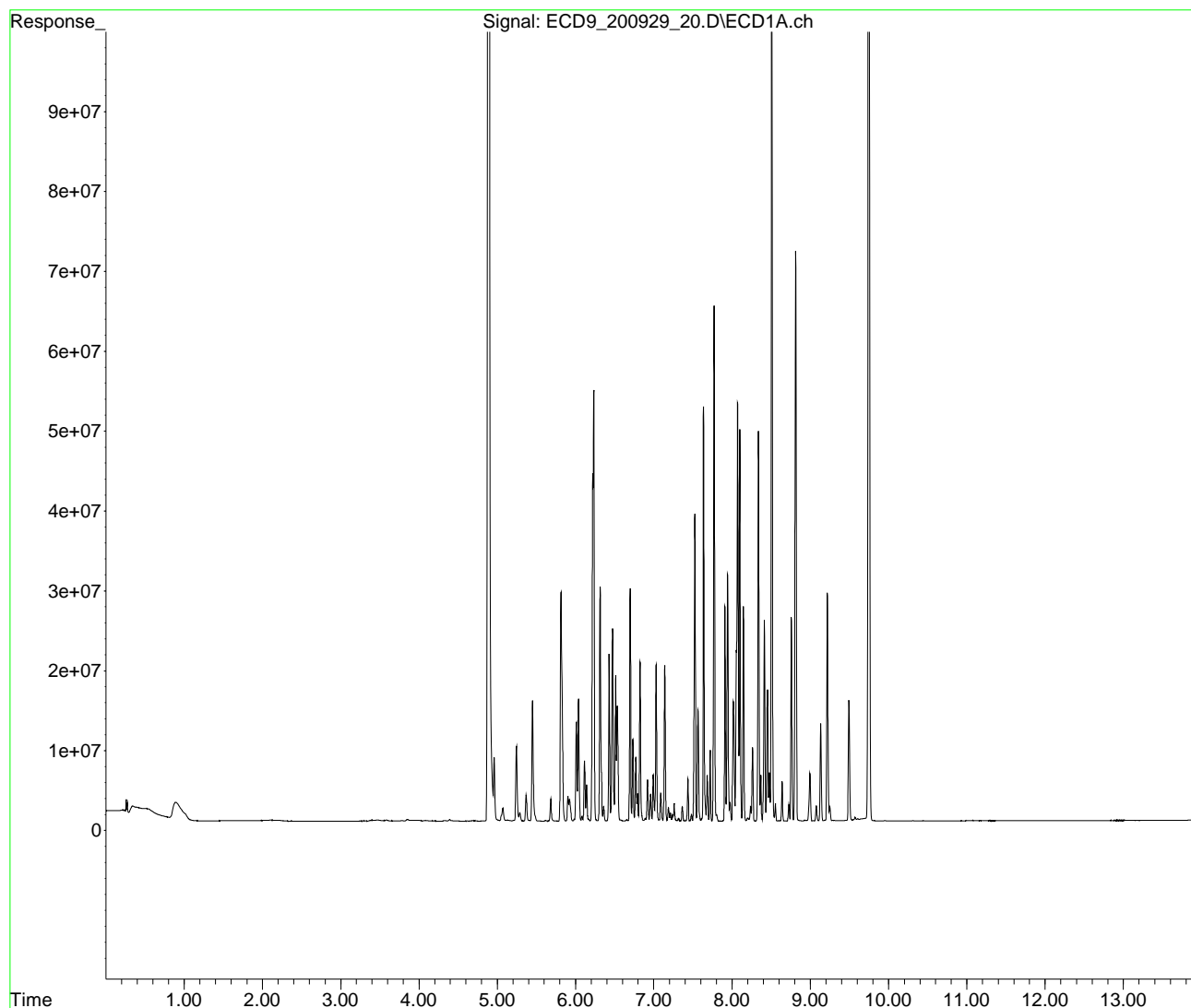
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_20.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:59 am
Operator :
Sample : 0I29025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:38 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_22.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:43 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	155379467	115.412 ng/ml
64) S DCBP (S)	9.745	111374400	117.222 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.811	33677	0.619 ng/ml
3) Aroclor 1016 (2)	6.242	51899	0.572 ng/ml
4) Aroclor 1016 (3)	6.316	41950	0.748 ng/ml
5) Aroclor 1016 (4)	6.467	32471	0.693 ng/ml
6) Aroclor 1016 (5)	6.701	43147	0.784 ng/ml
7) Aroclor 1016 (6)	6.827	43739	1.150 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3263417	205.723 ng/ml
10) Aroclor 1221 (2)	5.364	71536	6.709 ng/ml
11) Aroclor 1221 (3)	5.438	74954	2.203 ng/ml
12) Aroclor 1221 (4)	5.929	30640	5.237 ng/ml
13) Aroclor 1221 (5)	6.242	51899	8.095 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.438	74954	2.637 ng/ml
16) Aroclor 1232 (2)	6.242	51899	1.539 ng/ml
17) Aroclor 1232 (3)	6.316	41950	2.009 ng/ml
18) Aroclor 1232 (4)	6.467	32471	2.307 ng/ml
19) Aroclor 1232 (5)	6.701	43147	2.347 ng/ml
20) Aroclor 1232 (6)	6.827	43739	3.012 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.811	33677	0.910 ng/ml
23) Aroclor 1242 (2)	6.242	51899	0.814 ng/ml
24) Aroclor 1242 (3)	6.316	41950	1.118 ng/ml
25) Aroclor 1242 (4)	6.467	32471	1.086 ng/ml
26) Aroclor 1242 (5)	6.701	43147	1.154 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_22.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:43 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.827	43739	1.433 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.218	54669	1.381 ng/ml
30)	Aroclor 1248 (2)	6.467	32471	0.594 ng/ml
31)	Aroclor 1248 (3)	6.701	43147	0.665 ng/ml
32)	Aroclor 1248 (4)	7.005	1307083	18.938 ng/ml
33)	Aroclor 1248 (5)	7.005	1307083	17.663 ng/ml
34)	Aroclor 1248 (6)	7.515	49009	1.260 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	1307083	17.958 ng/ml
37)	Aroclor 1254 (2)	7.139	108578	1.331 ng/ml
38)	Aroclor 1254 (3)	7.515	49009	0.415 ng/ml
39)	Aroclor 1254 (4)	7.703	37618	0.494 ng/ml
40)	Aroclor 1254 (5)	8.080	126932	1.617 ng/ml
41)	Aroclor 1254 (6)	8.365	40474	1.569 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.638	44124	0.447 ng/ml
44)	Aroclor 1260 (2)	7.765	42539	0.360 ng/ml
45)	Aroclor 1260 (3)	8.330	54952	0.622 ng/ml
46)	Aroclor 1260 (4)	8.501	147131	0.777 ng/ml
47)	Aroclor 1260 (5)	8.809	68873	0.557 ng/ml
48)	Aroclor 1260 (6)	9.217	35926	0.699 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.765	42539	0.503 ng/ml
51)	Aroclor 1262 (2)	8.116	34735	0.287 ng/ml
52)	Aroclor 1262 (3)	8.330	54952	0.558 ng/ml
53)	Aroclor 1262 (4)	8.501	147131	0.734 ng/ml
54)	Aroclor 1262 (5)	8.809	68873	0.596 ng/ml
55)	Aroclor 1262 (6)	9.217	35926	0.593 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.330	54952	1.005 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_22.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:43 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.761	84681	0.351 ng/ml
59)	Aroclor 1268 (3)	8.809	68873	0.357 ng/ml
60)	Aroclor 1268 (4)	8.992	2360803	12.708 ng/ml
61)	Aroclor 1268 (5)	9.217	35926	0.522 ng/ml
62)	Aroclor 1268 (6)	9.492	4383561	9.436 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

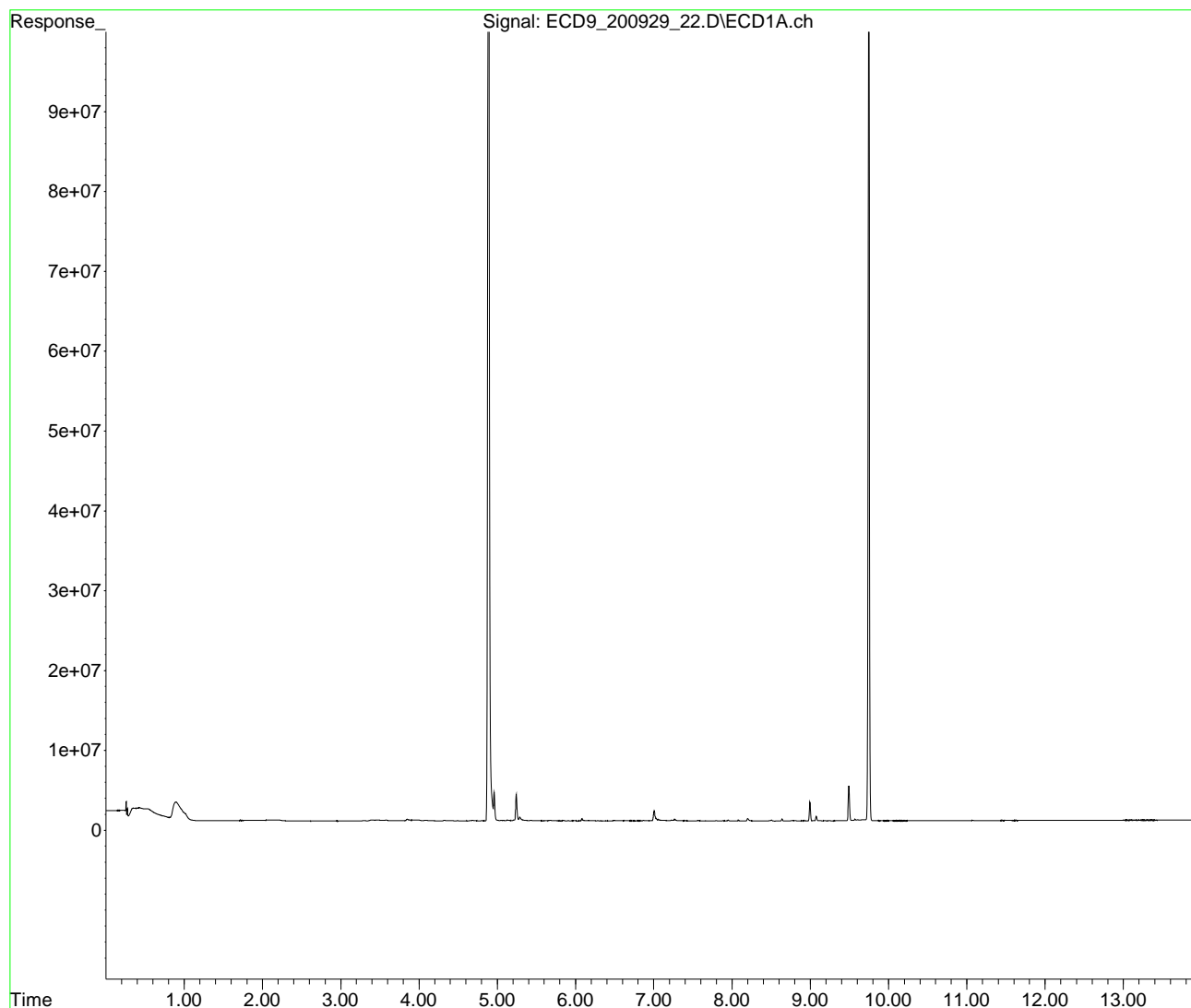
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_22.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 10:17 am
Operator :
Sample : 0I29025-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:43 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Sequence 0I29063 (A0I0556-39.RE1,43RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0129063

Instrument: DUALECD9F

Date: 09/29/20 19:53

Calibration: A011008

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0129063-CCV1	Sediment	QC	QC				A201167
2	0129063-CCB1	Sediment	QC	QC				A201313
3	0090841-BLK1	Sediment	QC	QC		0090841		
4	0090841-BS1	Sediment	QC	QC		0090841		
5	0090841-BSD1	Sediment	QC	QC		0090841		
6	A010556-43RE1	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090841		
7	0129063-IBL1	Sediment	QC	QC				
8	A010556-39RE1	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
9	0129063-IBL2	Sediment	QC	QC				
10	0129063-CCV2	Sediment	QC	QC				A201167
11	0129063-CCB2	Sediment	QC	QC				A201313

Data Entered By/Date: KAK 9/30/2020

Comments:

Data Reviewed By/Date: MKZ 10/1/2020

9/30/2020 2:32:44PM

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.

0I29063-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	502.31
1016 (2)	553.33
1016 (3)	510.54
1016 (4)	486.68
1016 (5)	517.82
1016 (6)	518.51
Average:	514.87

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	528.52
1260 (2)	534.87
1260 (3)	541.53
1260 (4)	594.40
1260 (5)	585.69
1260 (6)	539.32
Average:	554.06

0090841-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	934.74
1016 (2)	1,014.48
1016 (3)	949.28
1016 (4)	951.06
1016 (5)	956.22
1016 (6)	931.81
Average:	956.27

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,075.39
1260 (2)	1,123.97
1260 (3)	1,125.80
1260 (4)	1,264.70
1260 (5)	1,232.02
1260 (6)	1,201.94
Average:	1,170.64

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.

0090841-BSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	987.11
1016 (2)	1,124.40
1016 (3)	1,003.28
1016 (4)	1,015.98
1016 (5)	986.10
1016 (6)	1,023.20
Average:	1,023.35

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,105.35
1260 (2)	1,165.01
1260 (3)	1,187.70
1260 (4)	1,298.95
1260 (5)	1,282.22
1260 (6)	1,240.34
Average:	1,213.26

0129063-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	539.79
1016 (2)	570.25
1016 (3)	546.82
1016 (4)	521.52
1016 (5)	538.45
1016 (6)	542.10
Average:	543.16

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	544.50
1260 (2)	555.99
1260 (3)	557.11
1260 (4)	597.55
1260 (5)	592.57
1260 (6)	584.71
Average:	572.07

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_26.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:26 pm
 Operator :
 Sample : 0I29063-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/30/2020

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:42 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	369202985	274.234 ng/ml
64) S DCBP (S)	9.747	260341007	274.009 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.817	27330416	502.312 ng/ml
3) Aroclor 1016 (2)	6.234	50231821	553.335 ng/ml
4) Aroclor 1016 (3)	6.316	28649244	510.544 ng/ml
5) Aroclor 1016 (4)	6.475	22789112	486.676 ng/ml
6) Aroclor 1016 (5)	6.700	28504557	517.817 ng/ml
7) Aroclor 1016 (6)	6.827	19716754	518.513 ng/ml
8) Aroclor 1016 - AVE	1.973	60195	NoCal ng/ml
9) Aroclor 1221 (1)	5.249	9103344	573.866 ng/ml
10) Aroclor 1221 (2)	5.372	3191304	299.302 ng/ml
11) Aroclor 1221 (3)	5.453	14947954	439.351 ng/ml
12) Aroclor 1221 (4)	5.924	2601208	444.567 ng/ml
13) Aroclor 1221 (5)	6.234	50231821	7834.822 ng/ml
14) Aroclor 1221 - AVE	1.973	60195	NoCal ng/ml
15) Aroclor 1232 (1)	5.453	14947954	525.904 ng/ml
16) Aroclor 1232 (2)	6.234	50231821	1489.799 ng/ml
17) Aroclor 1232 (3)	6.316	28649244	1372.326 ng/ml
18) Aroclor 1232 (4)	6.475	22789112	1618.988 ng/ml
19) Aroclor 1232 (5)	6.700	28504557	1550.827 ng/ml
20) Aroclor 1232 (6)	6.827	19716754	1357.753 ng/ml
21) Aroclor 1232 - AVE	1.973	60195	NoCal ng/ml
22) Aroclor 1242 (1)	5.817	27330416	738.809 ng/ml
23) Aroclor 1242 (2)	6.234	50231821	788.124 ng/ml
24) Aroclor 1242 (3)	6.316	28649244	763.862 ng/ml
25) Aroclor 1242 (4)	6.475	22789112	762.524 ng/ml
26) Aroclor 1242 (5)	6.700	28504557	762.417 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_26.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:26 pm
 Operator :
 Sample : 0I29063-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:42 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.827	19716754	645.870	ng/ml
28)	Aroclor 1242 - AVE	1.973	60195	NoCal	ng/ml
29)	Aroclor 1248 (1)	6.222	43014623	1086.412	ng/ml
30)	Aroclor 1248 (2)	6.475	22789112	416.801	ng/ml
31)	Aroclor 1248 (3)	6.700	28504557	439.015	ng/ml
32)	Aroclor 1248 (4)	6.996	5495538	79.622	ng/ml
33)	Aroclor 1248 (5)	7.031	19421859	262.448	ng/ml
34)	Aroclor 1248 (6)	7.525	38319858	985.492	ng/ml
35)	Aroclor 1248 - AVE	1.973	60195	NoCal	ng/ml
36)	Aroclor 1254 (1)	7.031	19421859	266.836	ng/ml
37)	Aroclor 1254 (2)	7.142	18821087	230.684	ng/ml
38)	Aroclor 1254 (3)	7.525	38319858	324.522	ng/ml
39)	Aroclor 1254 (4)	7.684	5488033	72.058	ng/ml
40)	Aroclor 1254 (5)	8.070	49521024	631.034	ng/ml
41)	Aroclor 1254 (6)	8.366	5573563	216.100	ng/ml
42)	Aroclor 1254 - AVE	1.973	60195	NoCal	ng/ml
43)	Aroclor 1260 (1)	7.638	52123290	528.518	ng/ml
44)	Aroclor 1260 (2)	7.771	63249956	534.868	ng/ml
45)	Aroclor 1260 (3)	8.336	47879274	541.532	ng/ml
46)	Aroclor 1260 (4)	8.507	112597471	594.400	ng/ml
47)	Aroclor 1260 (5)	8.811	72403207	585.695	ng/ml
48)	Aroclor 1260 (6)	9.218	27725096	539.315	ng/ml
49)	Aroclor 1260 - AVE	1.973	60195	NoCal	ng/ml
50)	Aroclor 1262 (1)	7.771	63249956	748.527	ng/ml
51)	Aroclor 1262 (2)	8.100	48001038	397.229	ng/ml
52)	Aroclor 1262 (3)	8.336	47879274	486.172	ng/ml
53)	Aroclor 1262 (4)	8.507	112597471	562.102	ng/ml
54)	Aroclor 1262 (5)	8.811	72403207	626.329	ng/ml
55)	Aroclor 1262 (6)	9.218	27725096	457.986	ng/ml
56)	Aroclor 1262 - AVE	1.973	60195	NoCal	ng/ml
57)	Aroclor 1268 (1)	8.336	47879274	875.809	ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_26.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:26 pm
 Operator :
 Sample : 0I29063-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:42 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	25671780	106.322 ng/ml
59)	Aroclor 1268 (3)	8.811	72403207	375.583 ng/ml
60)	Aroclor 1268 (4)	8.994	5922368	31.881 ng/ml
61)	Aroclor 1268 (5)	9.218	27725096	402.475 ng/ml
62)	Aroclor 1268 (6)	9.494	15604214	33.589 ng/ml
63)	Aroclor 1268 - AVE	1.973	60195	NoCal ng/ml

(f)=RT Delta > 1/2 Window

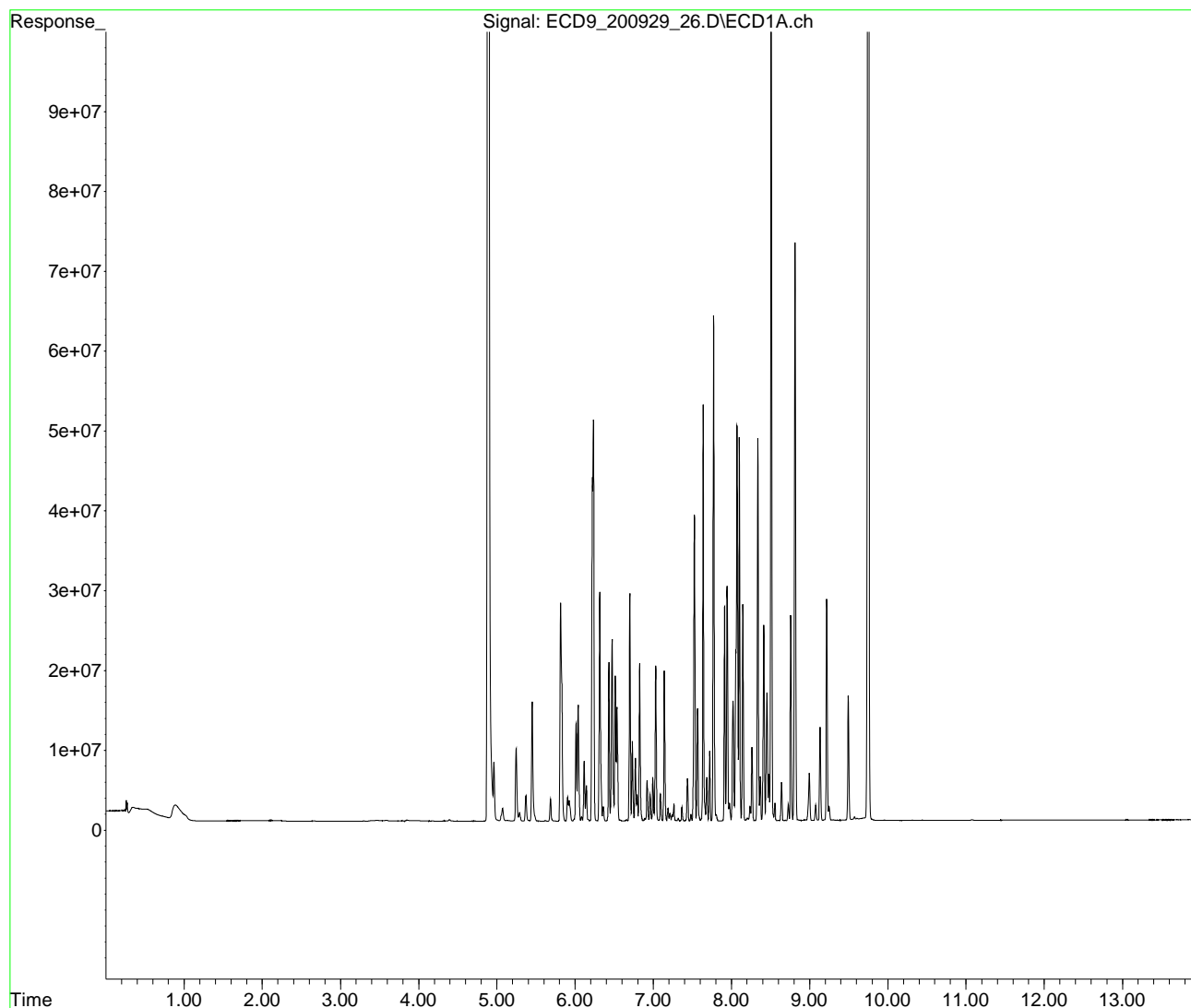
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_26.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:26 pm
Operator :
Sample : 0I29063-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:53:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_28.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:44 pm
 Operator :
 Sample : 0I29063-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/30/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:47 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	154392329	114.678 ng/ml
64) S DCBP (S)	9.744	109582195	115.335 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.814	13582	0.250 ng/ml
3) Aroclor 1016 (2)	6.245	29951	0.330 ng/ml
4) Aroclor 1016 (3)	6.313	17057	0.304 ng/ml
5) Aroclor 1016 (4)	6.490	51553	1.101 ng/ml
6) Aroclor 1016 (5)	6.701	18498	0.336 ng/ml
7) Aroclor 1016 (6)	6.828	20554	0.541 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3205829	202.093 ng/ml
10) Aroclor 1221 (2)	5.374	15043	1.411 ng/ml
11) Aroclor 1221 (3)	5.468	9933	0.292 ng/ml
12) Aroclor 1221 (4)	5.911	26356	4.504 ng/ml
13) Aroclor 1221 (5)	6.245	29951	4.672 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.468	9933	0.349 ng/ml
16) Aroclor 1232 (2)	6.245	29951	0.888 ng/ml
17) Aroclor 1232 (3)	6.313	17057	0.817 ng/ml
18) Aroclor 1232 (4)	6.490	51553	3.662 ng/ml
19) Aroclor 1232 (5)	6.701	18498	1.006 ng/ml
20) Aroclor 1232 (6)	6.828	20554	1.415 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.814	13582	0.367 ng/ml
23) Aroclor 1242 (2)	6.245	29951	0.470 ng/ml
24) Aroclor 1242 (3)	6.313	17057	0.455 ng/ml
25) Aroclor 1242 (4)	6.490	51553	1.725 ng/ml
26) Aroclor 1242 (5)	6.701	18498	0.495 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_28.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:44 pm
 Operator :
 Sample : 0I29063-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:47 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.828	20554	0.673 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.219	29156	0.736 ng/ml
30)	Aroclor 1248 (2)	6.490	51553	0.943 ng/ml
31)	Aroclor 1248 (3)	6.701	18498	0.285 ng/ml
32)	Aroclor 1248 (4)	7.006	837390	12.133 ng/ml
33)	Aroclor 1248 (5)	7.006	837390	11.316 ng/ml
34)	Aroclor 1248 (6)	7.518	28432	0.731 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.006	837390	11.505 ng/ml
37)	Aroclor 1254 (2)	7.140	70998	0.870 ng/ml
38)	Aroclor 1254 (3)	7.518	28432	0.241 ng/ml
39)	Aroclor 1254 (4)	7.687	23957	0.315 ng/ml
40)	Aroclor 1254 (5)	8.080	143652	1.831 ng/ml
41)	Aroclor 1254 (6)	8.360	41020	1.590 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.637	30706	0.311 ng/ml
44)	Aroclor 1260 (2)	7.771	29491	0.249 ng/ml
45)	Aroclor 1260 (3)	8.332	55809	0.631 ng/ml
46)	Aroclor 1260 (4)	8.501	164224	0.867 ng/ml
47)	Aroclor 1260 (5)	8.810	63620	0.515 ng/ml
48)	Aroclor 1260 (6)	9.214	40426	0.786 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.771	29491	0.349 ng/ml
51)	Aroclor 1262 (2)	8.080	143652	1.189 ng/ml
52)	Aroclor 1262 (3)	8.332	55809	0.567 ng/ml
53)	Aroclor 1262 (4)	8.501	164224	0.820 ng/ml
54)	Aroclor 1262 (5)	8.810	63620	0.550 ng/ml
55)	Aroclor 1262 (6)	9.214	40426	0.668 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.332	55809	1.021 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_28.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:44 pm
 Operator :
 Sample : 0I29063-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:47 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.761	73564	0.305 ng/ml
59)	Aroclor 1268 (3)	8.810	63620	0.330 ng/ml
60)	Aroclor 1268 (4)	8.992	2347151	12.635 ng/ml
61)	Aroclor 1268 (5)	9.214	40426	0.587 ng/ml
62)	Aroclor 1268 (6)	9.491	4572967	9.844 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

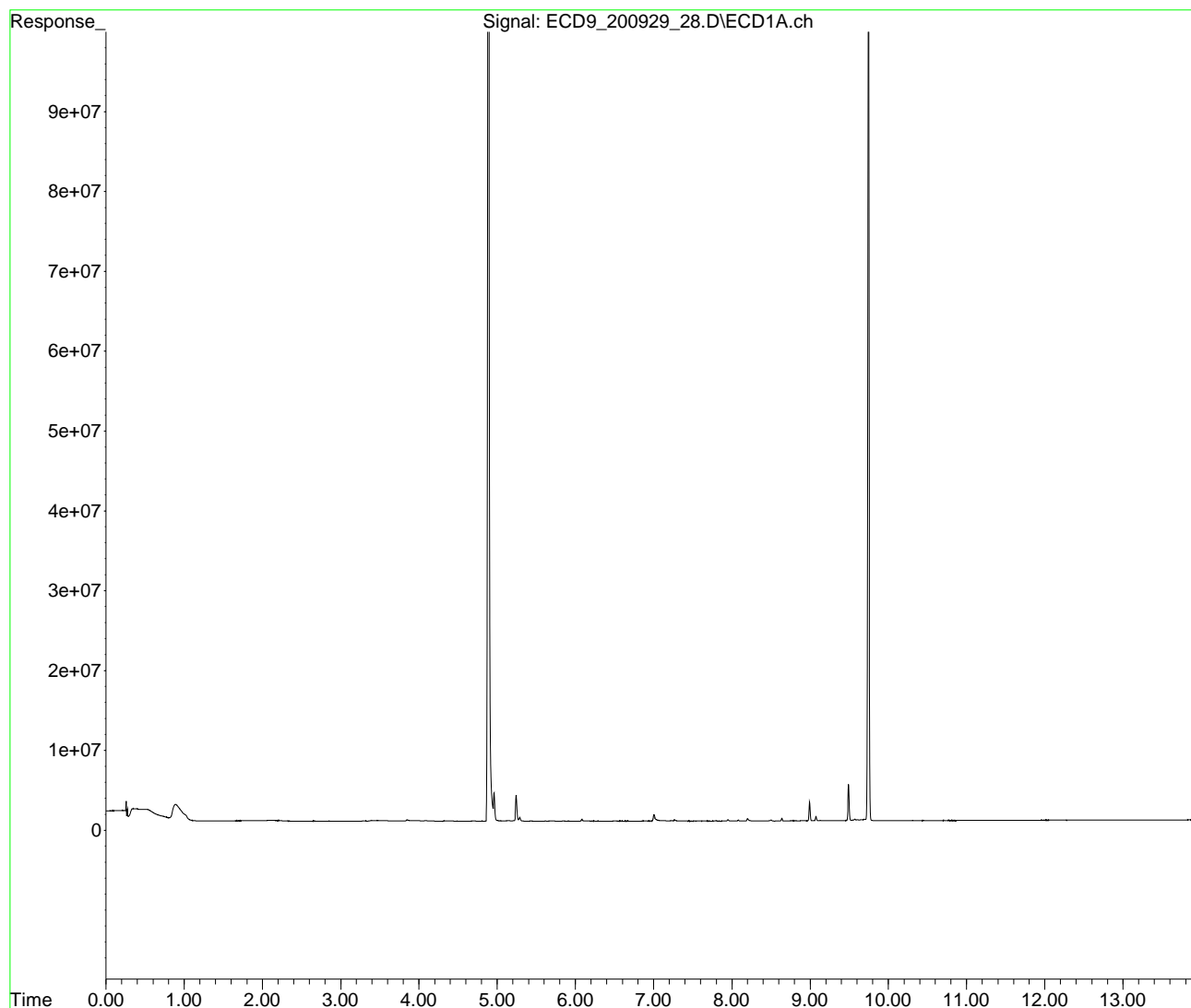
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_28.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:44 pm
Operator :
Sample : 0I29063-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:53:47 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_30.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:01 pm
 Operator :
 Sample : 0090841-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

KAK 9/30/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	600225694	445.831 ng/ml
64) S DCBP (S)	9.744	505451352	531.988 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	69197	1.272 ng/ml
3) Aroclor 1016 (2)	6.233	154335	1.700 ng/ml
4) Aroclor 1016 (3)	6.314	101338	1.806 ng/ml
5) Aroclor 1016 (4)	6.475	94534	2.019 ng/ml
6) Aroclor 1016 (5)	6.697	108394	1.969 ng/ml
7) Aroclor 1016 (6)	6.826	84378	2.219 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	12624856	795.859 ng/ml
10) Aroclor 1221 (2)	5.372	36615	3.434 ng/ml
11) Aroclor 1221 (3)	5.436	1165000	34.242 ng/ml
12) Aroclor 1221 (4)	5.911	48190	8.236 ng/ml
13) Aroclor 1221 (5)	6.233	154335	24.072 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.436	1165000	40.987 ng/ml
16) Aroclor 1232 (2)	6.233	154335	4.577 ng/ml
17) Aroclor 1232 (3)	6.314	101338	4.854 ng/ml
18) Aroclor 1232 (4)	6.475	94534	6.716 ng/ml
19) Aroclor 1232 (5)	6.697	108394	5.897 ng/ml
20) Aroclor 1232 (6)	6.826	84378	5.811 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	69197	1.871 ng/ml
23) Aroclor 1242 (2)	6.233	154335	2.421 ng/ml
24) Aroclor 1242 (3)	6.314	101338	2.702 ng/ml
25) Aroclor 1242 (4)	6.475	94534	3.163 ng/ml
26) Aroclor 1242 (5)	6.697	108394	2.899 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_30.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:01 pm
 Operator :
 Sample : 0090841-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.826	84378	2.764 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.220	135455	3.421 ng/ml
30)	Aroclor 1248 (2)	6.475	94534	1.729 ng/ml
31)	Aroclor 1248 (3)	6.697	108394	1.669 ng/ml
32)	Aroclor 1248 (4)	7.005	1138529	16.496 ng/ml
33)	Aroclor 1248 (5)	7.005	1138529	15.385 ng/ml
34)	Aroclor 1248 (6)	7.523	128795	3.312 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	1138529	15.642 ng/ml
37)	Aroclor 1254 (2)	7.141	136035	1.667 ng/ml
38)	Aroclor 1254 (3)	7.523	128795	1.091 ng/ml
39)	Aroclor 1254 (4)	7.680	26793	0.352 ng/ml
40)	Aroclor 1254 (5)	8.080	174531	2.224 ng/ml
41)	Aroclor 1254 (6)	8.365	15026	0.583 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.636	133571	1.354 ng/ml
44)	Aroclor 1260 (2)	7.769	135895	1.149 ng/ml
45)	Aroclor 1260 (3)	8.332	73142	0.827 ng/ml
46)	Aroclor 1260 (4)	8.502	222301	1.174 ng/ml
47)	Aroclor 1260 (5)	8.807	117961	0.954 ng/ml
48)	Aroclor 1260 (6)	9.217	53242	1.036 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.769	135895	1.608 ng/ml
51)	Aroclor 1262 (2)	8.099	75964	0.629 ng/ml
52)	Aroclor 1262 (3)	8.332	73142	0.743 ng/ml
53)	Aroclor 1262 (4)	8.502	222301	1.110 ng/ml
54)	Aroclor 1262 (5)	8.807	117961	1.020 ng/ml
55)	Aroclor 1262 (6)	9.217	53242	0.879 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.332	73142	1.338 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_30.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:01 pm
 Operator :
 Sample : 0090841-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:52 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	114443	0.474 ng/ml
59)	Aroclor 1268 (3)	8.807	117961	0.612 ng/ml
60)	Aroclor 1268 (4)	8.992	8227358	44.288 ng/ml
61)	Aroclor 1268 (5)	9.217	53242	0.773 ng/ml
62)	Aroclor 1268 (6)	9.490	17689504	38.078 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

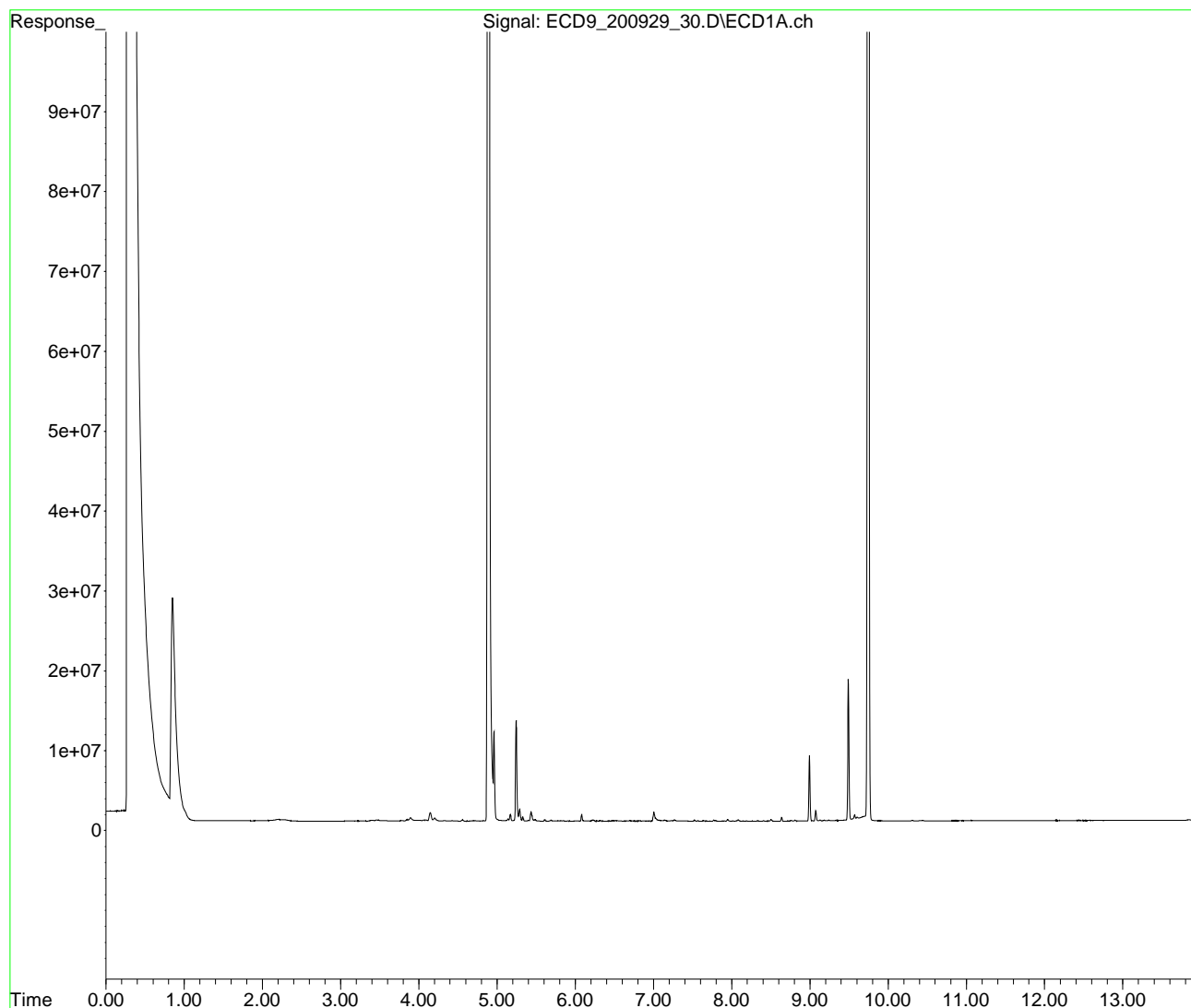
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_30.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:01 pm
Operator :
Sample : 0090841-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:53:52 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_32.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:20 pm
 Operator :
 Sample : 0090841-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/30/2020

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:57 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	632856779	470.069 ng/ml
64) S DCBP (S)	9.744	528855783	556.621 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	50858589	934.743 ng/ml
3) Aroclor 1016 (2)	6.232	92095019	1014.484 ng/ml
4) Aroclor 1016 (3)	6.315	53269012	949.280 ng/ml
5) Aroclor 1016 (4)	6.474	44534144	951.055 ng/ml
6) Aroclor 1016 (5)	6.698	52637638	956.221 ng/ml
7) Aroclor 1016 (6)	6.826	35432581	931.810 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	16372595	1032.113 ng/ml
10) Aroclor 1221 (2)	5.371	5384481	504.992 ng/ml
11) Aroclor 1221 (3)	5.452	26069774	766.243 ng/ml
12) Aroclor 1221 (4)	5.922	4365061	746.024 ng/ml
13) Aroclor 1221 (5)	6.232	92095019	14364.362 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	26069774	917.196 ng/ml
16) Aroclor 1232 (2)	6.232	92095019	2731.398 ng/ml
17) Aroclor 1232 (3)	6.315	53269012	2551.637 ng/ml
18) Aroclor 1232 (4)	6.474	44534144	3163.802 ng/ml
19) Aroclor 1232 (5)	6.698	52637638	2863.819 ng/ml
20) Aroclor 1232 (6)	6.826	35432581	2439.991 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	50858589	1374.834 ng/ml
23) Aroclor 1242 (2)	6.232	92095019	1444.947 ng/ml
24) Aroclor 1242 (3)	6.315	53269012	1420.288 ng/ml
25) Aroclor 1242 (4)	6.474	44534144	1490.113 ng/ml
26) Aroclor 1242 (5)	6.698	52637638	1407.909 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_32.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:20 pm
 Operator :
 Sample : 0090841-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:57 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.826	35432581	1160.680	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.220	81634749	2061.833	ng/ml
30)	Aroclor 1248 (2)	6.474	44534144	814.505	ng/ml
31)	Aroclor 1248 (3)	6.698	52637638	810.702	ng/ml
32)	Aroclor 1248 (4)	6.994	10345522	149.891	ng/ml
33)	Aroclor 1248 (5)	7.030	37367463	504.947	ng/ml
34)	Aroclor 1248 (6)	7.524	75161742	1932.973	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.030	37367463	513.390	ng/ml
37)	Aroclor 1254 (2)	7.140	37989915	465.630	ng/ml
38)	Aroclor 1254 (3)	7.524	75161742	636.528	ng/ml
39)	Aroclor 1254 (4)	7.682	11256528	147.799	ng/ml
40)	Aroclor 1254 (5)	8.069	102690813	1308.564	ng/ml
41)	Aroclor 1254 (6)	8.365	10457227	405.451	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.636	106056512	1075.388	ng/ml
44)	Aroclor 1260 (2)	7.770	132913554	1123.972	ng/ml
45)	Aroclor 1260 (3)	8.335	99536949	1125.799	ng/ml
46)	Aroclor 1260 (4)	8.506	239572459	1264.699	ng/ml
47)	Aroclor 1260 (5)	8.809	152301857	1232.023	ng/ml
48)	Aroclor 1260 (6)	9.217	61789092	1201.936	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.770	132913554	1572.956	ng/ml
51)	Aroclor 1262 (2)	8.099	101022866	836.007	ng/ml
52)	Aroclor 1262 (3)	8.335	99536949	1010.710	ng/ml
53)	Aroclor 1262 (4)	8.506	239572459	1195.977	ng/ml
54)	Aroclor 1262 (5)	8.809	152301857	1317.498	ng/ml
55)	Aroclor 1262 (6)	9.217	61789092	1020.683	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.335	99536949	1820.732	ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_32.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:20 pm
 Operator :
 Sample : 0090841-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:53:57 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	54901859	227.380 ng/ml
59)	Aroclor 1268 (3)	8.809	152301857	790.048 ng/ml
60)	Aroclor 1268 (4)	8.991	11051363	59.490 ng/ml
61)	Aroclor 1268 (5)	9.217	61789092	896.969 ng/ml
62)	Aroclor 1268 (6)	9.492	31103063	66.951 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

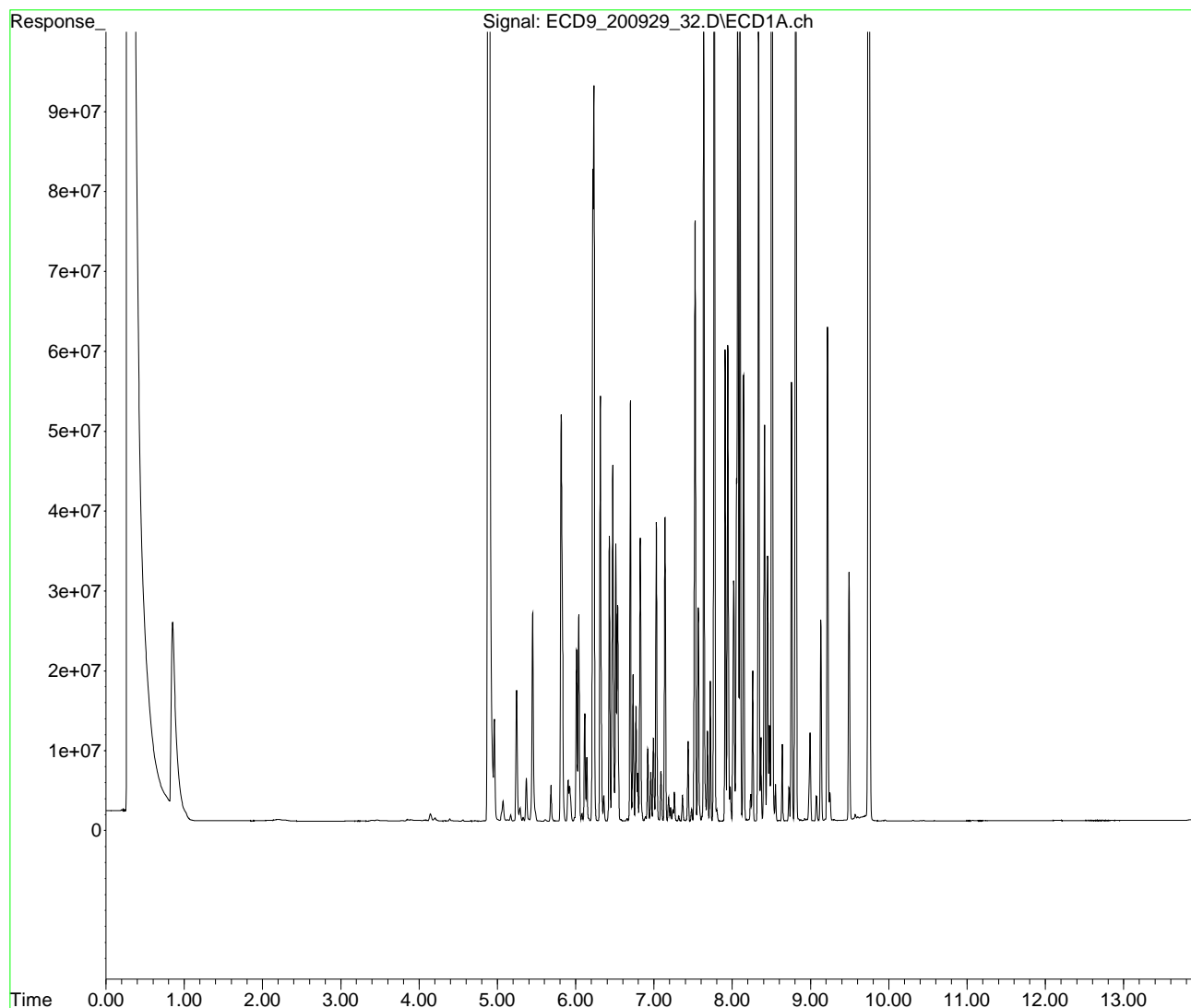
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_32.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:20 pm
Operator :
Sample : 0090841-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:53:57 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_34.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:37 pm
 Operator :
 Sample : 0090841-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

KAK 9/30/2020

Q-19

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:02 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	631398779	468.986 ng/ml
64) S DCBP (S)	9.745	526698157	554.350 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	53707786	987.109 ng/ml
3) Aroclor 1016 (2)	6.232	102072939	1124.397 ng/ml
4) Aroclor 1016 (3)	6.314	56299428	1003.284 ng/ml
5) Aroclor 1016 (4)	6.474	47574265	1015.979 ng/ml
6) Aroclor 1016 (5)	6.698	54282351	986.099 ng/ml
7) Aroclor 1016 (6)	6.825	38907804	1023.201 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	17251347	1087.509 ng/ml
10) Aroclor 1221 (2)	5.370	5856789	549.288 ng/ml
11) Aroclor 1221 (3)	5.451	27976825	822.296 ng/ml
12) Aroclor 1221 (4)	5.923	4661435	796.677 ng/ml
13) Aroclor 1221 (5)	6.232	102072939	15920.651 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.451	27976825	984.290 ng/ml
16) Aroclor 1232 (2)	6.232	102072939	3027.327 ng/ml
17) Aroclor 1232 (3)	6.314	56299428	2696.797 ng/ml
18) Aroclor 1232 (4)	6.474	47574265	3379.779 ng/ml
19) Aroclor 1232 (5)	6.698	54282351	2953.302 ng/ml
20) Aroclor 1232 (6)	6.825	38907804	2679.305 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	53707786	1451.855 ng/ml
23) Aroclor 1242 (2)	6.232	102072939	1601.498 ng/ml
24) Aroclor 1242 (3)	6.314	56299428	1501.087 ng/ml
25) Aroclor 1242 (4)	6.474	47574265	1591.835 ng/ml
26) Aroclor 1242 (5)	6.698	54282351	1451.900 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_34.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:37 pm
 Operator :
 Sample : 0090841-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:02 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
27) Aroclor 1242 (6)	6.825	38907804	1274.519	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.220	83001860	2096.362	ng/ml
30) Aroclor 1248 (2)	6.474	47574265	870.108	ng/ml
31) Aroclor 1248 (3)	6.698	54282351	836.033	ng/ml
32) Aroclor 1248 (4)	6.994	10744485	155.672	ng/ml
33) Aroclor 1248 (5)	7.030	38505513	520.326	ng/ml
34) Aroclor 1248 (6)	7.523	82014747	2109.216	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.030	38505513	529.025	ng/ml
37) Aroclor 1254 (2)	7.139	40417442	495.384	ng/ml
38) Aroclor 1254 (3)	7.523	82014747	694.564	ng/ml
39) Aroclor 1254 (4)	7.682	11610008	152.440	ng/ml
40) Aroclor 1254 (5)	8.069	110255229	1404.956	ng/ml
41) Aroclor 1254 (6)	8.364	11421318	442.831	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	7.636	109011137	1105.347	ng/ml
44) Aroclor 1260 (2)	7.769	137766720	1165.012	ng/ml
45) Aroclor 1260 (3)	8.334	105010342	1187.705	ng/ml
46) Aroclor 1260 (4)	8.505	246059870	1298.946	ng/ml
47) Aroclor 1260 (5)	8.810	158507288	1282.220	ng/ml
48) Aroclor 1260 (6)	9.217	63763405	1240.341	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	7.769	137766720	1630.390	ng/ml
51) Aroclor 1262 (2)	8.099	103548106	856.905	ng/ml
52) Aroclor 1262 (3)	8.334	105010342	1066.288	ng/ml
53) Aroclor 1262 (4)	8.505	246059870	1228.364	ng/ml
54) Aroclor 1262 (5)	8.810	158507288	1371.178	ng/ml
55) Aroclor 1262 (6)	9.217	63763405	1053.296	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	8.334	105010342	1920.852	ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_34.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:37 pm
 Operator :
 Sample : 0090841-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:02 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	58950034	244.146 ng/ml
59)	Aroclor 1268 (3)	8.810	158507288	822.238 ng/ml
60)	Aroclor 1268 (4)	8.991	11597816	62.432 ng/ml
61)	Aroclor 1268 (5)	9.217	63763405	925.629 ng/ml
62)	Aroclor 1268 (6)	9.491	32037537	68.962 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

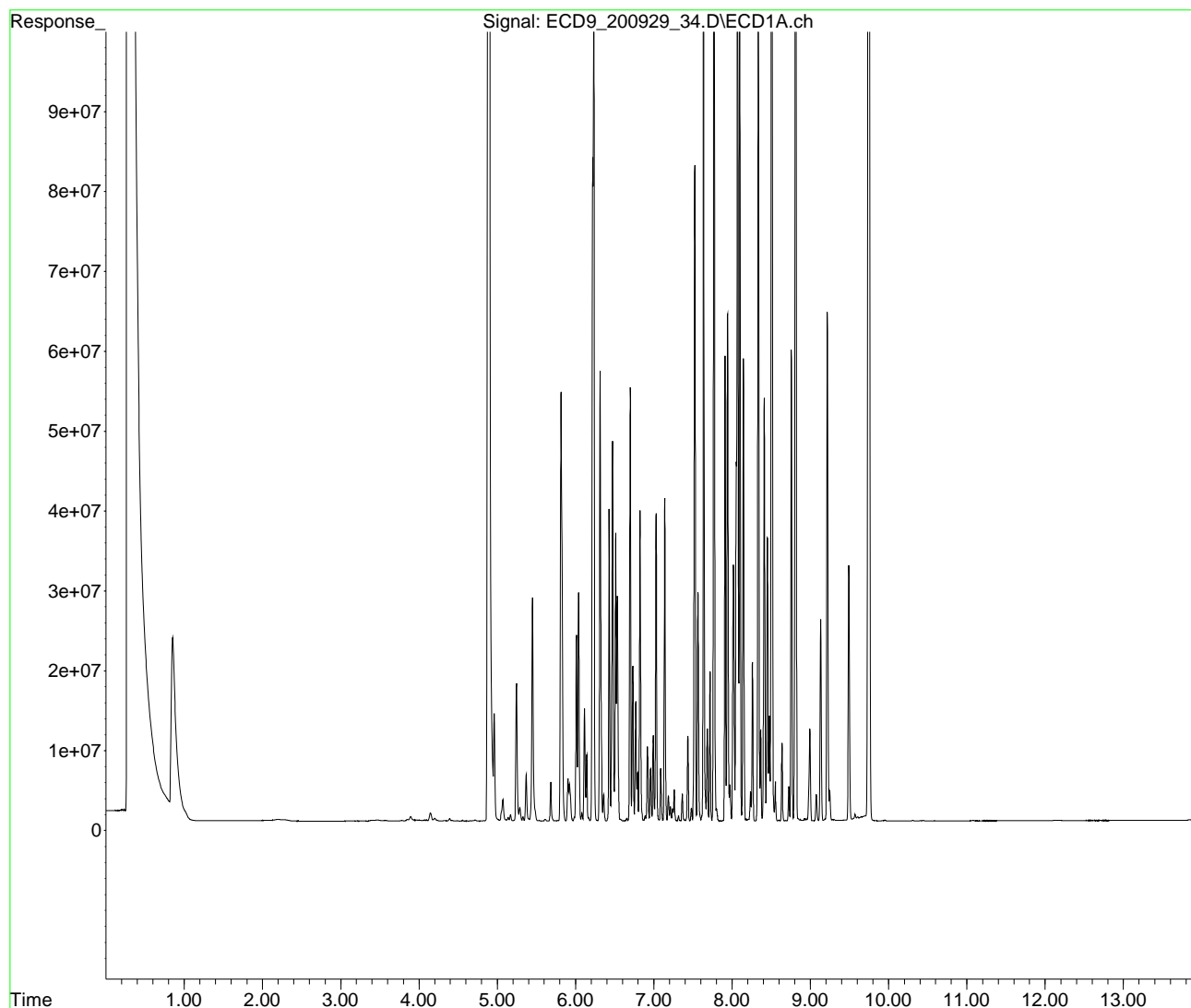
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_34.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:37 pm
Operator :
Sample : 0090841-BSD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:54:02 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_36.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:55 pm
 Operator :
 Sample : A0I0556-43RE1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

KAK 9/30/2020

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:07 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	304324499	226.044 ng/ml
64) S DCBP (S)	9.745	236298560	248.704 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.819	44561	0.819 ng/ml
3) Aroclor 1016 (2)	6.234	96094	1.059 ng/ml
4) Aroclor 1016 (3)	6.315	113034	2.014 ng/ml
5) Aroclor 1016 (4)	6.474	227032	4.848 ng/ml
6) Aroclor 1016 (5)	6.698	102660	1.865 ng/ml
7) Aroclor 1016 (6)	6.827	68396	1.799 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	5315464	335.082 ng/ml
10) Aroclor 1221 (2)	5.400	56825	5.329 ng/ml
11) Aroclor 1221 (3)	5.439	328643	9.659 ng/ml
12) Aroclor 1221 (4)	5.922	40263	6.881 ng/ml
13) Aroclor 1221 (5)	6.234	96094	14.988 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.439	328643	11.562 ng/ml
16) Aroclor 1232 (2)	6.234	96094	2.850 ng/ml
17) Aroclor 1232 (3)	6.315	113034	5.414 ng/ml
18) Aroclor 1232 (4)	6.474	227032	16.129 ng/ml
19) Aroclor 1232 (5)	6.698	102660	5.585 ng/ml
20) Aroclor 1232 (6)	6.827	68396	4.710 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.819	44561	1.205 ng/ml
23) Aroclor 1242 (2)	6.234	96094	1.508 ng/ml
24) Aroclor 1242 (3)	6.315	113034	3.014 ng/ml
25) Aroclor 1242 (4)	6.474	227032	7.596 ng/ml
26) Aroclor 1242 (5)	6.698	102660	2.746 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_36.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:55 pm
 Operator :
 Sample : A0I0556-43RE1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:07 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.827	68396	2.240 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.234	96094	2.427 ng/ml
30)	Aroclor 1248 (2)	6.474	227032	4.152 ng/ml
31)	Aroclor 1248 (3)	6.698	102660	1.581 ng/ml
32)	Aroclor 1248 (4)	7.007	1156057	16.750 ng/ml
33)	Aroclor 1248 (5)	7.028	625907	8.458 ng/ml
34)	Aroclor 1248 (6)	7.517	509353	13.099 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.028	625907	8.599 ng/ml
37)	Aroclor 1254 (2)	7.141	532291	6.524 ng/ml
38)	Aroclor 1254 (3)	7.517	509353	4.314 ng/ml
39)	Aroclor 1254 (4)	7.687	504866	6.629 ng/ml
40)	Aroclor 1254 (5)	8.069	549615	7.004 ng/ml
41)	Aroclor 1254 (6)	8.364	128064	4.965 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.637	487511	4.943 ng/ml
44)	Aroclor 1260 (2)	7.769	694621	5.874 ng/ml
45)	Aroclor 1260 (3)	8.336	305788	3.459 ng/ml
46)	Aroclor 1260 (4)	8.493	1388326	7.329 ng/ml
47)	Aroclor 1260 (5)	8.808	565311	4.573 ng/ml
48)	Aroclor 1260 (6)	9.217	227870	4.433 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.769	694621	8.220 ng/ml
51)	Aroclor 1262 (2)	8.099	341096	2.823 ng/ml
52)	Aroclor 1262 (3)	8.336	305788	3.105 ng/ml
53)	Aroclor 1262 (4)	8.493	1388326	6.931 ng/ml
54)	Aroclor 1262 (5)	8.808	565311	4.890 ng/ml
55)	Aroclor 1262 (6)	9.217	227870	3.764 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.336	305788	5.593 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_36.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:55 pm
 Operator :
 Sample : A0I0556-43RE1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:07 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	379653	1.572 ng/ml
59)	Aroclor 1268 (3)	8.808	565311	2.932 ng/ml
60)	Aroclor 1268 (4)	8.992	3620243	19.488 ng/ml
61)	Aroclor 1268 (5)	9.217	227870	3.308 ng/ml
62)	Aroclor 1268 (6)	9.492	7793696	16.776 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

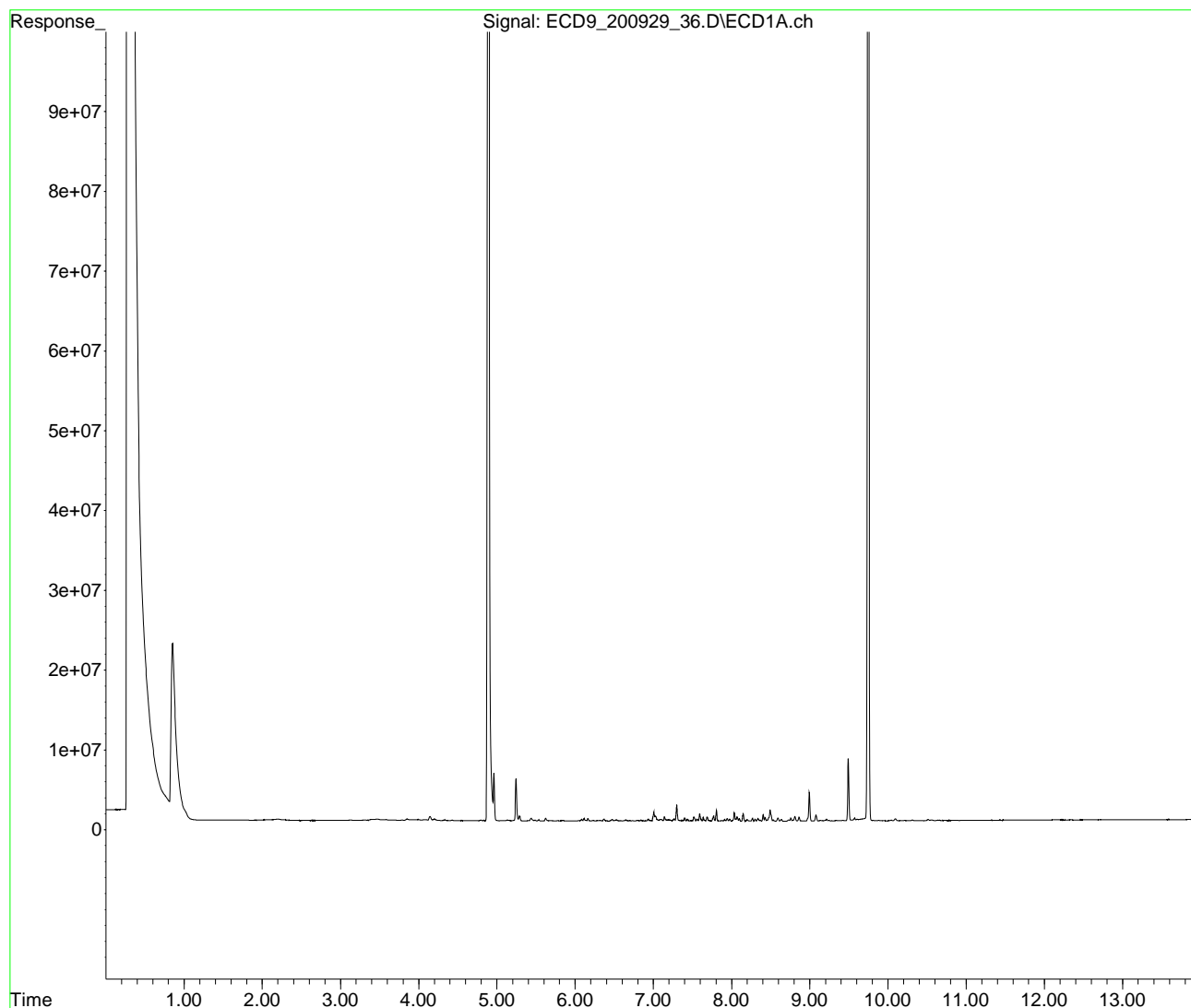
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_36.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:55 pm
Operator :
Sample : A0I0556-43RE1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:54:07 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_40.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:31 pm
 Operator :
 Sample : A0I0556-39RE1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

KAK 9/30/2020

1242 P-12
 1254 P-12
 1260 P-12
 1268 P-12

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:12 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	4.891	713144709	529.704	ng/ml
64) S DCBP (S)	9.746	545288251	573.916	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.816	470070	8.640	ng/ml
3) Aroclor 1016 (2)	6.233	1433194	15.788	ng/ml
4) Aroclor 1016 (3)	6.315	1048209	18.680	ng/ml
5) Aroclor 1016 (4)	6.475	3465393	74.006	ng/ml
6) Aroclor 1016 (5)	6.698	2836546	51.529	ng/ml
7) Aroclor 1016 (6)	6.827	2017011	53.044	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.246	12530265	789.896	ng/ml
10) Aroclor 1221 (2)	5.378	28369	2.661	ng/ml
11) Aroclor 1221 (3)	5.436	614782	18.070	ng/ml
12) Aroclor 1221 (4)	5.928	76056	12.999	ng/ml
13) Aroclor 1221 (5)	6.233	1433194	223.540	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	5.436	614782	21.629	ng/ml
16) Aroclor 1232 (2)	6.233	1433194	42.506	ng/ml
17) Aroclor 1232 (3)	6.315	1048209	50.210	ng/ml
18) Aroclor 1232 (4)	6.475	3465393	246.189	ng/ml
19) Aroclor 1232 (5)	6.698	2836546	154.326	ng/ml
20) Aroclor 1232 (6)	6.827	2017011	138.897	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	5.816	470070	12.707	ng/ml
23) Aroclor 1242 (2)	6.233	1433194	22.486	ng/ml
24) Aroclor 1242 (3)	6.315	1048209	27.948	ng/ml
25) Aroclor 1242 (4)	6.475	3465393	115.952	ng/ml
26) Aroclor 1242 (5)	6.698	2836546	75.870	ng/ml

21.047

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_40.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:31 pm
 Operator :
 Sample : A0I0556-39RE1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:12 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.827	2017011	66.072 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.233	1433194	36.198 ng/ml	
30) Aroclor 1248 (2)	6.475	3465393	63.380 ng/ml	
31) Aroclor 1248 (3)	6.698	2836546	43.687 ng/ml	
32) Aroclor 1248 (4)	6.995	5310088	76.935 ng/ml	
33) Aroclor 1248 (5)	7.032	7722504	104.354 ng/ml	
34) Aroclor 1248 (6)	7.519	6821106	175.422 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.032	7722504	106.099 ng/ml	
37) Aroclor 1254 (2)	7.142	4731862	57.997 ng/ml	
38) Aroclor 1254 (3)	7.519	6821106	57.766 ng/ml	49.189
39) Aroclor 1254 (4)	7.683	3923706	51.518 ng/ml	
40) Aroclor 1254 (5)	8.069	3686518	46.976 ng/ml	
41) Aroclor 1254 (6)	8.365	817262	31.687 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.637	5893398	59.758 ng/ml	
44) Aroclor 1260 (2)	7.770	9417376	79.637 ng/ml	
45) Aroclor 1260 (3)	8.334	9320502	105.418 ng/ml	103.412
46) Aroclor 1260 (4)	8.506	22810004	120.414 ng/ml	
47) Aroclor 1260 (5)	8.807	18769399	151.832 ng/ml	
48) Aroclor 1260 (6)	9.216	14702552	285.998 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.770	9417376	111.449 ng/ml	
51) Aroclor 1262 (2)	8.099	18572296	153.694 ng/ml	
52) Aroclor 1262 (3)	8.334	9320502	94.642 ng/ml	
53) Aroclor 1262 (4)	8.506	22810004	113.871 ng/ml	
54) Aroclor 1262 (5)	8.807	18769399	162.366 ng/ml	
55) Aroclor 1262 (6)	9.216	14702552	242.869 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.334	9320502	170.491 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_40.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:31 pm
 Operator :
 Sample : A0I0556-39RE1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:12 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units	
58)	Aroclor 1268 (2)	8.757	19647940	81.373 ng/ml	
59)	Aroclor 1268 (3)	8.807	18769399	97.364 ng/ml	
60)	Aroclor 1268 (4)	8.992	9856150	53.056 ng/ml	72.863
61)	Aroclor 1268 (5)	9.216	14702552	213.431 ng/ml	
62)	Aroclor 1268 (6)	9.492	27715165	59.658 ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml	

(f)=RT Delta > 1/2 Window

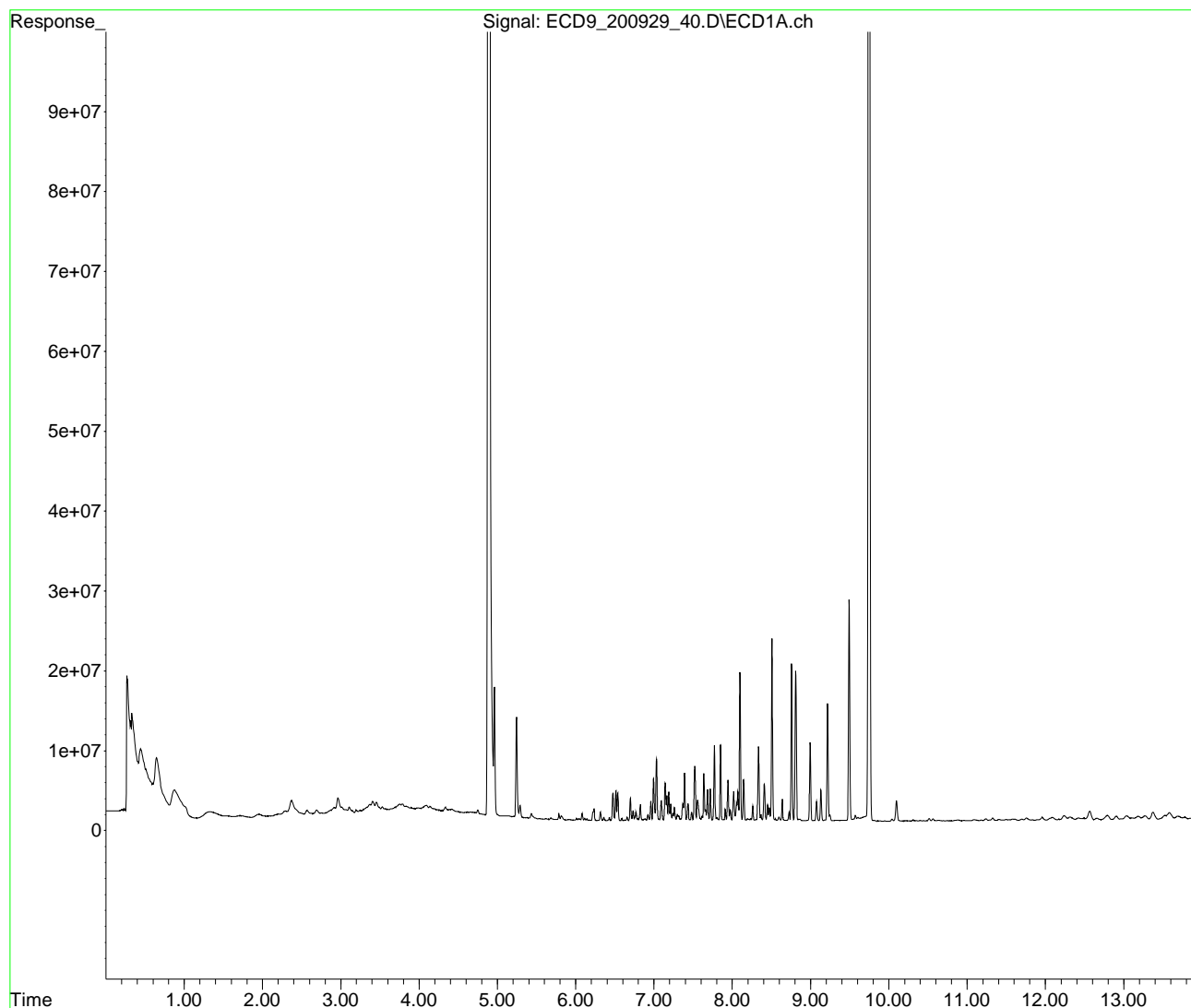
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_40.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 10:31 pm
Operator :
Sample : A0I0556-39RE1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:54:12 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_44.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 11:07 pm
 Operator :
 Sample : 0I29063-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/30/2020

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	390280969	289.890 ng/ml
64) S DCBP (S)	9.745	265158382	279.079 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	29369421	539.788 ng/ml
3) Aroclor 1016 (2)	6.232	51767667	570.253 ng/ml
4) Aroclor 1016 (3)	6.314	30684889	546.820 ng/ml
5) Aroclor 1016 (4)	6.473	24420610	521.518 ng/ml
6) Aroclor 1016 (5)	6.697	29640436	538.451 ng/ml
7) Aroclor 1016 (6)	6.826	20613481	542.095 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	9241297	582.563 ng/ml
10) Aroclor 1221 (2)	5.370	3372620	316.307 ng/ml
11) Aroclor 1221 (3)	5.451	15382743	452.130 ng/ml
12) Aroclor 1221 (4)	5.922	2734731	467.387 ng/ml
13) Aroclor 1221 (5)	6.232	51767667	8074.373 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.451	15382743	541.201 ng/ml
16) Aroclor 1232 (2)	6.232	51767667	1535.350 ng/ml
17) Aroclor 1232 (3)	6.314	30684889	1469.836 ng/ml
18) Aroclor 1232 (4)	6.473	24420610	1734.893 ng/ml
19) Aroclor 1232 (5)	6.697	29640436	1612.626 ng/ml
20) Aroclor 1232 (6)	6.826	20613481	1419.505 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	29369421	793.928 ng/ml
23) Aroclor 1242 (2)	6.232	51767667	812.221 ng/ml
24) Aroclor 1242 (3)	6.314	30684889	818.138 ng/ml
25) Aroclor 1242 (4)	6.473	24420610	817.114 ng/ml
26) Aroclor 1242 (5)	6.697	29640436	792.798 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_44.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 11:07 pm
 Operator :
 Sample : 0I29063-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.826	20613481	675.244 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.220	45047714	1137.762 ng/ml
30)	Aroclor 1248 (2)	6.473	24420610	446.640 ng/ml
31)	Aroclor 1248 (3)	6.697	29640436	456.509 ng/ml
32)	Aroclor 1248 (4)	6.995	5776185	83.688 ng/ml
33)	Aroclor 1248 (5)	7.030	19907564	269.011 ng/ml
34)	Aroclor 1248 (6)	7.523	38886136	1000.055 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.030	19907564	273.509 ng/ml
37)	Aroclor 1254 (2)	7.140	20031494	245.520 ng/ml
38)	Aroclor 1254 (3)	7.523	38886136	329.318 ng/ml
39)	Aroclor 1254 (4)	7.682	5766760	75.718 ng/ml
40)	Aroclor 1254 (5)	8.068	51340220	654.216 ng/ml
41)	Aroclor 1254 (6)	8.365	5639845	218.670 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.636	53699519	544.500 ng/ml
44)	Aroclor 1260 (2)	7.770	65748293	555.995 ng/ml
45)	Aroclor 1260 (3)	8.334	49257016	557.115 ng/ml
46)	Aroclor 1260 (4)	8.506	113193357	597.546 ng/ml
47)	Aroclor 1260 (5)	8.810	73252734	592.567 ng/ml
48)	Aroclor 1260 (6)	9.217	30058583	584.707 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	65748293	778.094 ng/ml
51)	Aroclor 1262 (2)	8.099	49140917	406.662 ng/ml
52)	Aroclor 1262 (3)	8.334	49257016	500.162 ng/ml
53)	Aroclor 1262 (4)	8.506	113193357	565.076 ng/ml
54)	Aroclor 1262 (5)	8.810	73252734	633.678 ng/ml
55)	Aroclor 1262 (6)	9.217	30058583	496.532 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.334	49257016	901.011 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_44.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 11:07 pm
 Operator :
 Sample : 0I29063-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	26602569	110.177 ng/ml
59)	Aroclor 1268 (3)	8.810	73252734	379.990 ng/ml
60)	Aroclor 1268 (4)	8.992	6328693	34.068 ng/ml
61)	Aroclor 1268 (5)	9.217	30058583	436.349 ng/ml
62)	Aroclor 1268 (6)	9.491	16261693	35.004 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

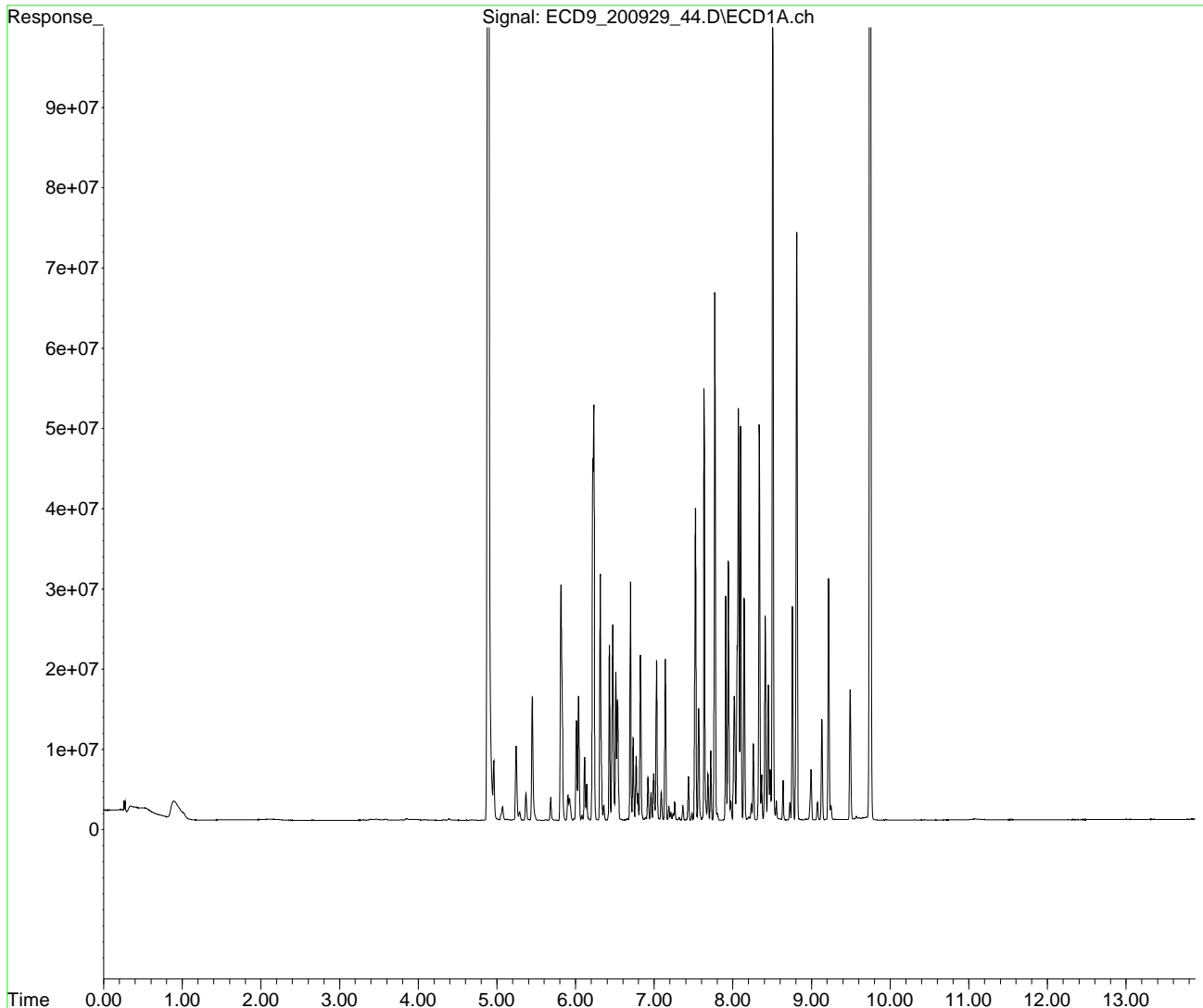
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_44.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 11:07 pm
Operator :
Sample : 0I29063-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:54:17 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_46.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 11:24 pm
 Operator :
 Sample : 0I29063-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/30/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	157355564	116.879 ng/ml
64) S DCBP (S)	9.743	110401930	116.198 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.814	21214	0.390 ng/ml
3) Aroclor 1016 (2)	6.245	43898	0.484 ng/ml
4) Aroclor 1016 (3)	6.316	28248	0.503 ng/ml
5) Aroclor 1016 (4)	6.490	73841	1.577 ng/ml
6) Aroclor 1016 (5)	6.696	28180	0.512 ng/ml
7) Aroclor 1016 (6)	6.825	31096	0.818 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3281634	206.871 ng/ml
10) Aroclor 1221 (2)	5.376	19659	1.844 ng/ml
11) Aroclor 1221 (3)	5.466	14151	0.416 ng/ml
12) Aroclor 1221 (4)	5.927	20103	3.436 ng/ml
13) Aroclor 1221 (5)	6.245	43898	6.847 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.466	14151	0.498 ng/ml
16) Aroclor 1232 (2)	6.245	43898	1.302 ng/ml
17) Aroclor 1232 (3)	6.316	28248	1.353 ng/ml
18) Aroclor 1232 (4)	6.490	73841	5.246 ng/ml
19) Aroclor 1232 (5)	6.696	28180	1.533 ng/ml
20) Aroclor 1232 (6)	6.825	31096	2.141 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.814	21214	0.573 ng/ml
23) Aroclor 1242 (2)	6.245	43898	0.689 ng/ml
24) Aroclor 1242 (3)	6.316	28248	0.753 ng/ml
25) Aroclor 1242 (4)	6.490	73841	2.471 ng/ml
26) Aroclor 1242 (5)	6.696	28180	0.754 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_46.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 11:24 pm
 Operator :
 Sample : 0I29063-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.825	31096	1.019 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.217	42529	1.074 ng/ml
30)	Aroclor 1248 (2)	6.490	73841	1.351 ng/ml
31)	Aroclor 1248 (3)	6.696	28180	0.434 ng/ml
32)	Aroclor 1248 (4)	7.005	1156488	16.756 ng/ml
33)	Aroclor 1248 (5)	7.005	1156488	15.628 ng/ml
34)	Aroclor 1248 (6)	7.519	42288	1.088 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	1156488	15.889 ng/ml
37)	Aroclor 1254 (2)	7.140	90472	1.109 ng/ml
38)	Aroclor 1254 (3)	7.519	42288	0.358 ng/ml
39)	Aroclor 1254 (4)	7.680	40889	0.537 ng/ml
40)	Aroclor 1254 (5)	8.079	137893	1.757 ng/ml
41)	Aroclor 1254 (6)	8.364	44592	1.729 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.638	43370	0.440 ng/ml
44)	Aroclor 1260 (2)	7.771	41190	0.348 ng/ml
45)	Aroclor 1260 (3)	8.329	60044	0.679 ng/ml
46)	Aroclor 1260 (4)	8.499	151508	0.800 ng/ml
47)	Aroclor 1260 (5)	8.810	86469	0.699 ng/ml
48)	Aroclor 1260 (6)	9.213	87233	1.697 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.771	41190	0.487 ng/ml
51)	Aroclor 1262 (2)	8.115	34468	0.285 ng/ml
52)	Aroclor 1262 (3)	8.329	60044	0.610 ng/ml
53)	Aroclor 1262 (4)	8.499	151508	0.756 ng/ml
54)	Aroclor 1262 (5)	8.810	86469	0.748 ng/ml
55)	Aroclor 1262 (6)	9.213	87233	1.441 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.329	60044	1.098 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
 Data File : ECD9_200929_46.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 11:24 pm
 Operator :
 Sample : 0I29063-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 30 11:54:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	100072	0.414 ng/ml
59)	Aroclor 1268 (3)	8.810	86469	0.449 ng/ml
60)	Aroclor 1268 (4)	8.992	2483752	13.370 ng/ml
61)	Aroclor 1268 (5)	9.213	87233	1.266 ng/ml
62)	Aroclor 1268 (6)	9.490	4586660	9.873 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

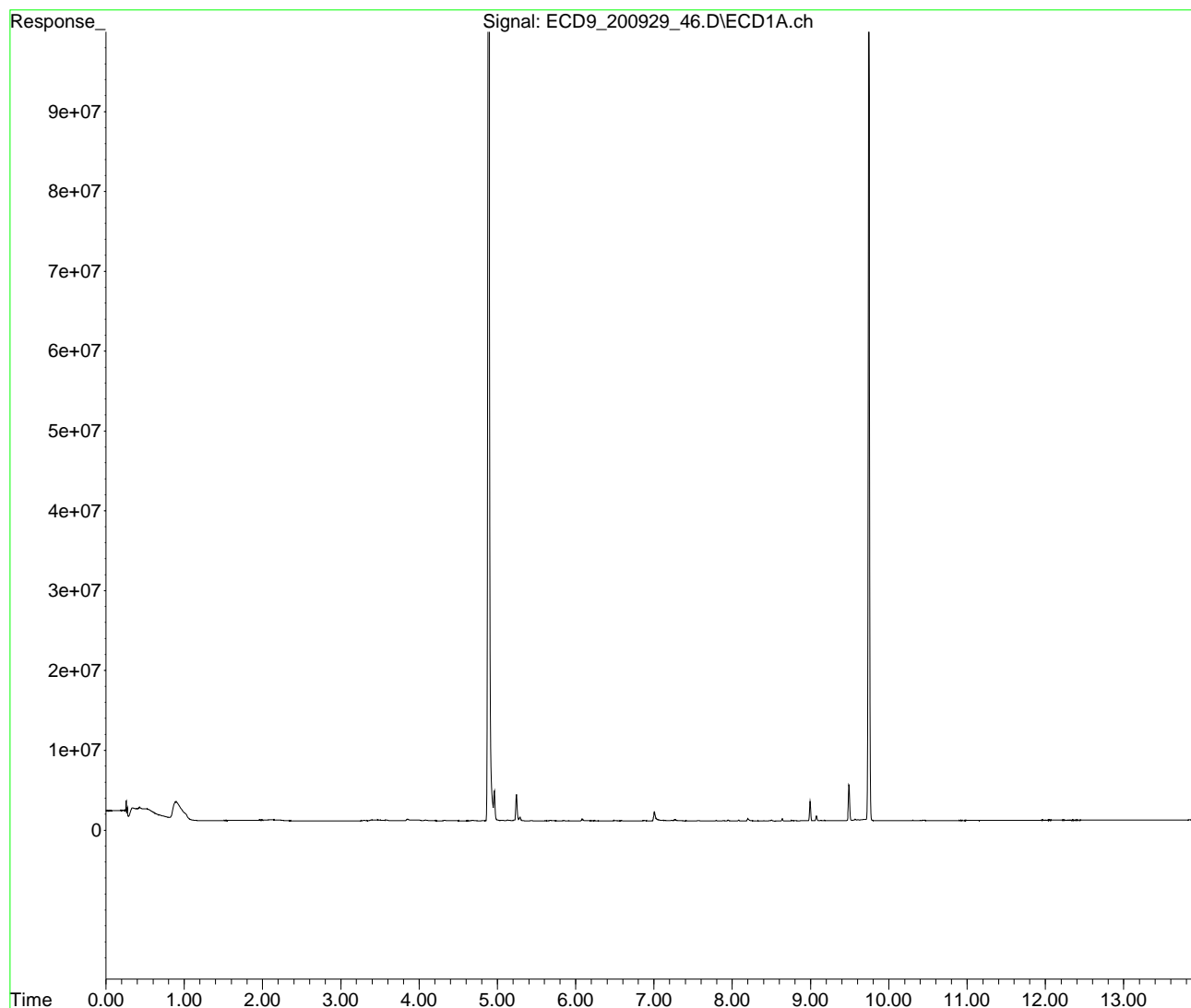
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29063\
Data File : ECD9_200929_46.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 11:24 pm
Operator :
Sample : 0I29063-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 30 11:54:22 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Sequence 0129026 (QC Only)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0129026

Instrument: DUALECD9R

Date: 09/29/20 06:24

Calibration: A011705

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0129026-CCV1	Sediment	QC	QC				A201167
2	0129026-CCB1	Sediment	QC	QC				A201313
3	0090782-BS2	Sediment	QC	QC		0090782		
4	0129026-CCV2	Sediment	QC	QC				A201167
5	0129026-CCB2	Sediment	QC	QC				A201313
6	A010556-45RE1	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
7	0129026-IBL1	Sediment	QC	QC				
8	0129026-CCV3	Sediment	QC	QC				A201167
9	0129026-CCB3	Sediment	QC	QC				A201313

Data Entered By/Date: KAK 9/29/2020

Comments:

Data Reviewed By/Date: MKZ 9/30/2020

9/29/2020 2:40:05PM

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.

0129026-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	450.34
1016 (2)	482.51
1016 (3)	460.97
1016 (4)	451.21
1016 (5)	457.79
1016 (6)	461.87
Average:	460.78

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	483.73
1260 (2)	494.82
1260 (3)	497.12
1260 (4)	529.33
1260 (5)	494.43
1260 (6)	483.86
Average:	497.22

0090782-BS2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	752.19
1016 (2)	861.42
1016 (3)	775.28
1016 (4)	825.88
1016 (5)	814.19
1016 (6)	786.23
Average:	802.53

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	918.24
1260 (2)	1,030.77
1260 (3)	977.19
1260 (4)	1,123.96
1260 (5)	997.09
1260 (6)	1,025.37
Average:	1,012.10

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.

0I29026-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	459.39
1016 (2)	507.88
1016 (3)	478.99
1016 (4)	449.21
1016 (5)	456.19
1016 (6)	457.44
<hr/>	
Average:	468.18

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	491.79
1260 (2)	488.39
1260 (3)	499.00
1260 (4)	547.39
1260 (5)	515.75
1260 (6)	486.76
<hr/>	
Average:	504.85

0I29026-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	459.41
1016 (2)	532.26
1016 (3)	489.14
1016 (4)	472.01
1016 (5)	472.92
1016 (6)	491.15
<hr/>	
Average:	486.15

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	493.39
1260 (2)	508.63
1260 (3)	509.61
1260 (4)	524.88
1260 (5)	531.42
1260 (6)	501.15
<hr/>	
Average:	511.51

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_03.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29026-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

KAK 9/29/2020

Integration File: events.e
 Quant Time: Sep 29 14:17:14 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	384293941	240.330 ng/ml
64) S DCBP (S)	10.858	170729944	240.458 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.443	25540053	450.345 ng/ml
3) Aroclor 1016 (2)	6.935	43802678	482.513 ng/ml
4) Aroclor 1016 (3)	7.064	19859139	460.965 ng/ml
5) Aroclor 1016 (4)	7.152	21042378	451.205 ng/ml
6) Aroclor 1016 (5)	7.197	23218940	457.790 ng/ml
7) Aroclor 1016 (6)	7.324	23031625	461.873 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.943	1558491	141.660 ng/ml
10) Aroclor 1221 (2)	6.016	3127349	281.590 ng/ml
11) Aroclor 1221 (3)	6.104	14390363	393.724 ng/ml
12) Aroclor 1221 (4)	6.618	14852765	1877.467 ng/ml
13) Aroclor 1221 (5)	6.935	43802678	7283.148 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.104	14390363	471.927 ng/ml
16) Aroclor 1232 (2)	6.443	25540053	1264.079 ng/ml
17) Aroclor 1232 (3)	6.935	43802678	1305.693 ng/ml
18) Aroclor 1232 (4)	7.152	21042378	1508.778 ng/ml
19) Aroclor 1232 (5)	7.197	23218940	1459.468 ng/ml
20) Aroclor 1232 (6)	7.324	23031625	1416.941 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.443	25540053	680.784 ng/ml
23) Aroclor 1242 (2)	6.935	43802678	728.070 ng/ml
24) Aroclor 1242 (3)	7.064	19859139	683.736 ng/ml
25) Aroclor 1242 (4)	7.152	21042378	737.923 ng/ml
26) Aroclor 1242 (5)	7.197	23218940	703.065 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_03.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29026-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:14 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.324	23031625	689.315 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.908	37689683	988.255 ng/ml
30)	Aroclor 1248 (2)	7.152	21042378	386.674 ng/ml
31)	Aroclor 1248 (3)	7.197	23218940	468.007 ng/ml
32)	Aroclor 1248 (4)	7.324	23031625	397.752 ng/ml
33)	Aroclor 1248 (5)	7.691	4928568	67.754 ng/ml
34)	Aroclor 1248 (6)	7.852	18891802	316.678 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.669	16873105	237.056 ng/ml
37)	Aroclor 1254 (2)	7.852	18891802	173.502 ng/ml
38)	Aroclor 1254 (3)	8.166	10447933	93.687 ng/ml
39)	Aroclor 1254 (4)	8.407	7097725	86.809 ng/ml
40)	Aroclor 1254 (5)	8.746	56200227	651.210 ng/ml
41)	Aroclor 1254 (6)	8.967	8223891	340.731 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.304	46502883	483.735 ng/ml
44)	Aroclor 1260 (2)	8.512	56830120	494.816 ng/ml
45)	Aroclor 1260 (3)	8.746	56200227	497.124 ng/ml
46)	Aroclor 1260 (4)	9.250	86953945	529.329 ng/ml
47)	Aroclor 1260 (5)	9.528	48033772	494.427 ng/ml
48)	Aroclor 1260 (6)	10.137	18738870	483.859 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.512	56830120	709.988 ng/ml
51)	Aroclor 1262 (2)	8.817	40802699	358.246 ng/ml
52)	Aroclor 1262 (3)	8.998	41344566	468.037 ng/ml
53)	Aroclor 1262 (4)	9.250	86953945	509.905 ng/ml
54)	Aroclor 1262 (5)	9.528	48033772	456.210 ng/ml
55)	Aroclor 1262 (6)	10.137	18738870	411.757 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.042	3175177	65.640 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_03.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29026-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:14 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	48033772	254.206 ng/ml
59)	Aroclor 1268 (3)	9.597	20053980	132.724 ng/ml
60)	Aroclor 1268 (4)	9.830	3874087	29.050 ng/ml
61)	Aroclor 1268 (5)	10.137	18738870	377.769 ng/ml
62)	Aroclor 1268 (6)	10.516	9814093	28.629 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

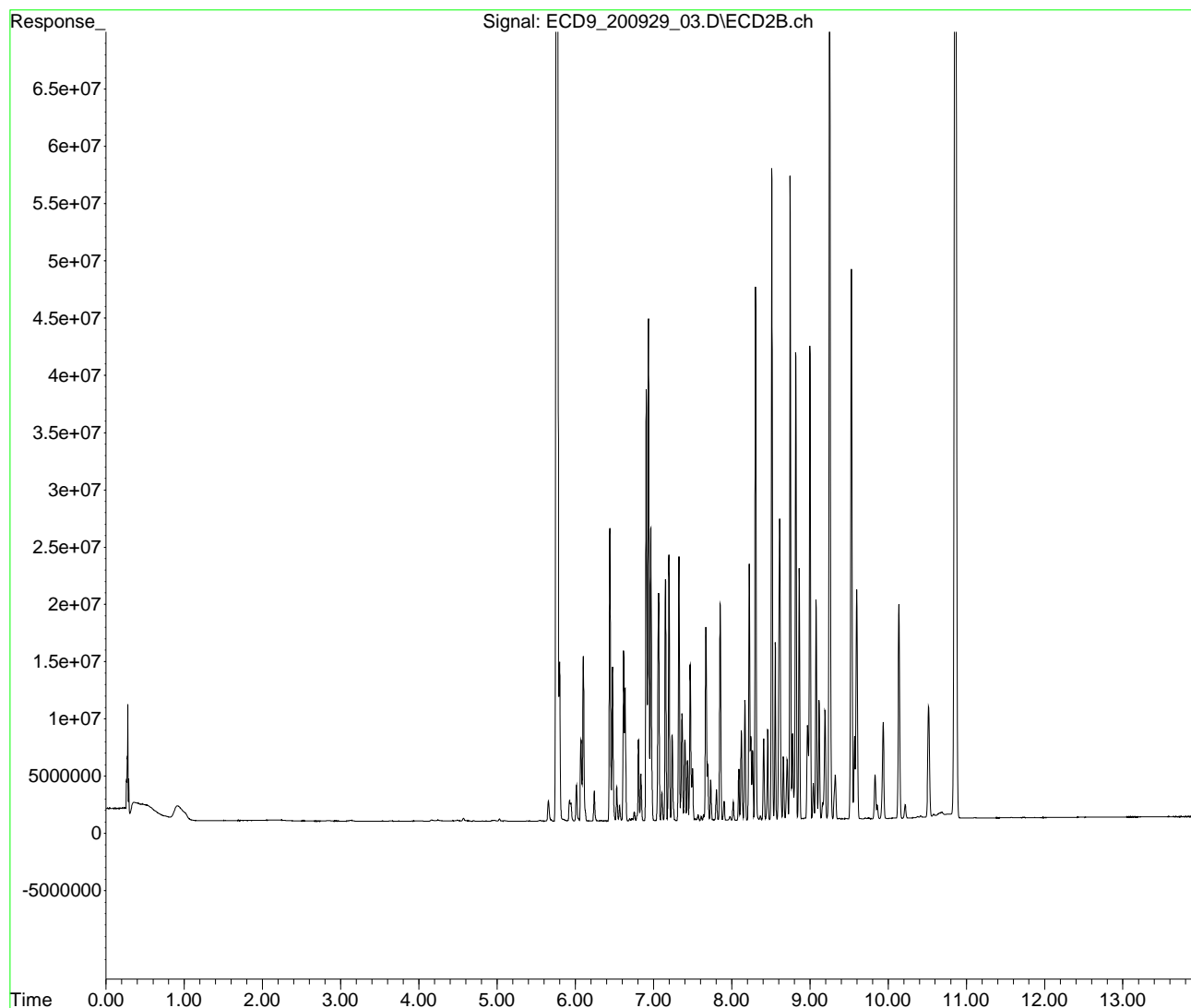
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_03.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 07:37 am
Operator :
Sample : 0I29026-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:14 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_05.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29026-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: events.e
 Quant Time: Sep 29 14:17:19 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	165842268	103.715 ng/ml
64) S DCBP (S)	10.857	71719645	101.011 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.449	11509	0.203 ng/ml
3) Aroclor 1016 (2)	6.950	16828	0.185 ng/ml
4) Aroclor 1016 (3)	7.073	19747	0.458 ng/ml
5) Aroclor 1016 (4)	7.149	17778	0.381 ng/ml
6) Aroclor 1016 (5)	7.215	12442	0.245 ng/ml
7) Aroclor 1016 (6)	7.322	13255	0.266 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.954	26918	2.447 ng/ml
10) Aroclor 1221 (2)	6.028	15321	1.380 ng/ml
11) Aroclor 1221 (3)	6.074	3247436	88.851 ng/ml
12) Aroclor 1221 (4)	6.625	10193	1.289 ng/ml
13) Aroclor 1221 (5)	6.950	16828	2.798 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.074	3247436	106.499 ng/ml
16) Aroclor 1232 (2)	6.449	11509	0.570 ng/ml
17) Aroclor 1232 (3)	6.950	16828	0.502 ng/ml
18) Aroclor 1232 (4)	7.149	17778	1.275 ng/ml
19) Aroclor 1232 (5)	7.215	12442	0.782 ng/ml
20) Aroclor 1232 (6)	7.322	13255	0.815 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.449	11509	0.307 ng/ml
23) Aroclor 1242 (2)	6.950	16828	0.280 ng/ml
24) Aroclor 1242 (3)	7.073	19747	0.680 ng/ml
25) Aroclor 1242 (4)	7.149	17778	0.623 ng/ml
26) Aroclor 1242 (5)	7.215	12442	0.377 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_05.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29026-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:19 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.322	13255	0.397 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.914	45407	1.191 ng/ml
30)	Aroclor 1248 (2)	7.149	17778	0.327 ng/ml
31)	Aroclor 1248 (3)	7.215	12442	0.251 ng/ml
32)	Aroclor 1248 (4)	7.322	13255	0.229 ng/ml
33)	Aroclor 1248 (5)	7.669	536648	7.377 ng/ml
34)	Aroclor 1248 (6)	7.851	47496	0.796 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.669	536648	7.540 ng/ml
37)	Aroclor 1254 (2)	7.851	47496	0.436 ng/ml
38)	Aroclor 1254 (3)	8.169	19599	0.176 ng/ml
39)	Aroclor 1254 (4)	8.416	177614	2.172 ng/ml
40)	Aroclor 1254 (5)	8.750	26656	0.309 ng/ml
41)	Aroclor 1254 (6)	8.998	274041	11.354 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.301	21482	0.223 ng/ml
44)	Aroclor 1260 (2)	8.512	21391	0.186 ng/ml
45)	Aroclor 1260 (3)	8.750	26656	0.236 ng/ml
46)	Aroclor 1260 (4)	9.253	30936	0.188 ng/ml
47)	Aroclor 1260 (5)	9.527	46446	0.478 ng/ml
48)	Aroclor 1260 (6)	10.095f	29870	0.771 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.512	21391	0.267 ng/ml
51)	Aroclor 1262 (2)	8.815	31654	0.278 ng/ml
52)	Aroclor 1262 (3)	8.998	274041	3.102 ng/ml
53)	Aroclor 1262 (4)	9.253	30936	0.181 ng/ml
54)	Aroclor 1262 (5)	9.527	46446	0.441 ng/ml
55)	Aroclor 1262 (6)	10.095f	29870	0.656 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.041	57950	1.198 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_05.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29026-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:19 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.527	46446	0.246 ng/ml
59)	Aroclor 1268 (3)	9.597	36845	0.244 ng/ml
60)	Aroclor 1268 (4)	9.831	1600621	12.002 ng/ml
61)	Aroclor 1268 (5)	10.095f	29870	0.602 ng/ml
62)	Aroclor 1268 (6)	10.517	3001739	8.757 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

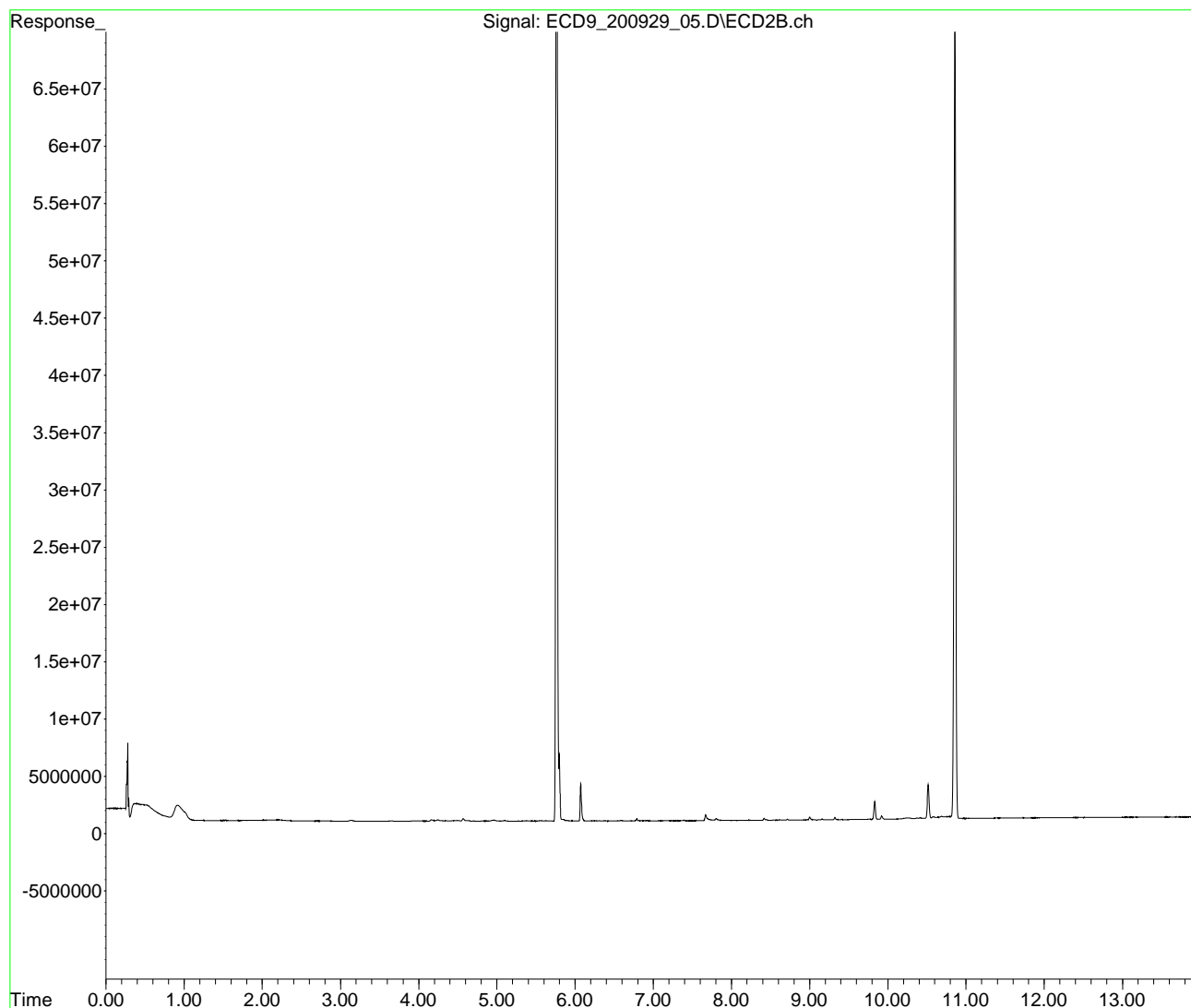
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_05.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 07:54 am
Operator :
Sample : 0I29026-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:19 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_07.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : 0090782-BS2@2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

KAK 9/29/2020

Integration File: events.e
 Quant Time: Sep 29 14:17:24 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	332935318	208.212 ng/ml
64) S DCBP (S)	10.857	187697272	264.355 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	42658285	752.188 ng/ml
3) Aroclor 1016 (2)	6.935	78199627	861.416 ng/ml
4) Aroclor 1016 (3)	7.063	33400519	775.284 ng/ml
5) Aroclor 1016 (4)	7.152	38515772	825.882 ng/ml
6) Aroclor 1016 (5)	7.197	41295551	814.192 ng/ml
7) Aroclor 1016 (6)	7.323	39206020	786.232 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.943	2403587	218.476 ng/ml
10) Aroclor 1221 (2)	6.016	4695610	422.797 ng/ml
11) Aroclor 1221 (3)	6.105	23396980	640.147 ng/ml
12) Aroclor 1221 (4)	6.618	23219096	2935.015 ng/ml
13) Aroclor 1221 (5)	6.935	78199627	13002.389 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.105	23396980	767.296 ng/ml
16) Aroclor 1232 (2)	6.444	42658285	2111.329 ng/ml
17) Aroclor 1232 (3)	6.935	78199627	2331.015 ng/ml
18) Aroclor 1232 (4)	7.152	38515772	2761.653 ng/ml
19) Aroclor 1232 (5)	7.197	41295551	2595.705 ng/ml
20) Aroclor 1232 (6)	7.323	39206020	2412.014 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	42658285	1137.079 ng/ml
23) Aroclor 1242 (2)	6.935	78199627	1299.802 ng/ml
24) Aroclor 1242 (3)	7.063	33400519	1149.957 ng/ml
25) Aroclor 1242 (4)	7.152	38515772	1350.688 ng/ml
26) Aroclor 1242 (5)	7.197	41295551	1250.421 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_07.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : 0090782-BS2@2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:24 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.323	39206020	1173.400	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.908	66035771	1731.512	ng/ml
30)	Aroclor 1248 (2)	7.152	38515772	707.765	ng/ml
31)	Aroclor 1248 (3)	7.197	41295551	832.364	ng/ml
32)	Aroclor 1248 (4)	7.323	39206020	677.080	ng/ml
33)	Aroclor 1248 (5)	7.691	8737230	120.113	ng/ml
34)	Aroclor 1248 (6)	7.852	36787747	616.663	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.670	30392831	426.999	ng/ml
37)	Aroclor 1254 (2)	7.852	36787747	337.858	ng/ml
38)	Aroclor 1254 (3)	8.166	18724269	167.902	ng/ml
39)	Aroclor 1254 (4)	8.407	13174682	161.134	ng/ml
40)	Aroclor 1254 (5)	8.746	110471750	1280.072	ng/ml
41)	Aroclor 1254 (6)	8.967	16147200	669.007	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.304	88272745	918.236	ng/ml
44)	Aroclor 1260 (2)	8.511	118385366	1030.774	ng/ml
45)	Aroclor 1260 (3)	8.746	110471750	977.187	ng/ml
46)	Aroclor 1260 (4)	9.250	184635717	1123.963	ng/ml
47)	Aroclor 1260 (5)	9.527	96867186	997.086	ng/ml
48)	Aroclor 1260 (6)	10.136	39710517	1025.371	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.511	118385366	1479.008	ng/ml
51)	Aroclor 1262 (2)	8.816	85275205	748.713	ng/ml
52)	Aroclor 1262 (3)	8.997	81714975	925.046	ng/ml
53)	Aroclor 1262 (4)	9.250	184635717	1082.718	ng/ml
54)	Aroclor 1262 (5)	9.527	96867186	920.014	ng/ml
55)	Aroclor 1262 (6)	10.136	39710517	872.577	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.041	5979378	123.611	ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_07.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : 0090782-BS2@2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:24 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.527	96867186	512.645 ng/ml
59)	Aroclor 1268 (3)	9.597	41290284	273.272 ng/ml
60)	Aroclor 1268 (4)	9.829	4802631	36.012 ng/ml
61)	Aroclor 1268 (5)	10.136	39710517	800.551 ng/ml
62)	Aroclor 1268 (6)	10.516	15065920	43.950 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

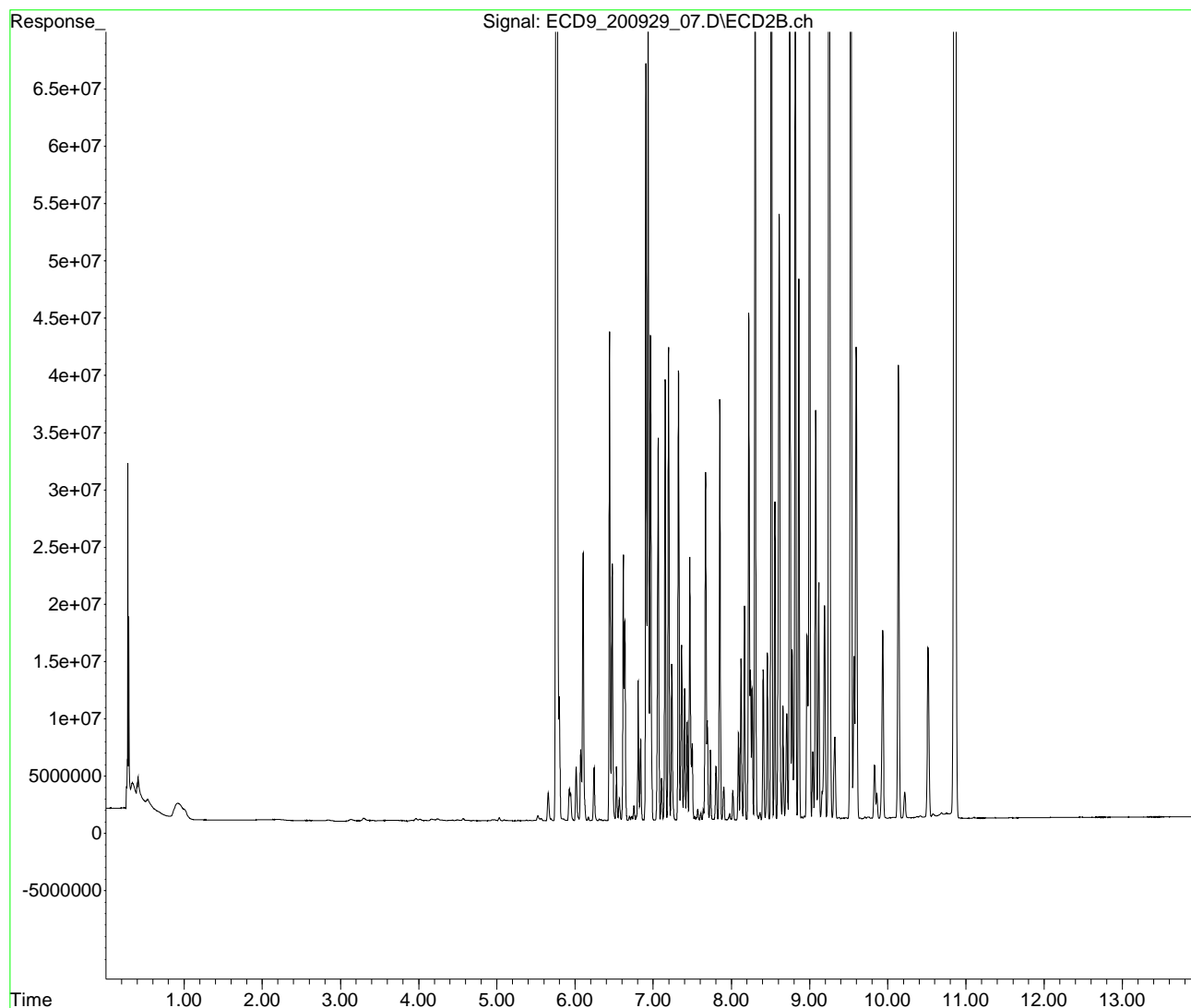
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_07.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 08:12 am
Operator :
Sample : 0090782-BS2@2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:24 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_09.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:30 am
 Operator :
 Sample : 0090782-MS2@2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 9/29/2020

Not analyzed, Dilution done in prep, additional dilution unnecessary

Integration File: events.e
 Quant Time: Sep 29 14:17:29 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	158462835	99.100 ng/ml
64) S DCBP (S)	10.856	75565973	106.428 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.443	19680117	347.017 ng/ml
3) Aroclor 1016 (2)	6.936	36435047	401.354 ng/ml
4) Aroclor 1016 (3)	7.063	14530445	337.277 ng/ml
5) Aroclor 1016 (4)	7.152	16940755	363.256 ng/ml
6) Aroclor 1016 (5)	7.197	18131501	357.485 ng/ml
7) Aroclor 1016 (6)	7.324	16935063	339.613 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.941	1075204	97.732 ng/ml
10) Aroclor 1221 (2)	6.016	2211489	199.125 ng/ml
11) Aroclor 1221 (3)	6.104	10830603	296.328 ng/ml
12) Aroclor 1221 (4)	6.618	10987023	1388.817 ng/ml
13) Aroclor 1221 (5)	6.936	36435047	6058.119 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.104	10830603	355.186 ng/ml
16) Aroclor 1232 (2)	6.443	19680117	974.047 ng/ml
17) Aroclor 1232 (3)	6.936	36435047	1086.075 ng/ml
18) Aroclor 1232 (4)	7.152	16940755	1214.684 ng/ml
19) Aroclor 1232 (5)	7.197	18131501	1139.688 ng/ml
20) Aroclor 1232 (6)	7.324	16935063	1041.871 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.443	19680117	524.584 ng/ml
23) Aroclor 1242 (2)	6.936	36435047	605.608 ng/ml
24) Aroclor 1242 (3)	7.063	14530445	500.273 ng/ml
25) Aroclor 1242 (4)	7.152	16940755	594.086 ng/ml
26) Aroclor 1242 (5)	7.197	18131501	549.018 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_09.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:30 am
 Operator :
 Sample : 0090782-MS2@2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:29 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.324	16935063	506.851 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.908	30435728	798.050 ng/ml
30)	Aroclor 1248 (2)	7.152	16940755	311.303 ng/ml
31)	Aroclor 1248 (3)	7.197	18131501	365.463 ng/ml
32)	Aroclor 1248 (4)	7.324	16935063	292.465 ng/ml
33)	Aroclor 1248 (5)	7.691	3829192	52.641 ng/ml
34)	Aroclor 1248 (6)	7.852	16319905	273.566 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.670	13888602	195.125 ng/ml
37)	Aroclor 1254 (2)	7.852	16319905	149.882 ng/ml
38)	Aroclor 1254 (3)	8.166	8604673	77.159 ng/ml
39)	Aroclor 1254 (4)	8.407	6230601	76.204 ng/ml
40)	Aroclor 1254 (5)	8.746	47448573	549.802 ng/ml
41)	Aroclor 1254 (6)	8.966	7342611	304.217 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.304	40009071	416.185 ng/ml
44)	Aroclor 1260 (2)	8.511	56143143	488.835 ng/ml
45)	Aroclor 1260 (3)	8.746	47448573	419.710 ng/ml
46)	Aroclor 1260 (4)	9.250	78586076	478.390 ng/ml
47)	Aroclor 1260 (5)	9.527	42139078	433.751 ng/ml
48)	Aroclor 1260 (6)	10.135	16464814	425.141 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.511	56143143	701.405 ng/ml
51)	Aroclor 1262 (2)	8.816	37143649	326.120 ng/ml
52)	Aroclor 1262 (3)	8.997	33123285	374.969 ng/ml
53)	Aroclor 1262 (4)	9.250	78586076	460.835 ng/ml
54)	Aroclor 1262 (5)	9.527	42139078	400.224 ng/ml
55)	Aroclor 1262 (6)	10.135	16464814	361.789 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.041	3045492	62.959 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_09.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:30 am
 Operator :
 Sample : 0090782-MS2@2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:29 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.527	42139078	223.010 ng/ml
59)	Aroclor 1268 (3)	9.596	17283604	114.388 ng/ml
60)	Aroclor 1268 (4)	9.830	2730761	20.477 ng/ml
61)	Aroclor 1268 (5)	10.135	16464814	331.925 ng/ml
62)	Aroclor 1268 (6)	10.516	7665947	22.363 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

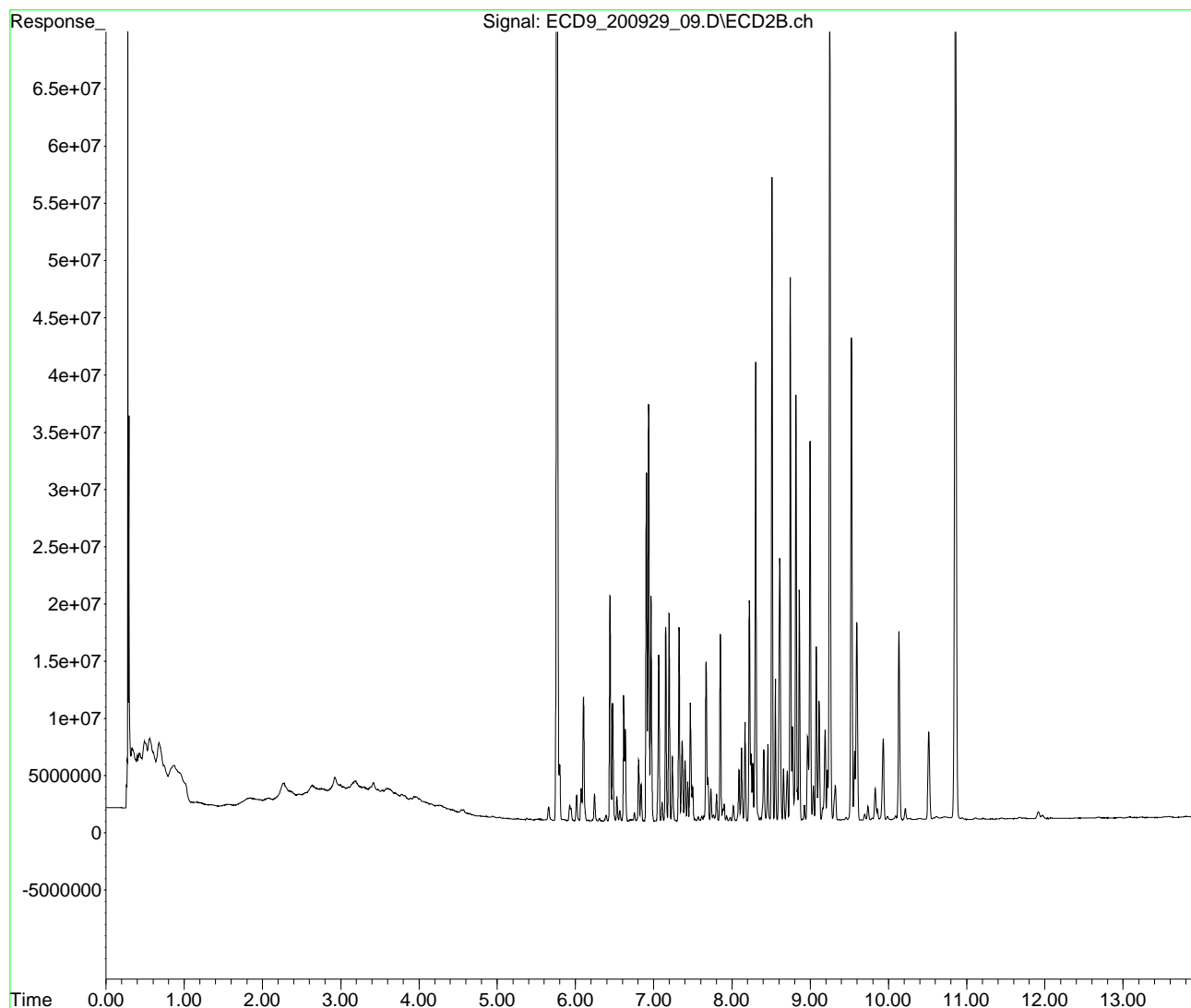
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_09.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 08:30 am
Operator :
Sample : 0090782-MS2@2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:29 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_11.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : 0I29026-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

KAK 9/29/2020

Integration File: events.e
 Quant Time: Sep 29 14:17:34 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	398687796	249.332 ng/ml
64) S DCBP (S)	10.857	168615914	237.481 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.443	26053023	459.390 ng/ml
3) Aroclor 1016 (2)	6.935	46105755	507.883 ng/ml
4) Aroclor 1016 (3)	7.063	20635548	478.987 ng/ml
5) Aroclor 1016 (4)	7.151	20949365	449.211 ng/ml
6) Aroclor 1016 (5)	7.197	23137612	456.186 ng/ml
7) Aroclor 1016 (6)	7.323	22810540	457.439 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.943	1574555	143.120 ng/ml
10) Aroclor 1221 (2)	6.016	3222505	290.158 ng/ml
11) Aroclor 1221 (3)	6.104	14781904	404.436 ng/ml
12) Aroclor 1221 (4)	6.618	14898300	1883.223 ng/ml
13) Aroclor 1221 (5)	6.935	46105755	7666.085 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.104	14781904	484.768 ng/ml
16) Aroclor 1232 (2)	6.443	26053023	1289.468 ng/ml
17) Aroclor 1232 (3)	6.935	46105755	1374.344 ng/ml
18) Aroclor 1232 (4)	7.151	20949365	1502.109 ng/ml
19) Aroclor 1232 (5)	7.197	23137612	1454.356 ng/ml
20) Aroclor 1232 (6)	7.323	22810540	1403.339 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.443	26053023	694.457 ng/ml
23) Aroclor 1242 (2)	6.935	46105755	766.351 ng/ml
24) Aroclor 1242 (3)	7.063	20635548	710.468 ng/ml
25) Aroclor 1242 (4)	7.151	20949365	734.661 ng/ml
26) Aroclor 1242 (5)	7.197	23137612	700.602 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_11.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : 0I29026-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:34 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.323	22810540	682.698 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.908	38601419	1012.161 ng/ml
30)	Aroclor 1248 (2)	7.151	20949365	384.965 ng/ml
31)	Aroclor 1248 (3)	7.197	23137612	466.368 ng/ml
32)	Aroclor 1248 (4)	7.323	22810540	393.934 ng/ml
33)	Aroclor 1248 (5)	7.691	5113577	70.298 ng/ml
34)	Aroclor 1248 (6)	7.852	19296733	323.466 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.670	17613390	247.456 ng/ml
37)	Aroclor 1254 (2)	7.852	19296733	177.221 ng/ml
38)	Aroclor 1254 (3)	8.165	10704791	95.991 ng/ml
39)	Aroclor 1254 (4)	8.407	7242581	88.581 ng/ml
40)	Aroclor 1254 (5)	8.746	56412137	653.666 ng/ml
41)	Aroclor 1254 (6)	8.967	7935242	328.771 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.303	47277669	491.794 ng/ml
44)	Aroclor 1260 (2)	8.511	56092075	488.390 ng/ml
45)	Aroclor 1260 (3)	8.746	56412137	498.998 ng/ml
46)	Aroclor 1260 (4)	9.250	89920334	547.387 ng/ml
47)	Aroclor 1260 (5)	9.527	50105365	515.751 ng/ml
48)	Aroclor 1260 (6)	10.136	18851122	486.758 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.511	56092075	700.767 ng/ml
51)	Aroclor 1262 (2)	8.816	42749390	375.338 ng/ml
52)	Aroclor 1262 (3)	8.997	40599440	459.602 ng/ml
53)	Aroclor 1262 (4)	9.250	89920334	527.300 ng/ml
54)	Aroclor 1262 (5)	9.527	50105365	475.885 ng/ml
55)	Aroclor 1262 (6)	10.136	18851122	414.224 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.042	3077376	63.618 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_11.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : 0I29026-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:34 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.527	50105365	265.170 ng/ml
59)	Aroclor 1268 (3)	9.597	19420133	128.529 ng/ml
60)	Aroclor 1268 (4)	9.830	3722145	27.910 ng/ml
61)	Aroclor 1268 (5)	10.136	18851122	380.032 ng/ml
62)	Aroclor 1268 (6)	10.516	10048878	29.314 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

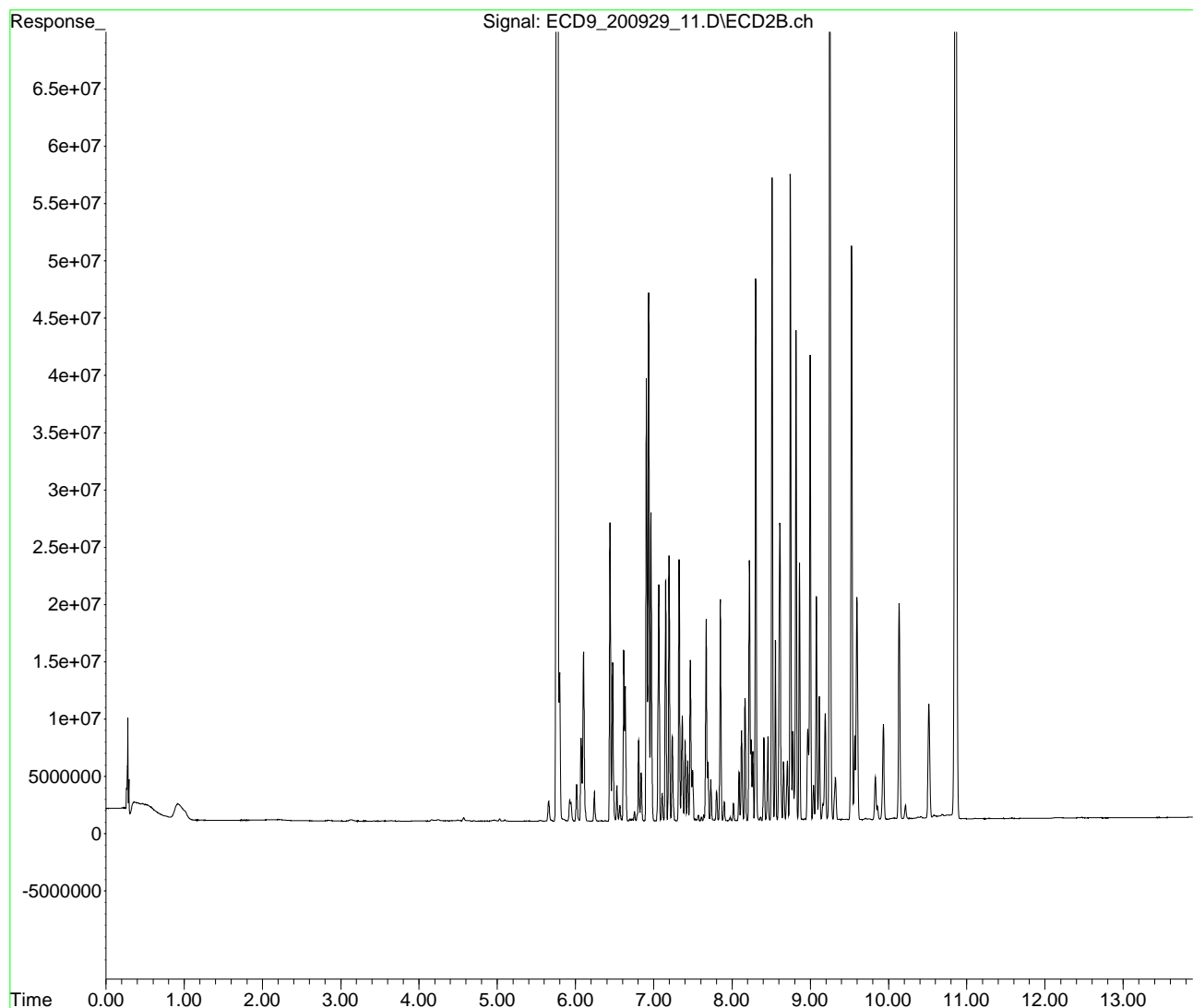
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_11.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : 0I29026-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:34 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_13.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:06 am
 Operator :
 Sample : 0I29026-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: events.e
 Quant Time: Sep 29 14:17:39 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	166936569	104.399 ng/ml
64) S DCBP (S)	10.857	71928195	101.305 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.462	17114	0.302 ng/ml
3) Aroclor 1016 (2)	6.945	16738	0.184 ng/ml
4) Aroclor 1016 (3)	7.073	20534	0.477 ng/ml
5) Aroclor 1016 (4)	7.151	16400	0.352 ng/ml
6) Aroclor 1016 (5)	7.188	18425	0.363 ng/ml
7) Aroclor 1016 (6)	7.322	14081	0.282 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.940	20615	1.874 ng/ml
10) Aroclor 1221 (2)	6.021	15424	1.389 ng/ml
11) Aroclor 1221 (3)	6.142	8114	0.222 ng/ml
12) Aroclor 1221 (4)	6.632	5428	0.686 ng/ml
13) Aroclor 1221 (5)	6.945	16738	2.783 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.142	8114	0.266 ng/ml
16) Aroclor 1232 (2)	6.462	17114	0.847 ng/ml
17) Aroclor 1232 (3)	6.945	16738	0.499 ng/ml
18) Aroclor 1232 (4)	7.151	16400	1.176 ng/ml
19) Aroclor 1232 (5)	7.214	14868	0.935 ng/ml
20) Aroclor 1232 (6)	7.322	14081	0.866 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.462	17114	0.456 ng/ml
23) Aroclor 1242 (2)	6.945	16738	0.278 ng/ml
24) Aroclor 1242 (3)	7.073	20534	0.707 ng/ml
25) Aroclor 1242 (4)	7.151	16400	0.575 ng/ml
26) Aroclor 1242 (5)	7.214	14868	0.450 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_13.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:06 am
 Operator :
 Sample : 0I29026-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:39 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.322	14081	0.421 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.914	60509	1.587 ng/ml
30)	Aroclor 1248 (2)	7.151	16400	0.301 ng/ml
31)	Aroclor 1248 (3)	7.188	18425	0.371 ng/ml
32)	Aroclor 1248 (4)	7.322	14081	0.243 ng/ml
33)	Aroclor 1248 (5)	7.670	530656	7.295 ng/ml
34)	Aroclor 1248 (6)	7.895f	33487	0.561 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.670	530656	7.455 ng/ml
37)	Aroclor 1254 (2)	7.895f	33487	0.308 ng/ml
38)	Aroclor 1254 (3)	8.163	13457	0.121 ng/ml
39)	Aroclor 1254 (4)	8.417	140112	1.714 ng/ml
40)	Aroclor 1254 (5)	8.746	13393	0.155 ng/ml
41)	Aroclor 1254 (6)	8.998	256040	10.608 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.300	19224	0.200 ng/ml
44)	Aroclor 1260 (2)	8.516	35144	0.306 ng/ml
45)	Aroclor 1260 (3)	8.746	13393	0.118 ng/ml
46)	Aroclor 1260 (4)	9.249	9867	0.060 ng/ml
47)	Aroclor 1260 (5)	9.529	22734	0.234 ng/ml
48)	Aroclor 1260 (6)	10.110	14305	0.369 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.516	35144	0.439 ng/ml
51)	Aroclor 1262 (2)	8.824	13588	0.119 ng/ml
52)	Aroclor 1262 (3)	8.998	256040	2.898 ng/ml
53)	Aroclor 1262 (4)	9.249	9867	0.058 ng/ml
54)	Aroclor 1262 (5)	9.529	22734	0.216 ng/ml
55)	Aroclor 1262 (6)	10.110	14305	0.314 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.039	43827	0.906 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_13.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:06 am
 Operator :
 Sample : 0I29026-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:39 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.529	22734	0.120 ng/ml
59)	Aroclor 1268 (3)	9.595	11820	0.078 ng/ml
60)	Aroclor 1268 (4)	9.830	1573598	11.800 ng/ml
61)	Aroclor 1268 (5)	10.110	14305	0.288 ng/ml
62)	Aroclor 1268 (6)	10.516	2992024	8.728 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

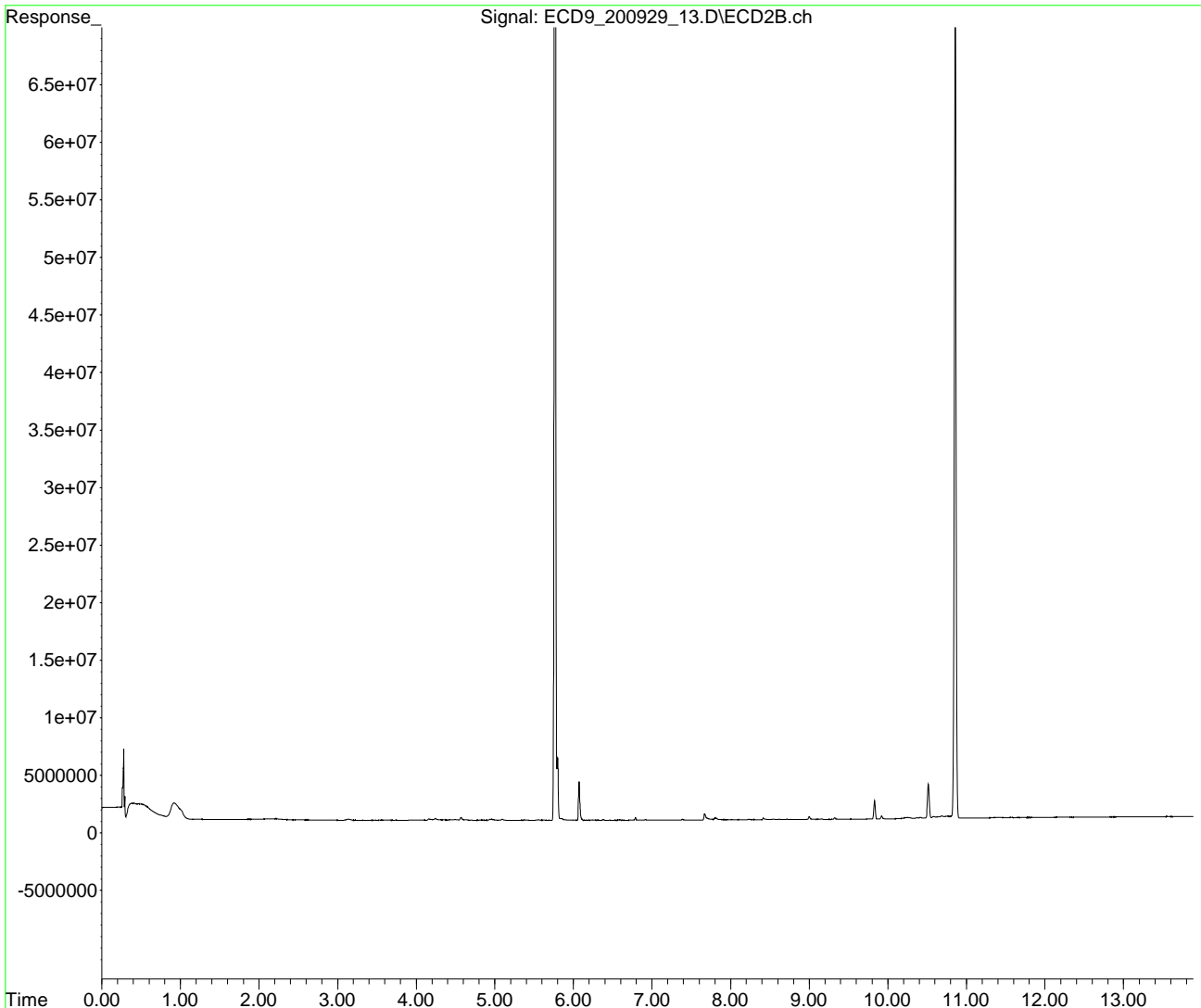
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_13.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 09:06 am
Operator :
Sample : 0I29026-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:39 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_15.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-45RE1
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 9/29/2020

N.R., ran for aroclor confirmation

Integration File: events.e
 Quant Time: Sep 29 14:17:45 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	328866581	205.667 ng/ml
64) S DCBP (S)	10.859	155285171	218.706 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.443	31161	0.549 ng/ml
3) Aroclor 1016 (2)	6.937	80215	0.884 ng/ml
4) Aroclor 1016 (3)	7.068	53842	1.250 ng/ml
5) Aroclor 1016 (4)	7.166	1096094	23.503 ng/ml
6) Aroclor 1016 (5)	7.198	242345	4.778 ng/ml
7) Aroclor 1016 (6)	7.324	189747	3.805 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.951	8815	0.801 ng/ml
10) Aroclor 1221 (2)	6.016	2749	0.248 ng/ml
11) Aroclor 1221 (3)	6.075	5442117	148.898 ng/ml
12) Aroclor 1221 (4)	6.618	17116	2.164 ng/ml
13) Aroclor 1221 (5)	6.937	80215	13.337 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.075	5442117	178.472 ng/ml
16) Aroclor 1232 (2)	6.443	31161	1.542 ng/ml
17) Aroclor 1232 (3)	6.937	80215	2.391 ng/ml
18) Aroclor 1232 (4)	7.166	1096094	78.592 ng/ml
19) Aroclor 1232 (5)	7.198	242345	15.233 ng/ml
20) Aroclor 1232 (6)	7.324	189747	11.674 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.443	31161	0.831 ng/ml
23) Aroclor 1242 (2)	6.937	80215	1.333 ng/ml
24) Aroclor 1242 (3)	7.068	53842	1.854 ng/ml
25) Aroclor 1242 (4)	7.166	1096094	38.438 ng/ml
26) Aroclor 1242 (5)	7.198	242345	7.338 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_15.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-45RE1
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:45 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.324	189747	5.679 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.907	64660	1.695 ng/ml
30)	Aroclor 1248 (2)	7.166	1096094	20.142 ng/ml
31)	Aroclor 1248 (3)	7.198	242345	4.885 ng/ml
32)	Aroclor 1248 (4)	7.324	189747	3.277 ng/ml
33)	Aroclor 1248 (5)	7.692	654616	8.999 ng/ml
34)	Aroclor 1248 (6)	7.853	2433175	40.787 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.671	1791175	25.165 ng/ml
37)	Aroclor 1254 (2)	7.853	2433175	22.346 ng/ml
38)	Aroclor 1254 (3)	8.166	1896816	17.009 ng/ml
39)	Aroclor 1254 (4)	8.407	1563762	19.126 ng/ml
40)	Aroclor 1254 (5)	8.746	5673237	65.738 ng/ml
41)	Aroclor 1254 (6)	8.965	1542784	63.920 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.290	6849330	71.248 ng/ml
44)	Aroclor 1260 (2)	8.512	13290707	115.721 ng/ml
45)	Aroclor 1260 (3)	8.746	5673237	50.183 ng/ml
46)	Aroclor 1260 (4)	9.251	7878554	47.960 ng/ml
47)	Aroclor 1260 (5)	9.529	5586574	57.504 ng/ml
48)	Aroclor 1260 (6)	10.138	1957183	50.537 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.512	13290707	166.043 ng/ml
51)	Aroclor 1262 (2)	8.817	3680874	32.318 ng/ml
52)	Aroclor 1262 (3)	8.998	3096139	35.050 ng/ml
53)	Aroclor 1262 (4)	9.251	7878554	46.200 ng/ml
54)	Aroclor 1262 (5)	9.529	5586574	53.060 ng/ml
55)	Aroclor 1262 (6)	10.138	1957183	43.006 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.039	1500376	31.017 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_15.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-45RE1
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:45 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.529	5586574	29.565 ng/ml
59)	Aroclor 1268 (3)	9.598	2498614	16.537 ng/ml
60)	Aroclor 1268 (4)	9.831	3918972	29.386 ng/ml
61)	Aroclor 1268 (5)	10.138	1957183	39.456 ng/ml
62)	Aroclor 1268 (6)	10.518	7929248	23.131 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

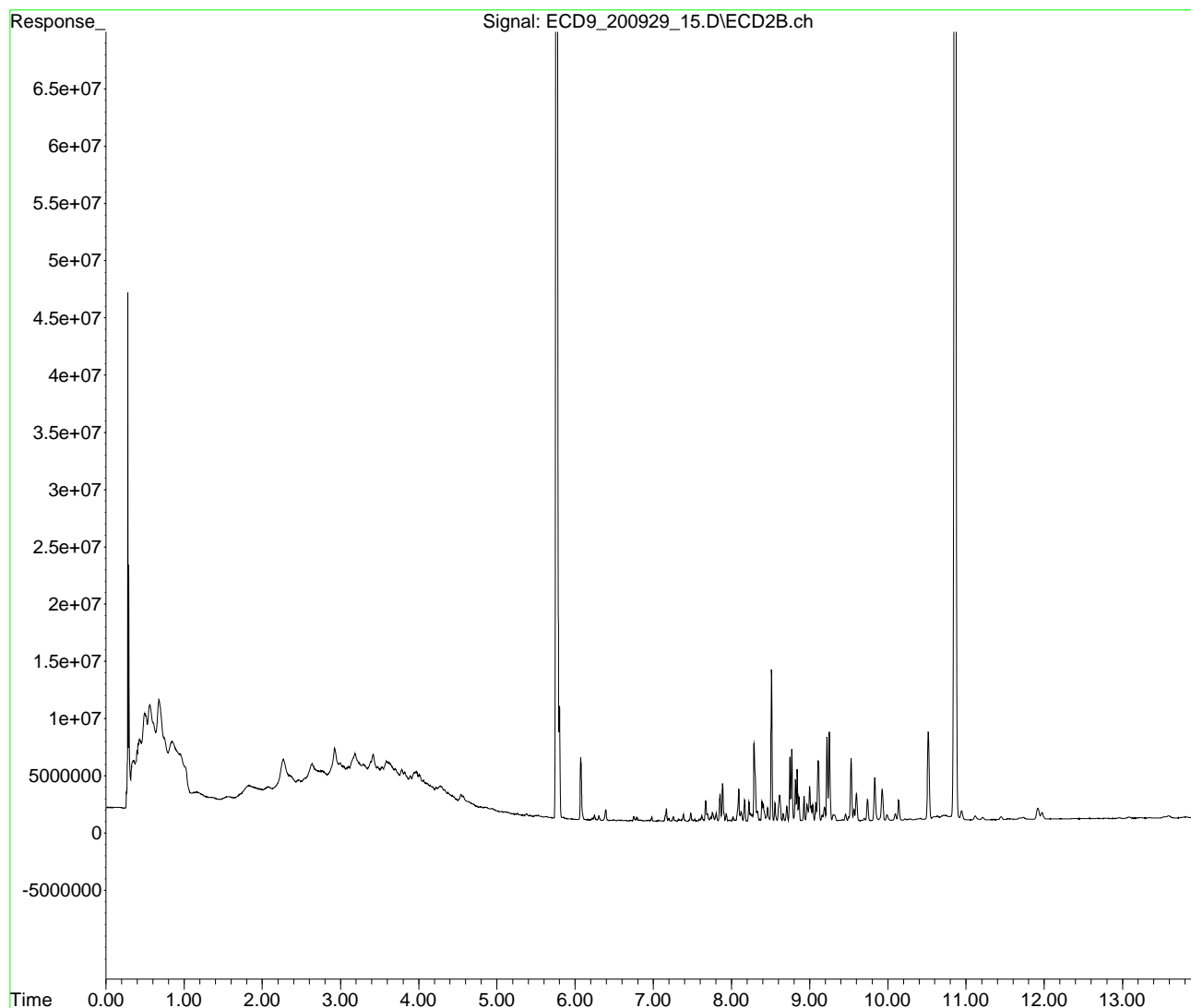
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_15.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 09:24 am
Operator :
Sample : A0I0556-45RE1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:45 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_19.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29026-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

KAK 9/29/2020

Integration File: events.e
 Quant Time: Sep 29 14:17:50 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	402033453	251.424 ng/ml
64) S DCBP (S)	10.858	174583648	245.886 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.443	26054355	459.413 ng/ml
3) Aroclor 1016 (2)	6.935	48319166	532.265 ng/ml
4) Aroclor 1016 (3)	7.064	21073015	489.141 ng/ml
5) Aroclor 1016 (4)	7.152	22012532	472.008 ng/ml
6) Aroclor 1016 (5)	7.197	23986225	472.918 ng/ml
7) Aroclor 1016 (6)	7.323	24491418	491.147 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.943	1663030	151.162 ng/ml
10) Aroclor 1221 (2)	6.016	3245323	292.212 ng/ml
11) Aroclor 1221 (3)	6.104	15300208	418.617 ng/ml
12) Aroclor 1221 (4)	6.618	15872004	2006.304 ng/ml
13) Aroclor 1221 (5)	6.935	48319166	8034.112 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.104	15300208	501.765 ng/ml
16) Aroclor 1232 (2)	6.443	26054355	1289.534 ng/ml
17) Aroclor 1232 (3)	6.935	48319166	1440.323 ng/ml
18) Aroclor 1232 (4)	7.152	22012532	1578.340 ng/ml
19) Aroclor 1232 (5)	7.197	23986225	1507.697 ng/ml
20) Aroclor 1232 (6)	7.323	24491418	1506.749 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.443	26054355	694.493 ng/ml
23) Aroclor 1242 (2)	6.935	48319166	803.141 ng/ml
24) Aroclor 1242 (3)	7.064	21073015	725.529 ng/ml
25) Aroclor 1242 (4)	7.152	22012532	771.945 ng/ml
26) Aroclor 1242 (5)	7.197	23986225	726.298 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_19.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29026-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:50 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.323	24491418	733.005	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.908	39884968	1045.817	ng/ml
30)	Aroclor 1248 (2)	7.152	22012532	404.502	ng/ml
31)	Aroclor 1248 (3)	7.197	23986225	483.473	ng/ml
32)	Aroclor 1248 (4)	7.323	24491418	422.962	ng/ml
33)	Aroclor 1248 (5)	7.692	5119799	70.383	ng/ml
34)	Aroclor 1248 (6)	7.852	19645717	329.316	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.670	17083618	240.013	ng/ml
37)	Aroclor 1254 (2)	7.852	19645717	180.426	ng/ml
38)	Aroclor 1254 (3)	8.166	11020309	98.820	ng/ml
39)	Aroclor 1254 (4)	8.407	7218133	88.282	ng/ml
40)	Aroclor 1254 (5)	8.746	57611550	667.564	ng/ml
41)	Aroclor 1254 (6)	8.967	8458619	350.456	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.304	47431189	493.391	ng/ml
44)	Aroclor 1260 (2)	8.512	58416493	508.629	ng/ml
45)	Aroclor 1260 (3)	8.746	57611550	509.608	ng/ml
46)	Aroclor 1260 (4)	9.251	86223715	524.884	ng/ml
47)	Aroclor 1260 (5)	9.528	51627723	531.421	ng/ml
48)	Aroclor 1260 (6)	10.137	19408539	501.151	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.512	58416493	729.807	ng/ml
51)	Aroclor 1262 (2)	8.817	42104224	369.674	ng/ml
52)	Aroclor 1262 (3)	8.997	41626442	471.228	ng/ml
53)	Aroclor 1262 (4)	9.251	86223715	505.623	ng/ml
54)	Aroclor 1262 (5)	9.528	51627723	490.344	ng/ml
55)	Aroclor 1262 (6)	10.137	19408539	426.472	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.042	3082852	63.731	ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_19.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29026-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:50 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	51627723	273.226 ng/ml
59)	Aroclor 1268 (3)	9.597	19753270	130.733 ng/ml
60)	Aroclor 1268 (4)	9.830	3876304	29.066 ng/ml
61)	Aroclor 1268 (5)	10.137	19408539	391.270 ng/ml
62)	Aroclor 1268 (6)	10.517	10094382	29.447 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

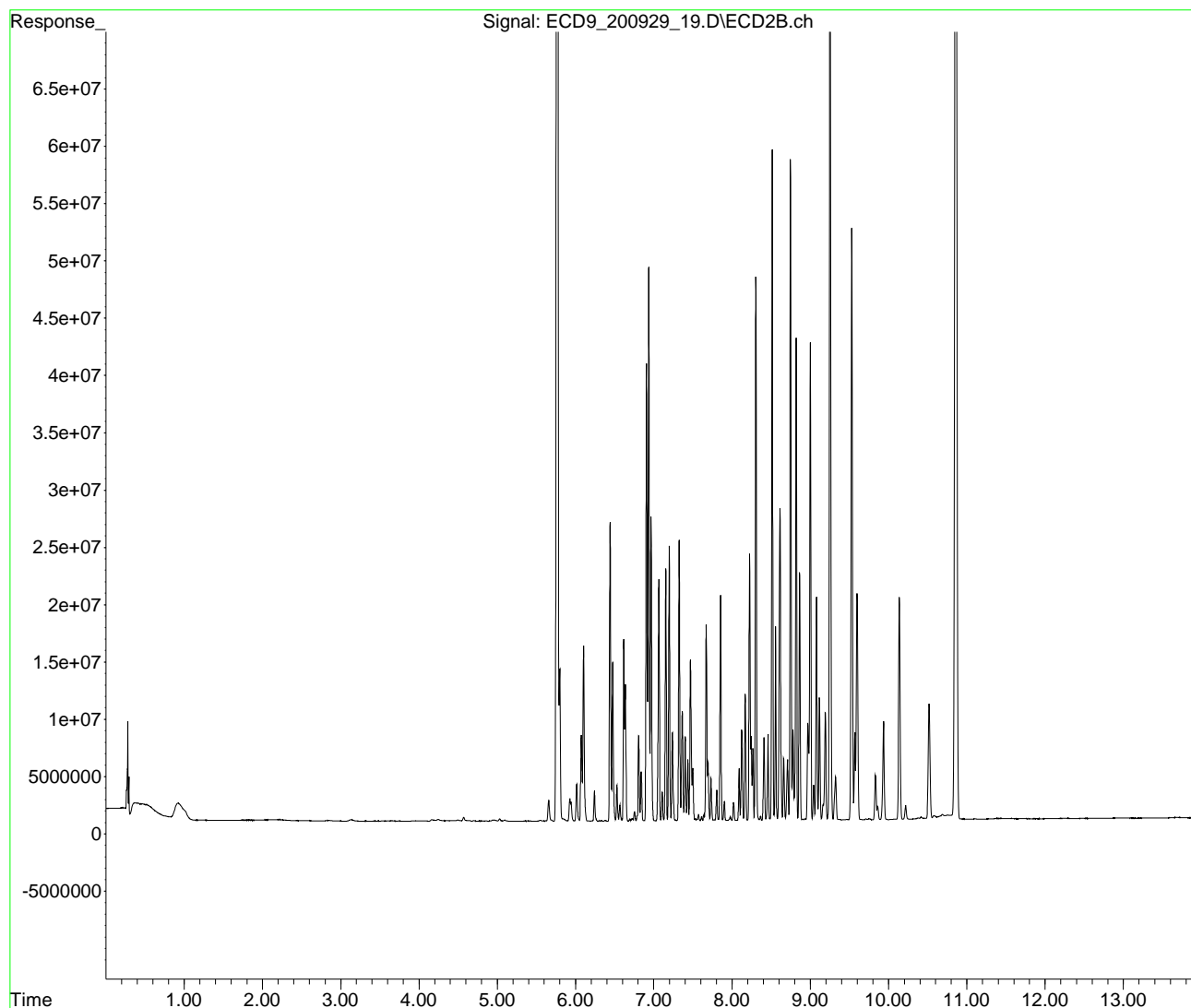
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_19.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 09:59 am
Operator :
Sample : 0I29026-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:50 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_21.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29026-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: events.e
 Quant Time: Sep 29 14:17:56 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.764	175660182	109.855 ng/ml
64) S DCBP (S)	10.858	74958702	105.573 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.444	7316	0.129 ng/ml
3) Aroclor 1016 (2)	6.914	67660	0.745 ng/ml
4) Aroclor 1016 (3)	7.075	18006	0.418 ng/ml
5) Aroclor 1016 (4)	7.161	12882	0.276 ng/ml
6) Aroclor 1016 (5)	7.187	16895	0.333 ng/ml
7) Aroclor 1016 (6)	7.319	10559	0.212 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.935	20035	1.821 ng/ml
10) Aroclor 1221 (2)	6.018	17210	1.550 ng/ml
11) Aroclor 1221 (3)	6.073	3372718	92.278 ng/ml
12) Aroclor 1221 (4)	6.626	7660	0.968 ng/ml
13) Aroclor 1221 (5)	6.914	67660	11.250 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.073	3372718	110.607 ng/ml
16) Aroclor 1232 (2)	6.444	7316	0.362 ng/ml
17) Aroclor 1232 (3)	6.914	67660	2.017 ng/ml
18) Aroclor 1232 (4)	7.161	12882	0.924 ng/ml
19) Aroclor 1232 (5)	7.187	16895	1.062 ng/ml
20) Aroclor 1232 (6)	7.319	10559	0.650 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.444	7316	0.195 ng/ml
23) Aroclor 1242 (2)	6.914	67660	1.125 ng/ml
24) Aroclor 1242 (3)	7.075	18006	0.620 ng/ml
25) Aroclor 1242 (4)	7.161	12882	0.452 ng/ml
26) Aroclor 1242 (5)	7.187	16895	0.512 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_21.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29026-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:56 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.319	10559	0.316 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.914	67660	1.774 ng/ml
30)	Aroclor 1248 (2)	7.161	12882	0.237 ng/ml
31)	Aroclor 1248 (3)	7.187	16895	0.341 ng/ml
32)	Aroclor 1248 (4)	7.319	10559	0.182 ng/ml
33)	Aroclor 1248 (5)	7.670	599934	8.247 ng/ml
34)	Aroclor 1248 (6)	7.900f	32208	0.540 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.670	599934	8.429 ng/ml
37)	Aroclor 1254 (2)	7.900f	32208	0.296 ng/ml
38)	Aroclor 1254 (3)	8.161	9844	0.088 ng/ml
39)	Aroclor 1254 (4)	8.417	118160	1.445 ng/ml
40)	Aroclor 1254 (5)	8.756	16008	0.185 ng/ml
41)	Aroclor 1254 (6)	8.999	310064	12.847 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.302	15547	0.162 ng/ml
44)	Aroclor 1260 (2)	8.535	31946	0.278 ng/ml
45)	Aroclor 1260 (3)	8.756	16008	0.142 ng/ml
46)	Aroclor 1260 (4)	9.254	40592	0.247 ng/ml
47)	Aroclor 1260 (5)	9.529	44508	0.458 ng/ml
48)	Aroclor 1260 (6)	10.134	56738	1.465 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.535	31946	0.399 ng/ml
51)	Aroclor 1262 (2)	8.785	21204	0.186 ng/ml
52)	Aroclor 1262 (3)	8.999	310064	3.510 ng/ml
53)	Aroclor 1262 (4)	9.254	40592	0.238 ng/ml
54)	Aroclor 1262 (5)	9.529	44508	0.423 ng/ml
55)	Aroclor 1262 (6)	10.134	56738	1.247 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.999f	310064	6.410 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
 Data File : ECD9_200929_21.D
 Signal(s) : ECD2B.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29026-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 29 14:17:56 2020
 Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.529	44508	0.236 ng/ml
59)	Aroclor 1268 (3)	9.595	40366	0.267 ng/ml
60)	Aroclor 1268 (4)	9.830	1587493	11.904 ng/ml
61)	Aroclor 1268 (5)	10.134	56738	1.144 ng/ml
62)	Aroclor 1268 (6)	10.517	3040336	8.869 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

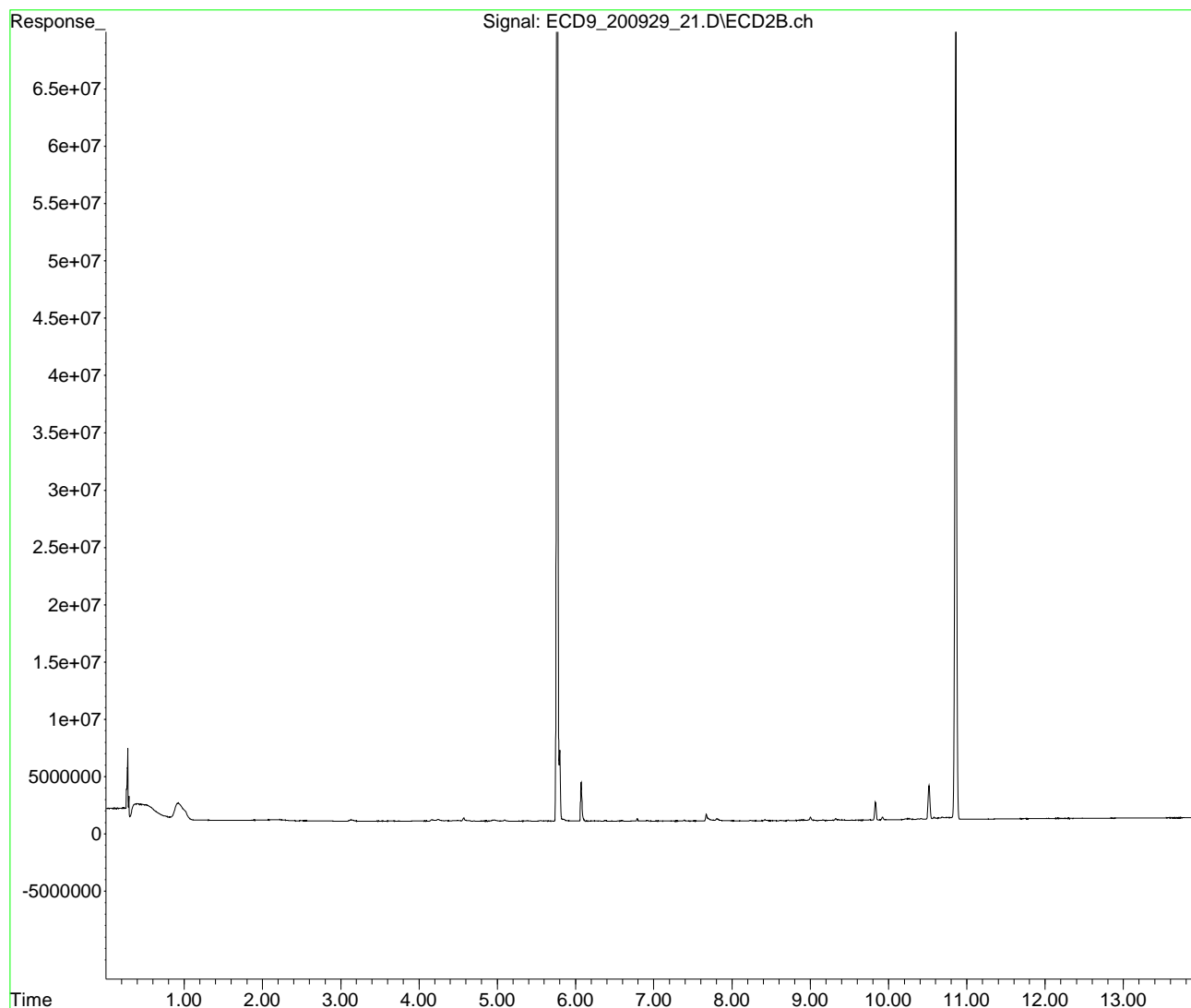
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29026\
Data File : ECD9_200929_21.D
Signal(s) : ECD2B.ch
Acq On : 29 Sep 2020 10:17 am
Operator :
Sample : 0I29026-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 29 14:17:56 2020
Quant Method : Z:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Batch 0090905
Sequence 0J01024 (A0I0556-41RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090905 (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	
	0090905-BLK1	QC	09/30/20 14:57	16	1				100						
	0090905-BSD1	QC	09/30/20 14:57	15	1	A20I171		50	100						
	0090905-BS1	QC	09/30/20 14:57	15	1	A20I171		50	100						
	A0I0556-41RE1	B 8082 PCBs - Low Level (15g/1mL)	09/30/20 14:57	15.01	2				100	PDI-018SC-A-01-02-190926	Low surrogate. Added 9/30/2020 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	A20I171	03/13/21	8082 PCB Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20F071	03/02/25	Copper, Granular Lot# 027040-BL						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20G266	01/13/21	Sulfuric Acid						
A20G310	01/18/22	Florisil Lot 024140-CR						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperture achieved.

Initial:

Witness: _____

Prepared By: _____ Date


 Reviewed By: _____ Date 10/1/2020



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090905 (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
1	0090905-BLK1	QC	09/30/20 14:57	15.16.00	1 ✓				100					
2	0090905-BSD1	QC	09/30/20 14:57	15	1 ✓	A201171		50	100					
3	0090905-BS1	QC	09/30/20 14:57	15.15.00	1 ✓	A201171		50	100					
4	A010556-41RE1	B 8082 PCBs - Low Level (15g/1mL)	09/30/20 14:57	15.15.01	2 ✓				100	PDI-018SC-A-01-02-190926	Low surrogate. Added 9/30/2020 By KAK <i>Sediment, odor</i>			

Standards/Reagents

Reagent(s)			Analyte Spike(s) <i>C&S</i>			Surrogate(s) <i>C&S</i>		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A201171	03/13/21	8082 PCB Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20F071	03/02/25	Copper, Granular Lot# 027040-BL						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20G266	01/13/21	Sulfuric Acid						
A20G310	01/18/22	Florisil Lot 024140-CR						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperture achieved.

Initial: *C&S*

Witness: *Cas* 09.30.2020

** = Substituted DUP/MS for BS/BSD due to limited sample volume in both containers*

S = Staining on turbovar tube both prior and after hexane exchange.

P = precipitate formation after hexane exchange.

V = Vialled at 2mL due to precipitate taking up between half to three quarters of the hipple of the turbovar tube.

Prepared By: *Cas* Date: 09/30/2020

Reviewed By: *JL* Date: 9/30/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: OJ01024

Instrument: DUALECD9F

Date: 10/01/20 06:22

Calibration: A011008

#	<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	OJ01024-CCV1	Sediment	QC	QC				A201167
2	OJ01024-CCB1	Sediment	QC	QC				A201313
3	0090905-BLK1	Sediment	QC	QC		0090905		
4	0090905-BS1	Sediment	QC	QC		0090905		
5	0090905-BSD1	Sediment	QC	QC		0090905		
6	A0I0556-41RE1	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090905		
7	OJ01024-IBL1	Sediment	QC	QC				
8	OJ01024-CCV2	Sediment	QC	QC				A201167
9	OJ01024-CCB2	Sediment	QC	QC				A201313

Data Entered By/Date: KAK 10/01/2020

Comments: Partial

Data Reviewed By/Date: mkz 10/1/2020

10/1/2020 10:10:04AM

Page 1 of 1

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.

0J01024-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	494.61
1016 (2)	543.33
1016 (3)	505.65
1016 (4)	499.15
1016 (5)	507.16
1016 (6)	502.60
Average:	508.75

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	524.39
1260 (2)	534.54
1260 (3)	540.75
1260 (4)	566.48
1260 (5)	560.86
1260 (6)	518.42
Average:	540.91

0090905-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	881.05
1016 (2)	1,044.42
1016 (3)	929.90
1016 (4)	932.64
1016 (5)	951.85
1016 (6)	928.46
Average:	944.72

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,036.61
1260 (2)	1,111.17
1260 (3)	1,098.32
1260 (4)	1,237.04
1260 (5)	1,190.34
1260 (6)	1,163.80
Average:	1,139.55

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.

0090905-BSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	886.92
1016 (2)	975.33
1016 (3)	885.16
1016 (4)	922.69
1016 (5)	926.62
1016 (6)	893.47
Average:	915.03

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,012.35
1260 (2)	1,071.60
1260 (3)	1,058.28
1260 (4)	1,194.79
1260 (5)	1,170.84
1260 (6)	1,177.36
Average:	1,114.20

0J01024-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	519.91
1016 (2)	561.52
1016 (3)	521.08
1016 (4)	501.96
1016 (5)	516.28
1016 (6)	520.61
Average:	523.56

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	529.39
1260 (2)	531.93
1260 (3)	543.29
1260 (4)	598.17
1260 (5)	582.98
1260 (6)	538.65
Average:	554.07

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_04.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 07:27 am
 Operator :
 Sample : 0J01024-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 10/01/2020

Integration File: PCB1.e
 Quant Time: Oct 01 07:48:39 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.893	358237937	266.089 ng/ml
64) S DCBP (S)	9.747	244872535	257.729 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.818	26911078	494.605 ng/ml
3) Aroclor 1016 (2)	6.235	49323486	543.329 ng/ml
4) Aroclor 1016 (3)	6.316	28374723	505.652 ng/ml
5) Aroclor 1016 (4)	6.476	23373067	499.147 ng/ml
6) Aroclor 1016 (5)	6.700	27917919	507.160 ng/ml
7) Aroclor 1016 (6)	6.828	19111604	502.599 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.251	8938570	563.479 ng/ml
10) Aroclor 1221 (2)	5.373	3068413	287.776 ng/ml
11) Aroclor 1221 (3)	5.454	14349708	421.767 ng/ml
12) Aroclor 1221 (4)	5.925	2483391	424.431 ng/ml
13) Aroclor 1221 (5)	6.235	49323486	7693.146 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.454	14349708	504.856 ng/ml
16) Aroclor 1232 (2)	6.235	49323486	1462.859 ng/ml
17) Aroclor 1232 (3)	6.316	28374723	1359.177 ng/ml
18) Aroclor 1232 (4)	6.476	23373067	1660.473 ng/ml
19) Aroclor 1232 (5)	6.700	27917919	1518.911 ng/ml
20) Aroclor 1232 (6)	6.828	19111604	1316.081 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.818	26911078	727.473 ng/ml
23) Aroclor 1242 (2)	6.235	49323486	773.873 ng/ml
24) Aroclor 1242 (3)	6.316	28374723	756.543 ng/ml
25) Aroclor 1242 (4)	6.476	23373067	782.063 ng/ml
26) Aroclor 1242 (5)	6.700	27917919	746.726 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_04.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 07:27 am
 Operator :
 Sample : 0J01024-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 07:48:39 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.828	19111604	626.047 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.222	40787576	1030.164 ng/ml
30)	Aroclor 1248 (2)	6.476	23373067	427.481 ng/ml
31)	Aroclor 1248 (3)	6.700	27917919	429.979 ng/ml
32)	Aroclor 1248 (4)	6.996	5354249	77.575 ng/ml
33)	Aroclor 1248 (5)	7.032	18357787	248.069 ng/ml
34)	Aroclor 1248 (6)	7.526	36261623	932.559 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.032	18357787	252.217 ng/ml
37)	Aroclor 1254 (2)	7.142	18731837	229.590 ng/ml
38)	Aroclor 1254 (3)	7.526	36261623	307.092 ng/ml
39)	Aroclor 1254 (4)	7.684	5403242	70.945 ng/ml
40)	Aroclor 1254 (5)	8.071	48699550	620.567 ng/ml
41)	Aroclor 1254 (6)	8.367	5373747	208.353 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.638	51716178	524.390 ng/ml
44)	Aroclor 1260 (2)	7.772	63211297	534.541 ng/ml
45)	Aroclor 1260 (3)	8.337	47810007	540.748 ng/ml
46)	Aroclor 1260 (4)	8.507	107308158	566.478 ng/ml
47)	Aroclor 1260 (5)	8.811	69333228	560.861 ng/ml
48)	Aroclor 1260 (6)	9.218	26651053	518.423 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.772	63211297	748.070 ng/ml
51)	Aroclor 1262 (2)	8.101	45593421	377.305 ng/ml
52)	Aroclor 1262 (3)	8.337	47810007	485.469 ng/ml
53)	Aroclor 1262 (4)	8.507	107308158	535.697 ng/ml
54)	Aroclor 1262 (5)	8.811	69333228	599.772 ng/ml
55)	Aroclor 1262 (6)	9.218	26651053	440.244 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.337	47810007	874.542 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_04.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 07:27 am
 Operator :
 Sample : 0J01024-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 07:48:39 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	25504662	105.629 ng/ml
59)	Aroclor 1268 (3)	8.811	69333228	359.658 ng/ml
60)	Aroclor 1268 (4)	8.994	5936602	31.957 ng/ml
61)	Aroclor 1268 (5)	9.218	26651053	386.883 ng/ml
62)	Aroclor 1268 (6)	9.494	14991923	32.271 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

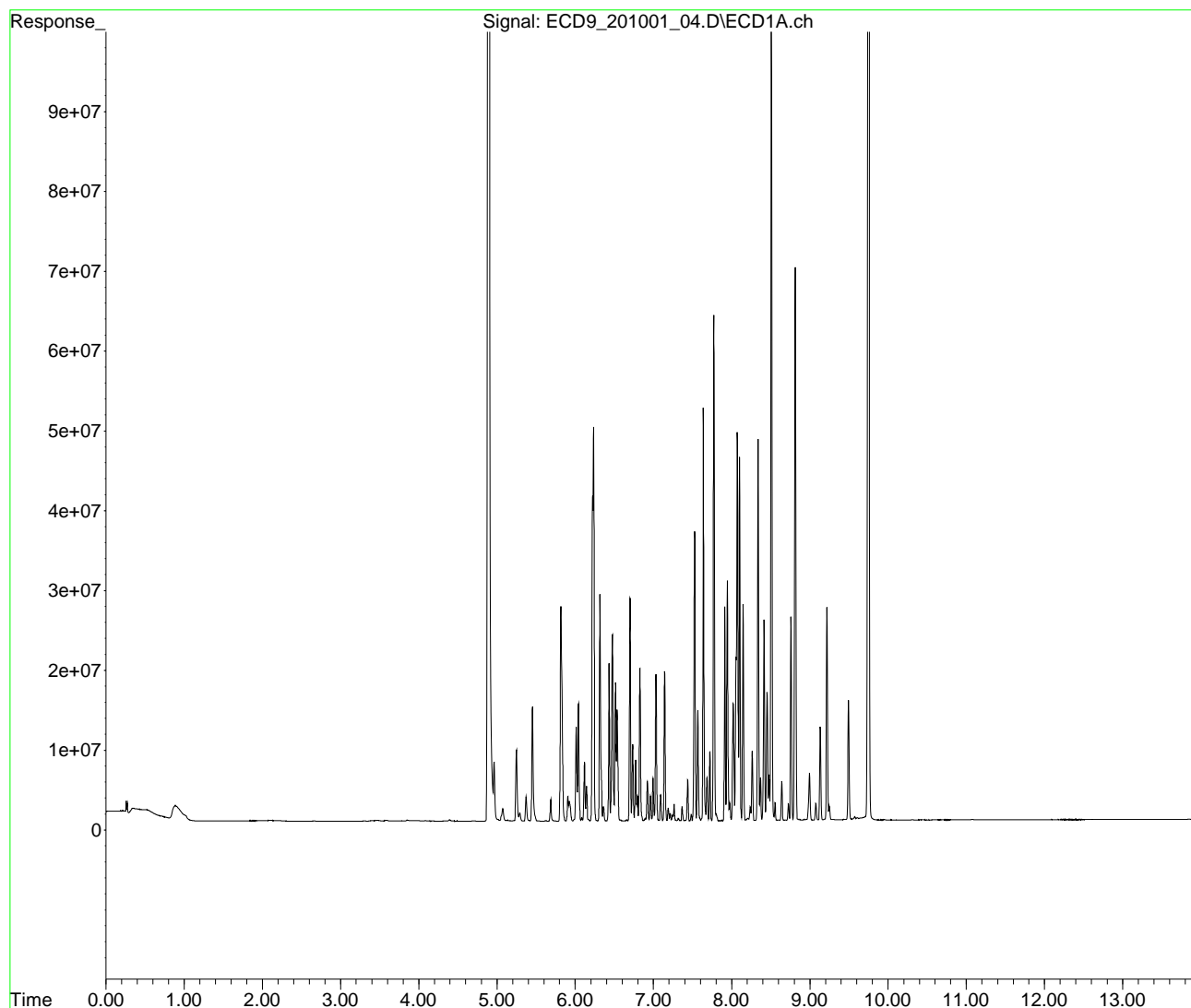
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_04.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 07:27 am
Operator :
Sample : 0J01024-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 07:48:39 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_06.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 07:45 am
 Operator :
 Sample : 0J01024-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 10/01/2020

Clean

Integration File: PCB1.e
 Quant Time: Oct 01 08:14:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	150885589	112.074 ng/ml
64) S DCBP (S)	9.742	110398209	116.194 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.790	8583	0.158 ng/ml
3) Aroclor 1016 (2)	6.242	22257	0.245 ng/ml
4) Aroclor 1016 (3)	6.313	10462	0.186 ng/ml
5) Aroclor 1016 (4)	6.490	33417	0.714 ng/ml
6) Aroclor 1016 (5)	6.721	4066	0.074 ng/ml
7) Aroclor 1016 (6)	6.825	10861	0.286 ng/ml
8) Aroclor 1016 - AVE	1.973	57441	NoCal ng/ml
9) Aroclor 1221 (1)	5.246	3106059	195.803 ng/ml
10) Aroclor 1221 (2)	5.377	11649	1.092 ng/ml
11) Aroclor 1221 (3)	5.437	33727	0.991 ng/ml
12) Aroclor 1221 (4)	5.911	22281	3.808 ng/ml
13) Aroclor 1221 (5)	6.242	22257	3.472 ng/ml
14) Aroclor 1221 - AVE	1.973	57441	NoCal ng/ml
15) Aroclor 1232 (1)	5.437	33727	1.187 ng/ml
16) Aroclor 1232 (2)	6.242	22257	0.660 ng/ml
17) Aroclor 1232 (3)	6.313	10462	0.501 ng/ml
18) Aroclor 1232 (4)	6.490	33417	2.374 ng/ml
19) Aroclor 1232 (5)	6.721	4066	0.221 ng/ml
20) Aroclor 1232 (6)	6.825	10861	0.748 ng/ml
21) Aroclor 1232 - AVE	1.973	57441	NoCal ng/ml
22) Aroclor 1242 (1)	5.790	8583	0.232 ng/ml
23) Aroclor 1242 (2)	6.242	22257	0.349 ng/ml
24) Aroclor 1242 (3)	6.313	10462	0.279 ng/ml
25) Aroclor 1242 (4)	6.490	33417	1.118 ng/ml
26) Aroclor 1242 (5)	6.721	4066	0.109 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_06.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 07:45 am
 Operator :
 Sample : 0J01024-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:14:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.825	10861	0.356 ng/ml
28)	Aroclor 1242 - AVE	1.973	57441	NoCal ng/ml
29)	Aroclor 1248 (1)	6.216	19302	0.488 ng/ml
30)	Aroclor 1248 (2)	6.490	33417	0.611 ng/ml
31)	Aroclor 1248 (3)	6.721	4066	0.063 ng/ml
32)	Aroclor 1248 (4)	7.005	462157	6.696 ng/ml
33)	Aroclor 1248 (5)	7.005	462157	6.245 ng/ml
34)	Aroclor 1248 (6)	7.523	22374	0.575 ng/ml
35)	Aroclor 1248 - AVE	1.973	57441	NoCal ng/ml
36)	Aroclor 1254 (1)	7.005	462157	6.350 ng/ml
37)	Aroclor 1254 (2)	7.140	53365	0.654 ng/ml
38)	Aroclor 1254 (3)	7.523	22374	0.189 ng/ml
39)	Aroclor 1254 (4)	7.658	28290	0.371 ng/ml
40)	Aroclor 1254 (5)	8.079	143309	1.826 ng/ml
41)	Aroclor 1254 (6)	8.364	42410	1.644 ng/ml
42)	Aroclor 1254 - AVE	1.973	57441	NoCal ng/ml
43)	Aroclor 1260 (1)	7.632	22049	0.224 ng/ml
44)	Aroclor 1260 (2)	7.766	23539	0.199 ng/ml
45)	Aroclor 1260 (3)	8.328	55901	0.632 ng/ml
46)	Aroclor 1260 (4)	8.500	173667	0.917 ng/ml
47)	Aroclor 1260 (5)	8.809	72742	0.588 ng/ml
48)	Aroclor 1260 (6)	9.215	48503	0.943 ng/ml
49)	Aroclor 1260 - AVE	1.973	57441	NoCal ng/ml
50)	Aroclor 1262 (1)	7.766	23539	0.279 ng/ml
51)	Aroclor 1262 (2)	8.079	143309	1.186 ng/ml
52)	Aroclor 1262 (3)	8.328	55901	0.568 ng/ml
53)	Aroclor 1262 (4)	8.500	173667	0.867 ng/ml
54)	Aroclor 1262 (5)	8.809	72742	0.629 ng/ml
55)	Aroclor 1262 (6)	9.215	48503	0.801 ng/ml
56)	Aroclor 1262 - AVE	1.973	57441	NoCal ng/ml
57)	Aroclor 1268 (1)	8.328	55901	1.023 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_06.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 07:45 am
 Operator :
 Sample : 0J01024-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:14:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	75659	0.313 ng/ml
59)	Aroclor 1268 (3)	8.809	72742	0.377 ng/ml
60)	Aroclor 1268 (4)	8.990	2391026	12.871 ng/ml
61)	Aroclor 1268 (5)	9.215	48503	0.704 ng/ml
62)	Aroclor 1268 (6)	9.489	4392357	9.455 ng/ml
63)	Aroclor 1268 - AVE	1.973	57441	NoCal ng/ml

(f)=RT Delta > 1/2 Window

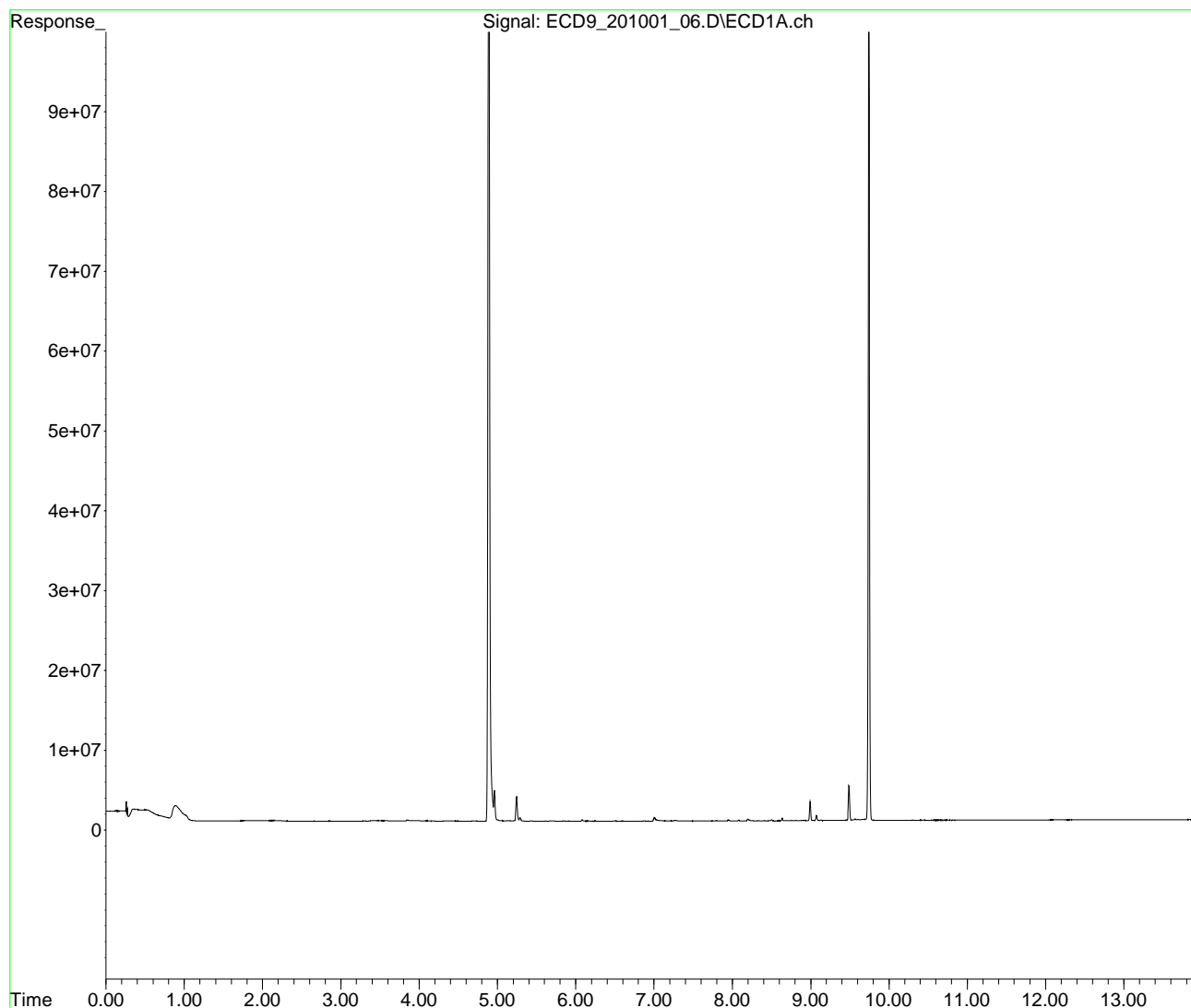
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_06.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 07:45 am
Operator :
Sample : 0J01024-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 08:14:49 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_08.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:03 am
 Operator :
 Sample : 0090905-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

KAK 10/01/2020

Clean

Integration File: PCB1.e
 Quant Time: Oct 01 08:25:33 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	530555068	394.082 ng/ml
64) S DCBP (S)	9.742	522421135	549.849 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.813	40168	0.738 ng/ml
3) Aroclor 1016 (2)	6.232	66929	0.737 ng/ml
4) Aroclor 1016 (3)	6.313	33471	0.596 ng/ml
5) Aroclor 1016 (4)	6.473	44868	0.958 ng/ml
6) Aroclor 1016 (5)	6.699	39099	0.710 ng/ml
7) Aroclor 1016 (6)	6.825	48598	1.278 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	10893384	686.709 ng/ml
10) Aroclor 1221 (2)	5.369	18888	1.771 ng/ml
11) Aroclor 1221 (3)	5.438	178284	5.240 ng/ml
12) Aroclor 1221 (4)	5.909	48431	8.277 ng/ml
13) Aroclor 1221 (5)	6.232	66929	10.439 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.438	178284	6.272 ng/ml
16) Aroclor 1232 (2)	6.232	66929	1.985 ng/ml
17) Aroclor 1232 (3)	6.313	33471	1.603 ng/ml
18) Aroclor 1232 (4)	6.473	44868	3.188 ng/ml
19) Aroclor 1232 (5)	6.699	39099	2.127 ng/ml
20) Aroclor 1232 (6)	6.825	48598	3.347 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.813	40168	1.086 ng/ml
23) Aroclor 1242 (2)	6.232	66929	1.050 ng/ml
24) Aroclor 1242 (3)	6.313	33471	0.892 ng/ml
25) Aroclor 1242 (4)	6.473	44868	1.501 ng/ml
26) Aroclor 1242 (5)	6.699	39099	1.046 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_08.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:03 am
 Operator :
 Sample : 0090905-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:25:33 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.825	48598	1.592 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.217	62342	1.575 ng/ml
30)	Aroclor 1248 (2)	6.473	44868	0.821 ng/ml
31)	Aroclor 1248 (3)	6.699	39099	0.602 ng/ml
32)	Aroclor 1248 (4)	7.003	543786	7.879 ng/ml
33)	Aroclor 1248 (5)	7.003	543786	7.348 ng/ml
34)	Aroclor 1248 (6)	7.522	70626	1.816 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.003	543786	7.471 ng/ml
37)	Aroclor 1254 (2)	7.140	83111	1.019 ng/ml
38)	Aroclor 1254 (3)	7.522	70626	0.598 ng/ml
39)	Aroclor 1254 (4)	7.679	19692	0.259 ng/ml
40)	Aroclor 1254 (5)	8.079	383576	4.888 ng/ml
41)	Aroclor 1254 (6)	8.365	15788	0.612 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.635	69372	0.703 ng/ml
44)	Aroclor 1260 (2)	7.766	81694	0.691 ng/ml
45)	Aroclor 1260 (3)	8.332	67171	0.760 ng/ml
46)	Aroclor 1260 (4)	8.500	440151	2.324 ng/ml
47)	Aroclor 1260 (5)	8.806	118246	0.957 ng/ml
48)	Aroclor 1260 (6)	9.215	63417	1.234 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.766	81694	0.967 ng/ml
51)	Aroclor 1262 (2)	8.079	383576	3.174 ng/ml
52)	Aroclor 1262 (3)	8.332	67171	0.682 ng/ml
53)	Aroclor 1262 (4)	8.500	440151	2.197 ng/ml
54)	Aroclor 1262 (5)	8.806	118246	1.023 ng/ml
55)	Aroclor 1262 (6)	9.215	63417	1.048 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.332	67171	1.229 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_08.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:03 am
 Operator :
 Sample : 0090905-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:25:33 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.756	110719	0.459 ng/ml
59)	Aroclor 1268 (3)	8.806	118246	0.613 ng/ml
60)	Aroclor 1268 (4)	8.990	8727617	46.981 ng/ml
61)	Aroclor 1268 (5)	9.215	63417	0.921 ng/ml
62)	Aroclor 1268 (6)	9.489	18658693	40.164 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

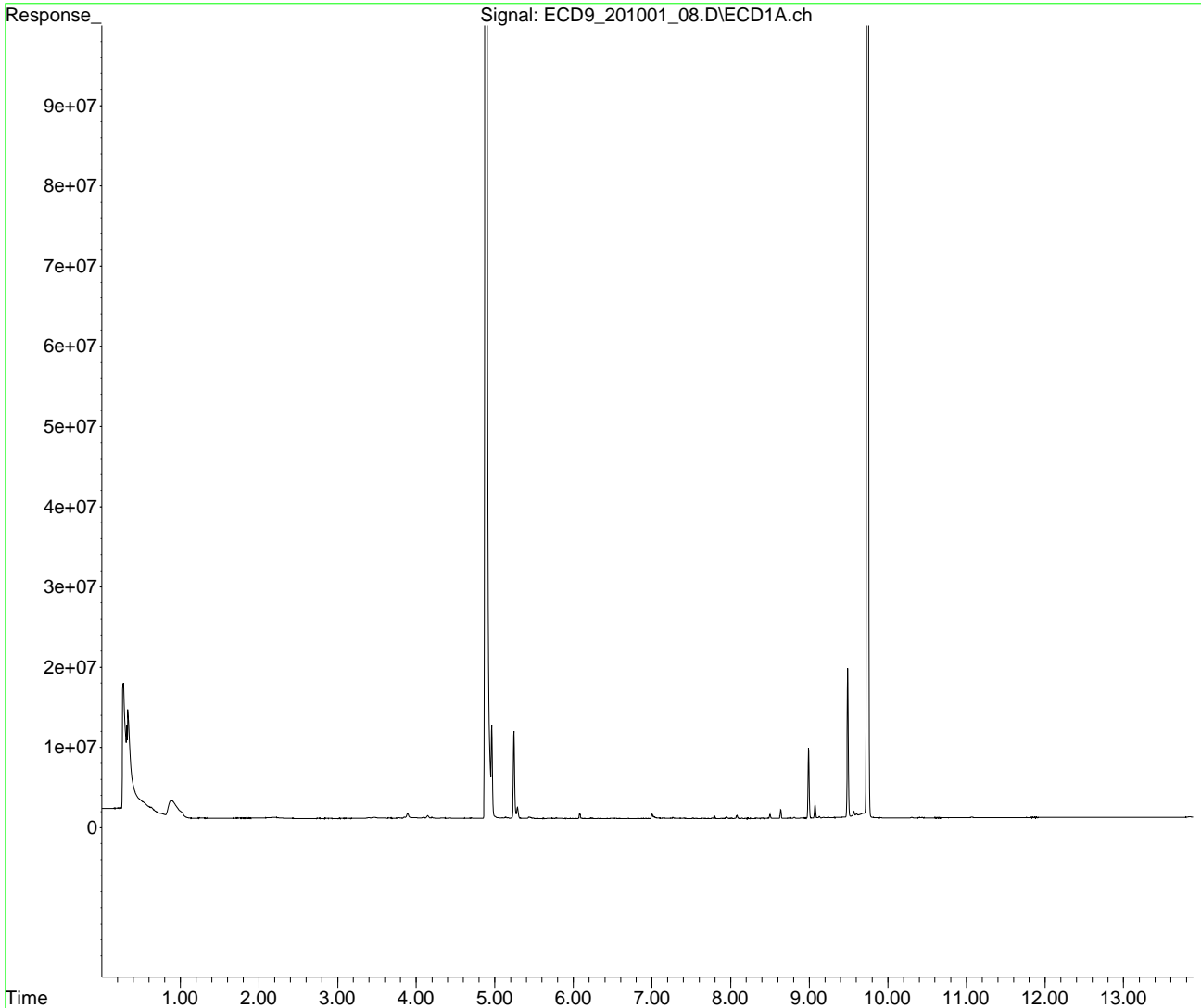
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_08.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 08:03 am
Operator :
Sample : 0090905-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 08:25:33 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_10.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:21 am
 Operator :
 Sample : 0090905-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 10/01/2020

Integration File: PCB1.e
 Quant Time: Oct 01 08:36:01 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	635382372	471.945 ng/ml
64) S DCBP (S)	9.742	517595742	544.770 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	47937138	881.049 ng/ml
3) Aroclor 1016 (2)	6.232	94812873	1044.423 ng/ml
4) Aroclor 1016 (3)	6.314	52181510	929.900 ng/ml
5) Aroclor 1016 (4)	6.474	43671940	932.642 ng/ml
6) Aroclor 1016 (5)	6.698	52397237	951.854 ng/ml
7) Aroclor 1016 (6)	6.826	35305400	928.465 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	15926378	1003.984 ng/ml
10) Aroclor 1221 (2)	5.371	5219610	489.529 ng/ml
11) Aroclor 1221 (3)	5.452	25588454	752.096 ng/ml
12) Aroclor 1221 (4)	5.923	4202299	718.206 ng/ml
13) Aroclor 1221 (5)	6.232	94812873	14788.275 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	25588454	900.262 ng/ml
16) Aroclor 1232 (2)	6.232	94812873	2812.005 ng/ml
17) Aroclor 1232 (3)	6.314	52181510	2499.545 ng/ml
18) Aroclor 1232 (4)	6.474	43671940	3102.549 ng/ml
19) Aroclor 1232 (5)	6.698	52397237	2850.740 ng/ml
20) Aroclor 1232 (6)	6.826	35305400	2431.233 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	47937138	1295.860 ng/ml
23) Aroclor 1242 (2)	6.232	94812873	1487.590 ng/ml
24) Aroclor 1242 (3)	6.314	52181510	1391.293 ng/ml
25) Aroclor 1242 (4)	6.474	43671940	1461.263 ng/ml
26) Aroclor 1242 (5)	6.698	52397237	1401.479 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_10.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:21 am
 Operator :
 Sample : 0090905-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:36:01 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.826	35305400	1156.514 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.221	78676959	1987.129 ng/ml
30) Aroclor 1248 (2)	6.474	43671940	798.736 ng/ml
31) Aroclor 1248 (3)	6.698	52397237	806.999 ng/ml
32) Aroclor 1248 (4)	6.994	9943639	144.069 ng/ml
33) Aroclor 1248 (5)	7.030	35496339	479.663 ng/ml
34) Aroclor 1248 (6)	7.522	72991561	1877.162 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.030	35496339	487.683 ng/ml
37) Aroclor 1254 (2)	7.140	36892909	452.185 ng/ml
38) Aroclor 1254 (3)	7.522	72991561	618.149 ng/ml
39) Aroclor 1254 (4)	7.681	10445631	137.152 ng/ml
40) Aroclor 1254 (5)	8.068	100379596	1279.113 ng/ml
41) Aroclor 1254 (6)	8.363	10251803	397.486 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.635	102231751	1036.606 ng/ml
44) Aroclor 1260 (2)	7.769	131400152	1111.174 ng/ml
45) Aroclor 1260 (3)	8.333	97107481	1098.321 ng/ml
46) Aroclor 1260 (4)	8.504	234332759	1237.039 ng/ml
47) Aroclor 1260 (5)	8.808	147148916	1190.339 ng/ml
48) Aroclor 1260 (6)	9.214	59828374	1163.796 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.769	131400152	1555.046 ng/ml
51) Aroclor 1262 (2)	8.098	94839224	784.835 ng/ml
52) Aroclor 1262 (3)	8.333	97107481	986.041 ng/ml
53) Aroclor 1262 (4)	8.504	234332759	1169.820 ng/ml
54) Aroclor 1262 (5)	8.808	147148916	1272.922 ng/ml
55) Aroclor 1262 (6)	9.214	59828374	988.294 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.333	97107481	1776.292 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_10.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:21 am
 Operator :
 Sample : 0090905-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:36:01 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.755	54455558	225.532 ng/ml
59)	Aroclor 1268 (3)	8.808	147148916	763.317 ng/ml
60)	Aroclor 1268 (4)	8.989	11155542	60.051 ng/ml
61)	Aroclor 1268 (5)	9.214	59828374	868.506 ng/ml
62)	Aroclor 1268 (6)	9.489	31563995	67.943 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

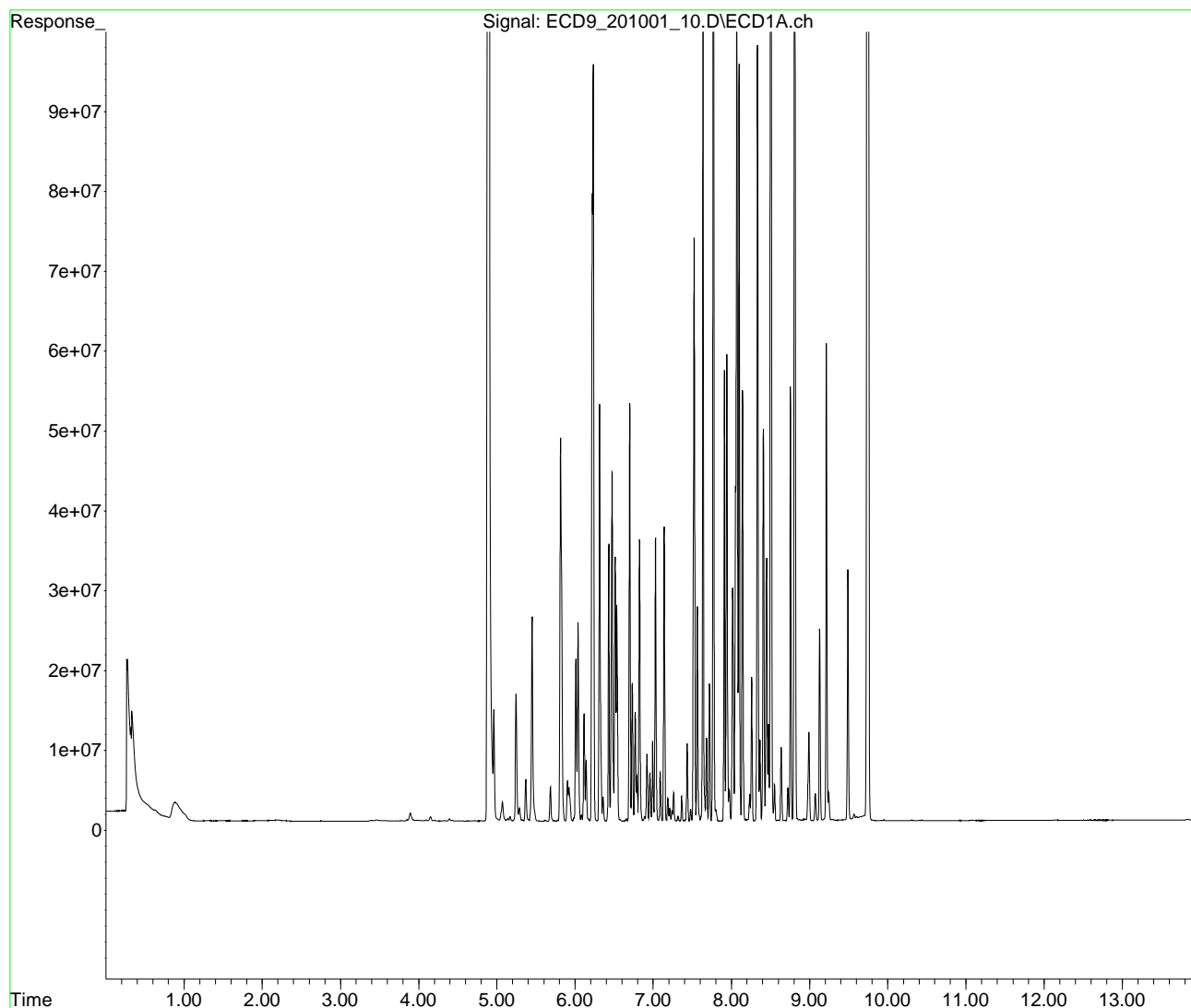
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_10.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 08:21 am
Operator :
Sample : 0090905-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 08:36:01 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_12.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:39 am
 Operator :
 Sample : 0090905-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

KAK 10/01/2020

Q-19

Integration File: PCB1.e
 Quant Time: Oct 01 08:57:26 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	607408432	451.166 ng/ml
64) S DCBP (S)	9.742	507020624	533.640 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	48256435	886.917 ng/ml
3) Aroclor 1016 (2)	6.232	88540862	975.333 ng/ml
4) Aroclor 1016 (3)	6.313	49670676	885.156 ng/ml
5) Aroclor 1016 (4)	6.473	43205754	922.687 ng/ml
6) Aroclor 1016 (5)	6.697	51008374	926.623 ng/ml
7) Aroclor 1016 (6)	6.825	33974715	893.470 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	14689876	926.036 ng/ml
10) Aroclor 1221 (2)	5.370	5097248	478.054 ng/ml
11) Aroclor 1221 (3)	5.451	23959789	704.227 ng/ml
12) Aroclor 1221 (4)	5.923	4080278	697.352 ng/ml
13) Aroclor 1221 (5)	6.232	88540862	13810.009 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.451	23959789	842.961 ng/ml
16) Aroclor 1232 (2)	6.232	88540862	2625.987 ng/ml
17) Aroclor 1232 (3)	6.313	49670676	2379.273 ng/ml
18) Aroclor 1232 (4)	6.473	43205754	3069.430 ng/ml
19) Aroclor 1232 (5)	6.697	51008374	2775.177 ng/ml
20) Aroclor 1232 (6)	6.825	33974715	2339.598 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	48256435	1304.491 ng/ml
23) Aroclor 1242 (2)	6.232	88540862	1389.183 ng/ml
24) Aroclor 1242 (3)	6.313	49670676	1324.347 ng/ml
25) Aroclor 1242 (4)	6.473	43205754	1445.665 ng/ml
26) Aroclor 1242 (5)	6.697	51008374	1364.330 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_12.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:39 am
 Operator :
 Sample : 0090905-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:57:26 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.825	33974715	1112.924 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.219	76154212	1923.412 ng/ml
30) Aroclor 1248 (2)	6.473	43205754	790.210 ng/ml
31) Aroclor 1248 (3)	6.697	51008374	785.608 ng/ml
32) Aroclor 1248 (4)	6.993	9690021	140.394 ng/ml
33) Aroclor 1248 (5)	7.029	34167578	461.707 ng/ml
34) Aroclor 1248 (6)	7.523	73080813	1879.457 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.029	34167578	469.427 ng/ml
37) Aroclor 1254 (2)	7.139	35710606	437.694 ng/ml
38) Aroclor 1254 (3)	7.523	73080813	618.905 ng/ml
39) Aroclor 1254 (4)	7.681	10221106	134.204 ng/ml
40) Aroclor 1254 (5)	8.067	97391005	1241.030 ng/ml
41) Aroclor 1254 (6)	8.364	9817634	380.652 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.635	99839672	1012.351 ng/ml
44) Aroclor 1260 (2)	7.769	126720241	1071.598 ng/ml
45) Aroclor 1260 (3)	8.333	93567406	1058.281 ng/ml
46) Aroclor 1260 (4)	8.504	226330387	1194.795 ng/ml
47) Aroclor 1260 (5)	8.808	144738527	1170.840 ng/ml
48) Aroclor 1260 (6)	9.214	60525850	1177.363 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.769	126720241	1499.662 ng/ml
51) Aroclor 1262 (2)	8.097	94761718	784.194 ng/ml
52) Aroclor 1262 (3)	8.333	93567406	950.095 ng/ml
53) Aroclor 1262 (4)	8.504	226330387	1129.871 ng/ml
54) Aroclor 1262 (5)	8.808	144738527	1252.071 ng/ml
55) Aroclor 1262 (6)	9.214	60525850	999.816 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.333	93567406	1711.537 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_12.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:39 am
 Operator :
 Sample : 0090905-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 08:57:26 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.755	53988128	223.596 ng/ml
59)	Aroclor 1268 (3)	8.808	144738527	750.814 ng/ml
60)	Aroclor 1268 (4)	8.990	10574586	56.924 ng/ml
61)	Aroclor 1268 (5)	9.214	60525850	878.631 ng/ml
62)	Aroclor 1268 (6)	9.489	30432113	65.507 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

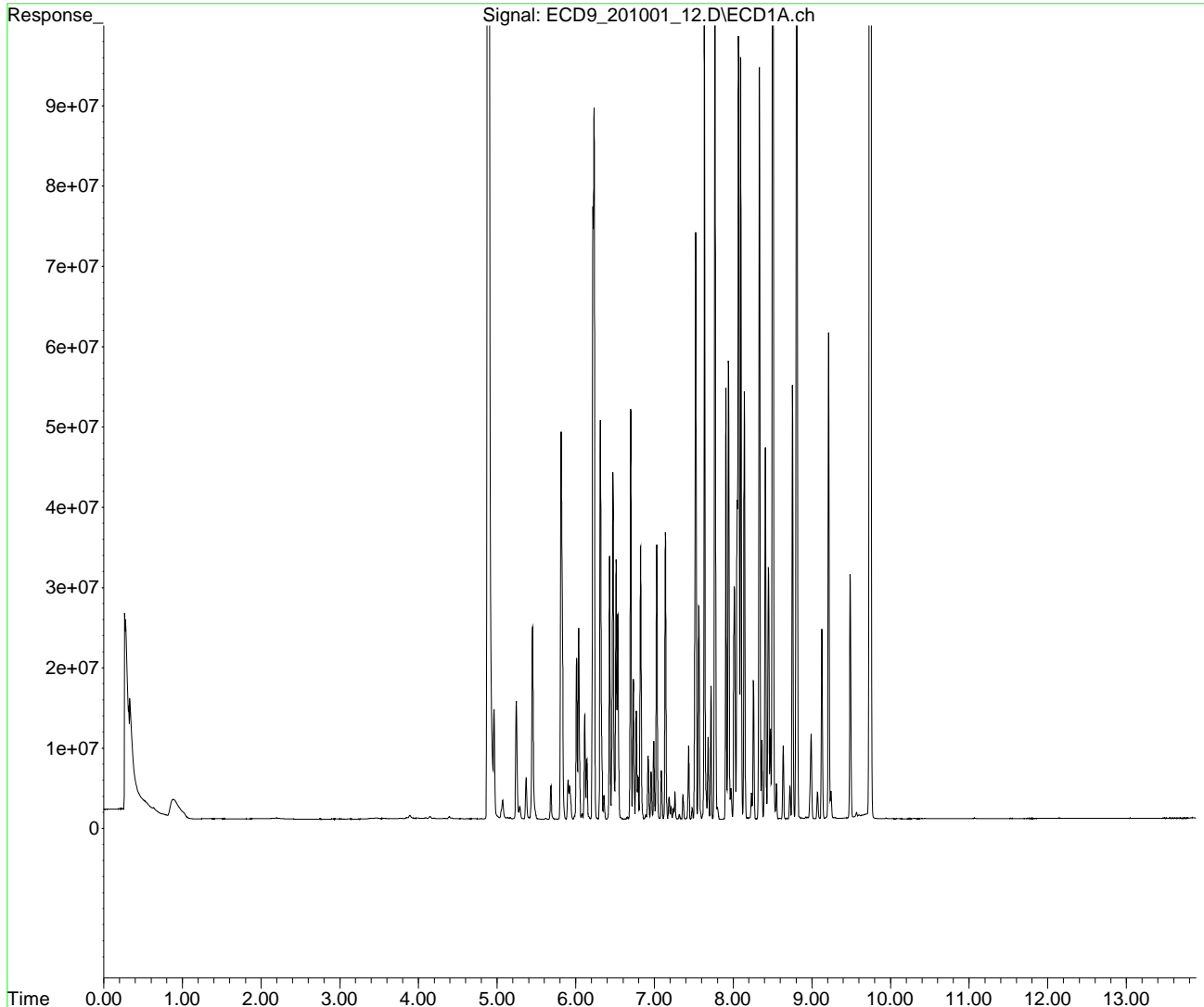
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_12.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 08:39 am
Operator :
Sample : 0090905-BSD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 08:57:26 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_14.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:56 am
 Operator :
 Sample : A0I0556-41RE1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

KAK 10/01/2020

1254 (J)
 R-04

Integration File: PCB1.e
 Quant Time: Oct 01 09:11:40 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.890	206668474	153.508 ng/ml	
64) S DCBP (S)	9.742	143973157	151.532 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	5.831	301736	5.546 ng/ml	
3) Aroclor 1016 (2)	6.232	562354	6.195 ng/ml	
4) Aroclor 1016 (3)	6.314	368436	6.566 ng/ml	
5) Aroclor 1016 (4)	6.476	913594	19.510 ng/ml	
6) Aroclor 1016 (5)	6.700	786007	14.279 ng/ml	
7) Aroclor 1016 (6)	6.826	463981	12.202 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.246	3628721	228.751 ng/ml	
10) Aroclor 1221 (2)	5.386	80724	7.571 ng/ml	
11) Aroclor 1221 (3)	5.436	889657	26.149 ng/ml	
12) Aroclor 1221 (4)	5.931	96255	16.451 ng/ml	
13) Aroclor 1221 (5)	6.232	562354	87.712 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.436	889657	31.300 ng/ml	
16) Aroclor 1232 (2)	6.232	562354	16.679 ng/ml	
17) Aroclor 1232 (3)	6.314	368436	17.648 ng/ml	
18) Aroclor 1232 (4)	6.476	913594	64.904 ng/ml	MDL=MRL
19) Aroclor 1232 (5)	6.700	786007	42.764 ng/ml	
20) Aroclor 1232 (6)	6.826	463981	31.951 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.831	301736	8.157 ng/ml	
23) Aroclor 1242 (2)	6.232	562354	8.823 ng/ml	< MDL
24) Aroclor 1242 (3)	6.314	368436	9.823 ng/ml	
25) Aroclor 1242 (4)	6.476	913594	30.569 ng/ml	
26) Aroclor 1242 (5)	6.700	786007	21.023 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_14.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:56 am
 Operator :
 Sample : A0I0556-41RE1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 09:11:40 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.826	463981	15.199 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.221	522325	13.192 ng/ml
30) Aroclor 1248 (2)	6.476	913594	16.709 ng/ml
31) Aroclor 1248 (3)	6.700	786007	12.106 ng/ml
32) Aroclor 1248 (4)	6.996	973083	14.099 ng/ml
33) Aroclor 1248 (5)	7.032	1707127	23.068 ng/ml
34) Aroclor 1248 (6)	7.517	1802955	46.368 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.032	1707127	23.454 ng/ml
37) Aroclor 1254 (2)	7.143	1592844	19.523 ng/ml
38) Aroclor 1254 (3)	7.517	1802955	15.269 ng/ml
39) Aroclor 1254 (4)	7.682	1112138	14.602 ng/ml
40) Aroclor 1254 (5)	8.068	1603287	20.430 ng/ml
41) Aroclor 1254 (6)	8.364	370325	14.358 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.637	1455280	14.756 ng/ml
44) Aroclor 1260 (2)	7.770	1833041	15.501 ng/ml
45) Aroclor 1260 (3)	8.334	816091	9.230 ng/ml
46) Aroclor 1260 (4)	8.505	1781984	9.407 ng/ml
47) Aroclor 1260 (5)	8.808	1331193	10.768 ng/ml
48) Aroclor 1260 (6)	9.215	475211	9.244 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.770	1833041	21.693 ng/ml
51) Aroclor 1262 (2)	8.098	893451	7.394 ng/ml
52) Aroclor 1262 (3)	8.334	816091	8.287 ng/ml
53) Aroclor 1262 (4)	8.505	1781984	8.896 ng/ml
54) Aroclor 1262 (5)	8.808	1331193	11.516 ng/ml
55) Aroclor 1262 (6)	9.215	475211	7.850 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.334	816091	14.928 ng/ml

17.939

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_14.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 08:56 am
 Operator :
 Sample : A0I0556-41RE1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 09:11:40 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	472214	1.956 ng/ml
59)	Aroclor 1268 (3)	8.808	1331193	6.905 ng/ml
60)	Aroclor 1268 (4)	8.991	2342980	12.612 ng/ml
61)	Aroclor 1268 (5)	9.215	475211	6.898 ng/ml
62)	Aroclor 1268 (6)	9.490	5067033	10.907 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

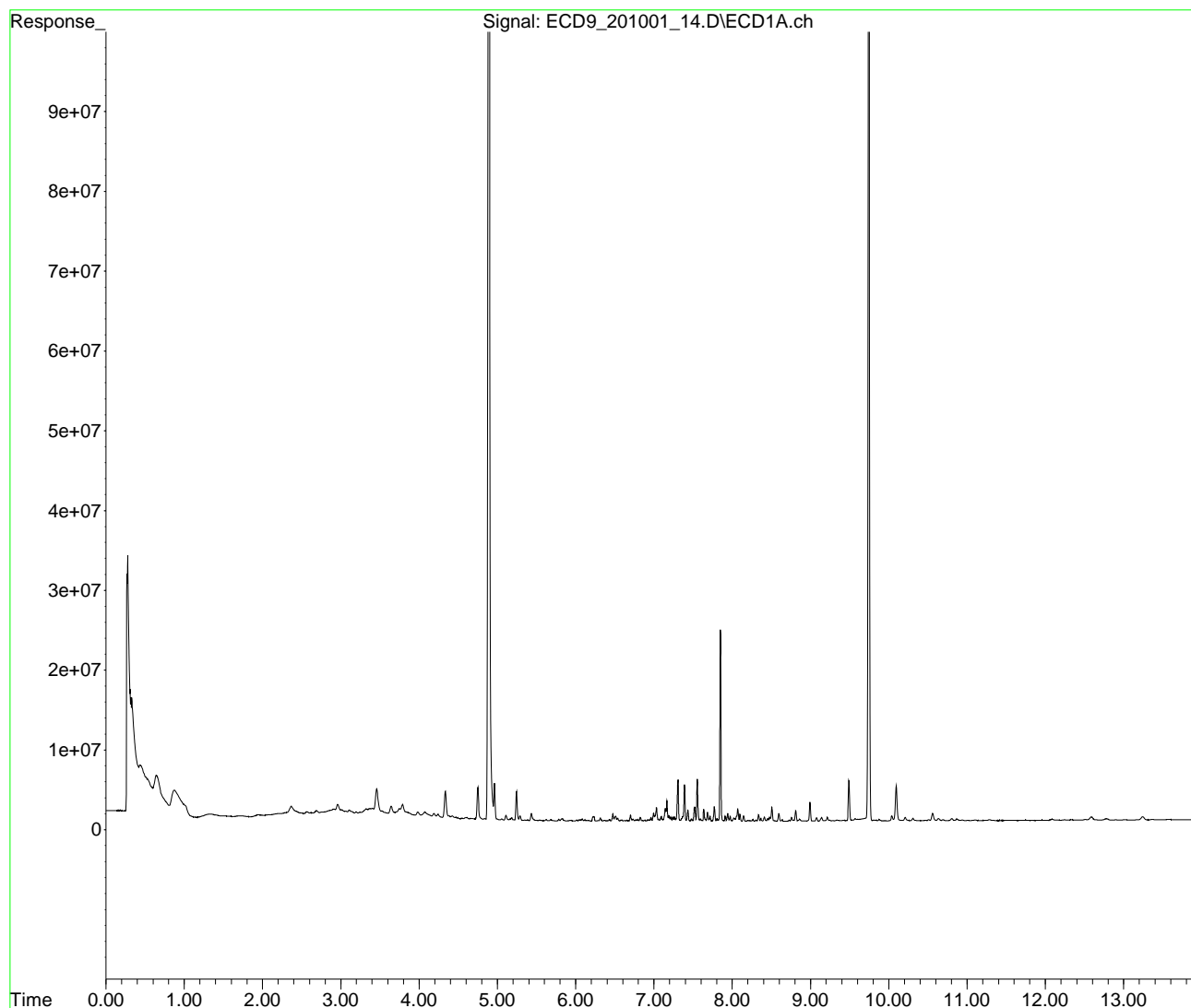
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_14.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 08:56 am
Operator :
Sample : A0I0556-41RE1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 09:11:40 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_18.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 09:32 am
 Operator :
 Sample : 0J01024-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 10/01/2020

Integration File: PCB1.e
 Quant Time: Oct 01 09:47:12 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	371063311	275.616 ng/ml
64) S DCBP (S)	9.743	263731529	277.578 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	28287949	519.911 ng/ml
3) Aroclor 1016 (2)	6.232	50975038	561.522 ng/ml
4) Aroclor 1016 (3)	6.314	29240448	521.079 ng/ml
5) Aroclor 1016 (4)	6.474	23504913	501.962 ng/ml
6) Aroclor 1016 (5)	6.698	28419838	516.278 ng/ml
7) Aroclor 1016 (6)	6.825	19796655	520.614 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.248	8940585	563.606 ng/ml
10) Aroclor 1221 (2)	5.371	3280474	307.664 ng/ml
11) Aroclor 1221 (3)	5.452	14817404	435.514 ng/ml
12) Aroclor 1221 (4)	5.923	2559922	437.511 ng/ml
13) Aroclor 1221 (5)	6.232	50975038	7950.744 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	14817404	521.311 ng/ml
16) Aroclor 1232 (2)	6.232	50975038	1511.842 ng/ml
17) Aroclor 1232 (3)	6.314	29240448	1400.646 ng/ml
18) Aroclor 1232 (4)	6.474	23504913	1669.840 ng/ml
19) Aroclor 1232 (5)	6.698	28419838	1546.218 ng/ml
20) Aroclor 1232 (6)	6.825	19796655	1363.256 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	28287949	764.694 ng/ml
23) Aroclor 1242 (2)	6.232	50975038	799.785 ng/ml
24) Aroclor 1242 (3)	6.314	29240448	779.625 ng/ml
25) Aroclor 1242 (4)	6.474	23504913	786.474 ng/ml
26) Aroclor 1242 (5)	6.698	28419838	760.151 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_18.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 09:32 am
 Operator :
 Sample : 0J01024-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 09:47:12 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.825	19796655	648.487 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.220	43432895	1096.976 ng/ml
30)	Aroclor 1248 (2)	6.474	23504913	429.892 ng/ml
31)	Aroclor 1248 (3)	6.698	28419838	437.710 ng/ml
32)	Aroclor 1248 (4)	6.994	5545434	80.345 ng/ml
33)	Aroclor 1248 (5)	7.030	19421545	262.444 ng/ml
34)	Aroclor 1248 (6)	7.522	38052666	978.620 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.030	19421545	266.832 ng/ml
37)	Aroclor 1254 (2)	7.139	19457386	238.483 ng/ml
38)	Aroclor 1254 (3)	7.522	38052666	322.259 ng/ml
39)	Aroclor 1254 (4)	7.681	5666406	74.400 ng/ml
40)	Aroclor 1254 (5)	8.067	48975765	624.086 ng/ml
41)	Aroclor 1254 (6)	8.364	5573098	216.082 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.635	52209315	529.390 ng/ml
44)	Aroclor 1260 (2)	7.769	62902042	531.926 ng/ml
45)	Aroclor 1260 (3)	8.334	48034681	543.290 ng/ml
46)	Aroclor 1260 (4)	8.504	113312391	598.174 ng/ml
47)	Aroclor 1260 (5)	8.808	72067510	582.979 ng/ml
48)	Aroclor 1260 (6)	9.215	27690871	538.649 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.769	62902042	744.410 ng/ml
51)	Aroclor 1262 (2)	8.098	47668984	394.481 ng/ml
52)	Aroclor 1262 (3)	8.334	48034681	487.750 ng/ml
53)	Aroclor 1262 (4)	8.504	113312391	565.670 ng/ml
54)	Aroclor 1262 (5)	8.808	72067510	623.425 ng/ml
55)	Aroclor 1262 (6)	9.215	27690871	457.421 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.334	48034681	878.652 ng/ml



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_18.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 09:32 am
 Operator :
 Sample : 0J01024-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 09:47:12 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.756	25012404	103.591 ng/ml
59)	Aroclor 1268 (3)	8.808	72067510	373.842 ng/ml
60)	Aroclor 1268 (4)	8.991	5711487	30.745 ng/ml
61)	Aroclor 1268 (5)	9.215	27690871	401.978 ng/ml
62)	Aroclor 1268 (6)	9.491	14886750	32.044 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

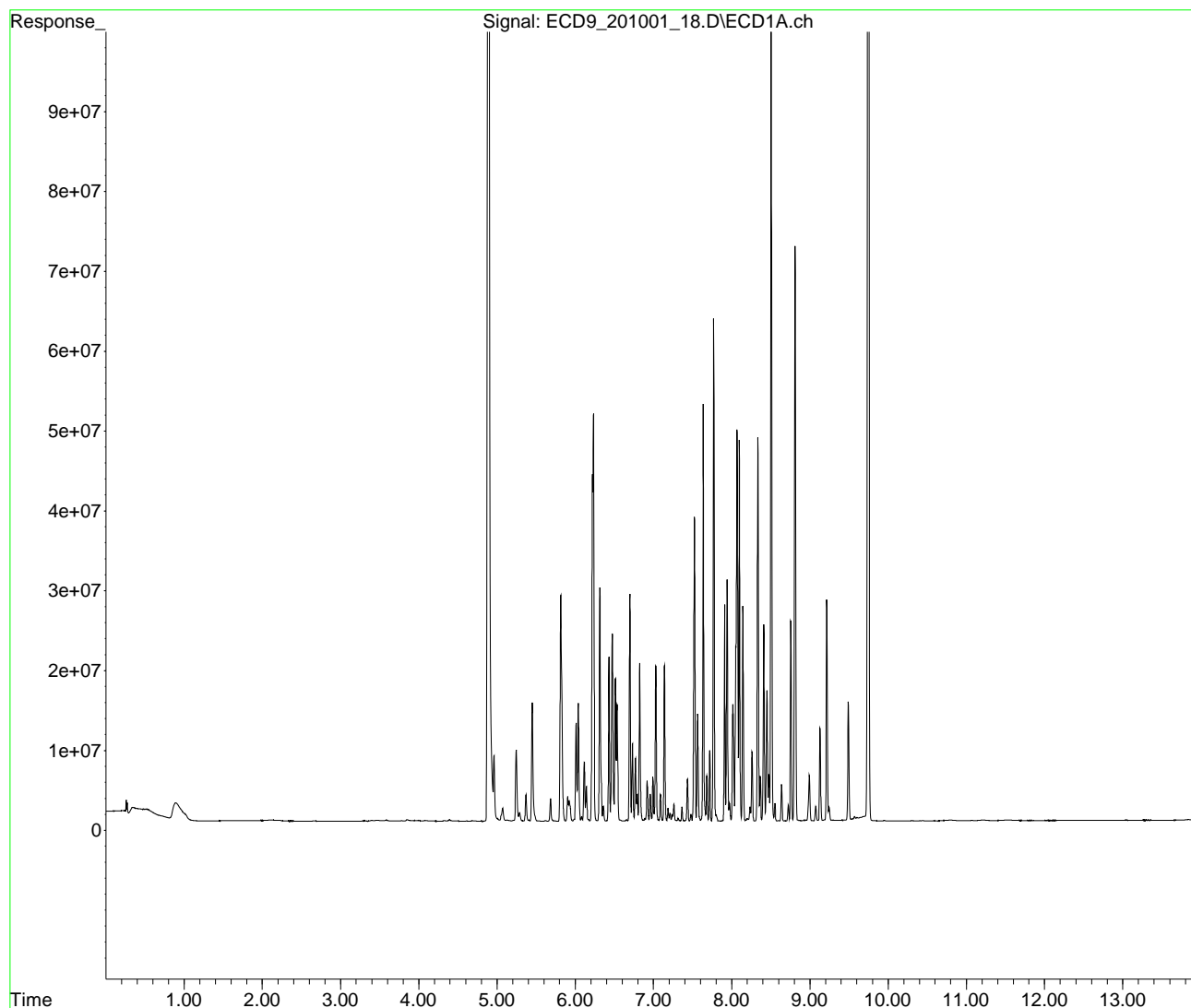
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_18.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 09:32 am
Operator :
Sample : 0J01024-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 09:47:12 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_20.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 09:50 am
 Operator :
 Sample : 0J01024-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 10/01/2020

Clean

Integration File: PCB1.e
 Quant Time: Oct 01 10:07:24 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	156933031	116.566 ng/ml
64) S DCBP (S)	9.743	111880114	117.754 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	13624	0.250 ng/ml
3) Aroclor 1016 (2)	6.229	22829	0.251 ng/ml
4) Aroclor 1016 (3)	6.313	19927	0.355 ng/ml
5) Aroclor 1016 (4)	6.460	10510	0.224 ng/ml
6) Aroclor 1016 (5)	6.700	18900	0.343 ng/ml
7) Aroclor 1016 (6)	6.826	19513	0.513 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3268597	206.049 ng/ml
10) Aroclor 1221 (2)	5.372	16290	1.528 ng/ml
11) Aroclor 1221 (3)	5.466	13528	0.398 ng/ml
12) Aroclor 1221 (4)	5.911	25137	4.296 ng/ml
13) Aroclor 1221 (5)	6.229	22829	3.561 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.466	13528	0.476 ng/ml
16) Aroclor 1232 (2)	6.229	22829	0.677 ng/ml
17) Aroclor 1232 (3)	6.313	19927	0.955 ng/ml
18) Aroclor 1232 (4)	6.460	10510	0.747 ng/ml
19) Aroclor 1232 (5)	6.700	18900	1.028 ng/ml
20) Aroclor 1232 (6)	6.826	19513	1.344 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	13624	0.368 ng/ml
23) Aroclor 1242 (2)	6.229	22829	0.358 ng/ml
24) Aroclor 1242 (3)	6.313	19927	0.531 ng/ml
25) Aroclor 1242 (4)	6.460	10510	0.352 ng/ml
26) Aroclor 1242 (5)	6.700	18900	0.506 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_20.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 09:50 am
 Operator :
 Sample : 0J01024-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 10:07:24 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.826	19513	0.639 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.217	27768	0.701 ng/ml
30)	Aroclor 1248 (2)	6.460	10510	0.192 ng/ml
31)	Aroclor 1248 (3)	6.700	18900	0.291 ng/ml
32)	Aroclor 1248 (4)	7.005	599265	8.682 ng/ml
33)	Aroclor 1248 (5)	7.005	599265	8.098 ng/ml
34)	Aroclor 1248 (6)	7.523	45153	1.161 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	599265	8.233 ng/ml
37)	Aroclor 1254 (2)	7.139	86125	1.056 ng/ml
38)	Aroclor 1254 (3)	7.523	45153	0.382 ng/ml
39)	Aroclor 1254 (4)	7.685	45163	0.593 ng/ml
40)	Aroclor 1254 (5)	8.080	106228	1.354 ng/ml
41)	Aroclor 1254 (6)	8.367	37936	1.471 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.632	52369	0.531 ng/ml
44)	Aroclor 1260 (2)	7.770	44683	0.378 ng/ml
45)	Aroclor 1260 (3)	8.328	51601	0.584 ng/ml
46)	Aroclor 1260 (4)	8.500	127168	0.671 ng/ml
47)	Aroclor 1260 (5)	8.808	74093	0.599 ng/ml
48)	Aroclor 1260 (6)	9.211	73035	1.421 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	44683	0.529 ng/ml
51)	Aroclor 1262 (2)	8.080	106228	0.879 ng/ml
52)	Aroclor 1262 (3)	8.328	51601	0.524 ng/ml
53)	Aroclor 1262 (4)	8.500	127168	0.635 ng/ml
54)	Aroclor 1262 (5)	8.808	74093	0.641 ng/ml
55)	Aroclor 1262 (6)	9.211	73035	1.206 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.328	51601	0.944 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
 Data File : ECD9_201001_20.D
 Signal(s) : ECD1A.ch
 Acq On : 01 Oct 2020 09:50 am
 Operator :
 Sample : 0J01024-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Oct 01 10:07:24 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	82009	0.340 ng/ml
59)	Aroclor 1268 (3)	8.808	74093	0.384 ng/ml
60)	Aroclor 1268 (4)	8.991	2329286	12.539 ng/ml
61)	Aroclor 1268 (5)	9.211	73035	1.060 ng/ml
62)	Aroclor 1268 (6)	9.489	4488628	9.662 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

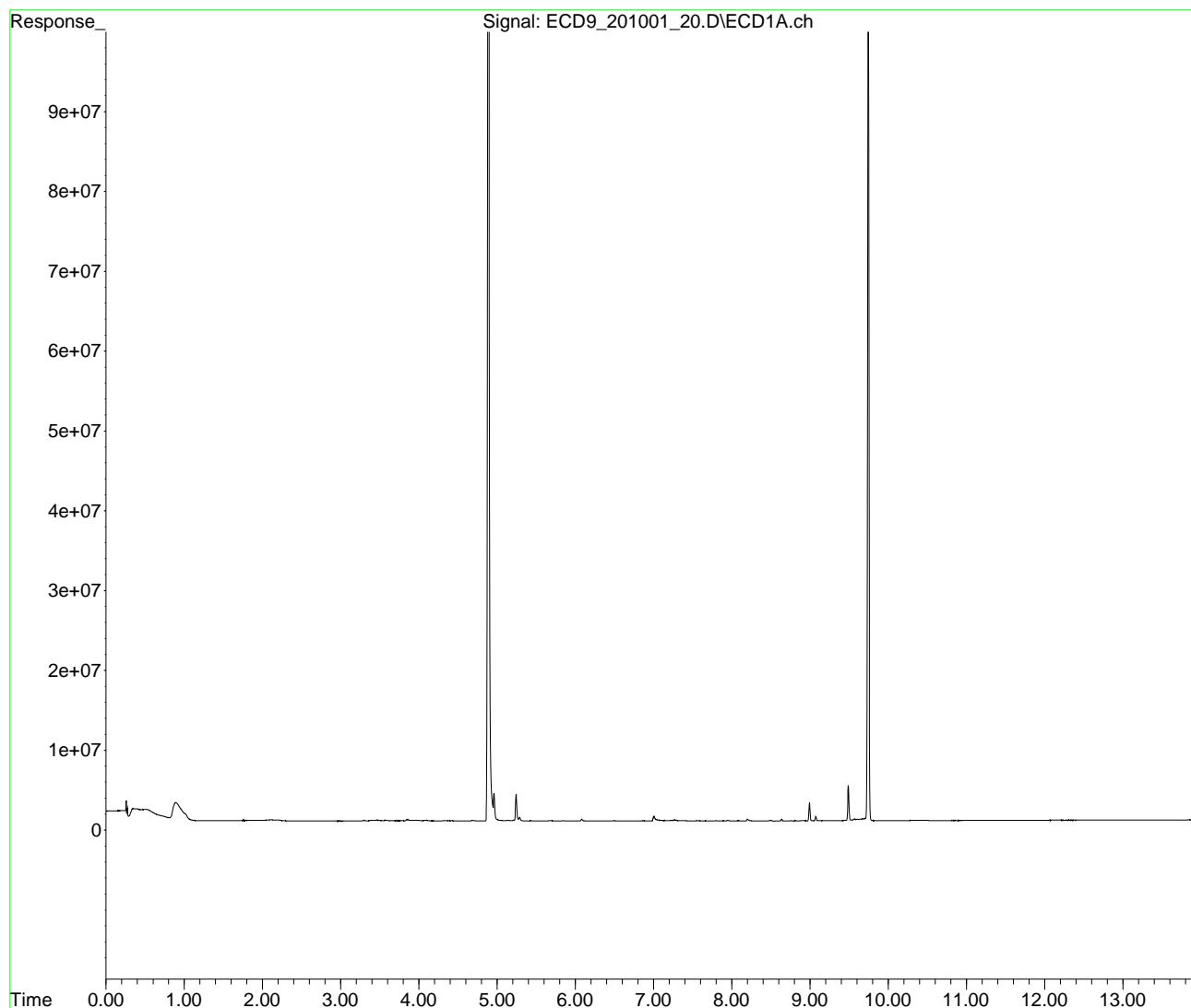
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0J01024\
Data File : ECD9_201001_20.D
Signal(s) : ECD1A.ch
Acq On : 01 Oct 2020 09:50 am
Operator :
Sample : 0J01024-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Oct 01 10:07:24 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0I04008 (Cal ID A0I1008) DUALECD9F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0I04008
Date: 09/04/20 06:21

Instrument: DUALECD9F
Calibration: A0I1008

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD.ID	STD.ID
1	0I04008-ICB1	Soil	QC	QC				A20H443
2	0I04008-CAL1	Soil	QC	QC				A20F180
3	0I04008-CAL2	Soil	QC	QC				A20F181
4	0I04008-CAL3	Soil	QC	QC				A20F183
5	0I04008-CAL4	Soil	QC	QC				A20F184
6	0I04008-CAL5	Soil	QC	QC				A20F177
7	0I04008-CAL6	Soil	QC	QC				A20F178
8	0I04008-CAL7	Soil	QC	QC				A20F179
9	0I04008-IBL1	Soil	QC	QC				
10	0I04008-ICV1	Soil	QC	QC				A20H015
11	0I04008-CAL8	Soil	QC	QC				A20H322
12	0I04008-CAL9	Soil	QC	QC				A20H324
13	0I04008-CALA	Soil	QC	QC				A20H326
14	0I04008-CALB	Soil	QC	QC				A20H329
15	0I04008-CALC	Soil	QC	QC				A20H330
16	0I04008-CALD	Soil	QC	QC				A20H331
17	0I04008-CALE	Soil	QC	QC				A20H333
18	0I04008-ICV2	Soil	QC	QC				A20H337
19	0I04008-ICV3	Soil	QC	QC				A20D351
20	0I04008-ICV4	Soil	QC	QC				A20H339
21	0I04008-ICV5	Soil	QC	QC				A20H210

Data Entered By/Date: KAK 9/15/2020

Comments: Calibrated for soil/sediment test codes

Data Reviewed By/Date: MKZ 9/16/2020

Calibration Status Report DUALECD9

Method Path : Z:\1\methods\
 Method File : FECD9_QUANTPCB_200904.M
 Title : PCB Data Analysis
 Last Update : Tue Sep 08 16:45:03 2020
 Response Via : Initial Calibration

KAK 9/15/2020

Calibration: A011008

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	Z:\1\data\2020-09\0I04008\ECD9_200904_08.D
2	2	25	0	Z:\1\data\2020-09\0I04008\ECD9_200904_10.D
3	3	50	0	Z:\1\data\2020-09\0I04008\ECD9_200904_12.D
4	4	100	0	Z:\1\data\2020-09\0I04008\ECD9_200904_14.D
5	5	250	0	Z:\1\data\2020-09\0I04008\ECD9_200904_38.D
6	6	500	0	Z:\1\data\2020-09\0I04008\ECD9_200904_18.D
7	7	800	0	Z:\1\data\2020-09\0I04008\ECD9_200904_20.D
8	8	Update calibration info does not match current calibration		
9	9	Update calibration info does not match current calibration		

There are only 7 levels

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Sep 08 16:42 2020	Sep 08 16:14 2020	04 Sep 2020 04:55 pm
2	2	Sep 08 16:42 2020	Sep 08 16:15 2020	04 Sep 2020 05:13 pm
3	3	Sep 08 16:43 2020	Sep 08 16:16 2020	04 Sep 2020 05:31 pm
4	4	Sep 08 16:43 2020	Sep 08 16:17 2020	04 Sep 2020 05:49 pm
5	5	Sep 08 16:45 2020	Sep 08 16:34 2020	04 Sep 2020 09:23 pm
6	6	Sep 08 16:43 2020	Sep 08 16:19 2020	04 Sep 2020 06:25 pm
7	7	Sep 08 16:43 2020	Sep 08 16:20 2020	04 Sep 2020 06:42 pm
8	8	9 9		

FECD9_QUANTPCB_200904.M Tue Sep 15 10:07:13 2020

Response Factor Report DUALECD9

KAK 9/15/2020

Method Path : Z:\1\methods\
 Method File : FECD9_QUANTPCB_200904.M
 Title : PCB Data Analysis
 Last Update : Tue Sep 08 16:45:03 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD9_200904_08.D 2 =ECD9_200904_10.D 3 =ECD9_200904_12.D
 4 =ECD9_200904_14.D 5 =ECD9_200904_38.D 6 =ECD9_200904_18.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	1.386	1.367	1.372	1.365	1.273	1.335	1.346	E6 2.86
2) Aroclor 1016 ...	6.863	5.843	5.582	5.238	4.908	4.737	5.441	E4 13.63
3) Aroclor 1016 ...	1.081	0.939	0.928	0.902	0.849	0.822	0.908	E5 9.85
4) Aroclor 1016 ...	7.093	6.193	5.628	5.319	5.053	4.986	5.612	E4 13.97
5) Aroclor 1016 ...	6.074	5.196	4.683	4.498	4.147	4.019	4.683	E4 15.68
6) Aroclor 1016 ...	6.899	5.838	5.416	5.345	5.129	5.053	5.505	E4 12.54
7) Aroclor 1016 (6)	4.829	4.157	3.808	3.760	3.346	3.330	3.803	E4 14.34
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.586		1.586	E4 0.00
10) Aroclor 1221 (2)					1.066		1.066	E4 0.00
11) Aroclor 1221 (3)					3.402		3.402	E4 0.00
12) Aroclor 1221 (4)					5.851		5.851	E3 0.00
13) Aroclor 1221 (5)					6.411		6.411	E3 0.00
14) Aroclor 1221 ...							0.000	-1.00
15) Aroclor 1232 (1)					2.842		2.842	E4 0.00
16) Aroclor 1232 (2)					3.372		3.372	E4 0.00
17) Aroclor 1232 (3)					2.088		2.088	E4 0.00
18) Aroclor 1232 (4)					1.408		1.408	E4 0.00
19) Aroclor 1232 (5)					1.838		1.838	E4 0.00
20) Aroclor 1232 (6)					1.452		1.452	E4 0.00
21) Aroclor 1232 ...							0.000	-1.00
22) Aroclor 1242 ...					3.699		3.699	E4 0.00
23) Aroclor 1242 ...					6.374		6.374	E4 0.00
24) Aroclor 1242 ...					3.751		3.751	E4 0.00
25) Aroclor 1242 ...					2.989		2.989	E4 0.00
26) Aroclor 1242 ...					3.739		3.739	E4 0.00
27) Aroclor 1242 (6)					3.053		3.053	E4 0.00
28) Aroclor 1242 ...							0.000	-1.00
29) Aroclor 1248 ...					3.959		3.959	E4 0.00
30) Aroclor 1248 ...					5.468		5.468	E4 0.00
31) Aroclor 1248 ...					6.493		6.493	E4 0.00
32) Aroclor 1248 ...					6.902		6.902	E4 0.00
33) Aroclor 1248 ...					7.400		7.400	E4 0.00
34) Aroclor 1248 (6)					3.888		3.888	E4 0.00
35) Aroclor 1248 ...							0.000	-1.00
36) Aroclor 1254 ...					7.279		7.279	E4 0.00
37) Aroclor 1254 ...					8.159		8.159	E4 0.00
38) Aroclor 1254 ...					1.181		1.181	E5 0.00
39) Aroclor 1254 ...					7.616		7.616	E4 0.00
40) Aroclor 1254 ...					7.848		7.848	E4 0.00
41) Aroclor 1254 (6)					2.579		2.579	E4 0.00
42) Aroclor 1254 ...							0.000	-1.00



Response Factor Report DUALECD9

Method Path : Z:\1\methods\
 Method File : FECD9_QUANTPCB_200904.M
 Title : PCB Data Analysis
 Last Update : Tue Sep 08 16:45:03 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD9_200904_08.D 2 =ECD9_200904_10.D 3 =ECD9_200904_12.D
 4 =ECD9_200904_14.D 5 =ECD9_200904_38.D 6 =ECD9_200904_18.D

Compound		1	2	3	4	5	6	Avg	%RSD
43)	Aroclor 1260 ...	1.174	1.039	0.961	0.981	0.943	0.897	0.986 E5	9.66
44)	Aroclor 1260 ...	1.421	1.226	1.195	1.197	1.064	1.090	1.183 E5	10.41
45)	Aroclor 1260 (3)	1.074	0.933	0.882	0.862	0.831	0.800	0.884 E5	10.82
46)	Aroclor 1260 (4)	2.153	1.951	1.829	1.959	1.791	1.741	1.894 E5	7.35
47)	Aroclor 1260 (5)	1.444	1.266	1.225	1.210	1.161	1.194	1.236 E5	8.04
48)	Aroclor 1260 (6)	6.423	5.543	5.129	4.927	4.846	4.511	5.141 E4	12.86
49)	Aroclor 1260 ...							0.000	-1.00
50)	Aroclor 1262 (1)					8.450		8.450 E4	0.00
51)	Aroclor 1262 (2)					1.208		1.208 E5	0.00
52)	Aroclor 1262 (3)					9.848		9.848 E4	0.00
53)	Aroclor 1262 (4)					2.003		2.003 E5	0.00
54)	Aroclor 1262 (5)					1.156		1.156 E5	0.00
55)	Aroclor 1262 (6)					6.054		6.054 E4	0.00
56)	Aroclor 1262 ...							0.000	-1.00
57)	Aroclor 1268 (1)					5.467		5.467 E4	0.00
58)	Aroclor 1268 (2)					2.415		2.415 E5	0.00
59)	Aroclor 1268 (3)					1.928		1.928 E5	0.00
60)	Aroclor 1268 (4)					1.858		1.858 E5	0.00
61)	Aroclor 1268 (5)					6.889		6.889 E4	0.00
62)	Aroclor 1268 (6)					4.646		4.646 E5	0.00
63)	Aroclor 1268 ...							0.000	-1.00
64) S	DCBP (S)	1.032	0.963	0.967	0.932	0.898	0.930	0.950 E6	4.51

✓
✓
✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report DUALECD9

Method Path : Z:\1\methods\
Method File : FECD9_QUANTPCB_200904.M
Title : PCB Data Analysis
Last Update : Tue Sep 08 16:45:03 2020
Response Via : Initial Calibration

KAK 9/15/2020

Total Cpnds : 64

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	4.890	1.000	A	H	L
2	Aroclor 1016 (1)	5.815	1.000	A	H	R
3	Aroclor 1016 (2)	6.232	1.000	A	H	R
4	Aroclor 1016 (3)	6.314	1.000	A	H	R
5	Aroclor 1016 (4)	6.474	1.000	A	H	R
6	Aroclor 1016 (5)	6.698	1.000	A	H	R
7	Aroclor 1016 (6)	6.826	1.000	A	H	R
8	Aroclor 1016 - AVE	1.973	1.000	A	H	R
9	Aroclor 1221 (1)	5.251	1.000	A	H	R
10	Aroclor 1221 (2)	5.371	1.000	A	H	R
11	Aroclor 1221 (3)	5.452	1.000	A	H	R
12	Aroclor 1221 (4)	5.923	1.000	A	H	R
13	Aroclor 1221 (5)	6.233	1.000	A	H	R
14	Aroclor 1221 - AVE	1.973	1.000	A	H	R
15	Aroclor 1232 (1)	5.452	1.000	A	H	R
16	Aroclor 1232 (2)	6.232	1.000	A	H	R
17	Aroclor 1232 (3)	6.314	1.000	A	H	R
18	Aroclor 1232 (4)	6.474	1.000	A	H	R
19	Aroclor 1232 (5)	6.698	1.000	A	H	R
20	Aroclor 1232 (6)	6.826	1.000	A	H	R
21	Aroclor 1232 - AVE	1.973	1.000	A	H	R
22	Aroclor 1242 (1)	5.816	1.000	A	H	R
23	Aroclor 1242 (2)	6.232	1.000	A	H	R
24	Aroclor 1242 (3)	6.314	1.000	A	H	R
25	Aroclor 1242 (4)	6.474	1.000	A	H	R
26	Aroclor 1242 (5)	6.698	1.000	A	H	R
27	Aroclor 1242 (6)	6.825	1.000	A	H	R
28	Aroclor 1242 - AVE	1.973	1.000	A	H	R
29	Aroclor 1248 (1)	6.219	1.000	A	H	R
30	Aroclor 1248 (2)	6.474	1.000	A	H	R
31	Aroclor 1248 (3)	6.697	1.000	A	H	R
32	Aroclor 1248 (4)	6.994	1.000	A	H	R
33	Aroclor 1248 (5)	7.033	1.000	A	H	R
34	Aroclor 1248 (6)	7.515	1.000	A	H	R
35	Aroclor 1248 - AVE	1.973	1.000	A	H	R
36	Aroclor 1254 (1)	7.030	1.000	A	H	R
37	Aroclor 1254 (2)	7.140	1.000	A	H	R
38	Aroclor 1254 (3)	7.515	1.000	A	H	R
39	Aroclor 1254 (4)	7.682	1.000	A	H	R
40	Aroclor 1254 (5)	8.068	1.000	A	H	R
41	Aroclor 1254 (6)	8.365	1.000	A	H	R
42	Aroclor 1254 - AVE	1.973	1.000	A	H	R
43	Aroclor 1260 (1)	7.636	1.000	A	H	R
44	Aroclor 1260 (2)	7.770	1.000	A	H	R
45	Aroclor 1260 (3)	8.335	1.000	A	H	R
46	Aroclor 1260 (4)	8.506	1.000	A	H	R
47	Aroclor 1260 (5)	8.809	1.000	A	H	R
48	Aroclor 1260 (6)	9.216	1.000	A	H	R
49	Aroclor 1260 - AVE	1.973	1.000	A	H	R
50	Aroclor 1262 (1)	7.769	1.000	A	H	R
51	Aroclor 1262 (2)	8.099	1.000	A	H	R
52	Aroclor 1262 (3)	8.334	1.000	A	H	R
53	Aroclor 1262 (4)	8.505	1.000	A	H	R
54	Aroclor 1262 (5)	8.809	1.000	A	H	R
55	Aroclor 1262 (6)	9.217	1.000	A	H	R
56	Aroclor 1262 - AVE	1.973	1.000	A	H	R

57	Aroclor 1268 (1)	8.327	1.000	A	H	R
58	Aroclor 1268 (2)	8.757	1.000	A	H	R
59	Aroclor 1268 (3)	8.804	1.000	A	H	R
60	Aroclor 1268 (4)	8.992	1.000	A	H	R
61	Aroclor 1268 (5)	9.216	1.000	A	H	R
62	Aroclor 1268 (6)	9.492	1.000	A	H	R
63	Aroclor 1268 - AVE	1.973	1.000	A	H	R
64	S DCBP (S)	9.745	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

FECD9_QUANTPCB_200904.M Tue Sep 15 10:06:39 2020

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I04008

Analysis Included

8082 PCBs
 8082 PCBs - Low Level (2mL FV)
 8082 PCBs - Low Level (2mL FV) +1262/68
 8082 PCBs - Low Level (15g/1mL)
 8082 PCBs + 1262/1268

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0I04008-ICB1	Initial Cal Blank	Soil	A20H443		9/4/2020 4:37:00PM
0I04008-CAL1	Cal Standard	Soil	A20F180	"	9/4/2020 4:55:00PM
0I04008-CAL2	Cal Standard	Soil	A20F181	"	9/4/2020 5:13:00PM
0I04008-CAL3	Cal Standard	Soil	A20F183	"	9/4/2020 5:31:00PM
0I04008-CAL4	Cal Standard	Soil	A20F184	"	9/4/2020 5:49:00PM
0I04008-CAL5	Cal Standard	Soil	A20F177	"	9/4/2020 6:07:00PM
0I04008-CAL6	Cal Standard	Soil	A20F178	"	9/4/2020 6:25:00PM
0I04008-CAL7	Cal Standard	Soil	A20F179	"	9/4/2020 6:42:00PM
0I04008-ICV1	Initial Cal Check	Soil	A20H015	"	9/4/2020 7:18:00PM
0I04008-CAL8	Cal Standard	Soil	A20H322	"	9/4/2020 7:36:00PM
0I04008-CAL9	Cal Standard	Soil	A20H324	"	9/4/2020 7:54:00PM
0I04008-CALA	Cal Standard	Soil	A20H326	"	9/4/2020 8:12:00PM
0I04008-CALB	Cal Standard	Soil	A20H329	"	9/4/2020 8:30:00PM
0I04008-CALC	Cal Standard	Soil	A20H330	"	9/4/2020 8:47:00PM
0I04008-CALD	Cal Standard	Soil	A20H331	"	9/4/2020 9:05:00PM
0I04008-CALE	Cal Standard	Soil	A20H333	"	9/4/2020 9:23:00PM
0I04008-ICV2	Initial Cal Check	Soil	A20H337	"	9/4/2020 9:41:00PM
0I04008-ICV3	Initial Cal Check	Soil	A20D351	"	9/4/2020 9:59:00PM
0I04008-ICV4	Initial Cal Check	Soil	A20H339	"	9/4/2020 10:17:00PM
0I04008-ICV5	Initial Cal Check	Soil	A20H210	"	9/4/2020 10:35:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0I1008** Instrument: **DUALECD9F**

8082 PCBs Sequence: **0I04008** Matrix: **Soil**

0I04008-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0I04008-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	
0I04008-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	
Aroclor 1260	100.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I04008

Aroclor 1260	100.0000	0.00	100	0	
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
0I04008-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
0I04008-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	300.0000	0.00	500	0	
Aroclor 1260	300.0000	0.00	500	0	
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
0I04008-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	300.0000	0.00	1000	0	
Aroclor 1260	300.0000	0.00	1000	0	
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	
0I04008-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	300.0000	0.00	1500	0	
Aroclor 1260	300.0000	0.00	1500	0	
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	
0I04008-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1221 (1)	40.0000	0.00	500	0	
1221 (2)	40.0000	0.00	500	0	
1221 (3)	40.0000	0.00	500	0	
1221 (4)	40.0000	0.00	500	0	
1221 (5)	40.0000	0.00	500	0	
Aroclor 1221	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I04008

1221 (1)	100.0000	0.00	500	0	
1221 (2)	100.0000	0.00	500	0	
1221 (3)	100.0000	0.00	500	0	
1221 (4)	100.0000	0.00	500	0	
1221 (5)	100.0000	0.00	500	0	
Aroclor 1221	100.0000	0.00	500	0	
1221 (1)	100.0000	0.00	500	0	
1221 (2)	100.0000	0.00	500	0	
1221 (3)	100.0000	0.00	500	0	
1221 (4)	100.0000	0.00	500	0	
1221 (5)	100.0000	0.00	500	0	
Aroclor 1221	100.0000	0.00	500	0	
1221 (1)	300.0000	0.00	500	0	
1221 (2)	300.0000	0.00	500	0	
1221 (3)	300.0000	0.00	500	0	
1221 (4)	300.0000	0.00	500	0	
1221 (5)	300.0000	0.00	500	0	
Aroclor 1221	300.0000	0.00	500	0	
1221 (1)	40.0000	0.00	500	0	
1221 (2)	40.0000	0.00	500	0	
1221 (3)	40.0000	0.00	500	0	
1221 (4)	40.0000	0.00	500	0	
1221 (5)	40.0000	0.00	500	0	
Aroclor 1221	40.0000	0.00	500	0	
0I04008-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1232 (1)	40.0000	0.00	500	0	
1232 (2)	40.0000	0.00	500	0	
1232 (3)	40.0000	0.00	500	0	
1232 (4)	40.0000	0.00	500	0	
1232 (5)	40.0000	0.00	500	0	
1232 (6)	40.0000	0.00	500	0	
Aroclor 1232	40.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	300.0000	0.00	500	0	
1232 (2)	300.0000	0.00	500	0	
1232 (3)	300.0000	0.00	500	0	
1232 (4)	300.0000	0.00	500	0	
1232 (5)	300.0000	0.00	500	0	
1232 (6)	300.0000	0.00	500	0	
Aroclor 1232	300.0000	0.00	500	0	
1232 (1)	40.0000	0.00	500	0	
1232 (2)	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I04008

1232 (3)	40.0000	0.00	500	0
1232 (4)	40.0000	0.00	500	0
1232 (5)	40.0000	0.00	500	0
1232 (6)	40.0000	0.00	500	0
Aroclor 1232	40.0000	0.00	500	0

0I04008-CALA

Inst. MRL Recalc Res. Cal Level %Rec. Qual

1242 (1)	40.0000	0.00	500	0
1242 (2)	40.0000	0.00	500	0
1242 (3)	40.0000	0.00	500	0
1242 (4)	40.0000	0.00	500	0
1242 (5)	40.0000	0.00	500	0
1242 (6)	40.0000	0.00	500	0
Aroclor 1242	40.0000	0.00	500	0
1242 (1)	100.0000	0.00	500	0
1242 (2)	100.0000	0.00	500	0
1242 (3)	100.0000	0.00	500	0
1242 (4)	100.0000	0.00	500	0
1242 (5)	100.0000	0.00	500	0
1242 (6)	100.0000	0.00	500	0
Aroclor 1242	100.0000	0.00	500	0
1242 (1)	100.0000	0.00	500	0
1242 (2)	100.0000	0.00	500	0
1242 (3)	100.0000	0.00	500	0
1242 (4)	100.0000	0.00	500	0
1242 (5)	100.0000	0.00	500	0
1242 (6)	100.0000	0.00	500	0
Aroclor 1242	100.0000	0.00	500	0
1242 (1)	300.0000	0.00	500	0
1242 (2)	300.0000	0.00	500	0
1242 (3)	300.0000	0.00	500	0
1242 (4)	300.0000	0.00	500	0
1242 (5)	300.0000	0.00	500	0
1242 (6)	300.0000	0.00	500	0
Aroclor 1242	300.0000	0.00	500	0
1242 (1)	40.0000	0.00	500	0
1242 (2)	40.0000	0.00	500	0
1242 (3)	40.0000	0.00	500	0
1242 (4)	40.0000	0.00	500	0
1242 (5)	40.0000	0.00	500	0
1242 (6)	40.0000	0.00	500	0
Aroclor 1242	40.0000	0.00	500	0

0I04008-CALB

Inst. MRL Recalc Res. Cal Level %Rec. Qual

1248 (1)	40.0000	0.00	500	0
1248 (2)	40.0000	0.00	500	0
1248 (3)	40.0000	0.00	500	0
1248 (4)	40.0000	0.00	500	0
1248 (5)	40.0000	0.00	500	0
1248 (6)	40.0000	0.00	500	0
Aroclor 1248	40.0000	0.00	500	0
1248 (1)	100.0000	0.00	500	0
1248 (2)	100.0000	0.00	500	0
1248 (3)	100.0000	0.00	500	0
1248 (4)	100.0000	0.00	500	0
1248 (5)	100.0000	0.00	500	0

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I04008

1248 (6)	100.0000	0.00	500	0	
Aroclor 1248	100.0000	0.00	500	0	
1248 (1)	100.0000	0.00	500	0	
1248 (2)	100.0000	0.00	500	0	
1248 (3)	100.0000	0.00	500	0	
1248 (4)	100.0000	0.00	500	0	
1248 (5)	100.0000	0.00	500	0	
1248 (6)	100.0000	0.00	500	0	
Aroclor 1248	100.0000	0.00	500	0	
1248 (1)	300.0000	0.00	500	0	
1248 (2)	300.0000	0.00	500	0	
1248 (3)	300.0000	0.00	500	0	
1248 (4)	300.0000	0.00	500	0	
1248 (5)	300.0000	0.00	500	0	
1248 (6)	300.0000	0.00	500	0	
Aroclor 1248	300.0000	0.00	500	0	
1248 (1)	40.0000	0.00	500	0	
1248 (2)	40.0000	0.00	500	0	
1248 (3)	40.0000	0.00	500	0	
1248 (4)	40.0000	0.00	500	0	
1248 (5)	40.0000	0.00	500	0	
1248 (6)	40.0000	0.00	500	0	
Aroclor 1248	40.0000	0.00	500	0	
0I04008-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	
1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	300.0000	0.00	500	0	
1254 (2)	300.0000	0.00	500	0	
1254 (3)	300.0000	0.00	500	0	
1254 (4)	300.0000	0.00	500	0	
1254 (5)	300.0000	0.00	500	0	
1254 (6)	300.0000	0.00	500	0	
Aroclor 1254	300.0000	0.00	500	0	
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I04008

1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
0I04008-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	300.0000	0.00	500	0	
1262 (2)	300.0000	0.00	500	0	
1262 (3)	300.0000	0.00	500	0	
1262 (4)	300.0000	0.00	500	0	
1262 (5)	300.0000	0.00	500	0	
1262 (6)	300.0000	0.00	500	0	
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	
0I04008-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1268 (1)	40.0000	0.00	500	0	
1268 (2)	40.0000	0.00	500	0	
1268 (3)	40.0000	0.00	500	0	
1268 (4)	40.0000	0.00	500	0	
1268 (5)	40.0000	0.00	500	0	
1268 (6)	40.0000	0.00	500	0	
Aroclor 1268	40.0000	0.00	500	0	
1268 (1)	100.0000	0.00	500	0	
1268 (2)	100.0000	0.00	500	0	
1268 (3)	100.0000	0.00	500	0	
1268 (4)	100.0000	0.00	500	0	
1268 (5)	100.0000	0.00	500	0	
1268 (6)	100.0000	0.00	500	0	
Aroclor 1268	100.0000	0.00	500	0	
1268 (1)	100.0000	0.00	500	0	
1268 (2)	100.0000	0.00	500	0	
1268 (3)	100.0000	0.00	500	0	
1268 (4)	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I04008

1268 (5)	100.0000	0.00	500	0
1268 (6)	100.0000	0.00	500	0
Aroclor 1268	100.0000	0.00	500	0
1268 (1)	300.0000	0.00	500	0
1268 (2)	300.0000	0.00	500	0
1268 (3)	300.0000	0.00	500	0
1268 (4)	300.0000	0.00	500	0
1268 (5)	300.0000	0.00	500	0
1268 (6)	300.0000	0.00	500	0
Aroclor 1268	300.0000	0.00	500	0
1268 (1)	40.0000	0.00	500	0
1268 (2)	40.0000	0.00	500	0
1268 (3)	40.0000	0.00	500	0
1268 (4)	40.0000	0.00	500	0
1268 (5)	40.0000	0.00	500	0
1268 (6)	40.0000	0.00	500	0
Aroclor 1268	40.0000	0.00	500	0

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier iMDL iMRL Spike Amt %Difference OK? Raise MRL to ?
 _____ _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0I1008**

Instrument: **DUALECD9F**

8082 PCBs - Low Level (2mL)

Sequence: **0I04008**

Matrix: **Soil**

0I04008-ICV1

	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	350.51	70	
1260 (6)	20	500	350.51	70	
1260 (6)	20	500	350.51	70	
1260 (6)	20	500	350.51	70	
1260 (6)	20	500	350.51	70	

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.

Element Calibration Review Sheet

Calibration ID: **A011008**

Instrument: **DUALECD9F**

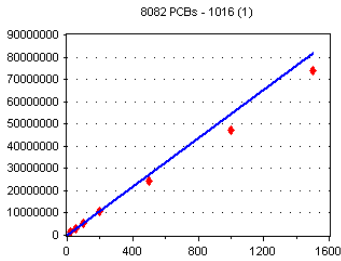
Calibration Date: **09/10/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD9_QUANTPCB_2090**

1016 (1)

Curve Fit: **AVERAGE RF**

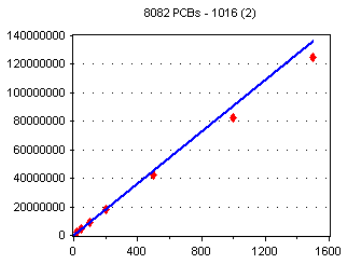


Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	1372587	68629.350	5.82
OI04008-CAL2	50	2921422	58428.440	5.82
OI04008-CAL3	100	5582340	55823.400	5.82
OI04008-CAL4	200	047627E+07	52381.350	5.82
OI04008-CAL5	500	453892E+07	49077.840	5.82
OI04008-CAL6	1000	736729E+07	47367.290	5.82
OI04008-CAL7	1500	373501E+07	49156.670	5.82

AVE RF **54409.190** **RF RSD** **13.63** **AVE RT** **5.82**

1016 (2)

Curve Fit: **AVERAGE RF**

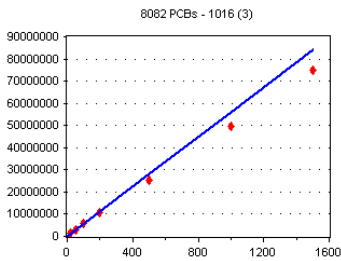


Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	2162859	108143.000	6.23
OI04008-CAL2	50	4696734	93934.680	6.23
OI04008-CAL3	100	9277879	92778.790	6.23
OI04008-CAL4	200	803904E+07	90195.200	6.23
OI04008-CAL5	500	245872E+07	84917.440	6.23
OI04008-CAL6	1000	219815E+07	82198.150	6.23
OI04008-CAL7	1500	249408E+08	83293.870	6.23

AVE RF **90780.150** **RF RSD** **9.85** **AVE RT** **6.23**

1016 (3)

Curve Fit: **AVERAGE RF**

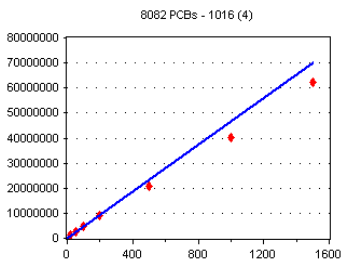


Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	1418625	70931.250	6.32
OI04008-CAL2	50	3096284	61925.680	6.32
OI04008-CAL3	100	5627748	56277.480	6.31
OI04008-CAL4	200	063896E+07	53194.800	6.32
OI04008-CAL5	500	526411E+07	50528.220	6.31
OI04008-CAL6	1000	985634E+07	49856.340	6.32
OI04008-CAL7	1500	513858E+07	50092.380	6.32

AVE RF **56115.160** **RF RSD** **13.97** **AVE RT** **6.31**

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	1214769	60738.450	6.48
OI04008-CAL2	50	2598074	51961.480	6.48
OI04008-CAL3	100	4683389	46833.890	6.47
OI04008-CAL4	200	8996396	44981.980	6.47
OI04008-CAL5	500	073523E+07	41470.460	6.47
OI04008-CAL6	1000	018862E+07	40188.620	6.47
OI04008-CAL7	1500	241103E+07	41607.360	6.47

AVE RF **46826.030** **RF RSD** **15.68** **AVE RT** **6.47**

Element Calibration Review Sheet

Calibration ID: **A011008**

Instrument: **DUALECD9F**

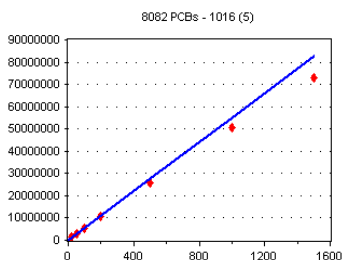
Calibration Date: **09/10/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD9_QUANTPCB_20090**

1016 (5)

Curve Fit: **AVERAGE RF**

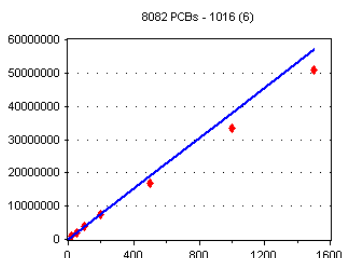


Standard	Concentration	Response	Response Factor	RT
0I04008-CAL1	20	1379805	68990.250	6.70
0I04008-CAL2	50	2918999	58379.980	6.70
0I04008-CAL3	100	5416022	54160.220	6.70
0I04008-CAL4	200	068964E+07	53448.200	6.70
0I04008-CAL5	500	564704E+07	51294.080	6.70
0I04008-CAL6	1000	052993E+07	50529.930	6.70
0I04008-CAL7	1500	279559E+07	48530.390	6.70

AVE RF **55047.580** **RF RSD** **12.54** **AVE RT** **6.70**

1016 (6)

Curve Fit: **AVERAGE RF**

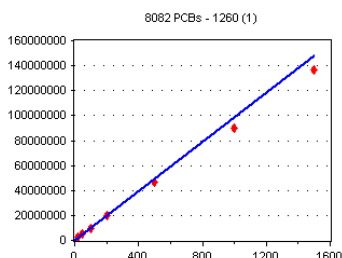


Standard	Concentration	Response	Response Factor	RT
0I04008-CAL1	20	965808	48290.400	6.83
0I04008-CAL2	50	2078324	41566.480	6.83
0I04008-CAL3	100	3808401	38084.010	6.83
0I04008-CAL4	200	7519356	37596.780	6.83
0I04008-CAL5	500	673003E+07	33460.060	6.83
0I04008-CAL6	1000	330072E+07	33300.720	6.83
0I04008-CAL7	1500	082071E+07	33880.480	6.83

AVE RF **38025.560** **RF RSD** **14.34** **AVE RT** **6.83**

1260 (1)

Curve Fit: **AVERAGE RF**

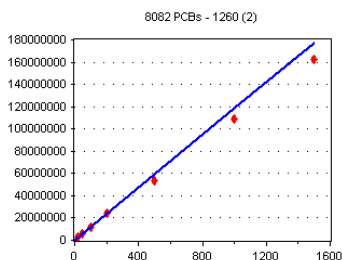


Standard	Concentration	Response	Response Factor	RT
0I04008-CAL1	20	2347886	117394.300	7.64
0I04008-CAL2	50	5192857	103857.100	7.64
0I04008-CAL3	100	9610997	96109.970	7.64
0I04008-CAL4	200	962499E+07	98124.950	7.64
0I04008-CAL5	500	713194E+07	94263.880	7.64
0I04008-CAL6	1000	971571E+07	89715.710	7.64
0I04008-CAL7	1500	363283E+08	90885.540	7.64

AVE RF **98621.640** **RF RSD** **9.66** **AVE RT** **7.64**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I04008-CAL1	20	2841169	142058.500	7.77
0I04008-CAL2	50	6129492	122589.800	7.77
0I04008-CAL3	100	195352E+07	119535.200	7.77
0I04008-CAL4	200	393015E+07	119650.800	7.77
0I04008-CAL5	500	318487E+07	106369.700	7.77
0I04008-CAL6	1000	090094E+08	109009.400	7.77
0I04008-CAL7	1500	628413E+08	108560.900	7.77

AVE RF **118253.500** **RF RSD** **10.41** **AVE RT** **7.77**

Element Calibration Review Sheet

Calibration ID: **A011008**
 Analysis: **8082 PCBs**

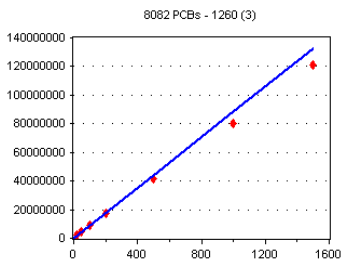
Instrument: **DUALECD9F**

Calibration Date: **09/10/2020**

Instrument Cal ID: **FECD9_QUANTPCB_2090**

1260 (3)

Curve Fit: **AVERAGE RF**

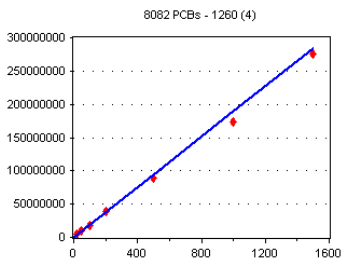


Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	2148666	107433.300	8.34
OI04008-CAL2	50	4662757	93255.140	8.34
OI04008-CAL3	100	8820889	88208.890	8.34
OI04008-CAL4	200	.72485E+07	86242.500	8.34
OI04008-CAL5	500	154118E+07	83082.360	8.34
OI04008-CAL6	1000	995815E+07	79958.150	8.34
OI04008-CAL7	1500	210817E+08	80721.130	8.34

AVE RF 88414.500 RF RSD 10.82 AVE RT 8.34

1260 (4)

Curve Fit: **AVERAGE RF**

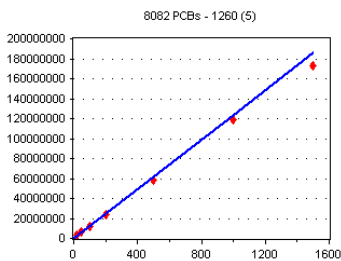


Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	4306352	215317.600	8.51
OI04008-CAL2	50	9752510	195050.200	8.51
OI04008-CAL3	100	829004E+07	182900.400	8.51
OI04008-CAL4	200	918099E+07	195905.000	8.51
OI04008-CAL5	500	952629E+07	179052.600	8.51
OI04008-CAL6	1000	740703E+08	174070.300	8.51
OI04008-CAL7	1500	1.75575E+08	183716.700	8.51

AVE RF 189430.400 RF RSD 7.35 AVE RT 8.51

1260 (5)

Curve Fit: **AVERAGE RF**

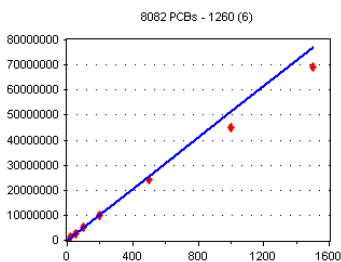


Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	2887730	144386.500	8.81
OI04008-CAL2	50	6330104	126602.100	8.81
OI04008-CAL3	100	225405E+07	122540.500	8.81
OI04008-CAL4	200	420927E+07	121046.400	8.81
OI04008-CAL5	500	804874E+07	116097.500	8.81
OI04008-CAL6	1000	194488E+08	119448.800	8.81
OI04008-CAL7	1500	728209E+08	115213.900	8.81

AVE RF 123619.400 RF RSD 8.04 AVE RT 8.81

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OI04008-CAL1	20	1284578	64228.900	9.22
OI04008-CAL2	50	2771544	55430.880	9.22
OI04008-CAL3	100	5128964	51289.640	9.22
OI04008-CAL4	200	9854882	49274.410	9.22
OI04008-CAL5	500	423036E+07	48460.720	9.22
OI04008-CAL6	1000	511123E+07	45111.230	9.22
OI04008-CAL7	1500	908987E+07	46059.910	9.22

AVE RF 51407.960 RF RSD 12.86 AVE RT 9.22

Element Calibration Review Sheet

Calibration ID: **A011008**

Instrument: **DUALECD9F**

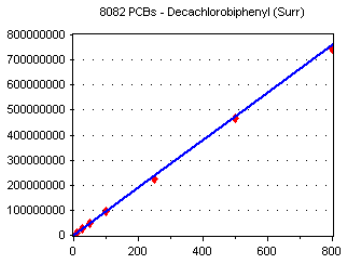
Calibration Date: **09/10/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD9_QUANTPCB_20090**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0I04008-CAL1	10	031914E+07	1031914.000	9.75
0I04008-CAL2	25	406405E+07	962562.000	9.75
0I04008-CAL3	50	835046E+07	967009.200	9.75
0I04008-CAL4	100	322772E+07	932277.200	9.75
0I04008-CAL5	250	245752E+08	898300.800	9.75
0I04008-CAL6	500	652375E+08	930475.000	9.75
0I04008-CAL7	800	1.42631E+08	928288.800	9.75

AVE RF **950118.100** RF RSD **4.51** AVE RT **9.75**

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_06.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:37 pm
 Operator :
 Sample : 0I04008-ICB1
 Misc : 1x
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/8/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:03 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	132574095	98.472 ng/ml
64) S DCBP (S)	9.748	84943447	89.403 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.821	47959	0.881 ng/ml
3) Aroclor 1016 (2)	6.239	87015	0.959 ng/ml
4) Aroclor 1016 (3)	6.313	86981	1.550 ng/ml
5) Aroclor 1016 (4)	6.477	92942	1.985 ng/ml
6) Aroclor 1016 (5)	6.707	76608	1.392 ng/ml
7) Aroclor 1016 (6)	6.829	120734	3.175 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	2851576	179.761 ng/ml
10) Aroclor 1221 (2)	5.373	40757	3.822 ng/ml
11) Aroclor 1221 (3)	5.437	88223	2.593 ng/ml
12) Aroclor 1221 (4)	5.929	50664	8.659 ng/ml
13) Aroclor 1221 (5)	6.239	87015	13.572 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.437	88223	3.104 ng/ml
16) Aroclor 1232 (2)	6.239	87015	2.581 ng/ml
17) Aroclor 1232 (3)	6.313	86981	4.166 ng/ml
18) Aroclor 1232 (4)	6.477	92942	6.603 ng/ml
19) Aroclor 1232 (5)	6.707	76608	4.168 ng/ml
20) Aroclor 1232 (6)	6.829	120734	8.314 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.821	47959	1.296 ng/ml
23) Aroclor 1242 (2)	6.239	87015	1.365 ng/ml
24) Aroclor 1242 (3)	6.313	86981	2.319 ng/ml
25) Aroclor 1242 (4)	6.477	92942	3.110 ng/ml
26) Aroclor 1242 (5)	6.707	76608	2.049 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_06.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:37 pm
 Operator :
 Sample : 0I04008-ICB1
 Misc : 1x
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:03 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.829	120734	3.955 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.199	144532	3.650 ng/ml
30)	Aroclor 1248 (2)	6.477	92942	1.700 ng/ml
31)	Aroclor 1248 (3)	6.707	76608	1.180 ng/ml
32)	Aroclor 1248 (4)	7.004	981830	14.225 ng/ml
33)	Aroclor 1248 (5)	7.031	123775	1.673 ng/ml
34)	Aroclor 1248 (6)	7.508	69926	1.798 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.031	123775	1.701 ng/ml
37)	Aroclor 1254 (2)	7.136	236668	2.901 ng/ml
38)	Aroclor 1254 (3)	7.508	69926	0.592 ng/ml
39)	Aroclor 1254 (4)	7.678	57141	0.750 ng/ml
40)	Aroclor 1254 (5)	8.082	168493	2.147 ng/ml
41)	Aroclor 1254 (6)	8.366	41553	1.611 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.637	57327	0.581 ng/ml
44)	Aroclor 1260 (2)	7.770	61951	0.524 ng/ml
45)	Aroclor 1260 (3)	8.334	73989	0.837 ng/ml
46)	Aroclor 1260 (4)	8.504	288267	1.522 ng/ml
47)	Aroclor 1260 (5)	8.811	92663	0.750 ng/ml
48)	Aroclor 1260 (6)	9.219	57727	1.123 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	61951	0.733 ng/ml
51)	Aroclor 1262 (2)	8.082	168493	1.394 ng/ml
52)	Aroclor 1262 (3)	8.334	73989	0.751 ng/ml
53)	Aroclor 1262 (4)	8.504	288267	1.439 ng/ml
54)	Aroclor 1262 (5)	8.811	92663	0.802 ng/ml
55)	Aroclor 1262 (6)	9.219	57727	0.954 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.334	73989	1.353 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_06.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:37 pm
 Operator :
 Sample : 0I04008-ICB1
 Misc : 1x
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:03 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	65676	0.272 ng/ml
59)	Aroclor 1268 (3)	8.811	92663	0.481 ng/ml
60)	Aroclor 1268 (4)	8.995	1957757	10.539 ng/ml
61)	Aroclor 1268 (5)	9.219	57727	0.838 ng/ml
62)	Aroclor 1268 (6)	9.494	3597600	7.744 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

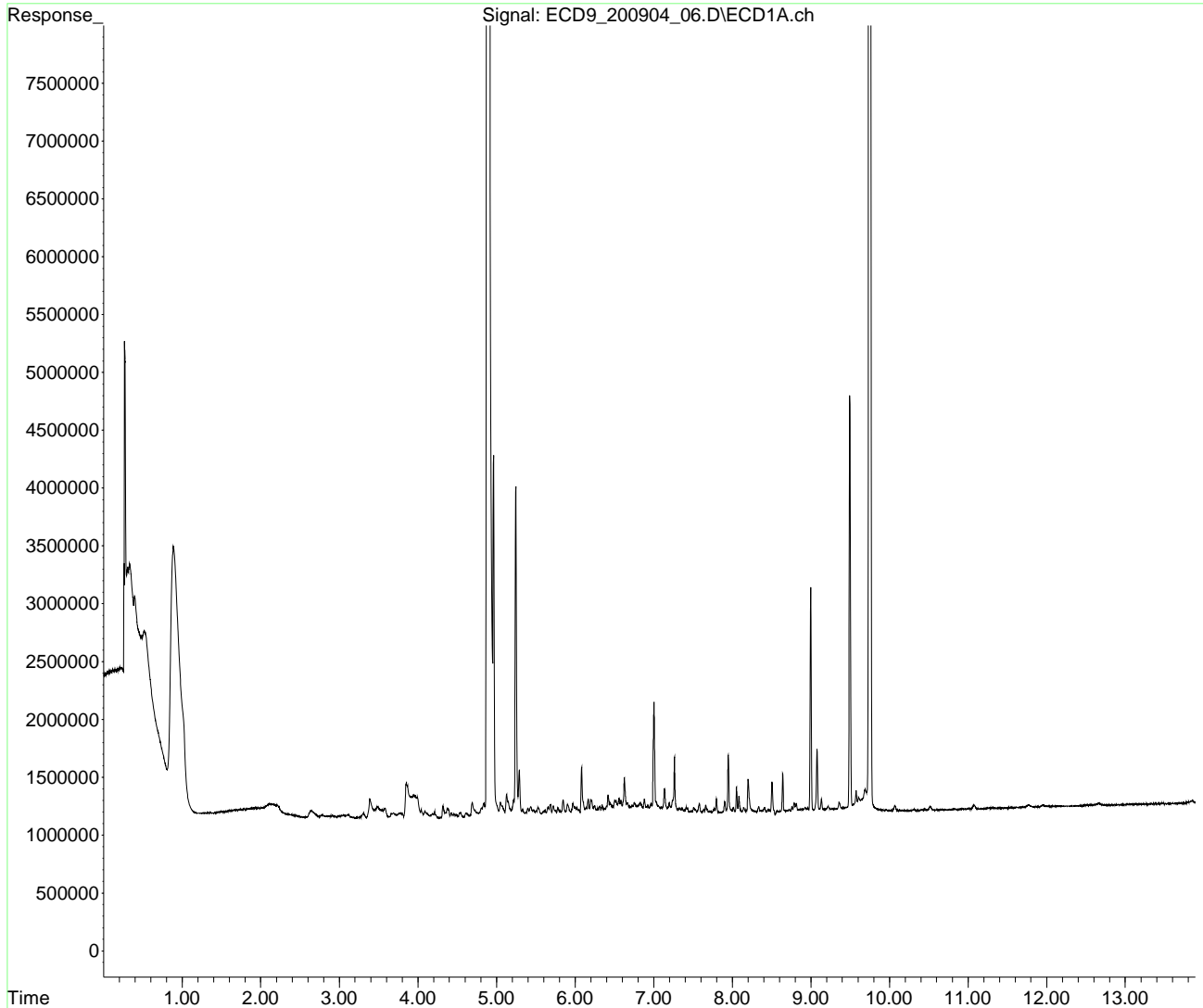
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_06.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 04:37 pm
Operator :
Sample : 0I04008-ICB1
Misc : 1x
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:59:03 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_22.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:00 pm
 Operator :
 Sample : 0I04008-IBL1
 Misc : 1x
 ALS Vial : 1 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:09 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.831f	107736	0.080 ng/ml
64) S DCBP (S)	9.744	72719	0.077 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.818	65181	1.198 ng/ml
3) Aroclor 1016 (2)	6.236	76826	0.846 ng/ml
4) Aroclor 1016 (3)	6.313	62636	1.116 ng/ml
5) Aroclor 1016 (4)	6.476	56196	1.200 ng/ml
6) Aroclor 1016 (5)	6.700	42353	0.769 ng/ml
7) Aroclor 1016 (6)	6.817	51156	1.345 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.216	201995	12.734 ng/ml
10) Aroclor 1221 (2)	5.372	44617	4.184 ng/ml
11) Aroclor 1221 (3)	5.437	102332	3.008 ng/ml
12) Aroclor 1221 (4)	5.912	88176	15.070 ng/ml
13) Aroclor 1221 (5)	6.236	76826	11.983 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.437	102332	3.600 ng/ml
16) Aroclor 1232 (2)	6.236	76826	2.279 ng/ml
17) Aroclor 1232 (3)	6.313	62636	3.000 ng/ml
18) Aroclor 1232 (4)	6.476	56196	3.992 ng/ml
19) Aroclor 1232 (5)	6.700	42353	2.304 ng/ml
20) Aroclor 1232 (6)	6.817	51156	3.523 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.818	65181	1.762 ng/ml
23) Aroclor 1242 (2)	6.236	76826	1.205 ng/ml
24) Aroclor 1242 (3)	6.313	62636	1.670 ng/ml
25) Aroclor 1242 (4)	6.476	56196	1.880 ng/ml
26) Aroclor 1242 (5)	6.700	42353	1.133 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_22.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:00 pm
 Operator :
 Sample : 0I04008-IBL1
 Misc : 1x
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:09 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.817	51156	1.676 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.214	116705	2.948 ng/ml
30)	Aroclor 1248 (2)	6.476	56196	1.028 ng/ml
31)	Aroclor 1248 (3)	6.700	42353	0.652 ng/ml
32)	Aroclor 1248 (4)	7.004	1269334	18.391 ng/ml
33)	Aroclor 1248 (5)	7.004	1269334	17.153 ng/ml
34)	Aroclor 1248 (6)	7.508	37366	0.961 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.004	1269334	17.439 ng/ml
37)	Aroclor 1254 (2)	7.137	150836	1.849 ng/ml
38)	Aroclor 1254 (3)	7.508	37366	0.316 ng/ml
39)	Aroclor 1254 (4)	7.680	29019	0.381 ng/ml
40)	Aroclor 1254 (5)	8.067	29049	0.370 ng/ml
41)	Aroclor 1254 (6)	8.368	9717	0.377 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.636	33537	0.340 ng/ml
44)	Aroclor 1260 (2)	7.771	37274	0.315 ng/ml
45)	Aroclor 1260 (3)	8.332	33834	0.383 ng/ml
46)	Aroclor 1260 (4)	8.504	121063	0.639 ng/ml
47)	Aroclor 1260 (5)	8.810	51833	0.419 ng/ml
48)	Aroclor 1260 (6)	9.216	36160	0.703 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.771	37274	0.441 ng/ml
51)	Aroclor 1262 (2)	8.098	23666	0.196 ng/ml
52)	Aroclor 1262 (3)	8.332	33834	0.344 ng/ml
53)	Aroclor 1262 (4)	8.504	121063	0.604 ng/ml
54)	Aroclor 1262 (5)	8.810	51833	0.448 ng/ml
55)	Aroclor 1262 (6)	9.216	36160	0.597 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.332	33834	0.619 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_22.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:00 pm
 Operator :
 Sample : 0I04008-IBL1
 Misc : 1x
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:09 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	23078	0.096 ng/ml
59)	Aroclor 1268 (3)	8.810	51833	0.269 ng/ml
60)	Aroclor 1268 (4)	8.989	17503	0.094 ng/ml
61)	Aroclor 1268 (5)	9.216	36160	0.525 ng/ml
62)	Aroclor 1268 (6)	9.494	24455	0.053 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

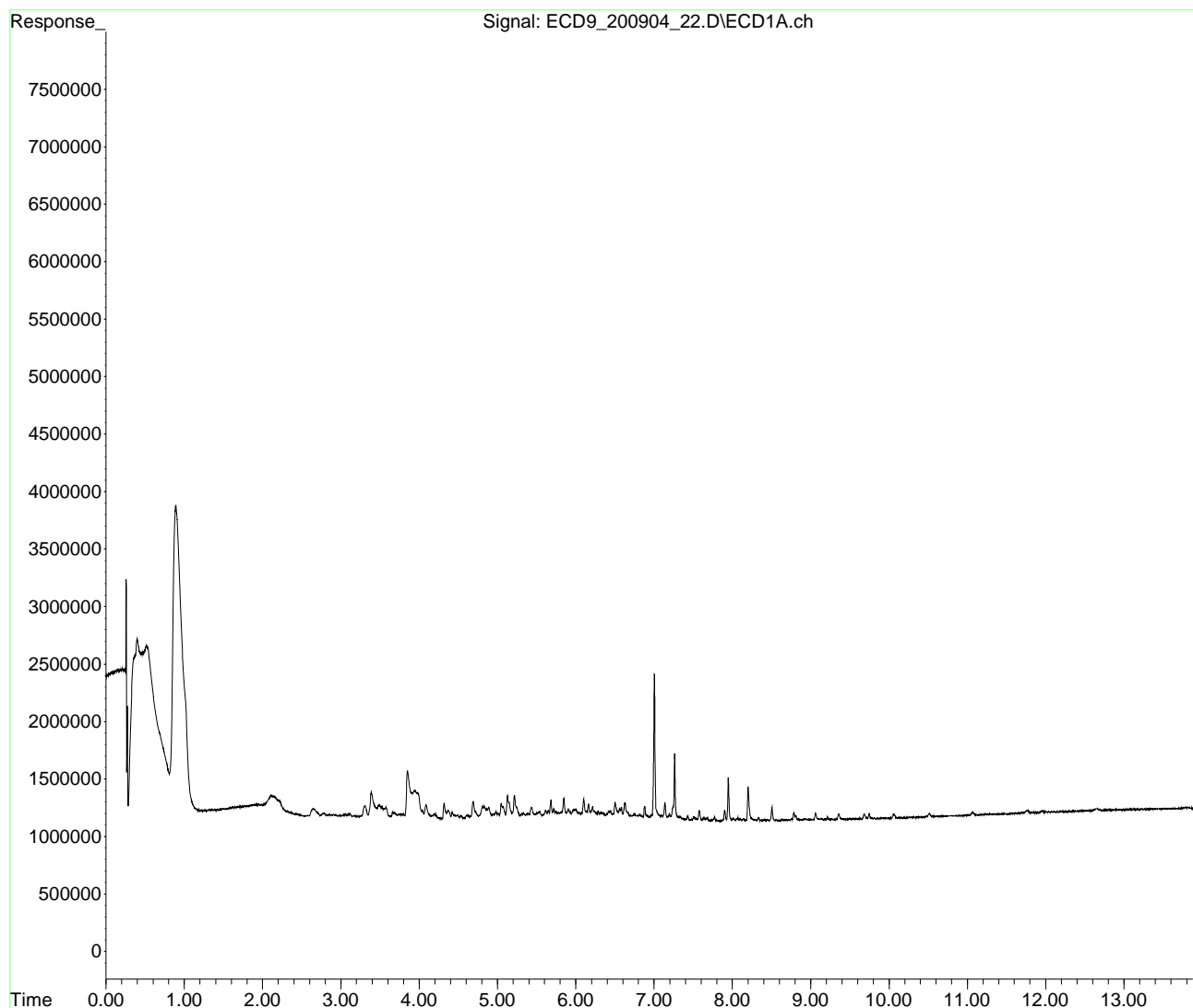
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_22.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 07:00 pm
Operator :
Sample : 0I04008-IBL1
Misc : 1x
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:59:09 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_24.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:18 pm
 Operator :
 Sample : 0I04008-ICV1
 Misc : 1x
 ALS Vial : 10 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:13 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	258226364	191.803 ng/ml
64) S DCBP (S)	9.746	170661736	179.622 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	24412183	448.678 ng/ml
3) Aroclor 1016 (2)	6.232	42075423	463.487 ng/ml
4) Aroclor 1016 (3)	6.314	25002960	445.565 ng/ml
5) Aroclor 1016 (4)	6.474	20280322	433.099 ng/ml
6) Aroclor 1016 (5)	6.698	23963434	435.322 ng/ml
7) Aroclor 1016 (6)	6.825	16166278	425.142 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	6704202	422.627 ng/ml
10) Aroclor 1221 (2)	5.370	2846879	266.999 ng/ml
11) Aroclor 1221 (3)	5.451	12875534	378.438 ng/ml
12) Aroclor 1221 (4)	5.923	2267518	387.537 ng/ml
13) Aroclor 1221 (5)	6.232	42075423	6562.642 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.451	12875534	452.991 ng/ml
16) Aroclor 1232 (2)	6.232	42075423	1247.893 ng/ml
17) Aroclor 1232 (3)	6.314	25002960	1197.666 ng/ml
18) Aroclor 1232 (4)	6.474	20280322	1440.758 ng/ml
19) Aroclor 1232 (5)	6.698	23963434	1303.762 ng/ml
20) Aroclor 1232 (6)	6.825	16166278	1113.257 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.816	24412183	659.922 ng/ml
23) Aroclor 1242 (2)	6.232	42075423	660.153 ng/ml
24) Aroclor 1242 (3)	6.314	25002960	666.643 ng/ml
25) Aroclor 1242 (4)	6.474	20280322	678.580 ng/ml
26) Aroclor 1242 (5)	6.698	23963434	640.954 ng/ml

441.882

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_24.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:18 pm
 Operator :
 Sample : 0I04008-ICV1
 Misc : 1x
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:13 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.825	16166278	529.565 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.220	37171514	938.834 ng/ml
30) Aroclor 1248 (2)	6.474	20280322	370.916 ng/ml
31) Aroclor 1248 (3)	6.698	23963434	369.074 ng/ml
32) Aroclor 1248 (4)	6.994	4367706	63.282 ng/ml
33) Aroclor 1248 (5)	7.029	18475143	249.655 ng/ml
34) Aroclor 1248 (6)	7.524	34978551	899.562 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.029	18475143	253.829 ng/ml
37) Aroclor 1254 (2)	7.140	19157536	234.808 ng/ml
38) Aroclor 1254 (3)	7.524	34978551	296.225 ng/ml
39) Aroclor 1254 (4)	7.682	3918830	51.454 ng/ml
40) Aroclor 1254 (5)	8.068	48280173	615.223 ng/ml
41) Aroclor 1254 (6)	8.366	5388239	208.914 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.636	49218166	499.061 ng/ml
44) Aroclor 1260 (2)	7.770	60014738	507.509 ng/ml
45) Aroclor 1260 (3)	8.335	37924907	428.944 ng/ml
46) Aroclor 1260 (4)	8.506	82979891	438.050 ng/ml
47) Aroclor 1260 (5)	8.811	54727248	442.708 ng/ml
48) Aroclor 1260 (6)	9.217	18019042	350.511 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.770	60014738	710.240 ng/ml
51) Aroclor 1262 (2)	8.100	36935421	305.656 ng/ml
52) Aroclor 1262 (3)	8.335	37924907	385.094 ng/ml
53) Aroclor 1262 (4)	8.506	82979891	414.247 ng/ml
54) Aroclor 1262 (5)	8.811	54727248	473.422 ng/ml
55) Aroclor 1262 (6)	9.217	18019042	297.653 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.335	37924907	693.723 ng/ml

444.464

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_24.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:18 pm
 Operator :
 Sample : 0I04008-ICV1
 Misc : 1x
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:13 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	16753277	69.385 ng/ml
59)	Aroclor 1268 (3)	8.811	54727248	283.891 ng/ml
60)	Aroclor 1268 (4)	8.992	4882508	26.283 ng/ml
61)	Aroclor 1268 (5)	9.217	18019042	261.576 ng/ml
62)	Aroclor 1268 (6)	9.492	10925567	23.518 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

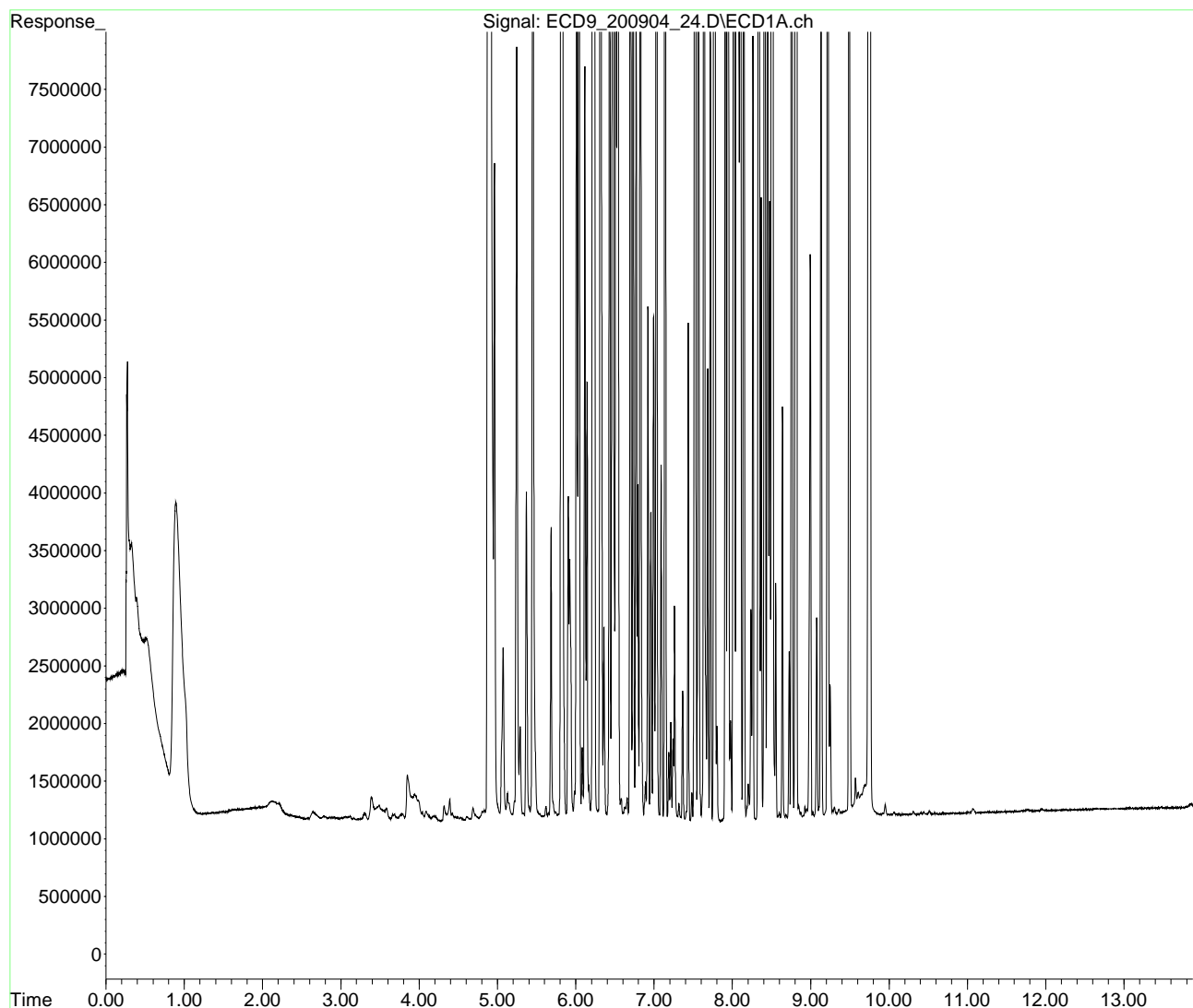
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_24.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 07:18 pm
Operator :
Sample : 0I04008-ICV1
Misc : 1x
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:59:13 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_40.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:41 pm
 Operator :
 Sample : 0I04008-ICV2
 Misc : 1x
 ALS Vial : 18 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:18 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	59113716	43.908 ng/ml
64) S DCBP (S)	9.744	83806537	88.206 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	6047081	111.141 ng/ml
3) Aroclor 1016 (2)	6.232	6536844	72.007 ng/ml
4) Aroclor 1016 (3)	6.314	4593281	81.855 ng/ml
5) Aroclor 1016 (4)	6.474	22088727	471.719 ng/ml
6) Aroclor 1016 (5)	6.698	14475637	262.966 ng/ml
7) Aroclor 1016 (6)	6.826	6627227	174.283 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.251	16330756	1029.476 ng/ml
10) Aroclor 1221 (2)	5.371	10611439	995.211 ng/ml
11) Aroclor 1221 (3)	5.452	34409359	1011.361 ng/ml
12) Aroclor 1221 (4)	5.923	5553215	949.089 ng/ml
13) Aroclor 1221 (5)	6.232	6536844	1019.573 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	34409359	1210.602 ng/ml
16) Aroclor 1232 (2)	6.232	6536844	193.873 ng/ml
17) Aroclor 1232 (3)	6.314	4593281	220.023 ng/ml
18) Aroclor 1232 (4)	6.474	22088727	1569.231 ng/ml
19) Aroclor 1232 (5)	6.698	14475637	787.566 ng/ml
20) Aroclor 1232 (6)	6.826	6627227	456.370 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	6047081	163.468 ng/ml
23) Aroclor 1242 (2)	6.232	6536844	102.561 ng/ml
24) Aroclor 1242 (3)	6.314	4593281	122.469 ng/ml
25) Aroclor 1242 (4)	6.474	22088727	739.089 ng/ml
26) Aroclor 1242 (5)	6.698	14475637	387.183 ng/ml

1000.942

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_40.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:41 pm
 Operator :
 Sample : 0I04008-ICV2
 Misc : 1x
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:18 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.826	6627227	217.091	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.219	5781785	146.029	ng/ml
30)	Aroclor 1248 (2)	6.474	22088727	403.991	ng/ml
31)	Aroclor 1248 (3)	6.698	14475637	222.947	ng/ml
32)	Aroclor 1248 (4)	6.994	20307528	294.226	ng/ml
33)	Aroclor 1248 (5)	7.030	40293391	544.485	ng/ml
34)	Aroclor 1248 (6)	7.516	62454572	1606.177	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.030	40293391	553.589	ng/ml
37)	Aroclor 1254 (2)	7.140	43351536	531.346	ng/ml
38)	Aroclor 1254 (3)	7.516	62454572	528.914	ng/ml
39)	Aroclor 1254 (4)	7.682	40431788	530.871	ng/ml
40)	Aroclor 1254 (5)	8.069	41969697	534.810	ng/ml
41)	Aroclor 1254 (6)	8.365	13458043	521.799	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.637	25309131	256.629	ng/ml
44)	Aroclor 1260 (2)	7.770	27185437	229.891	ng/ml
45)	Aroclor 1260 (3)	8.335	4007110	45.322	ng/ml
46)	Aroclor 1260 (4)	8.505	9063916	47.848	ng/ml
47)	Aroclor 1260 (5)	8.809	7518376	60.819	ng/ml
48)	Aroclor 1260 (6)	9.217	636093	12.373	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.770	27185437	321.724	ng/ml
51)	Aroclor 1262 (2)	8.099	2978997	24.652	ng/ml
52)	Aroclor 1262 (3)	8.335	4007110	40.689	ng/ml
53)	Aroclor 1262 (4)	8.505	9063916	45.248	ng/ml
54)	Aroclor 1262 (5)	8.809	7518376	65.038	ng/ml
55)	Aroclor 1262 (6)	9.217	636093	10.508	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.335	4007110	73.298	ng/ml

533.555

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_40.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:41 pm
 Operator :
 Sample : 0I04008-ICV2
 Misc : 1x
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:18 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	536401	2.222 ng/ml
59)	Aroclor 1268 (3)	8.809	7518376	39.001 ng/ml
60)	Aroclor 1268 (4)	8.991	665815	3.584 ng/ml
61)	Aroclor 1268 (5)	9.217	636093	9.234 ng/ml
62)	Aroclor 1268 (6)	9.492	534033	1.150 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

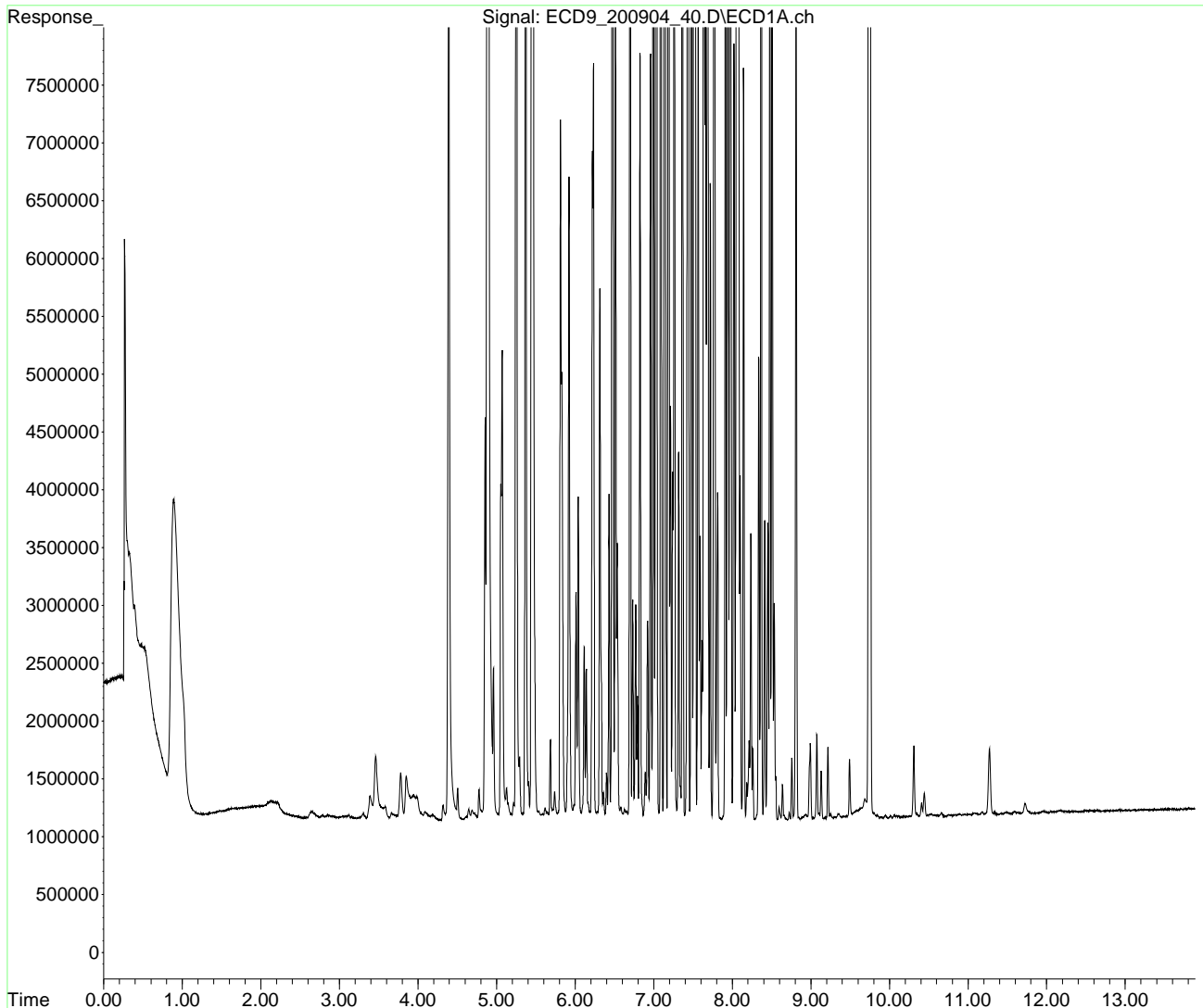
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_40.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 09:41 pm
Operator :
Sample : 0I04008-ICV2
Misc : 1x
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:59:18 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_42.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:59 pm
 Operator :
 Sample : 0I04008-ICV3
 Misc : 1x
 ALS Vial : 19 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:23 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	58562121	43.498 ng/ml
64) S DCBP (S)	9.745	88051553	92.674 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	11324573	208.137 ng/ml
3) Aroclor 1016 (2)	6.232	18631466	205.237 ng/ml
4) Aroclor 1016 (3)	6.314	11221836	199.979 ng/ml
5) Aroclor 1016 (4)	6.474	8213550	175.406 ng/ml
6) Aroclor 1016 (5)	6.698	10486841	190.505 ng/ml
7) Aroclor 1016 (6)	6.826	7951521	209.110 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.251	5520280	347.993 ng/ml
10) Aroclor 1221 (2)	5.370	4107548	385.233 ng/ml
11) Aroclor 1221 (3)	5.451	14308489	420.555 ng/ml
12) Aroclor 1221 (4)	5.923	2526819	431.854 ng/ml
13) Aroclor 1221 (5)	6.232	18631466	2906.011 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.451	14308489	503.406 ng/ml
16) Aroclor 1232 (2)	6.232	18631466	552.581 ng/ml
17) Aroclor 1232 (3)	6.314	11221836	537.537 ng/ml
18) Aroclor 1232 (4)	6.474	8213550	583.508 ng/ml
19) Aroclor 1232 (5)	6.698	10486841	570.550 ng/ml
20) Aroclor 1232 (6)	6.826	7951521	547.565 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	11324573	306.131 ng/ml
23) Aroclor 1242 (2)	6.232	18631466	292.323 ng/ml
24) Aroclor 1242 (3)	6.314	11221836	299.203 ng/ml
25) Aroclor 1242 (4)	6.474	8213550	274.825 ng/ml
26) Aroclor 1242 (5)	6.698	10486841	280.493 ng/ml

549.191

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_42.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:59 pm
 Operator :
 Sample : 0I04008-ICV3
 Misc : 1x
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:23 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.826	7951521	260.471 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.219	15854759	400.441 ng/ml
30) Aroclor 1248 (2)	6.474	8213550	150.221 ng/ml
31) Aroclor 1248 (3)	6.698	10486841	161.514 ng/ml
32) Aroclor 1248 (4)	6.994	10306649	149.328 ng/ml
33) Aroclor 1248 (5)	7.032	15021928	202.992 ng/ml
34) Aroclor 1248 (6)	7.524	30689435	789.256 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.032	15021928	206.386 ng/ml
37) Aroclor 1254 (2)	7.139	8528141	104.527 ng/ml
38) Aroclor 1254 (3)	7.524	30689435	259.902 ng/ml
39) Aroclor 1254 (4)	7.682	3294148	43.252 ng/ml
40) Aroclor 1254 (5)	8.068	20853081	265.726 ng/ml
41) Aroclor 1254 (6)	8.365	1434096	55.603 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.636	36281927	367.890 ng/ml
44) Aroclor 1260 (2)	7.770	44583035	377.012 ng/ml
45) Aroclor 1260 (3)	8.335	51114797	578.127 ng/ml
46) Aroclor 1260 (4)	8.506	99755229	526.606 ng/ml
47) Aroclor 1260 (5)	8.809	58042786	469.528 ng/ml
48) Aroclor 1260 (6)	9.217	32055969	623.560 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.770	44583035	527.615 ng/ml
51) Aroclor 1262 (2)	8.099	59917078	495.839 ng/ml
52) Aroclor 1262 (3)	8.335	51114797	519.026 ng/ml
53) Aroclor 1262 (4)	8.506	99755229	497.991 ng/ml
54) Aroclor 1262 (5)	8.809	58042786	502.103 ng/ml
55) Aroclor 1262 (6)	9.217	32055969	529.527 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.335	51114797	934.993 ng/ml

512.017

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_42.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:59 pm
 Operator :
 Sample : 0I04008-ICV3
 Misc : 1x
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:23 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	41184123	170.567 ng/ml
59)	Aroclor 1268 (3)	8.809	58042786	301.090 ng/ml
60)	Aroclor 1268 (4)	8.992	3259170	17.544 ng/ml
61)	Aroclor 1268 (5)	9.217	32055969	465.344 ng/ml
62)	Aroclor 1268 (6)	9.492	10422744	22.435 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

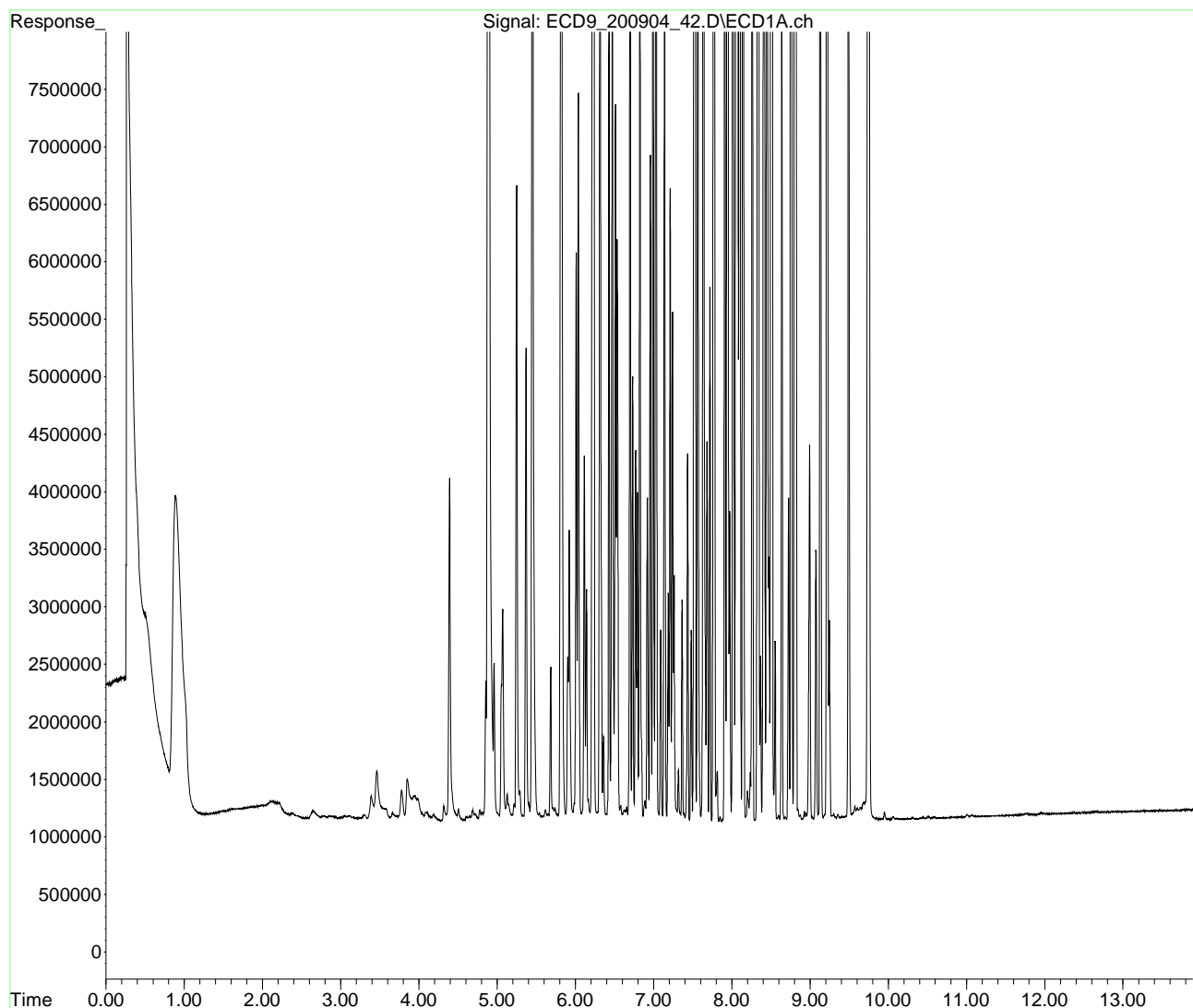
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_42.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 09:59 pm
Operator :
Sample : 0I04008-ICV3
Misc : 1x
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:59:23 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_44.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 10:17 pm
 Operator :
 Sample : 0I04008-ICV4
 Misc : 1x
 ALS Vial : 20 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:28 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	62457854	46.392 ng/ml
64) S DCBP (S)	9.745	43485519	45.769 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	20267298	372.498 ng/ml
3) Aroclor 1016 (2)	6.232	35457049	390.581 ng/ml
4) Aroclor 1016 (3)	6.313	20477087	364.912 ng/ml
5) Aroclor 1016 (4)	6.473	15863287	338.771 ng/ml
6) Aroclor 1016 (5)	6.698	20862058	378.982 ng/ml
7) Aroclor 1016 (6)	6.825	15855410	416.967 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.251	2428662	153.101 ng/ml
10) Aroclor 1221 (2)	5.370	2628736	246.540 ng/ml
11) Aroclor 1221 (3)	5.451	11253161	330.753 ng/ml
12) Aroclor 1221 (4)	5.923	2006527	342.932 ng/ml
13) Aroclor 1221 (5)	6.232	35457049	5530.352 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.451	11253161	395.913 ng/ml
16) Aroclor 1232 (2)	6.232	35457049	1051.602 ng/ml
17) Aroclor 1232 (3)	6.313	20477087	980.872 ng/ml
18) Aroclor 1232 (4)	6.473	15863287	1126.962 ng/ml
19) Aroclor 1232 (5)	6.698	20862058	1135.027 ng/ml
20) Aroclor 1232 (6)	6.825	15855410	1091.850 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	20267298	547.875 ng/ml
23) Aroclor 1242 (2)	6.232	35457049	556.312 ng/ml
24) Aroclor 1242 (3)	6.313	20477087	545.972 ng/ml
25) Aroclor 1242 (4)	6.473	15863287	530.786 ng/ml
26) Aroclor 1242 (5)	6.698	20862058	558.001 ng/ml

543.055

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_44.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 10:17 pm
 Operator :
 Sample : 0I04008-ICV4
 Misc : 1x
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:28 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.825	15855410	519.382 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.219	29927537	755.874 ng/ml
30)	Aroclor 1248 (2)	6.473	15863287	290.131 ng/ml
31)	Aroclor 1248 (3)	6.698	20862058	321.308 ng/ml
32)	Aroclor 1248 (4)	6.993	19556146	283.340 ng/ml
33)	Aroclor 1248 (5)	7.032	21382329	288.940 ng/ml
34)	Aroclor 1248 (6)	7.515	6302384	162.082 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.032	21382329	293.771 ng/ml
37)	Aroclor 1254 (2)	7.139	4623113	56.664 ng/ml
38)	Aroclor 1254 (3)	7.515	6302384	53.373 ng/ml
39)	Aroclor 1254 (4)	7.682	4426322	58.118 ng/ml
40)	Aroclor 1254 (5)	8.069	884245	11.268 ng/ml
41)	Aroclor 1254 (6)	8.365	371648	14.410 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.639	1102347	11.178 ng/ml
44)	Aroclor 1260 (2)	7.770	919268	7.774 ng/ml
45)	Aroclor 1260 (3)	8.328	29147051	329.664 ng/ml
46)	Aroclor 1260 (4)	8.506	13026620	68.767 ng/ml
47)	Aroclor 1260 (5)	8.805	100452975	812.599 ng/ml
48)	Aroclor 1260 (6)	9.217	37750681	734.335 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	919268	10.879 ng/ml
51)	Aroclor 1262 (2)	8.099	24546908	203.136 ng/ml
52)	Aroclor 1262 (3)	8.328	29147051	295.963 ng/ml
53)	Aroclor 1262 (4)	8.506	13026620	65.031 ng/ml
54)	Aroclor 1262 (5)	8.805	100452975	868.976 ng/ml
55)	Aroclor 1262 (6)	9.217	37750681	623.597 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.328	29147051	533.159 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_44.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 10:17 pm
 Operator :
 Sample : 0I04008-ICV4
 Misc : 1x
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:28 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units	
58)	Aroclor 1268 (2)	8.758	125629727	520.305 ng/ml	
59)	Aroclor 1268 (3)	8.805	100452975	521.088 ng/ml	
60)	Aroclor 1268 (4)	8.992	89729016	483.018 ng/ml	516.608
61)	Aroclor 1268 (5)	9.217	37750681	548.012 ng/ml	
62)	Aroclor 1268 (6)	9.493	229526592	494.067 ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml	

(f)=RT Delta > 1/2 Window

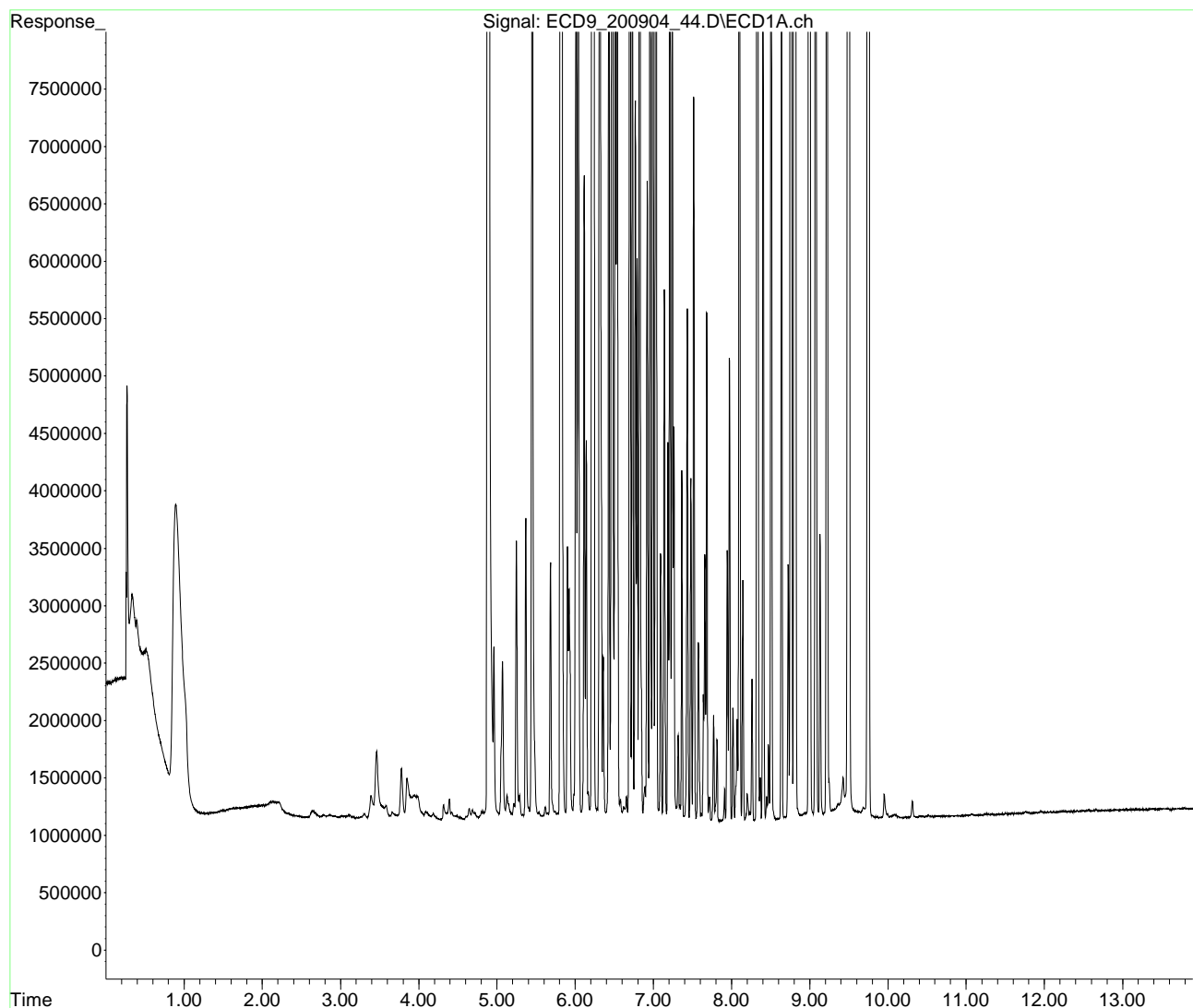
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_44.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 10:17 pm
Operator :
Sample : 0I04008-ICV4
Misc : 1x
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:59:28 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_46.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 10:35 pm
 Operator :
 Sample : 0I04008-ICV5
 Misc : 1x
 ALS Vial : 21 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:33 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.860	66786	0.050 ng/ml
64) S DCBP (S)	9.744	23784	0.025 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	10545147	193.812 ng/ml
3) Aroclor 1016 (2)	6.232	18930474	208.531 ng/ml
4) Aroclor 1016 (3)	6.314	11889903	211.884 ng/ml
5) Aroclor 1016 (4)	6.474	28132520	600.788 ng/ml
6) Aroclor 1016 (5)	6.698	32803016	595.903 ng/ml
7) Aroclor 1016 (6)	6.825	25056938	658.950 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.251	277279	17.479 ng/ml
10) Aroclor 1221 (2)	5.371	255752	23.986 ng/ml
11) Aroclor 1221 (3)	5.452	1394042	40.974 ng/ml
12) Aroclor 1221 (4)	5.904	797763	136.344 ng/ml
13) Aroclor 1221 (5)	6.232	18930474	2952.648 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	1394042	49.046 ng/ml
16) Aroclor 1232 (2)	6.232	18930474	561.449 ng/ml
17) Aroclor 1232 (3)	6.314	11889903	569.538 ng/ml
18) Aroclor 1232 (4)	6.474	28132520	1998.595 ng/ml
19) Aroclor 1232 (5)	6.698	32803016	1784.691 ng/ml
20) Aroclor 1232 (6)	6.825	25056938	1725.494 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	10545147	285.062 ng/ml
23) Aroclor 1242 (2)	6.232	18930474	297.014 ng/ml
24) Aroclor 1242 (3)	6.314	11889903	317.015 ng/ml
25) Aroclor 1242 (4)	6.474	28132520	941.314 ng/ml
26) Aroclor 1242 (5)	6.698	32803016	877.388 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_46.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 10:35 pm
 Operator :
 Sample : 0I04008-ICV5
 Misc : 1x
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:33 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.825	25056938	820.800 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.219	20047933	506.347 ng/ml
30) Aroclor 1248 (2)	6.474	28132520	514.529 ng/ml
31) Aroclor 1248 (3)	6.698	32803016	505.218 ng/ml
32) Aroclor 1248 (4)	6.994	36180640	524.204 ng/ml
33) Aroclor 1248 (5)	7.032	38938074	526.171 ng/ml
34) Aroclor 1248 (6)	7.515	19786879	508.869 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.032	38938074	534.968 ng/ml
37) Aroclor 1254 (2)	7.139	12625506	154.747 ng/ml
38) Aroclor 1254 (3)	7.515	19786879	167.571 ng/ml
39) Aroclor 1254 (4)	7.681	13441364	176.486 ng/ml
40) Aroclor 1254 (5)	8.068	3108829	39.615 ng/ml
41) Aroclor 1254 (6)	8.365	1239565	48.061 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.638	3048604	30.912 ng/ml
44) Aroclor 1260 (2)	7.769	1905205	16.111 ng/ml
45) Aroclor 1260 (3)	8.334	320451	3.624 ng/ml
46) Aroclor 1260 (4)	8.505	878643	4.638 ng/ml
47) Aroclor 1260 (5)	8.809	590907	4.780 ng/ml
48) Aroclor 1260 (6)	9.217	158784	3.089 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.769	1905205	22.547 ng/ml
51) Aroclor 1262 (2)	8.098	285959	2.366 ng/ml
52) Aroclor 1262 (3)	8.334	320451	3.254 ng/ml
53) Aroclor 1262 (4)	8.505	878643	4.386 ng/ml
54) Aroclor 1262 (5)	8.809	590907	5.112 ng/ml
55) Aroclor 1262 (6)	9.217	158784	2.623 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.334	320451	5.862 ng/ml

514.223

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_46.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 10:35 pm
 Operator :
 Sample : 0I04008-ICV5
 Misc : 1x
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:59:33 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	171914	0.712 ng/ml
59)	Aroclor 1268 (3)	8.809	590907	3.065 ng/ml
60)	Aroclor 1268 (4)	8.989	29315	0.158 ng/ml
61)	Aroclor 1268 (5)	9.217	158784	2.305 ng/ml
62)	Aroclor 1268 (6)	9.491	63211	0.136 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

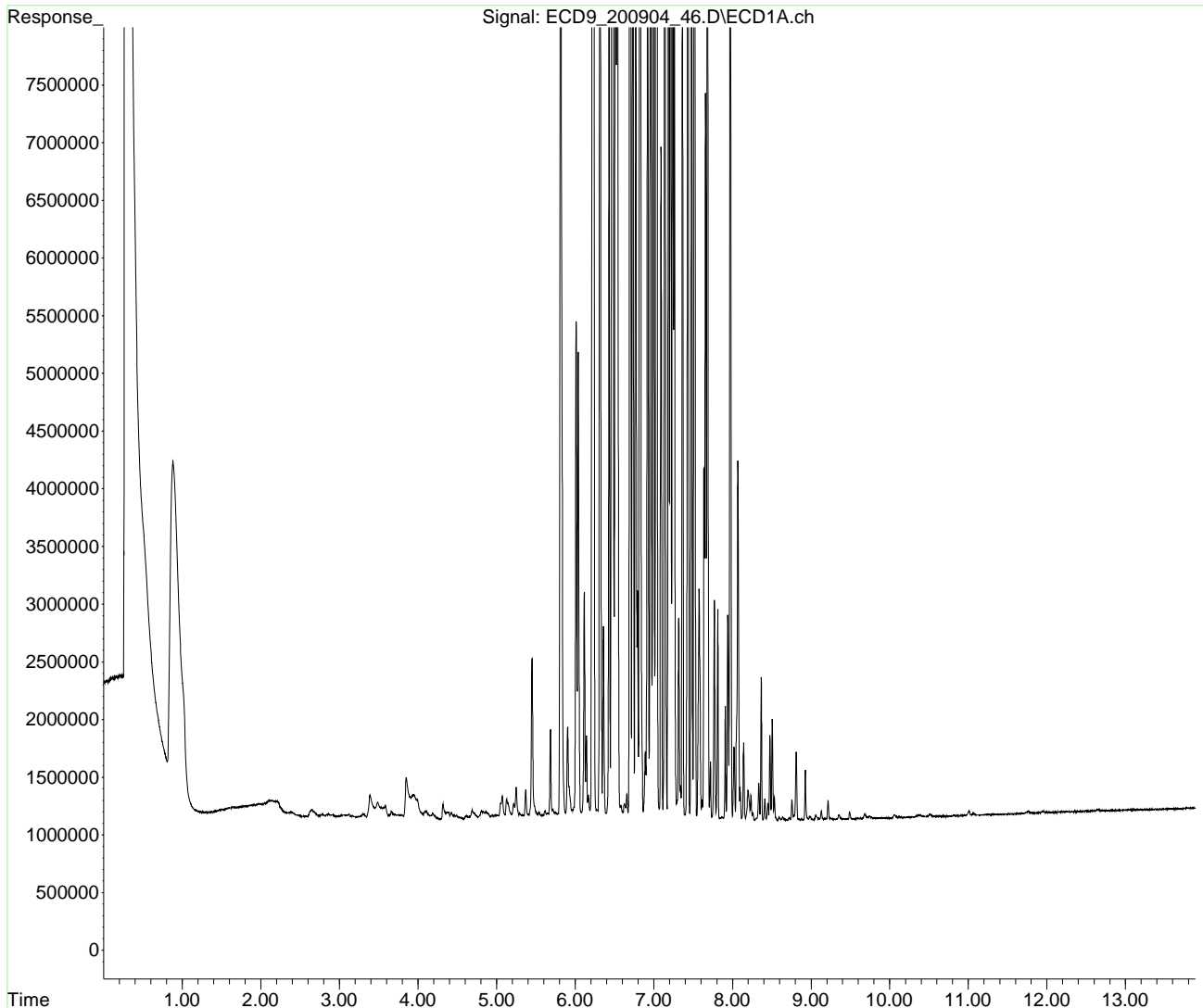
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_46.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 10:35 pm
Operator :
Sample : 0I04008-ICV5
Misc : 1x
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:59:33 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_08.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:55 pm
 Operator :
 Sample : 0I04008-CAL1
 Misc : 1x
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:49:36 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.890	13856735	10.292 ng/ml	
64) S DCBP (S)	9.746	10319144	10.861 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	5.817	1372587	25.227 ng/ml	
3) Aroclor 1016 (2)	6.233	2162859	23.825 ng/ml	
4) Aroclor 1016 (3)	6.315	1418625	25.281 ng/ml	✓
5) Aroclor 1016 (4)	6.475	1214769	25.942 ng/ml	
6) Aroclor 1016 (5)	6.699	1379805	25.066 ng/ml	
7) Aroclor 1016 (6)	6.826	965808	25.399 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_08.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:55 pm
 Operator :
 Sample : 0I04008-CAL1
 Misc : 1x
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:49:36 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	2347886	23.807	ng/ml
44)	Aroclor 1260 (2)	7.770	2841169	24.026	ng/ml
45)	Aroclor 1260 (3)	8.335	2148666	24.302	ng/ml
46)	Aroclor 1260 (4)	8.506	4306352	22.733	ng/ml
47)	Aroclor 1260 (5)	8.810	2887730	23.360	ng/ml
48)	Aroclor 1260 (6)	9.217	1284578	24.988	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_08.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:55 pm
 Operator :
 Sample : 0I04008-CAL1
 Misc : 1x
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:49:36 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

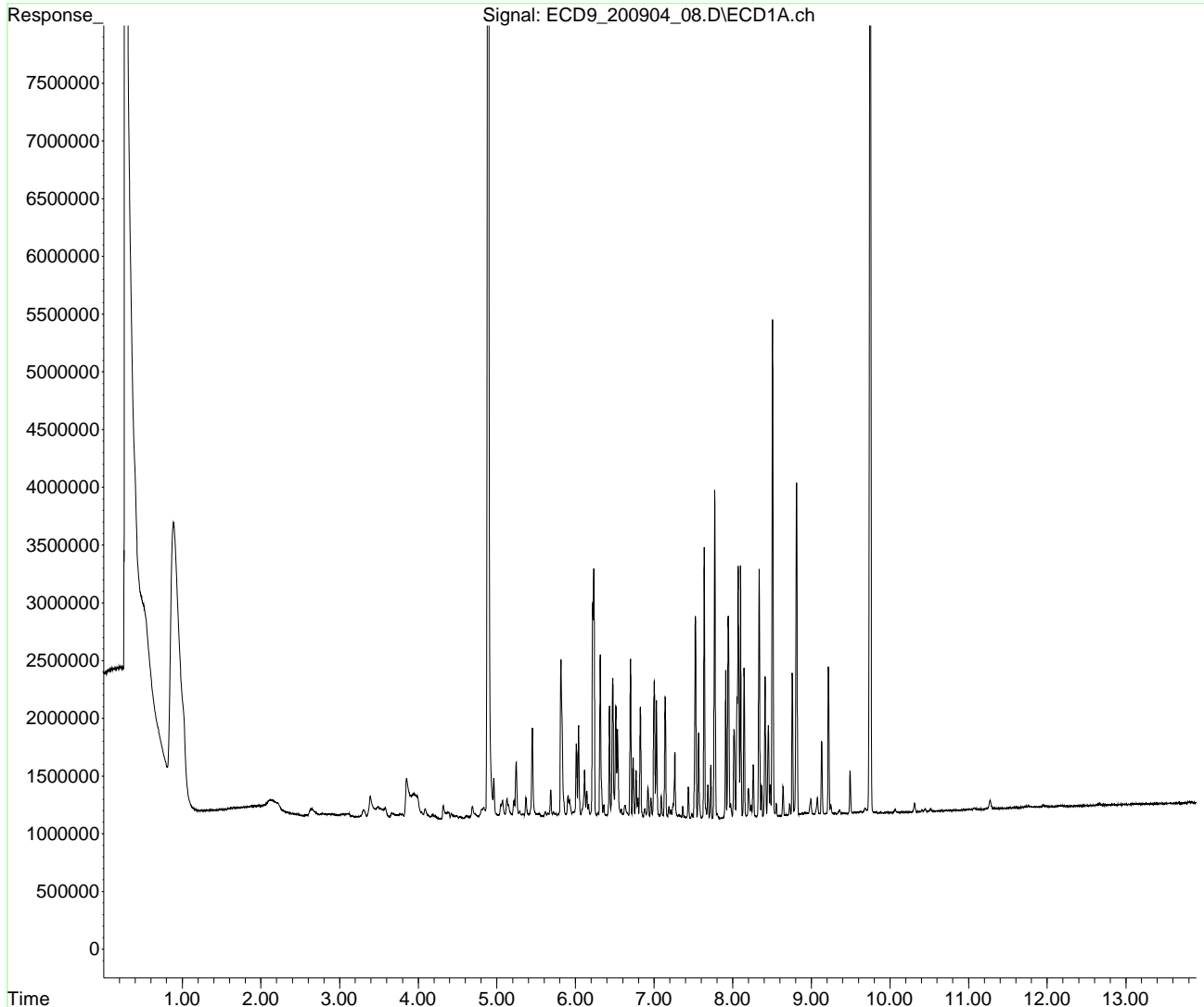
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
Data File : ECD9_200904_08.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 04:55 pm
Operator :
Sample : 0I04008-CAL1
Misc : 1x
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:49:36 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_10.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:13 pm
 Operator :
 Sample : 0I04008-CAL2
 Misc : 1x
 ALS Vial : 4 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:50:23 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.890	34169352	25.380 ng/ml	
64) S DCBP (S)	9.747	24064050	25.327 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	5.817	2921422	53.694 ng/ml	
3) Aroclor 1016 (2)	6.234	4696734	51.737 ng/ml	
4) Aroclor 1016 (3)	6.315	3096284	55.177 ng/ml	✓
5) Aroclor 1016 (4)	6.475	2598074	55.484 ng/ml	
6) Aroclor 1016 (5)	6.699	2918999	53.027 ng/ml	
7) Aroclor 1016 (6)	6.827	2078324	54.656 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_10.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:13 pm
 Operator :
 Sample : 0I04008-CAL2
 Misc : 1x
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:50:23 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	5192857	52.654	ng/ml
44)	Aroclor 1260 (2)	7.771	6129492	51.834	ng/ml
45)	Aroclor 1260 (3)	8.336	4662757	52.737	ng/ml
46)	Aroclor 1260 (4)	8.507	9752510	51.483	ng/ml
47)	Aroclor 1260 (5)	8.811	6330104	51.206	ng/ml
48)	Aroclor 1260 (6)	9.218	2771544	53.913	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_10.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:13 pm
 Operator :
 Sample : 0I04008-CAL2
 Misc : 1x
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:50:23 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

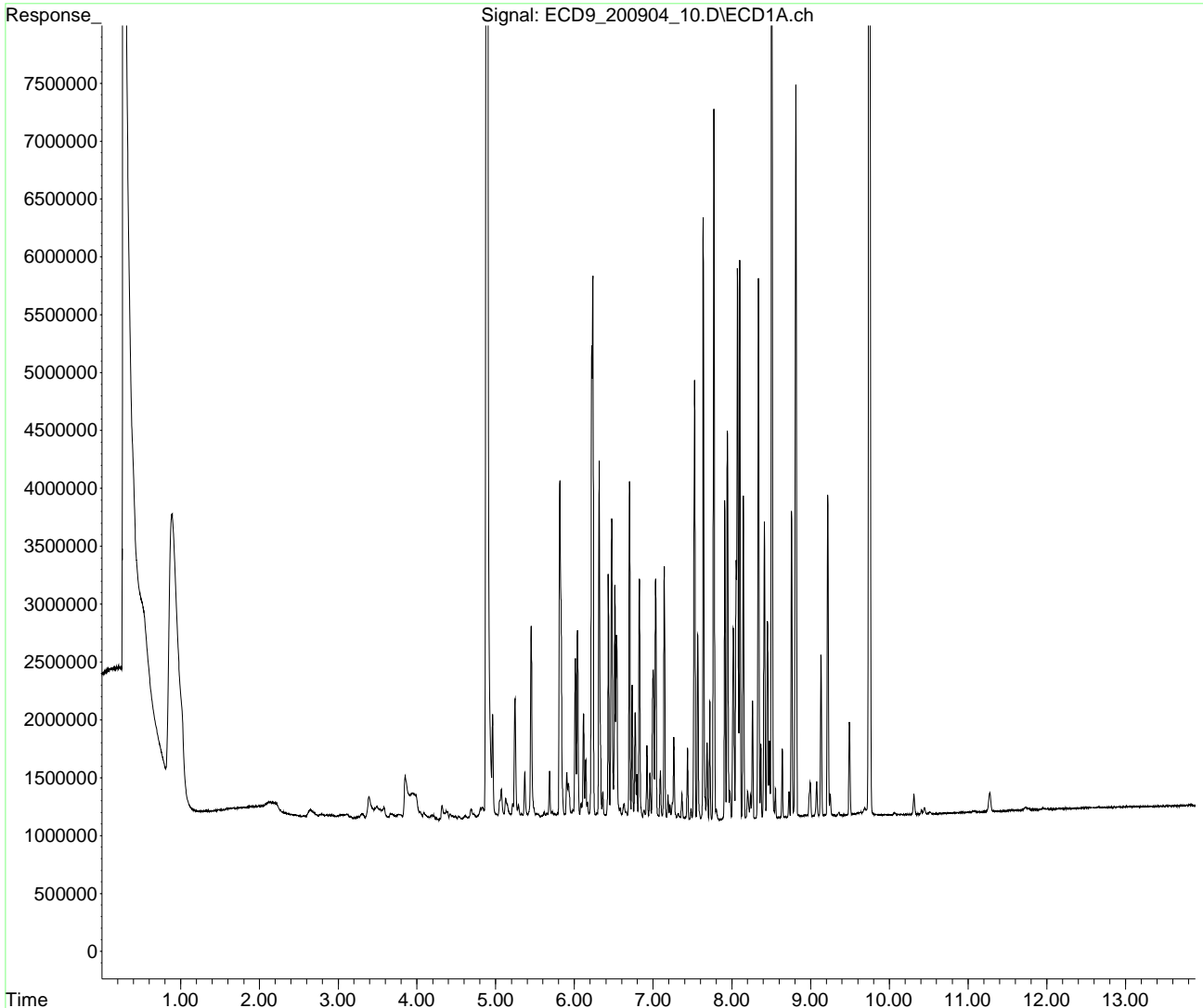
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
Data File : ECD9_200904_10.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 05:13 pm
Operator :
Sample : 0I04008-CAL2
Misc : 1x
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:50:23 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_12.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:31 pm
 Operator :
 Sample : 0I04008-CAL3
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:51:05 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.890	68593830	50.950 ng/ml	
64) S DCBP (S)	9.746	48350457	50.889 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	5.816	5582340	102.599 ng/ml	
3) Aroclor 1016 (2)	6.232	9277879	102.202 ng/ml	
4) Aroclor 1016 (3)	6.314	5627748	100.289 ng/ml	✓
5) Aroclor 1016 (4)	6.474	4683389	100.017 ng/ml	
6) Aroclor 1016 (5)	6.698	5416022	98.388 ng/ml	
7) Aroclor 1016 (6)	6.825	3808401	100.154 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_12.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:31 pm
 Operator :
 Sample : 0I04008-CAL3
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:51:05 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	9610997	97.453	ng/ml
44)	Aroclor 1260 (2)	7.770	11953522	101.084	ng/ml
45)	Aroclor 1260 (3)	8.335	8820889	99.767	ng/ml
46)	Aroclor 1260 (4)	8.506	18290043	96.553	ng/ml
47)	Aroclor 1260 (5)	8.810	12254049	99.127	ng/ml
48)	Aroclor 1260 (6)	9.217	5128964	99.770	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_12.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:31 pm
 Operator :
 Sample : 0I04008-CAL3
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:51:05 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

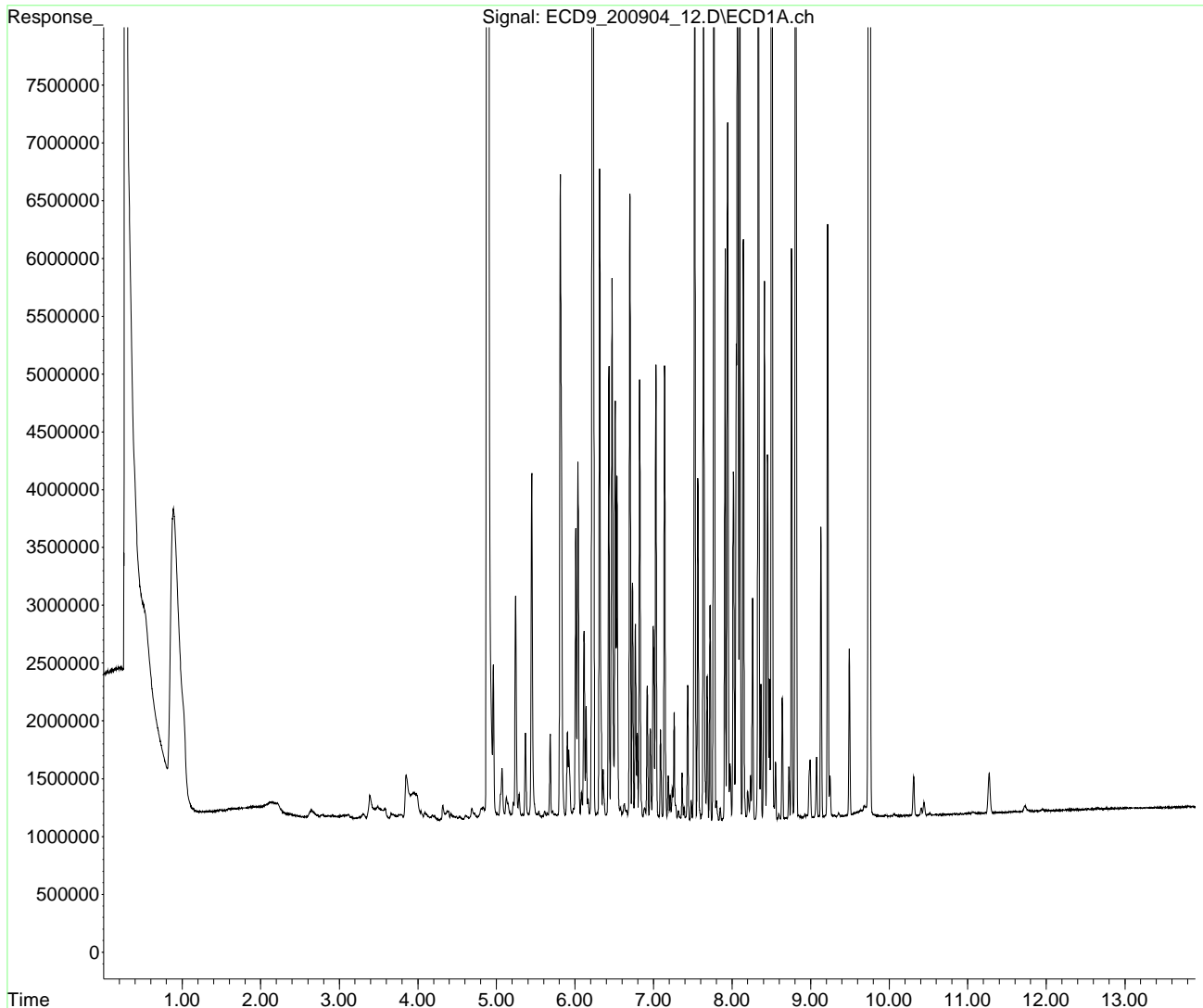
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
Data File : ECD9_200904_12.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 05:31 pm
Operator :
Sample : 0I04008-CAL3
Misc : 1x
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:51:05 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_14.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:49 pm
 Operator :
 Sample : 0I04008-CAL4
 Misc : 1x
 ALS Vial : 6 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:51:56 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.890	136488509	101.380 ng/ml	
64) S DCBP (S)	9.746	93227722	98.122 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	5.816	10476271	192.546 ng/ml	
3) Aroclor 1016 (2)	6.233	18039036	198.711 ng/ml	
4) Aroclor 1016 (3)	6.315	10638959	189.592 ng/ml	
5) Aroclor 1016 (4)	6.474	8996396	192.124 ng/ml	✓
6) Aroclor 1016 (5)	6.699	10689641	194.189 ng/ml	
7) Aroclor 1016 (6)	6.826	7519356	197.745 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_14.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:49 pm
 Operator :
 Sample : 0I04008-CAL4
 Misc : 1x
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:51:56 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	19624988	198.993	ng/ml
44)	Aroclor 1260 (2)	7.770	23930154	202.363	ng/ml
45)	Aroclor 1260 (3)	8.335	17248495	195.087	ng/ml
46)	Aroclor 1260 (4)	8.506	39180989	206.836	ng/ml
47)	Aroclor 1260 (5)	8.809	24209268	195.837	ng/ml
48)	Aroclor 1260 (6)	9.217	9854882	191.700	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_14.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:49 pm
 Operator :
 Sample : 0I04008-CAL4
 Misc : 1x
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:51:56 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

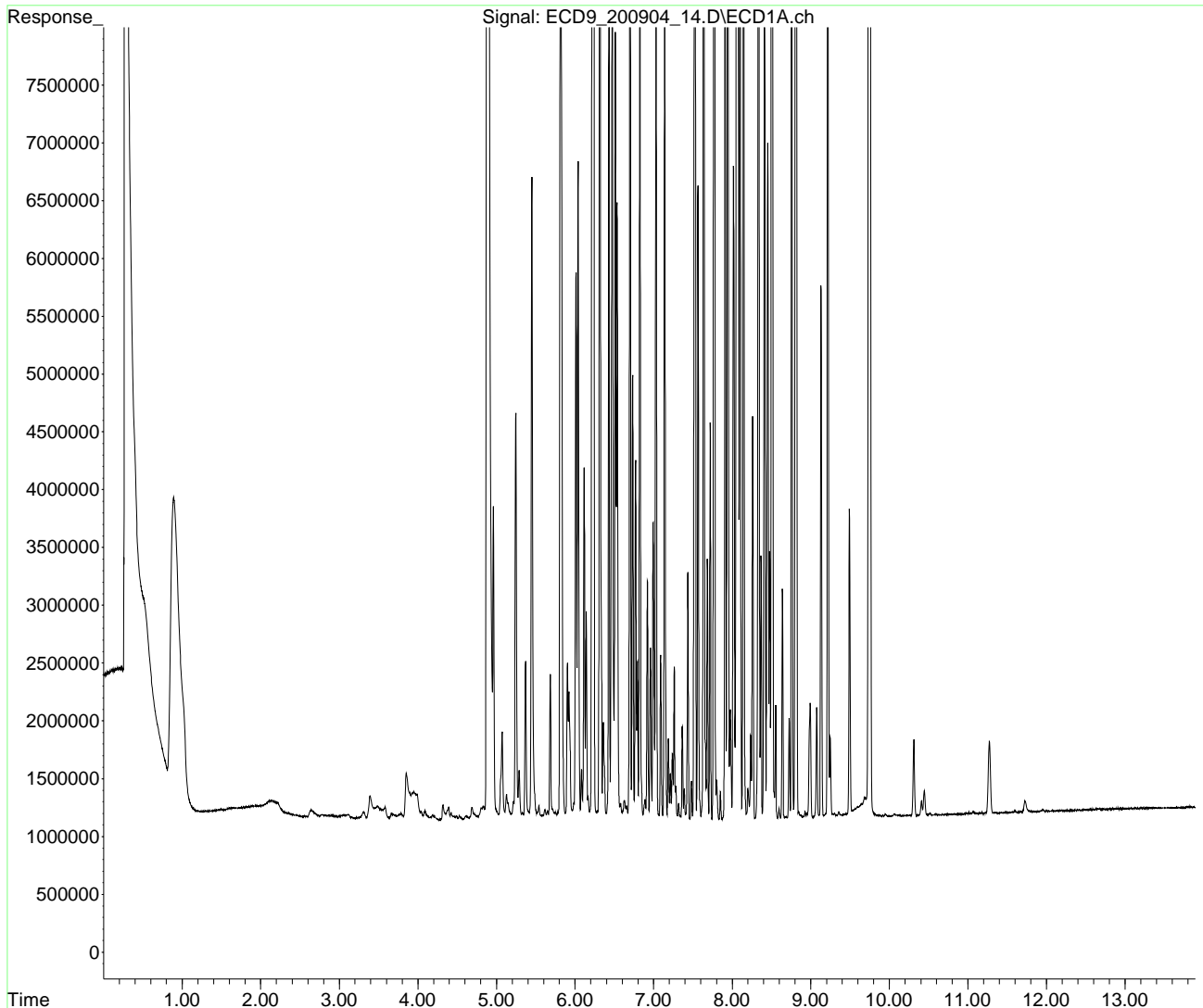
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
Data File : ECD9_200904_14.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 05:49 pm
Operator :
Sample : 0I04008-CAL4
Misc : 1x
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:51:56 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_16.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:07 pm
 Operator :
 Sample : 0I04008-CAL5
 Misc : 1x
 ALS Vial : 7 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:52:51 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.890	318169340	236.327 ng/ml	
64) S DCBP (S)	9.746	224575193	236.366 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	5.816	24538916	451.007 ng/ml	
3) Aroclor 1016 (2)	6.233	42458723	467.709 ng/ml	
4) Aroclor 1016 (3)	6.314	25264112	450.219 ng/ml	✓
5) Aroclor 1016 (4)	6.474	20735232	442.814 ng/ml	
6) Aroclor 1016 (5)	6.698	25647042	465.907 ng/ml	
7) Aroclor 1016 (6)	6.826	16730033	439.968 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_16.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:07 pm
 Operator :
 Sample : 0I04008-CAL5
 Misc : 1x
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:52:51 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	47131939	477.907	ng/ml
44)	Aroclor 1260 (2)	7.771	53184867	449.753	ng/ml
45)	Aroclor 1260 (3)	8.335	41541181	469.846	ng/ml
46)	Aroclor 1260 (4)	8.506	89526292	472.608	ng/ml
47)	Aroclor 1260 (5)	8.809	58048738	469.576	ng/ml
48)	Aroclor 1260 (6)	9.217	24230361	471.335	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_16.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:07 pm
 Operator :
 Sample : 0I04008-CAL5
 Misc : 1x
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:52:51 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

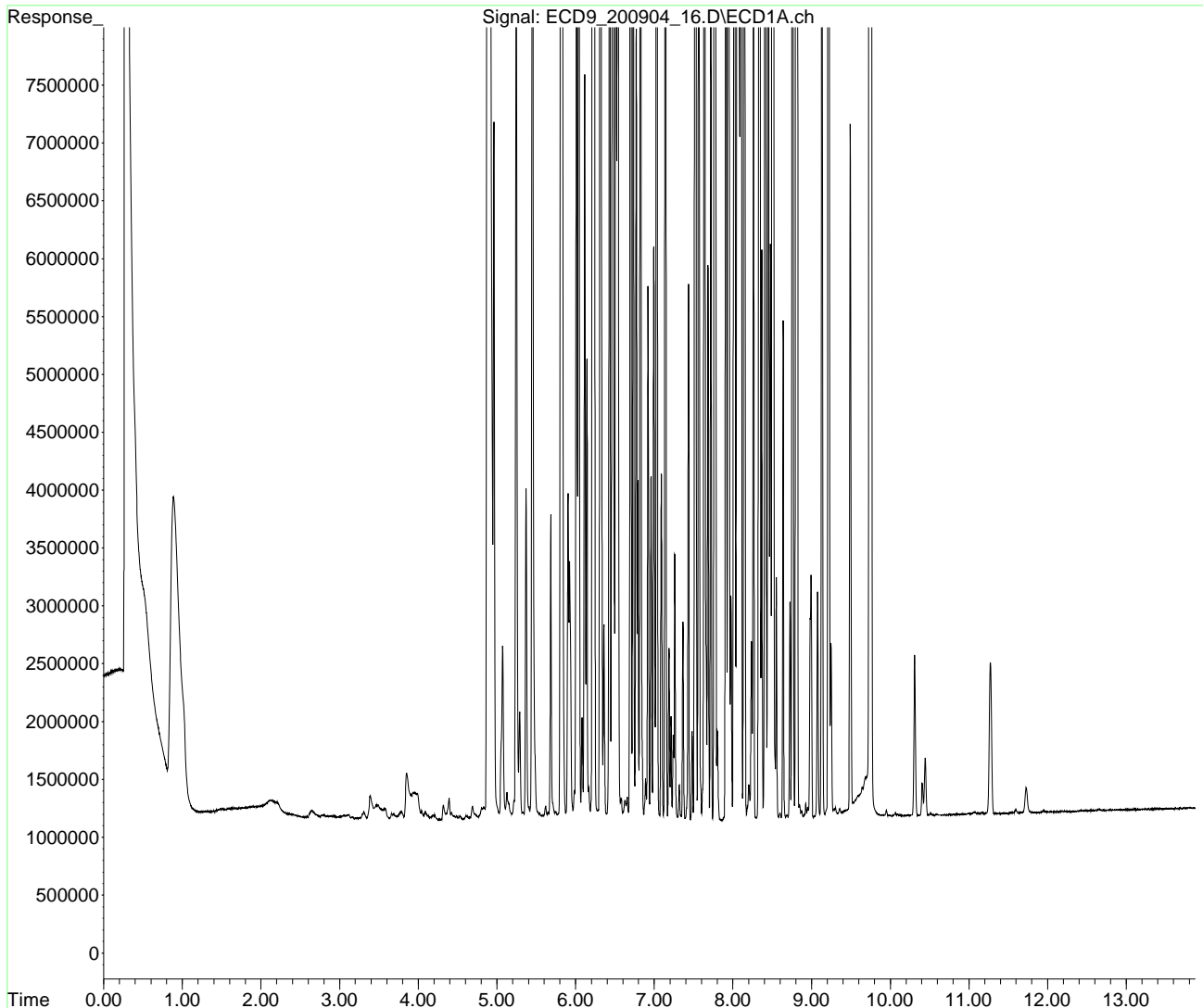
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
Data File : ECD9_200904_16.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 06:07 pm
Operator :
Sample : 0I04008-CAL5
Misc : 1x
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:52:51 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_18.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:25 pm
 Operator :
 Sample : 0I04008-CAL6
 Misc : 1x
 ALS Vial : 8 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:53:41 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.891	667514850	495.812 ng/ml	
64) S DCBP (S)	9.746	465237469	489.663 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	5.816	47367286	870.575 ng/ml	
3) Aroclor 1016 (2)	6.233	82198155	905.464 ng/ml	
4) Aroclor 1016 (3)	6.315	49856336	888.465 ng/ml	✓
5) Aroclor 1016 (4)	6.474	40188622	858.254 ng/ml	
6) Aroclor 1016 (5)	6.698	50529930	917.932 ng/ml	
7) Aroclor 1016 (6)	6.826	33300722	875.746 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_18.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:25 pm
 Operator :
 Sample : 0I04008-CAL6
 Misc : 1x
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:53:41 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43) Aroclor 1260 (1)	7.637	89715715	909.696	ng/ml
44) Aroclor 1260 (2)	7.770	109009410	921.828	ng/ml
45) Aroclor 1260 (3)	8.335	79958155	904.356	ng/ml
46) Aroclor 1260 (4)	8.506	174070267	918.914	ng/ml
47) Aroclor 1260 (5)	8.811	119448784	966.263	ng/ml
48) Aroclor 1260 (6)	9.217	45111230	877.514	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_18.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:25 pm
 Operator :
 Sample : 0I04008-CAL6
 Misc : 1x
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:53:41 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

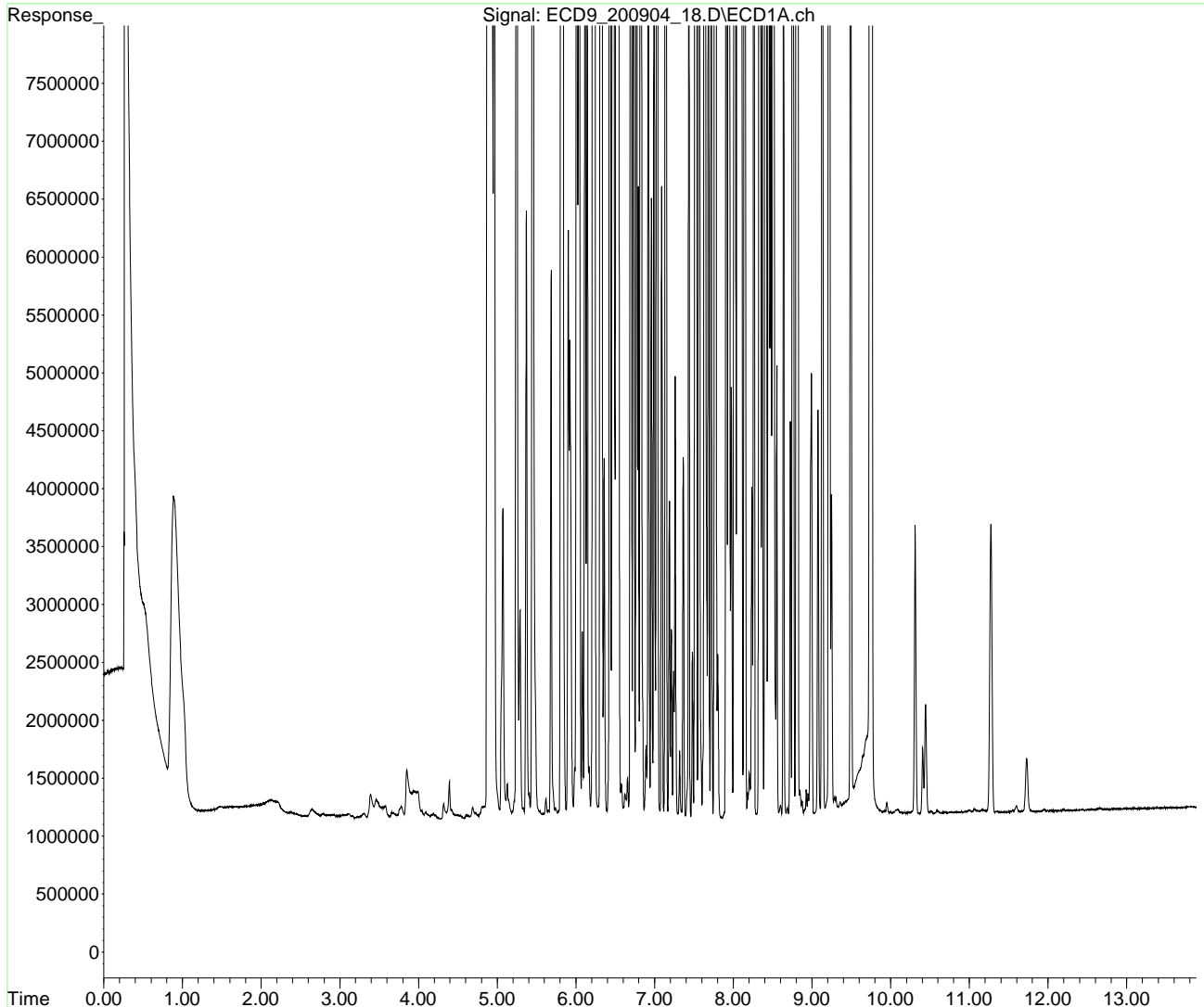
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
Data File : ECD9_200904_18.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 06:25 pm
Operator :
Sample : 0I04008-CAL6
Misc : 1x
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:53:41 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_20.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:42 pm
 Operator :
 Sample : 0I04008-CAL7
 Misc : 1x
 ALS Vial : 9 Sample Multiplier: 1

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Integration File: PCB1.e
 Quant Time: Sep 08 16:48:46 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units	

System Monitoring Compounds					
1) S TCMX (S)	4.890	1061787202	788.666	ng/ml	
64) S DCBP (S)	9.746	742630977	781.620	ng/ml	✓
Target Compounds					
2) Aroclor 1016 (1)	5.816	73735004	1355.194	ng/ml	
3) Aroclor 1016 (2)	6.233	124940807	1376.301	ng/ml	
4) Aroclor 1016 (3)	6.315	75138585	1339.007	ng/ml	
5) Aroclor 1016 (4)	6.474	62411033	1332.828	ng/ml	✓
6) Aroclor 1016 (5)	6.698	72795590	1322.412	ng/ml	
7) Aroclor 1016 (6)	6.826	50820711	1336.488	ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_20.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:42 pm
 Operator :
 Sample : 0I04008-CAL7
 Misc : 1x
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:48:46 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43) Aroclor 1260 (1)	7.637	136328289	1382.336	ng/ml
44) Aroclor 1260 (2)	7.771	162841300	1377.053	ng/ml
45) Aroclor 1260 (3)	8.335	121081743	1369.478	ng/ml
46) Aroclor 1260 (4)	8.506	275575028	1454.756	ng/ml
47) Aroclor 1260 (5)	8.810	172820877	1398.008	ng/ml
48) Aroclor 1260 (6)	9.217	69089871	1343.953	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
 Data File : ECD9_200904_20.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:42 pm
 Operator :
 Sample : 0I04008-CAL7
 Misc : 1x
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:48:46 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

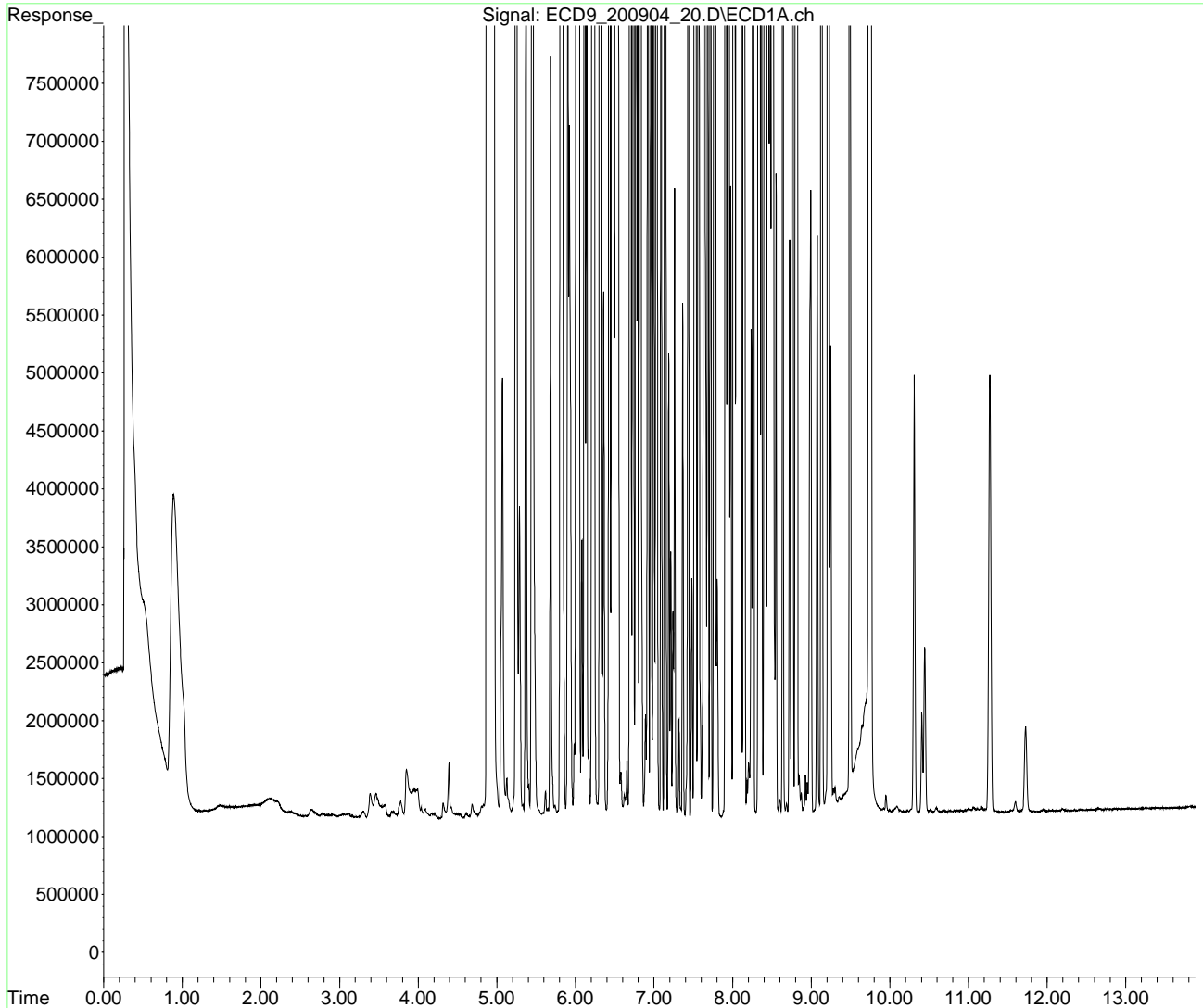
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\Requant\
Data File : ECD9_200904_20.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 06:42 pm
Operator :
Sample : 0I04008-CAL7
Misc : 1x
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:48:46 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Injection Log

Data Directory: Z:\1\data\2020-09\0I04008\

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File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
ECD9_200904_02.D	Hexane	1x	1	1	04 Sep 2020 04:01 pm
ECD9_200904_04.D	Hexane	1x	1	1	04 Sep 2020 04:19 pm
ECD9_200904_06.D	0I04008-ICB1	1x	2	1	04 Sep 2020 04:37 pm
ECD9_200904_08.D	0I04008-CAL1	1x	3	1	04 Sep 2020 04:55 pm
ECD9_200904_10.D	0I04008-CAL2	1x	4	1	04 Sep 2020 05:13 pm
ECD9_200904_12.D	0I04008-CAL3	1x	5	1	04 Sep 2020 05:31 pm
ECD9_200904_14.D	0I04008-CAL4	1x	6	1	04 Sep 2020 05:49 pm
ECD9_200904_16.D	0I04008-CAL5	1x	7	1	04 Sep 2020 06:07 pm
ECD9_200904_18.D	0I04008-CAL6	1x	8	1	04 Sep 2020 06:25 pm
ECD9_200904_20.D	0I04008-CAL7	1x	9	1	04 Sep 2020 06:42 pm
ECD9_200904_22.D	0I04008-IBL1	1x	1	1	04 Sep 2020 07:00 pm
ECD9_200904_24.D	0I04008-ICV1	1x	10	1	04 Sep 2020 07:18 pm
ECD9_200904_26.D	0I04008-CAL8	1x	11	1	04 Sep 2020 07:36 pm
ECD9_200904_28.D	0I04008-CAL9	1x	12	1	04 Sep 2020 07:54 pm
ECD9_200904_30.D	0I04008-CALA	1x	13	1	04 Sep 2020 08:12 pm
ECD9_200904_32.D	0I04008-CALB	1x	14	1	04 Sep 2020 08:30 pm
ECD9_200904_34.D	0I04008-CALC	1x	15	1	04 Sep 2020 08:47 pm
ECD9_200904_36.D	0I04008-CALD	1x	16	1	04 Sep 2020 09:05 pm
ECD9_200904_38.D	0I04008-CALE	1x	17	1	04 Sep 2020 09:23 pm
ECD9_200904_40.D	0I04008-ICV2	1x	18	1	04 Sep 2020 09:41 pm
ECD9_200904_42.D	0I04008-ICV3	1x	19	1	04 Sep 2020 09:59 pm
ECD9_200904_44.D	0I04008-ICV4	1x	20	1	04 Sep 2020 10:17 pm
ECD9_200904_46.D	0I04008-ICV5	1x	21	1	04 Sep 2020 10:35 pm
ECD9_200904_48.D	Hexane	1x	1	1	04 Sep 2020 10:52 pm

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_08.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:55 pm
 Operator :
 Sample : 0I04008-CAL1
 Misc : 1x
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:14:29 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	13856735	61.244 ng/ml
64) S DCBP (S)	9.746	10319144	54.815 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.817	1372587	158.264 ng/ml
3) Aroclor 1016 (2)	6.233	2162859	131.889 ng/ml
4) Aroclor 1016 (3)	6.315	1418625	155.798 ng/ml
5) Aroclor 1016 (4)	6.475	1214769	142.234 ng/ml
6) Aroclor 1016 (5)	6.699	1379805	150.214 ng/ml
7) Aroclor 1016 (6)	6.826	965808	147.323 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_08.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:55 pm
 Operator :
 Sample : 0I04008-CAL1
 Misc : 1x
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:14:29 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	2347886	136.704	ng/ml
44)	Aroclor 1260 (2)	7.770	2841169	129.068	ng/ml
45)	Aroclor 1260 (3)	8.335	2148666	130.079	ng/ml
46)	Aroclor 1260 (4)	8.506	4306352	107.501	ng/ml
47)	Aroclor 1260 (5)	8.810	2887730	124.326	ng/ml
48)	Aroclor 1260 (6)	9.217	1284578	139.574	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_08.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 04:55 pm
 Operator :
 Sample : 0I04008-CAL1
 Misc : 1x
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:14:29 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

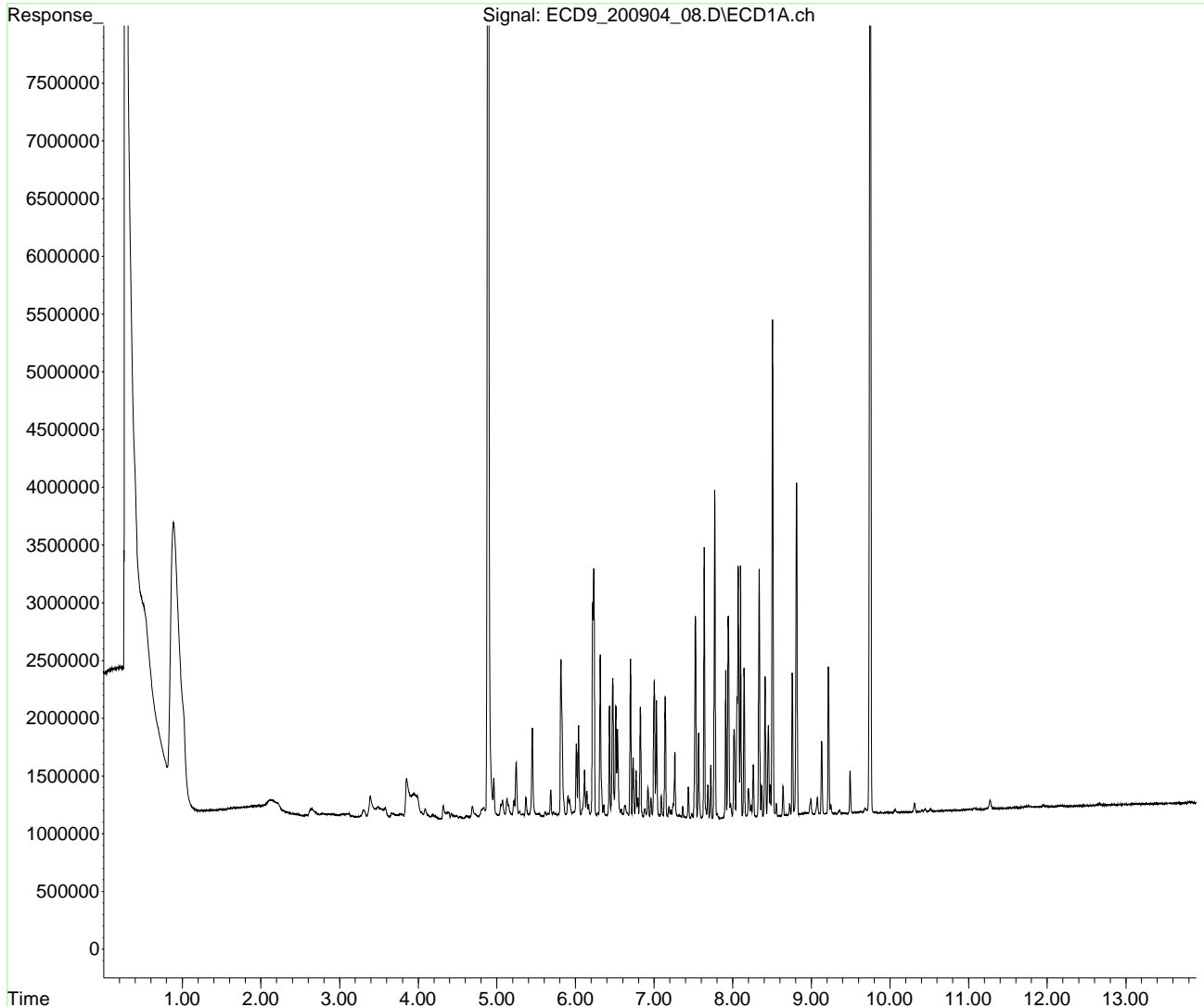
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_08.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 04:55 pm
Operator :
Sample : 0I04008-CAL1
Misc : 1x
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:14:29 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:03:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_10.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:13 pm
 Operator :
 Sample : 0I04008-CAL2
 Misc : 1x
 ALS Vial : 4 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:15:29 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	34169352	151.022 ng/ml
64) S DCBP (S)	9.747	24064050	127.827 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.817	2921422	336.851 ng/ml
3) Aroclor 1016 (2)	6.234	4696734	286.403 ng/ml
4) Aroclor 1016 (3)	6.315	3096284	340.044 ng/ml
5) Aroclor 1016 (4)	6.475	2598074	304.200 ng/ml
6) Aroclor 1016 (5)	6.699	2918999	317.780 ng/ml
7) Aroclor 1016 (6)	6.827	2078324	317.025 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_10.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:13 pm
 Operator :
 Sample : 0I04008-CAL2
 Misc : 1x
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:15:29 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	5192857	302.351	ng/ml
44)	Aroclor 1260 (2)	7.771	6129492	278.450	ng/ml
45)	Aroclor 1260 (3)	8.336	4662757	282.281	ng/ml
46)	Aroclor 1260 (4)	8.507	9752510	243.456	ng/ml
47)	Aroclor 1260 (5)	8.811	6330104	272.531	ng/ml
48)	Aroclor 1260 (6)	9.218	2771544	301.138	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_10.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:13 pm
 Operator :
 Sample : 0I04008-CAL2
 Misc : 1x
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:15:29 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

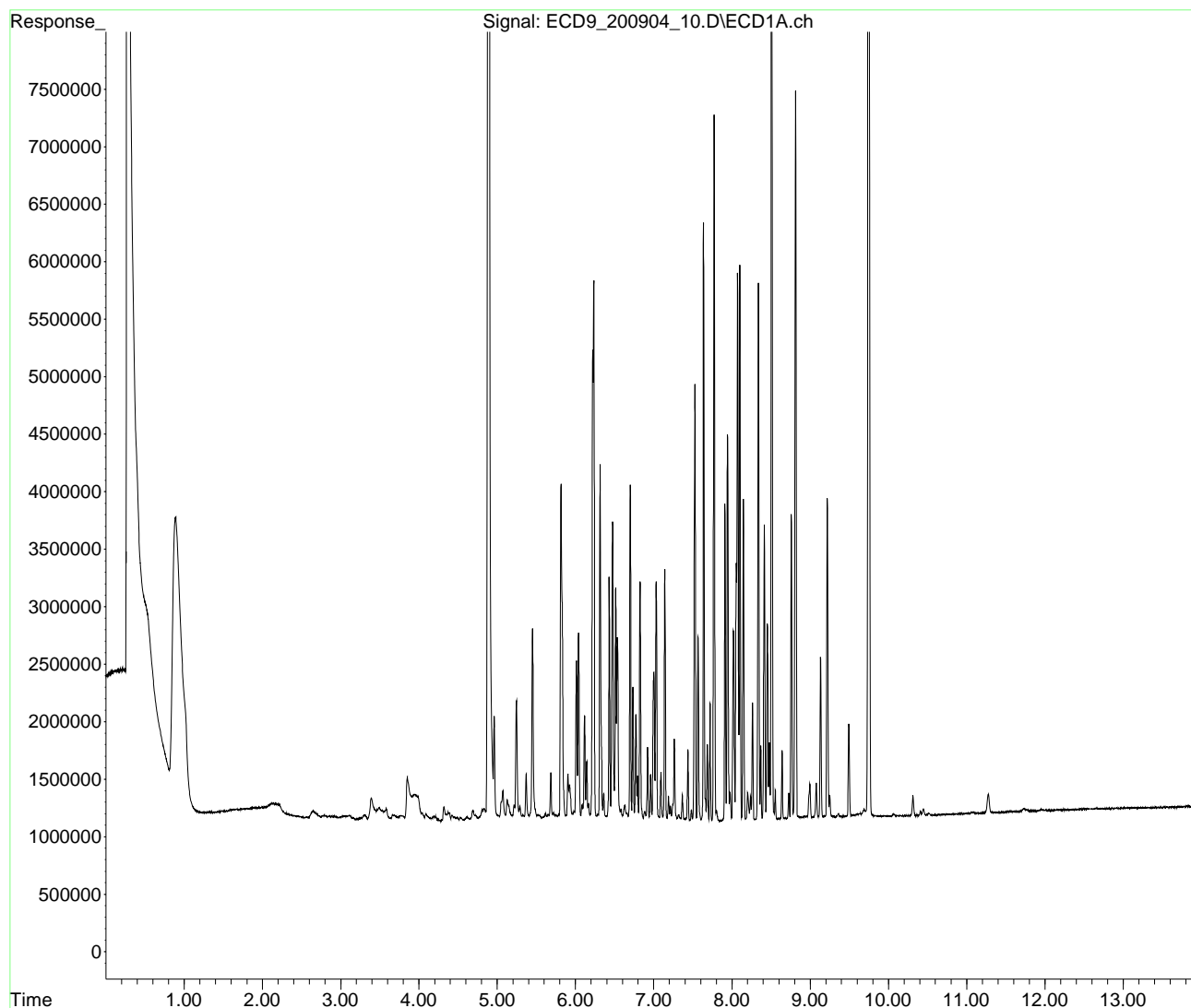
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_10.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 05:13 pm
Operator :
Sample : 0I04008-CAL2
Misc : 1x
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:15:29 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:03:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_12.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:31 pm
 Operator :
 Sample : 0I04008-CAL3
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:16:22 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	68593830	303.172 ng/ml
64) S DCBP (S)	9.746	48350457	256.835 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	5582340	643.664 ng/ml
3) Aroclor 1016 (2)	6.232	9277879	565.758 ng/ml
4) Aroclor 1016 (3)	6.314	5627748	618.058 ng/ml
5) Aroclor 1016 (4)	6.474	4683389	548.363 ng/ml
6) Aroclor 1016 (5)	6.698	5416022	589.622 ng/ml
7) Aroclor 1016 (6)	6.825	3808401	580.930 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_12.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:31 pm
 Operator :
 Sample : 0I04008-CAL3
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:16:22 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	9610997	559.594	ng/ml
44)	Aroclor 1260 (2)	7.770	11953522	543.023	ng/ml
45)	Aroclor 1260 (3)	8.335	8820889	534.013	ng/ml
46)	Aroclor 1260 (4)	8.506	18290043	456.581	ng/ml
47)	Aroclor 1260 (5)	8.810	12254049	527.576	ng/ml
48)	Aroclor 1260 (6)	9.217	5128964	557.281	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_12.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:31 pm
 Operator :
 Sample : 0I04008-CAL3
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:16:22 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

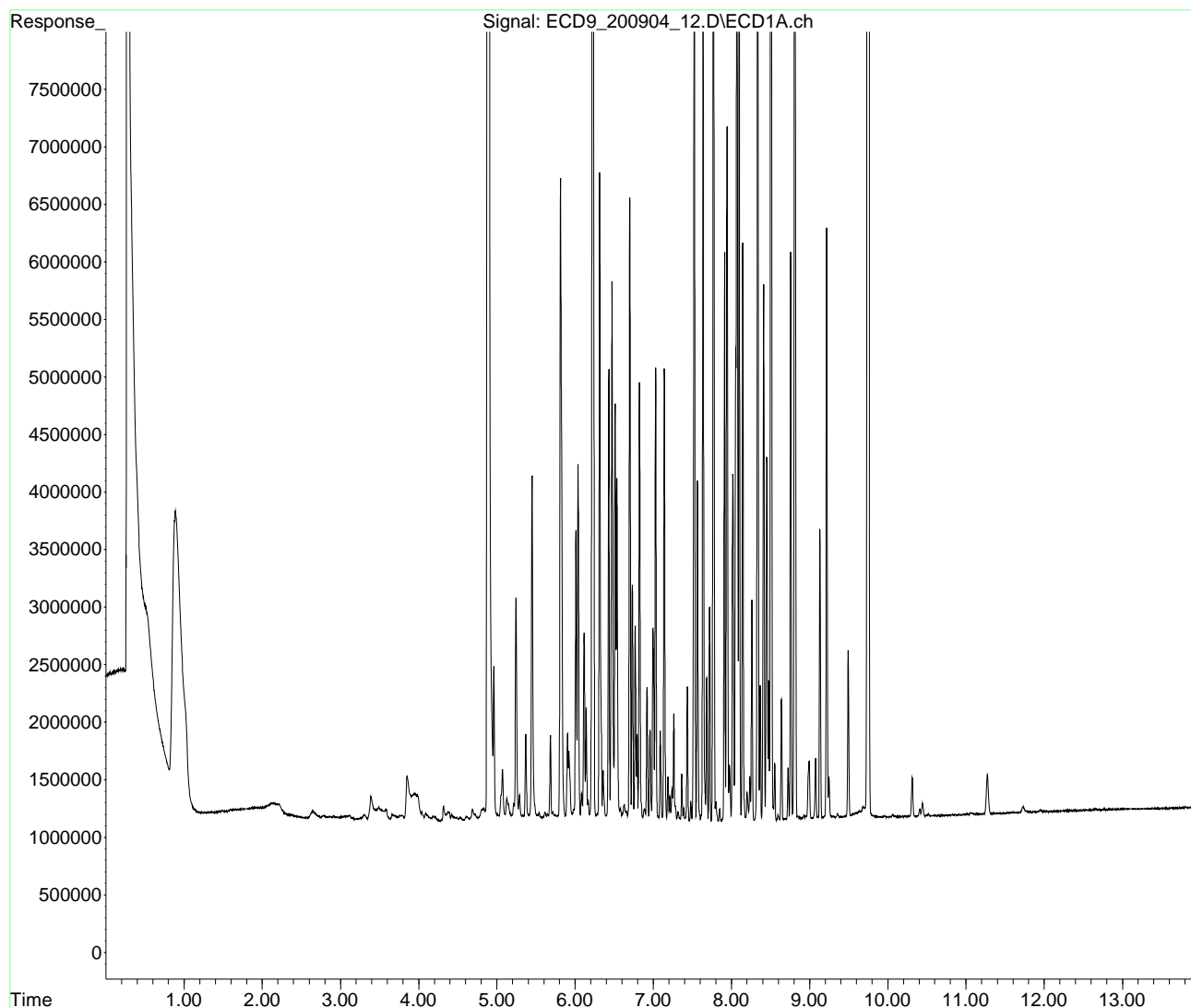
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_12.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 05:31 pm
Operator :
Sample : 0I04008-CAL3
Misc : 1x
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:16:22 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:03:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_14.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:49 pm
 Operator :
 Sample : 0I04008-CAL4
 Misc : 1x
 ALS Vial : 6 Sample Multiplier: 1

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Integration File: PCB1.e
 Quant Time: Sep 08 16:17:16 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	136488509	603.253 ng/ml
64) S DCBP (S)	9.746	93227722	495.221 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	10476271	1207.952 ng/ml
3) Aroclor 1016 (2)	6.233	18039036	1100.006 ng/ml
4) Aroclor 1016 (3)	6.315	10638959	1168.405 ng/ml
5) Aroclor 1016 (4)	6.474	8996396	1053.360 ng/ml
6) Aroclor 1016 (5)	6.699	10689641	1163.741 ng/ml
7) Aroclor 1016 (6)	6.826	7519356	1146.995 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_14.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:49 pm
 Operator :
 Sample : 0I04008-CAL4
 Misc : 1x
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:17:16 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	19624988	1142.651	ng/ml
44)	Aroclor 1260 (2)	7.770	23930154	1087.096	ng/ml
45)	Aroclor 1260 (3)	8.335	17248495	1044.216	ng/ml
46)	Aroclor 1260 (4)	8.506	39180989	978.090	ng/ml
47)	Aroclor 1260 (5)	8.809	24209268	1042.286	ng/ml
48)	Aroclor 1260 (6)	9.217	9854882	1070.769	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_14.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 05:49 pm
 Operator :
 Sample : 0I04008-CAL4
 Misc : 1x
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:17:16 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

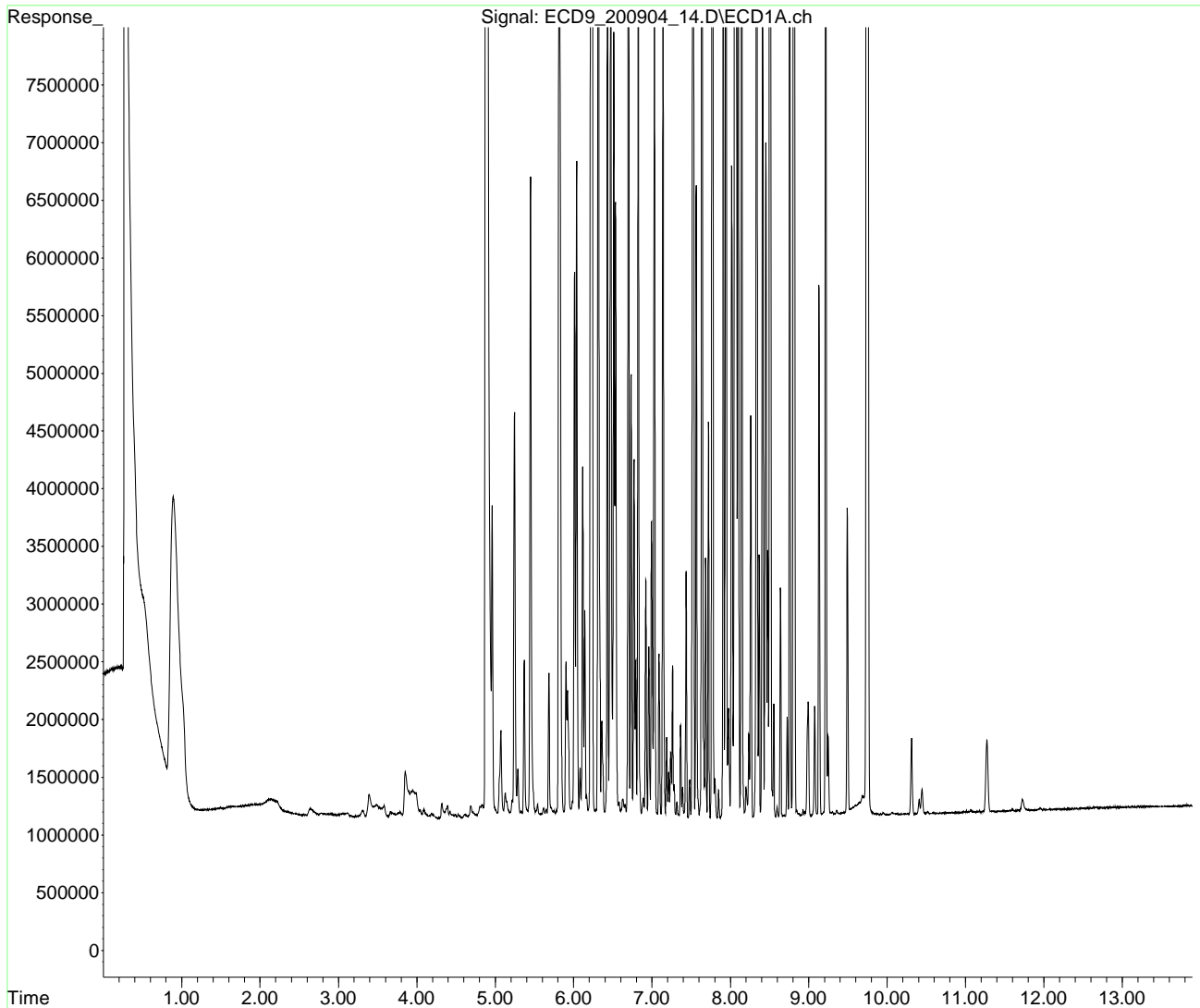
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_14.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 05:49 pm
Operator :
Sample : 0I04008-CAL4
Misc : 1x
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:17:16 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:03:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_16.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:07 pm
 Operator :
 Sample : 0I04008-CAL5
 Misc : 1x
 ALS Vial : 7 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:18:10 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	318169340	1406.248 ng/ml
64) S DCBP (S)	9.746	224575193	1192.932 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	24538916	2829.425 ng/ml
3) Aroclor 1016 (2)	6.233	42458723	2589.100 ng/ml
4) Aroclor 1016 (3)	6.314	25264112	2774.587 ng/ml
5) Aroclor 1016 (4)	6.474	20735232	2427.824 ng/ml
6) Aroclor 1016 (5)	6.698	25647042	2792.097 ng/ml
7) Aroclor 1016 (6)	6.826	16730033	2551.982 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_16.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:07 pm
 Operator :
 Sample : 0I04008-CAL5
 Misc : 1x
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:18:10 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.637	47131939	2744.225	ng/ml
44)	Aroclor 1260 (2)	7.771	53184867	2416.076	ng/ml
45)	Aroclor 1260 (3)	8.335	41541181	2514.885	ng/ml
46)	Aroclor 1260 (4)	8.506	89526292	2234.879	ng/ml
47)	Aroclor 1260 (5)	8.809	58048738	2499.182	ng/ml
48)	Aroclor 1260 (6)	9.217	24230361	2632.717	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_16.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:07 pm
 Operator :
 Sample : 0I04008-CAL5
 Misc : 1x
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:18:10 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

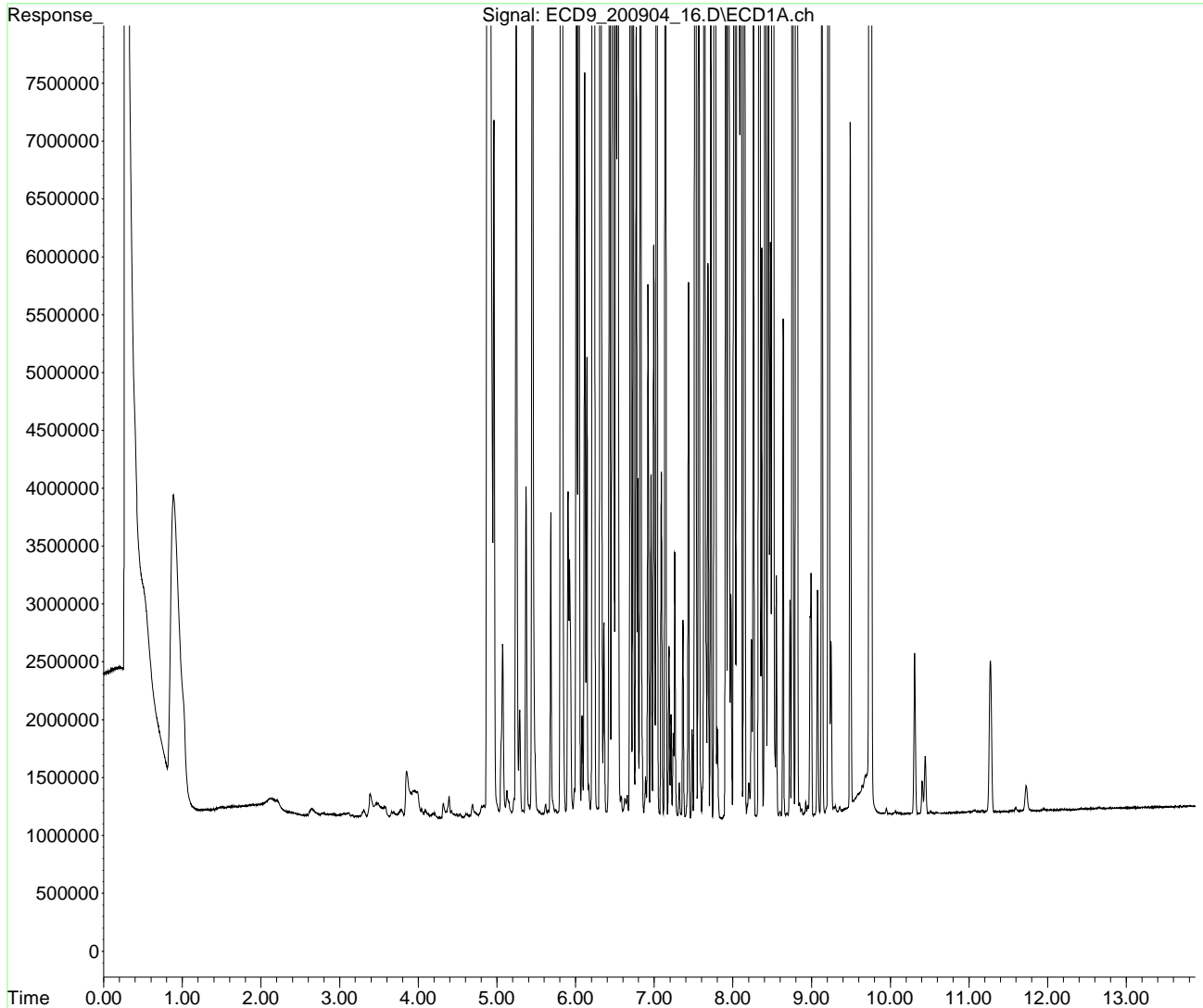
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_16.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 06:07 pm
Operator :
Sample : 0I04008-CAL5
Misc : 1x
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:18:10 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:03:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_18.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:25 pm
 Operator :
 Sample : 0I04008-CAL6
 Misc : 1x
 ALS Vial : 8 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:19:34 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	667514850	2950.290 ng/ml
64) S DCBP (S)	9.746	465237469	2471.317 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	47367286	5461.619 ng/ml
3) Aroclor 1016 (2)	6.233	82198155	5012.380 ng/ml
4) Aroclor 1016 (3)	6.315	49856336	5475.385 ng/ml
5) Aroclor 1016 (4)	6.474	40188622	4705.561 ng/ml
6) Aroclor 1016 (5)	6.698	50529930	5501.004 ng/ml
7) Aroclor 1016 (6)	6.826	33300722	5079.658 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_18.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:25 pm
 Operator :
 Sample : 0I04008-CAL6
 Misc : 1x
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:19:34 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	89715715	5223.636	ng/ml
44)	Aroclor 1260 (2)	7.770	109009410	4952.067	ng/ml
45)	Aroclor 1260 (3)	8.335	79958155	4840.631	ng/ml
46)	Aroclor 1260 (4)	8.506	174070267	4345.382	ng/ml
47)	Aroclor 1260 (5)	8.811	119448784	5142.648	ng/ml
48)	Aroclor 1260 (6)	9.217	45111230	4901.500	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_18.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:25 pm
 Operator :
 Sample : 0I04008-CAL6
 Misc : 1x
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:19:34 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

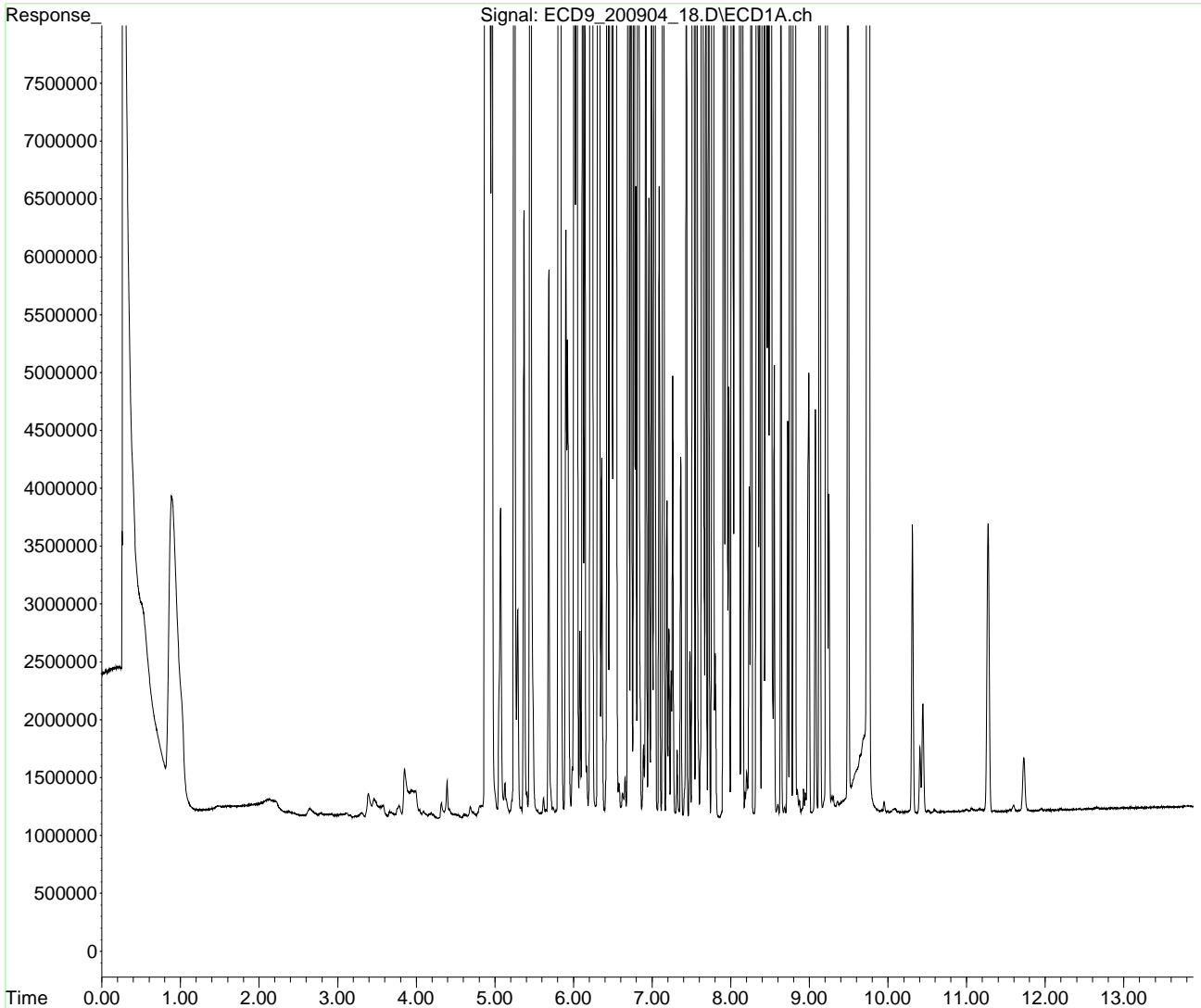
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_18.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 06:25 pm
Operator :
Sample : 0I04008-CAL6
Misc : 1x
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:19:34 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:03:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_20.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:42 pm
 Operator :
 Sample : 0I04008-CAL7
 Misc : 1x
 ALS Vial : 9 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:20:44 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	1061787202	4692.899 ng/ml
64) S DCBP (S)	9.746	742630977	3944.817 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.816	73735004	8501.911 ng/ml
3) Aroclor 1016 (2)	6.233	124940807	7618.793 ng/ml
4) Aroclor 1016 (3)	6.315	75138585	8251.964 ng/ml
5) Aroclor 1016 (4)	6.474	62411033	7307.515 ng/ml
6) Aroclor 1016 (5)	6.698	72795590	7924.983 ng/ml
7) Aroclor 1016 (6)	6.826	50820711	7752.139 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_20.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:42 pm
 Operator :
 Sample : 0I04008-CAL7
 Misc : 1x
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:20:44 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.637	136328289	7937.621	ng/ml
44)	Aroclor 1260 (2)	7.771	162841300	7397.535	ng/ml
45)	Aroclor 1260 (3)	8.335	121081743	7330.234	ng/ml
46)	Aroclor 1260 (4)	8.506	275575028	6879.284	ng/ml
47)	Aroclor 1260 (5)	8.810	172820877	7440.485	ng/ml
48)	Aroclor 1260 (6)	9.217	69089871	7506.867	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_20.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 06:42 pm
 Operator :
 Sample : 0I04008-CAL7
 Misc : 1x
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:20:44 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:03:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

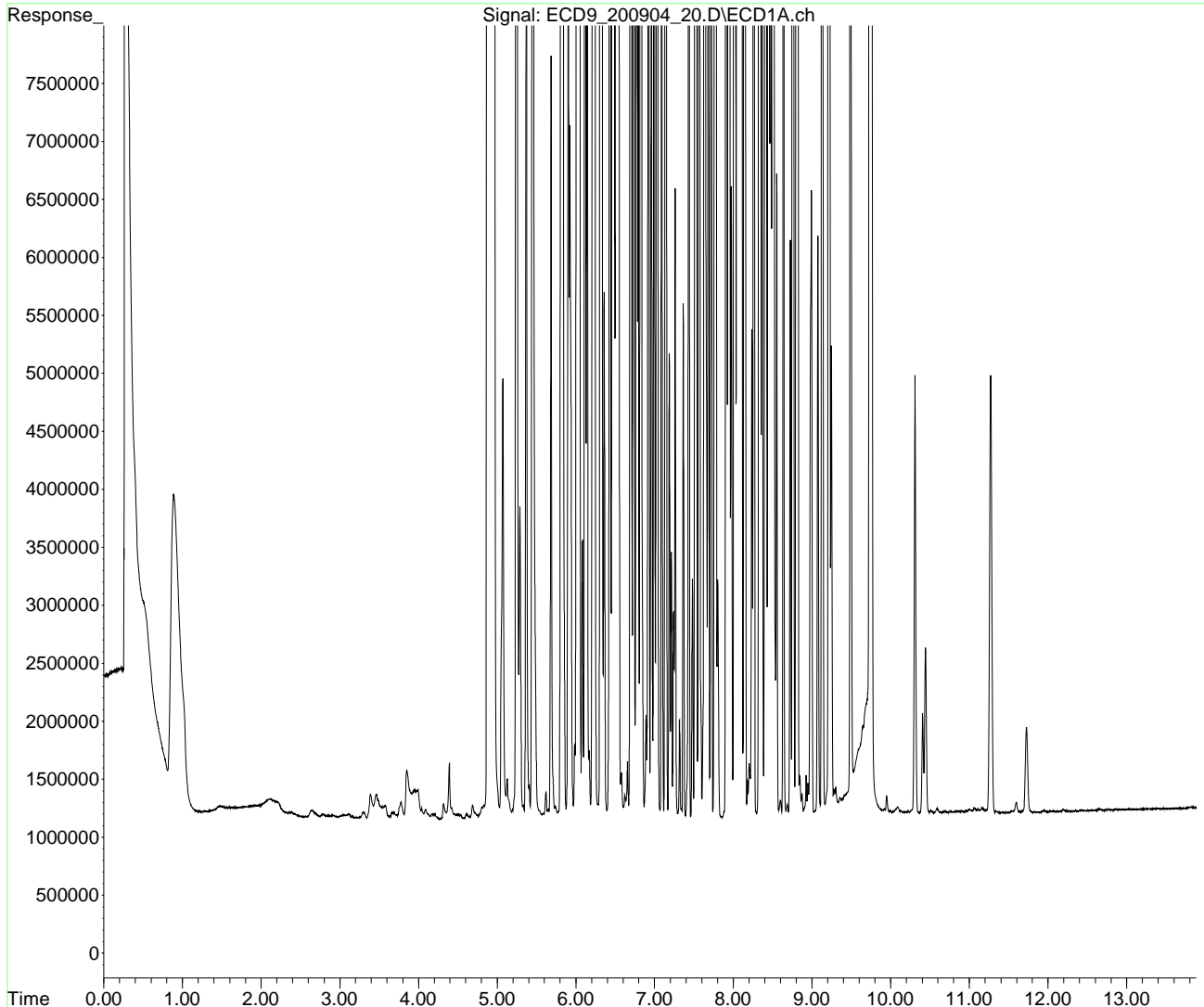
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_20.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 06:42 pm
Operator :
Sample : 0I04008-CAL7
Misc : 1x
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:20:44 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:03:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_26.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:36 pm
 Operator :
 Sample : 0I04008-CAL8
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:25:00 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:23:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.251	7931587	2603.923	ng/ml
10) Aroclor 1221 (2)	5.371	5331253	2831.738	ng/ml
11) Aroclor 1221 (3)	5.452	17011417	2842.570	ng/ml
12) Aroclor 1221 (4)	5.923	2925551	NoCal	ng/ml
13) Aroclor 1221 (5)	6.233	3205677	NoCal	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_26.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:36 pm
 Operator :
 Sample : 0I04008-CAL8
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:25:00 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:23:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_26.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:36 pm
 Operator :
 Sample : 0I04008-CAL8
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:25:00 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:23:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

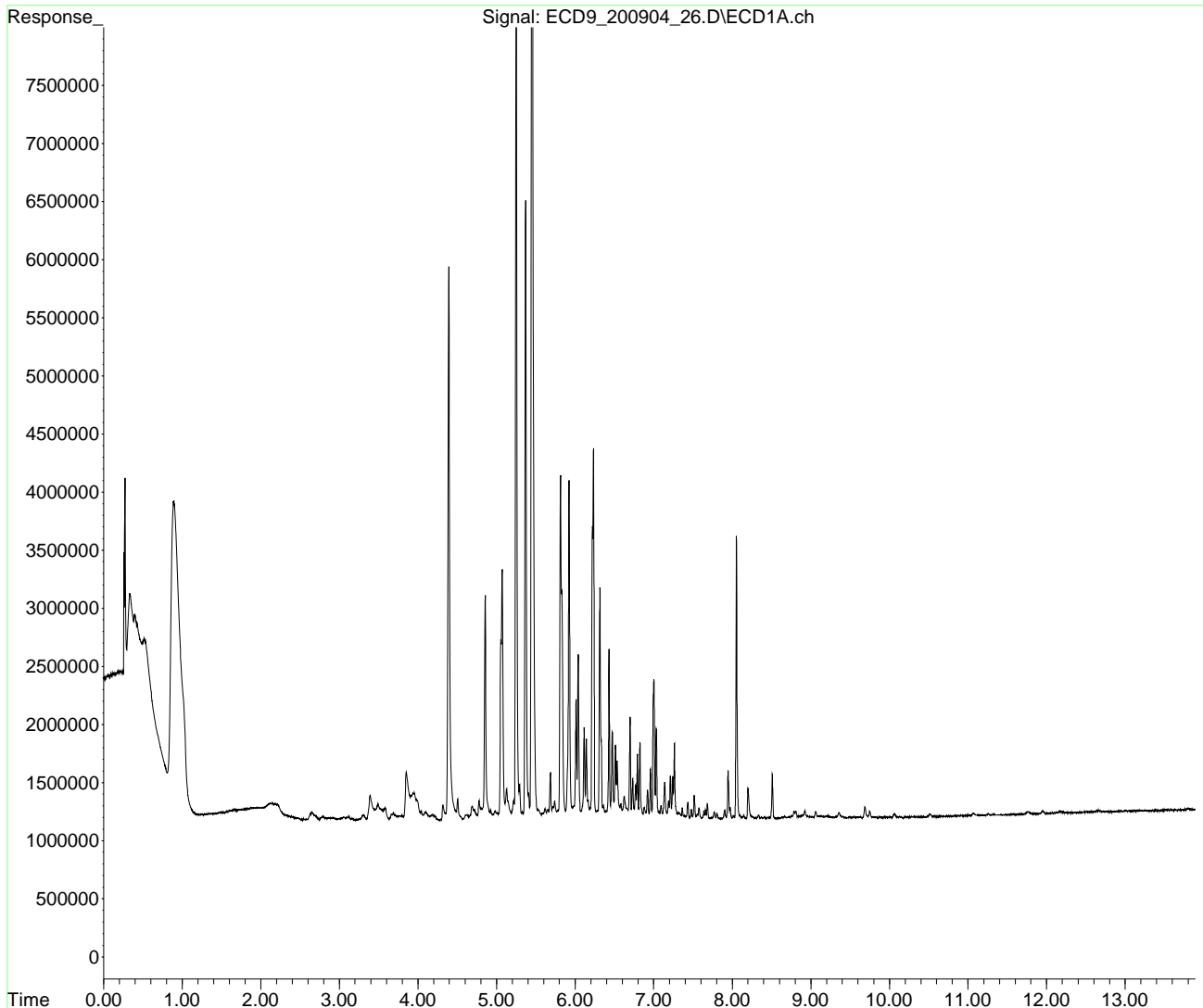
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_26.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 07:36 pm
Operator :
Sample : 0I04008-CAL8
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:25:00 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:23:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_28.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:54 pm
 Operator :
 Sample : 0I04008-CAL9
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:26:21 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:25:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	5.452	14211675	2973.867	ng/ml
16) Aroclor 1232 (2)	6.232	16858590	2598.445	ng/ml
17) Aroclor 1232 (3)	6.314	10438203	2819.861	ng/ml
18) Aroclor 1232 (4)	6.474	7038073	2516.312	ng/ml
19) Aroclor 1232 (5)	6.698	9190112	2840.387	ng/ml
20) Aroclor 1232 (6)	6.826	7260800	2713.048	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_28.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:54 pm
 Operator :
 Sample : 0I04008-CAL9
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:26:21 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:25:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_28.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 07:54 pm
 Operator :
 Sample : 0I04008-CAL9
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:26:21 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:25:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

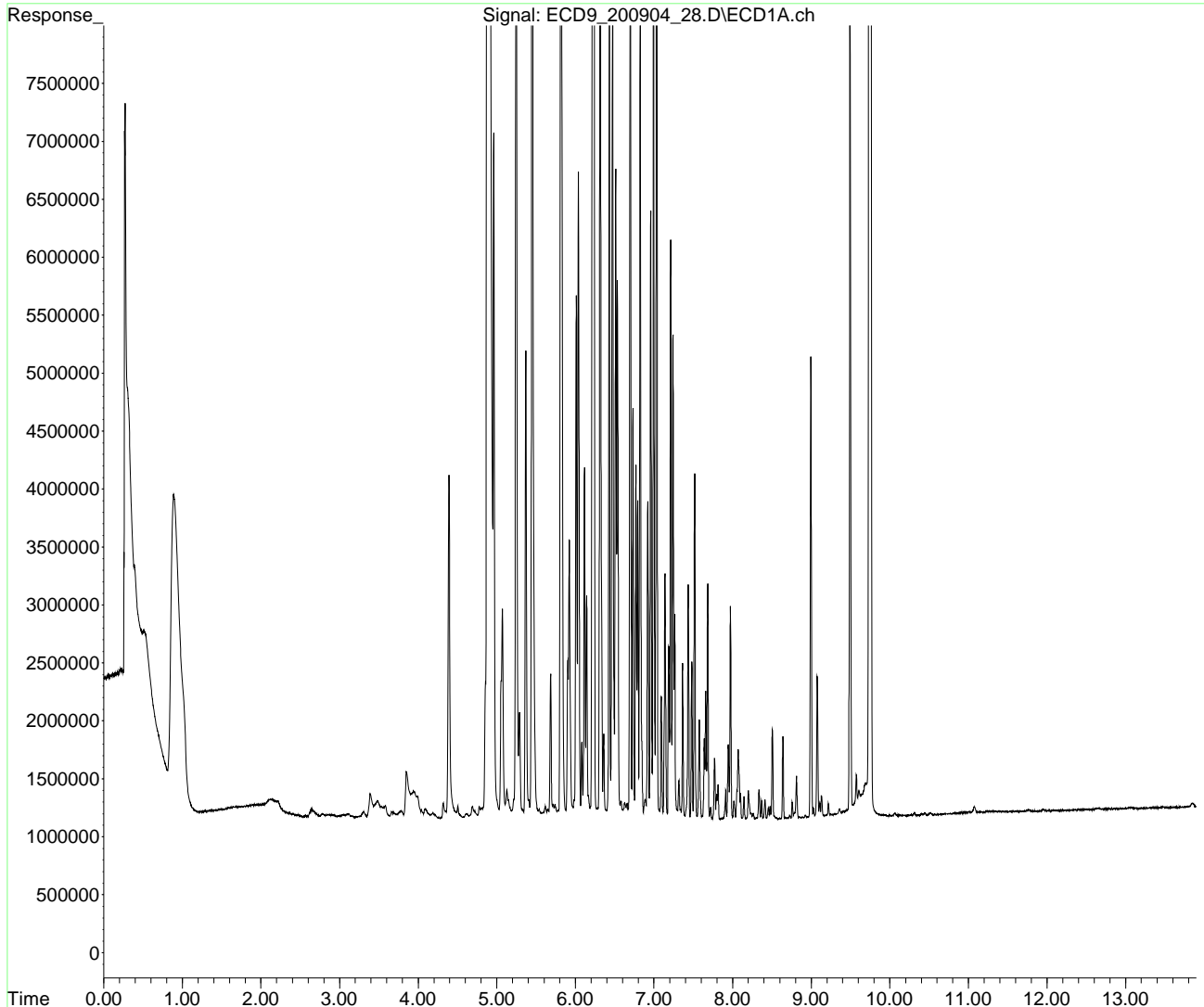
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_28.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 07:54 pm
Operator :
Sample : 0I04008-CAL9
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:26:21 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:25:45 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_30.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:12 pm
 Operator :
 Sample : 0I04008-CALA
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:28:00 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:27:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	5.816	18496264	2869.607	ng/ml
23) Aroclor 1242 (2)	6.232	31867955	2608.038	ng/ml
24) Aroclor 1242 (3)	6.314	18752887	2784.677	ng/ml
25) Aroclor 1242 (4)	6.474	14943215	2590.081	ng/ml
26) Aroclor 1242 (5)	6.698	18693556	2850.577	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_30.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:12 pm
 Operator :
 Sample : 0I04008-CALA
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:28:00 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:27:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.825	15263720	2719.440 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D. ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D. ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D. ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D. ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D. ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D. ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_30.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:12 pm
 Operator :
 Sample : 0I04008-CALA
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:28:00 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:27:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

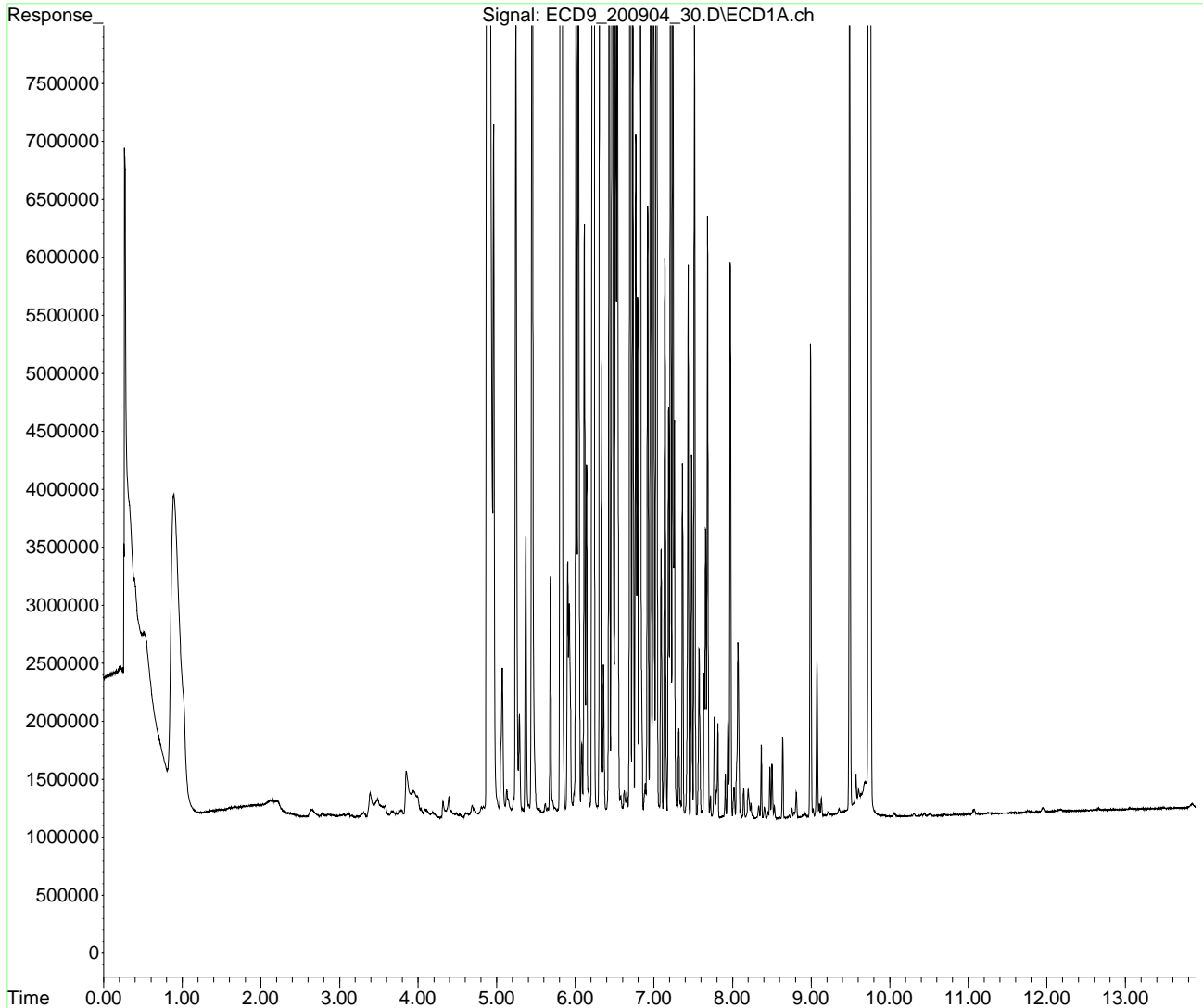
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_30.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 08:12 pm
Operator :
Sample : 0I04008-CALA
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:28:00 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:27:25 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_32.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:30 pm
 Operator :
 Sample : 0I04008-CALB
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:29:49 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:28:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_32.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:30 pm
 Operator :
 Sample : 0I04008-CALB
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:29:49 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:28:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.219	19796641	2798.589	ng/ml
30)	Aroclor 1248 (2)	6.474	27338151	2769.076	ng/ml
31)	Aroclor 1248 (3)	6.697	32464251	3061.370	ng/ml
32)	Aroclor 1248 (4)	6.994	34510076	3015.199	ng/ml
33)	Aroclor 1248 (5)	7.033	37001350	3079.682	ng/ml
34)	Aroclor 1248 (6)	7.515	19442000	2982.776	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_32.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:30 pm
 Operator :
 Sample : 0I04008-CALB
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:29:49 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:28:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

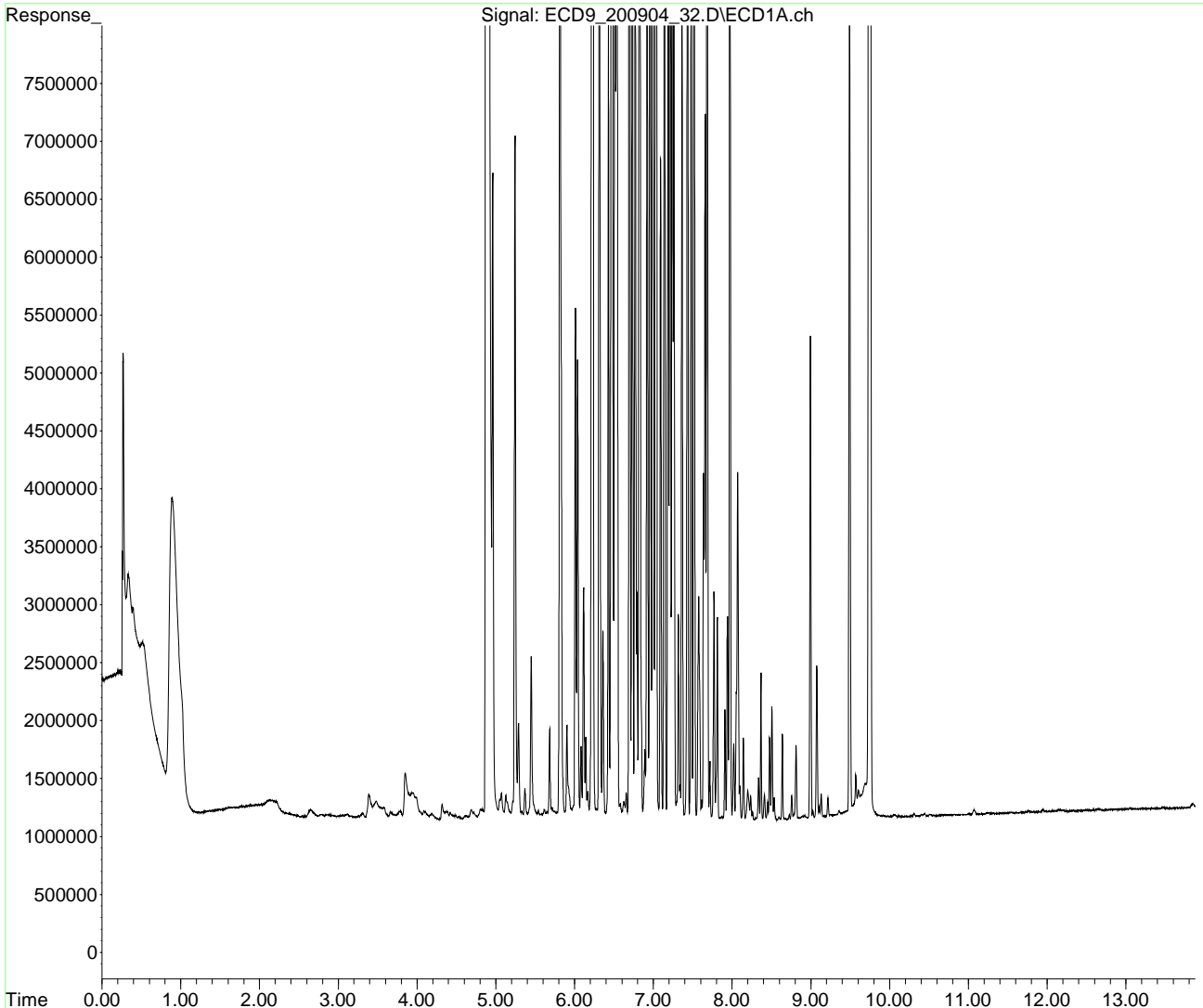
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_32.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 08:30 pm
Operator :
Sample : 0I04008-CALB
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:29:49 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:28:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_34.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:47 pm
 Operator :
 Sample : 0I04008-CALC
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:31:10 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:30:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_34.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:47 pm
 Operator :
 Sample : 0I04008-CALC
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:31:10 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:30:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.030	36392874	2816.994	ng/ml
37)	Aroclor 1254 (2)	7.140	40794066	2618.260	ng/ml
38)	Aroclor 1254 (3)	7.515	59040418	2470.681	ng/ml
39)	Aroclor 1254 (4)	7.682	38080608	2541.354	ng/ml
40)	Aroclor 1254 (5)	8.068	39237974	2453.896	ng/ml
41)	Aroclor 1254 (6)	8.365	12895801	2448.239	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_34.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 08:47 pm
 Operator :
 Sample : 0I04008-CALC
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:31:10 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:30:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

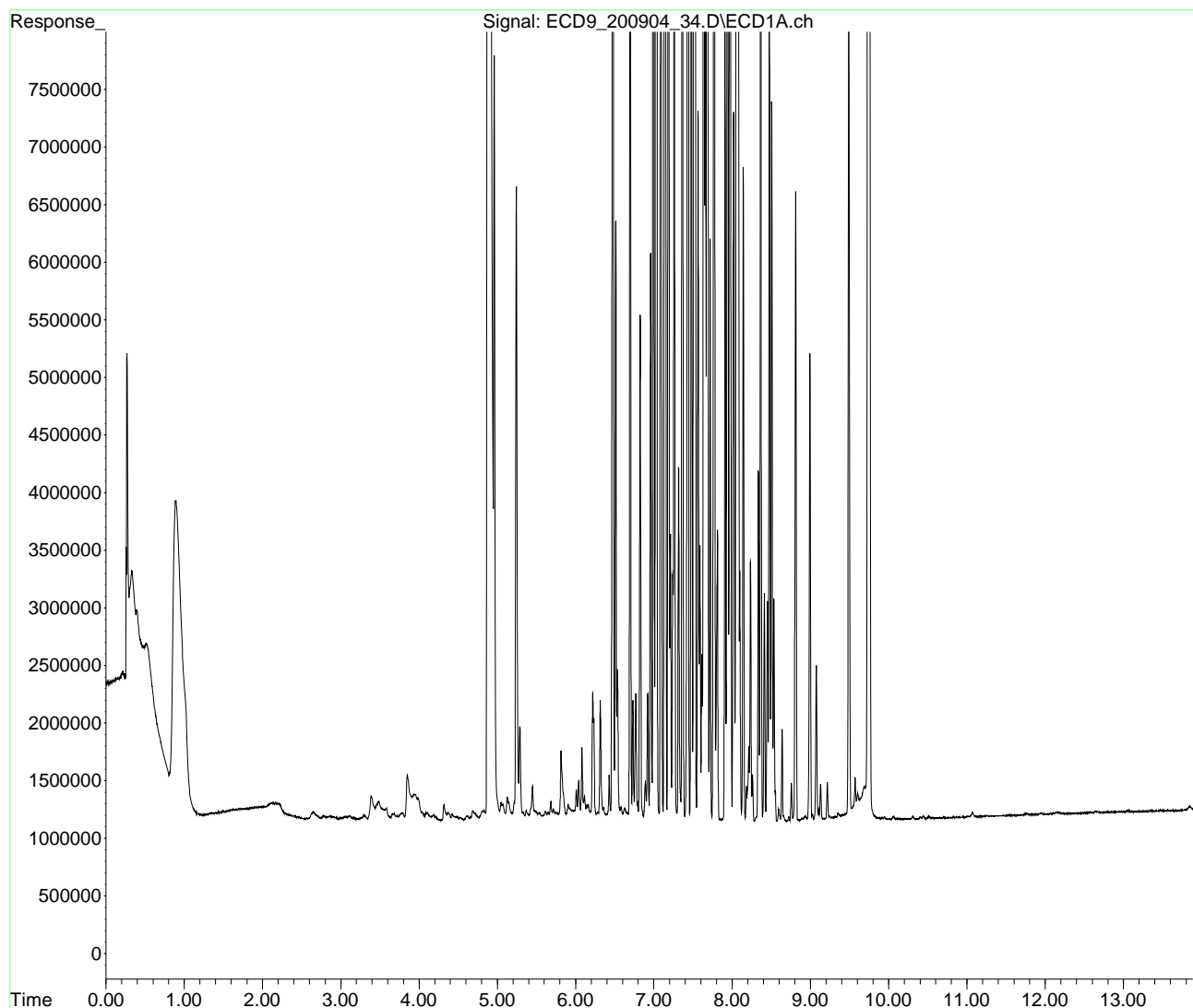
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_34.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 08:47 pm
Operator :
Sample : 0I04008-CALC
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:31:10 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:30:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_36.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:05 pm
 Operator :
 Sample : 0I04008-CALD
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:32:43 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:31:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_36.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:05 pm
 Operator :
 Sample : 0I04008-CALD
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:32:43 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:31:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (1)	7.769	42249608	2559.013	ng/ml
51) Aroclor 1262 (2)	8.099	60419838	2636.596	ng/ml
52) Aroclor 1262 (3)	8.334	49241085	2519.124	ng/ml
53) Aroclor 1262 (4)	8.505	100157596	2297.706	ng/ml
54) Aroclor 1262 (5)	8.809	57799656	2430.970	ng/ml
55) Aroclor 1262 (6)	9.217	30268506	2531.897	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_36.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:05 pm
 Operator :
 Sample : 0I04008-CALD
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:32:43 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:31:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

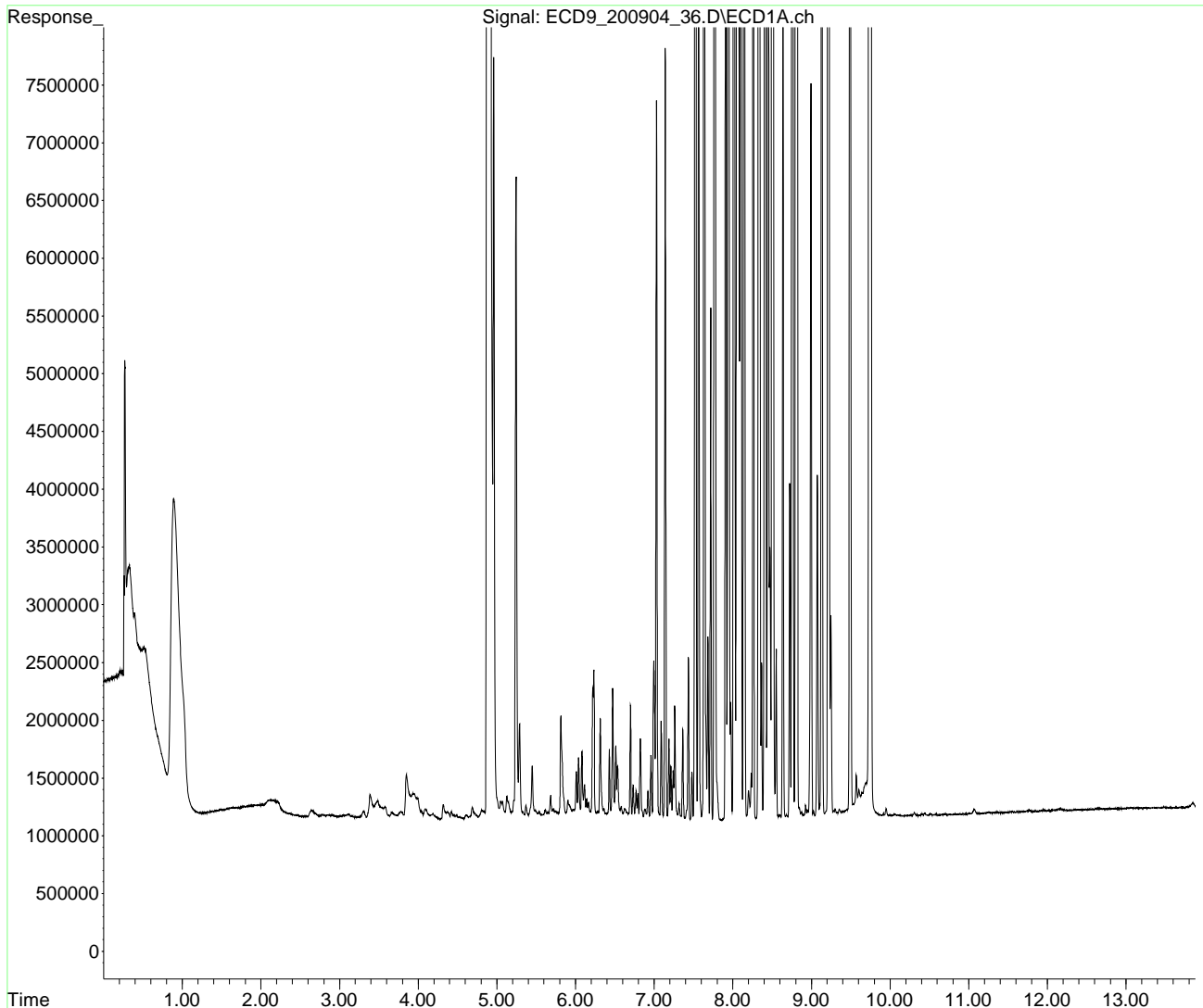
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_36.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 09:05 pm
Operator :
Sample : 0I04008-CALD
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:32:43 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:31:58 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_38.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:23 pm
 Operator :
 Sample : 0I04008-CALE
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

KAK 9/8/2020

Integration File: PCB1.e
 Quant Time: Sep 08 16:34:15 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:33:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_38.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:23 pm
 Operator :
 Sample : 0I04008-CALE
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:34:15 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:33:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	8.327	27334318	2634.055	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
 Data File : ECD9_200904_38.D
 Signal(s) : ECD1A.ch
 Acq On : 04 Sep 2020 09:23 pm
 Operator :
 Sample : 0I04008-CALE
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 08 16:34:15 2020
 Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:33:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.757	120727023	2442.215 ng/ml
59)	Aroclor 1268 (3)	8.804	96387771	2516.830 ng/ml
60)	Aroclor 1268 (4)	8.992	92883748	2687.935 ng/ml
61)	Aroclor 1268 (5)	9.216	34443279	2567.658 ng/ml
62)	Aroclor 1268 (6)	9.492	232282809	2436.651 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

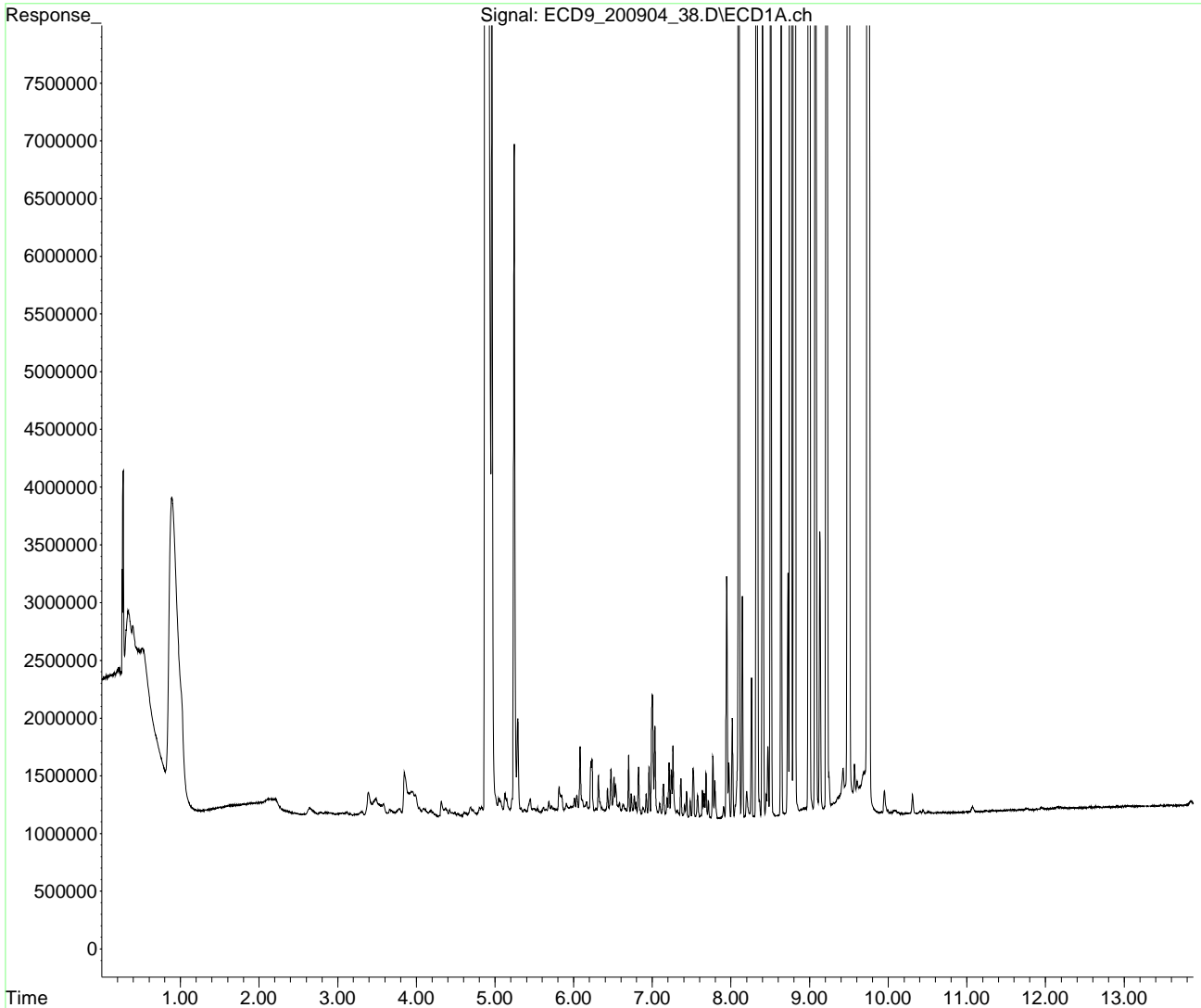
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I04008\
Data File : ECD9_200904_38.D
Signal(s) : ECD1A.ch
Acq On : 04 Sep 2020 09:23 pm
Operator :
Sample : 0I04008-CALE
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 08 16:34:15 2020
Quant Method : S:\METHODS\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:33:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0115055 (Cal ID A011705) DUALECD9R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0115055

Instrument: DUALECD9R

Date: 09/15/20 12:27

Calibration: A011705

#	<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	0115055-ICB1	Soil	QC	QC				A20H443
2	0115055-CAL1	Soil	QC	QC				A20F180
3	0115055-CAL2	Soil	QC	QC				A20F181
4	0115055-CAL3	Soil	QC	QC				A20F183
5	0115055-CAL4	Soil	QC	QC				A20F184
6	0115055-CAL5	Soil	QC	QC				A20F177
7	0115055-CAL6	Soil	QC	QC				A20F178
8	0115055-CAL7	Soil	QC	QC				A20F179
9	0115055-IBL1	Soil	QC	QC				
10	0115055-ICV1	Soil	QC	QC				A20H015
11	0115055-CAL8	Soil	QC	QC				A20H322
12	0115055-CAL9	Soil	QC	QC				A20H324
13	0115055-CALA	Soil	QC	QC				A20H326
14	0115055-CALB	Soil	QC	QC				A20H329
15	0115055-CALC	Soil	QC	QC				A20H330
16	0115055-CALD	Soil	QC	QC				A20H331
17	0115055-CALE	Soil	QC	QC				A20H333
18	0115055-ICV2	Soil	QC	QC				A20H337
19	0115055-ICV3	Soil	QC	QC				A20D351
20	0115055-ICV4	Soil	QC	QC				A20H339
21	0115055-ICV5	Soil	QC	QC				A20H210

Data Entered By/Date: KAK 9/17/2020

Comments:

Data Reviewed By/Date: MKZ 9/17/2020

9/17/2020 1:16:39PM

Calibration Status Report DUALECD9

Method Path : Z:\1\methods\
 Method File : RECD9_QUANTPCB_200915.M
 Title : PCB Data Analysis
 Last Update : Thu Sep 17 12:03:17 2020
 Response Via : Initial Calibration

KAK 9/17/2020

Calibration: A011705

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	Z:\1\data\2020-09\0I15055\ECD9_200915_11.D
2	2	25	0	Z:\1\data\2020-09\0I15055\ECD9_200915_13.D
3	3	50	0	Z:\1\data\2020-09\0I15055\ECD9_200915_15.D
4	4	100	0	Z:\1\data\2020-09\0I15055\ECD9_200915_17.D
5	5	250	0	Z:\1\data\2020-09\0I15055\ECD9_200915_41.D
6	6	500	0	Z:\1\data\2020-09\0I15055\ECD9_200915_21.D
7	7	800	0	Z:\1\data\2020-09\0I15055\ECD9_200915_23.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Sep 16 12:17 2020	Sep 16 12:03 2020	15 Sep 2020 02:40 pm
2	2	Sep 16 12:17 2020	Sep 16 12:04 2020	15 Sep 2020 02:58 pm
3	3	Sep 16 12:18 2020	Sep 16 12:05 2020	15 Sep 2020 03:15 pm
4	4	Sep 16 12:18 2020	Sep 16 12:06 2020	15 Sep 2020 03:33 pm
5	5	Sep 17 12:01 2020	Sep 16 12:16 2020	15 Sep 2020 07:08 pm
6	6	Sep 16 12:18 2020	Sep 16 12:08 2020	15 Sep 2020 04:09 pm
7	7	Sep 16 12:18 2020	Sep 16 12:10 2020	15 Sep 2020 04:27 pm

RECD9_QUANTPCB_200915.M Thu Sep 17 12:54:26 2020

Response Factor Report DUALECD9

Method Path : Z:\1\methods\
 Method File : RECD9_QUANTPCB_200915.M
 Title : PCB Data Analysis
 Last Update : Thu Sep 17 12:03:17 2020
 Response Via : Initial Calibration

KAK 9/17/2020

Calibration Files

1 =ECD9_200915_11.D 2 =ECD9_200915_13.D 3 =ECD9_200915_15.D
 4 =ECD9_200915_17.D 5 =ECD9_200915_41.D 6 =ECD9_200915_21.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	1.532	1.587	1.596	1.609	1.615	1.633	1.599	E6 2.09
2) Aroclor 1016 ...	7.110	6.251	5.784	5.330	5.079	5.164	5.671	E4 13.70
3) Aroclor 1016 ...	1.028	0.962	0.915	0.880	0.849	0.852	0.908	E5 7.27
4) Aroclor 1016 ...	5.311	4.725	4.500	4.027	3.959	3.751	4.308	E4 13.08
5) Aroclor 1016 ...	5.930	5.300	4.766	4.407	4.154	4.118	4.664	E4 15.47
6) Aroclor 1016 ...	6.382	5.740	5.055	4.780	4.548	4.450	5.072	E4 14.36
7) Aroclor 1016 (6)	6.125	5.585	4.902	4.737	4.584	4.623	4.987	E4 12.75
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.100		1.100	E4 0.00
10) Aroclor 1221 (2)					1.111		1.111	E4 0.00
11) Aroclor 1221 (3)					3.655		3.655	E4 0.00
12) Aroclor 1221 ...					7.911		7.911	E3 0.00
13) Aroclor 1221 (5)					6.014		6.014	E3 0.00
14) Aroclor 1221 ...							0.000	-1.00
15) Aroclor 1232 (1)					3.049		3.049	E4 0.00
16) Aroclor 1232 (2)					2.020		2.020	E4 0.00
17) Aroclor 1232 (3)					3.355		3.355	E4 0.00
18) Aroclor 1232 (4)					1.395		1.395	E4 0.00
19) Aroclor 1232 (5)					1.591		1.591	E4 0.00
20) Aroclor 1232 (6)					1.625		1.625	E4 0.00
21) Aroclor 1232 ...							0.000	-1.00
22) Aroclor 1242 ...					3.752		3.752	E4 0.00
23) Aroclor 1242 ...					6.016		6.016	E4 0.00
24) Aroclor 1242 ...					2.905		2.905	E4 0.00
25) Aroclor 1242 ...					2.852		2.852	E4 0.00
26) Aroclor 1242 ...					3.303		3.303	E4 0.00
27) Aroclor 1242 (6)					3.341		3.341	E4 0.00
28) Aroclor 1242 ...							0.000	-1.00
29) Aroclor 1248 ...					3.814		3.814	E4 0.00
30) Aroclor 1248 ...					5.442		5.442	E4 0.00
31) Aroclor 1248 ...					4.961		4.961	E4 0.00
32) Aroclor 1248 ...					5.790		5.790	E4 0.00
33) Aroclor 1248 ...					7.274		7.274	E4 0.00
34) Aroclor 1248 (6)					5.966		5.966	E4 0.00
35) Aroclor 1248 ...							0.000	-1.00
36) Aroclor 1254 ...					7.118		7.118	E4 0.00
37) Aroclor 1254 ...					1.089		1.089	E5 0.00
38) Aroclor 1254 ...					1.115		1.115	E5 0.00
39) Aroclor 1254 ...					8.176		8.176	E4 0.00
40) Aroclor 1254 ...					8.630		8.630	E4 0.00
41) Aroclor 1254 (6)					2.414		2.414	E4 0.00
42) Aroclor 1254 ...							0.000	-1.00



Response Factor Report DUALECD9

Method Path : Z:\1\methods\
 Method File : RECD9_QUANTPCB_200915.M
 Title : PCB Data Analysis
 Last Update : Thu Sep 17 12:03:17 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD9_200915_11.D 2 =ECD9_200915_13.D 3 =ECD9_200915_15.D
 4 =ECD9_200915_17.D 5 =ECD9_200915_41.D 6 =ECD9_200915_21.D

Compound		1	2	3	4	5	6	Avg	%RSD		
43)	Aroclor 1260 ...	1.144	1.015	0.987	0.920	0.890	0.886	0.961	E5	9.93	
44)	Aroclor 1260 ...	1.309	1.234	1.136	1.119	1.084	1.047	1.149	E5	7.97	
45)	Aroclor 1260 (3)	1.270	1.182	1.135	1.082	1.087	1.069	1.131	E5	6.47	✓
46)	Aroclor 1260 (4)	1.734	1.703	1.657	1.617	1.590	1.619	1.643	E5	3.55	
47)	Aroclor 1260 (5)	1.104	1.034	0.970	0.908	0.922	0.913	0.972	E5	7.49	
48)	Aroclor 1260 (6)	4.792	4.335	3.921	3.713	3.530	3.316	3.873	E4	13.54	
49)	Aroclor 1260 ...							0.000		-1.00	
50)	Aroclor 1262 (1)					8.004		8.004	E4	0.00	
51)	Aroclor 1262 (2)					1.139		1.139	E5	0.00	
52)	Aroclor 1262 (3)					8.834		8.834	E4	0.00	
53)	Aroclor 1262 (4)					1.705		1.705	E5	0.00	
54)	Aroclor 1262 (5)					1.053		1.053	E5	0.00	
55)	Aroclor 1262 (6)					4.551		4.551	E4	0.00	
56)	Aroclor 1262 ...							0.000		-1.00	
57)	Aroclor 1268 (1)					4.837		4.837	E4	0.00	
58)	Aroclor 1268 (2)					1.890		1.890	E5	0.00	
59)	Aroclor 1268 (3)					1.511		1.511	E5	0.00	
60)	Aroclor 1268 (4)					1.334		1.334	E5	0.00	
61)	Aroclor 1268 (5)					4.960		4.960	E4	0.00	
62)	Aroclor 1268 (6)					3.428		3.428	E5	0.00	
63)	Aroclor 1268 ...							0.000		-1.00	
64) S	DCBP (S)	7.256	7.056	6.953	7.150	6.720	7.227	7.100	E5	2.98	✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report DUALECD9

Method Path : Z:\1\methods\
Method File : RECD9_QUANTPCB_200915.M
Title : PCB Data Analysis
Last Update : Thu Sep 17 12:03:17 2020
Response Via : Initial Calibration

KAK 9/17/2020

Total Cpnds : 64

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.768	1.000	A	H	L
2	Aroclor 1016 (1)	6.447	1.000	A	H	R
3	Aroclor 1016 (2)	6.940	1.000	A	H	R
4	Aroclor 1016 (3)	7.067	1.000	A	H	R
5	Aroclor 1016 (4)	7.155	1.000	A	H	R
6	Aroclor 1016 (5)	7.200	1.000	A	H	R
7	Aroclor 1016 (6)	7.327	1.000	A	H	R
8	Aroclor 1016 - AVE	1.936	1.000	A	H	R
9	Aroclor 1221 (1)	5.947	1.000	A	H	R
10	Aroclor 1221 (2)	6.020	1.000	A	H	R
11	Aroclor 1221 (3)	6.108	1.000	A	H	R
12	Aroclor 1221 (4)	6.623	1.000	A	H	B
13	Aroclor 1221 (5)	6.939	1.000	A	H	B
14	Aroclor 1221 - AVE	1.936	1.000	A	H	R
15	Aroclor 1232 (1)	6.108	1.000	A	H	R
16	Aroclor 1232 (2)	6.447	1.000	A	H	R
17	Aroclor 1232 (3)	6.939	1.000	A	H	R
18	Aroclor 1232 (4)	7.156	1.000	A	H	R
19	Aroclor 1232 (5)	7.201	1.000	A	H	R
20	Aroclor 1232 (6)	7.327	1.000	A	H	R
21	Aroclor 1232 - AVE	1.936	1.000	A	H	R
22	Aroclor 1242 (1)	6.447	1.000	A	H	R
23	Aroclor 1242 (2)	6.939	1.000	A	H	R
24	Aroclor 1242 (3)	7.067	1.000	A	H	R
25	Aroclor 1242 (4)	7.156	1.000	A	H	R
26	Aroclor 1242 (5)	7.201	1.000	A	H	R
27	Aroclor 1242 (6)	7.327	1.000	A	H	R
28	Aroclor 1242 - AVE	1.936	1.000	A	H	R
29	Aroclor 1248 (1)	6.912	1.000	A	H	R
30	Aroclor 1248 (2)	7.155	1.000	A	H	R
31	Aroclor 1248 (3)	7.200	1.000	A	H	R
32	Aroclor 1248 (4)	7.327	1.000	A	H	R
33	Aroclor 1248 (5)	7.695	1.000	A	H	R
34	Aroclor 1248 (6)	7.854	1.000	A	H	R
35	Aroclor 1248 - AVE	1.936	1.000	A	H	R
36	Aroclor 1254 (1)	7.673	1.000	A	H	R
37	Aroclor 1254 (2)	7.856	1.000	A	H	R
38	Aroclor 1254 (3)	8.169	1.000	A	H	R
39	Aroclor 1254 (4)	8.410	1.000	A	H	R
40	Aroclor 1254 (5)	8.748	1.000	A	H	R
41	Aroclor 1254 (6)	8.981	1.000	A	H	R
42	Aroclor 1254 - AVE	1.936	1.000	A	H	R
43	Aroclor 1260 (1)	8.308	1.000	A	H	R
44	Aroclor 1260 (2)	8.515	1.000	A	H	R
45	Aroclor 1260 (3)	8.750	1.000	A	H	R
46	Aroclor 1260 (4)	9.255	1.000	A	H	R
47	Aroclor 1260 (5)	9.533	1.000	A	H	R
48	Aroclor 1260 (6)	10.143	1.000	A	H	R
49	Aroclor 1260 - AVE	1.936	1.000	A	H	R
50	Aroclor 1262 (1)	8.515	1.000	A	H	R
51	Aroclor 1262 (2)	8.819	1.000	A	H	R
52	Aroclor 1262 (3)	9.001	1.000	A	H	R
53	Aroclor 1262 (4)	9.254	1.000	A	H	R
54	Aroclor 1262 (5)	9.532	1.000	A	H	R
55	Aroclor 1262 (6)	10.141	1.000	A	H	R
56	Aroclor 1262 - AVE	1.936	1.000	A	H	R

57	Aroclor 1268 (1)	9.046	1.000	A	H	R
58	Aroclor 1268 (2)	9.535	1.000	A	H	R
59	Aroclor 1268 (3)	9.604	1.000	A	H	R
60	Aroclor 1268 (4)	9.835	1.000	A	H	R
61	Aroclor 1268 (5)	10.143	1.000	A	H	R
62	Aroclor 1268 (6)	10.524	1.000	A	H	R
63	Aroclor 1268 - AVE	1.935	1.000	A	H	R
64	S DCBP (S)	10.865	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

RECD9_QUANTPCB_200915.M Thu Sep 17 12:54:07 2020

Element Calibration Review Sheet

Calibration ID: **A011705**
 Analysis: **8082 PCBs**

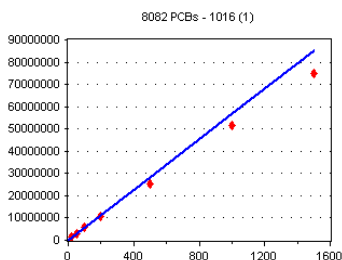
Instrument: **DUALECD9R**

Calibration Date: **09/17/2020**

Instrument Cal ID: **RECD9_QUANTPCB_20091**

1016 (1)

Curve Fit: **AVERAGE RF**

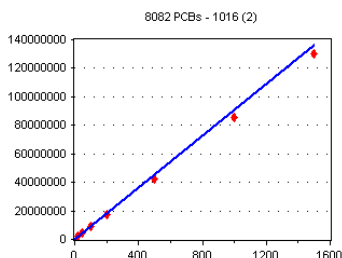


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1421961	71098.050	6.45
0I15055-CAL2	50	3125541	62510.820	6.45
0I15055-CAL3	100	5784469	57844.690	6.45
0I15055-CAL4	200	.06598E+07	53299.000	6.45
0I15055-CAL5	500	2.5395E+07	50790.000	6.45
0I15055-CAL6	1000	163523E+07	51635.230	6.45
0I15055-CAL7	1500	471178E+07	49807.850	6.45

AVE RF 56712.230 **RF RSD** 13.70 **AVE RT** 6.45

1016 (2)

Curve Fit: **AVERAGE RF**

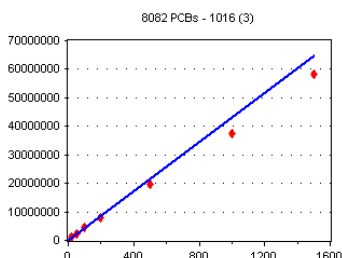


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2055115	102755.800	6.94
0I15055-CAL2	50	4809232	96184.640	6.94
0I15055-CAL3	100	9149174	91491.740	6.94
0I15055-CAL4	200	760072E+07	88003.600	6.94
0I15055-CAL5	500	243825E+07	84876.490	6.94
0I15055-CAL6	1000	524832E+07	85248.320	6.94
0I15055-CAL7	1500	303525E+08	86901.660	6.94

AVE RF 90780.320 **RF RSD** 7.27 **AVE RT** 6.94

1016 (3)

Curve Fit: **AVERAGE RF**

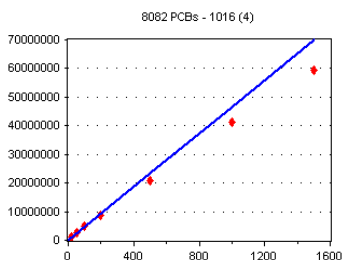


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1062102	53105.100	7.07
0I15055-CAL2	50	2362528	47250.560	7.07
0I15055-CAL3	100	4500137	45001.370	7.07
0I15055-CAL4	200	8054750	40273.750	7.07
0I15055-CAL5	500	.97974E+07	39594.800	7.07
0I15055-CAL6	1000	751087E+07	37510.870	7.07
0I15055-CAL7	1500	825274E+07	38835.160	7.07

AVE RF 43081.660 **RF RSD** 13.08 **AVE RT** 7.07

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1186017	59300.850	7.15
0I15055-CAL2	50	2649767	52995.340	7.15
0I15055-CAL3	100	4766402	47664.020	7.15
0I15055-CAL4	200	8813492	44067.460	7.15
0I15055-CAL5	500	077202E+07	41544.040	7.15
0I15055-CAL6	1000	118242E+07	41182.420	7.15
0I15055-CAL7	1500	954596E+07	39697.310	7.15

AVE RF 46635.920 **RF RSD** 15.47 **AVE RT** 7.15

Element Calibration Review Sheet

Calibration ID: **A011705**
 Analysis: **8082 PCBs**

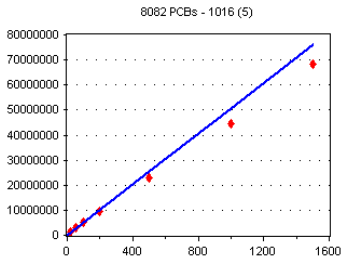
Instrument: **DUALECD9R**

Calibration Date: **09/17/2020**

Instrument Cal ID: **RECD9_QUANTPCB_20091**

1016 (5)

Curve Fit: **AVERAGE RF**

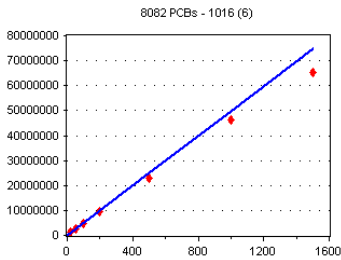


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1276460	63823.000	7.20
0I15055-CAL2	50	2870001	57400.020	7.20
0I15055-CAL3	100	5055043	50550.430	7.20
0I15055-CAL4	200	9560771	47803.860	7.20
0I15055-CAL5	500	273858E+07	45477.160	7.20
0I15055-CAL6	1000	449796E+07	44497.960	7.20
0I15055-CAL7	1500	822778E+07	45485.180	7.20

AVE RF **50719.660** **RF RSD** **14.36** **AVE RT** **7.20**

1016 (6)

Curve Fit: **AVERAGE RF**

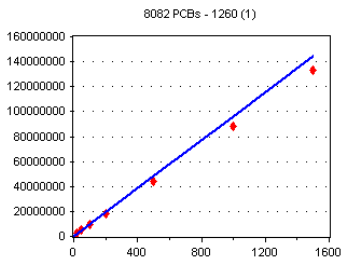


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1225054	61252.700	7.33
0I15055-CAL2	50	2792685	55853.700	7.33
0I15055-CAL3	100	4902416	49024.160	7.33
0I15055-CAL4	200	9473446	47367.230	7.33
0I15055-CAL5	500	292116E+07	45842.320	7.33
0I15055-CAL6	1000	623472E+07	46234.720	7.33
0I15055-CAL7	1500	522782E+07	43485.210	7.33

AVE RF **49865.720** **RF RSD** **12.75** **AVE RT** **7.33**

1260 (1)

Curve Fit: **AVERAGE RF**

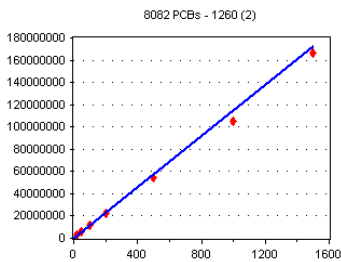


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2287238	114361.900	8.31
0I15055-CAL2	50	5074049	101481.000	8.31
0I15055-CAL3	100	9871636	98716.360	8.31
0I15055-CAL4	200	840382E+07	92019.100	8.31
0I15055-CAL5	500	449523E+07	88990.460	8.31
0I15055-CAL6	1000	859757E+07	88597.570	8.31
0I15055-CAL7	1500	331467E+08	88764.470	8.31

AVE RF **96132.980** **RF RSD** **9.93** **AVE RT** **8.31**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2618678	130933.900	8.51
0I15055-CAL2	50	6172285	123445.700	8.51
0I15055-CAL3	100	135995E+07	113599.500	8.51
0I15055-CAL4	200	238497E+07	111924.900	8.51
0I15055-CAL5	500	41882E+07	108376.400	8.51
0I15055-CAL6	1000	104664E+08	104664.200	8.51
0I15055-CAL7	1500	865179E+08	111011.900	8.52

AVE RF **114850.900** **RF RSD** **7.97** **AVE RT** **8.51**

Element Calibration Review Sheet

Calibration ID: **A011705**
 Analysis: **8082 PCBs**

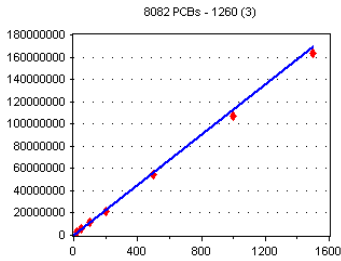
Instrument: **DUALECD9R**

Calibration Date: **09/17/2020**

Instrument Cal ID: **RECD9_QUANTPCB_20091**

1260 (3)

Curve Fit: **AVERAGE RF**

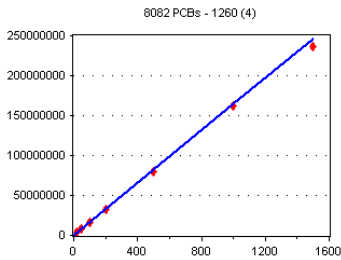


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2540989	127049.500	8.75
0I15055-CAL2	50	5911953	118239.100	8.75
0I15055-CAL3	100	134611E+07	113461.100	8.75
0I15055-CAL4	200	163994E+07	108199.700	8.75
0I15055-CAL5	500	436231E+07	108724.600	8.75
0I15055-CAL6	1000	.06885E+08	106885.000	8.75
0I15055-CAL7	1500	631952E+08	108796.800	8.75

AVE RF **113050.800** **RF RSD** **6.47** **AVE RT** **8.75**

1260 (4)

Curve Fit: **AVERAGE RF**

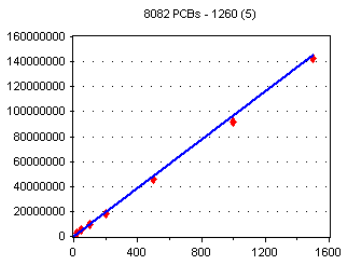


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	3468598	173429.900	9.25
0I15055-CAL2	50	8514952	170299.000	9.25
0I15055-CAL3	100	657295E+07	165729.500	9.25
0I15055-CAL4	200	233614E+07	161680.700	9.25
0I15055-CAL5	500	950845E+07	159016.900	9.25
0I15055-CAL6	1000	619074E+08	161907.400	9.25
0I15055-CAL7	1500	367612E+08	157840.800	9.25

AVE RF **164272.000** **RF RSD** **3.55** **AVE RT** **9.25**

1260 (5)

Curve Fit: **AVERAGE RF**

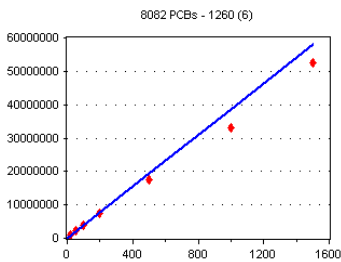


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2208139	110407.000	9.53
0I15055-CAL2	50	5167629	103352.600	9.53
0I15055-CAL3	100	9698027	96980.270	9.53
0I15055-CAL4	200	816522E+07	90826.100	9.53
0I15055-CAL5	500	611693E+07	92233.860	9.53
0I15055-CAL6	1000	.12641E+07	91264.090	9.53
0I15055-CAL7	1500	424824E+08	94988.270	9.53

AVE RF **97150.300** **RF RSD** **7.49** **AVE RT** **9.53**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	958372	47918.600	10.14
0I15055-CAL2	50	2167449	43348.980	10.14
0I15055-CAL3	100	3920930	39209.300	10.14
0I15055-CAL4	200	7426542	37132.710	10.14
0I15055-CAL5	500	765066E+07	35301.320	10.14
0I15055-CAL6	1000	.31584E+07	33158.400	10.14
0I15055-CAL7	1500	253936E+07	35026.240	10.14

AVE RF **38727.940** **RF RSD** **13.54** **AVE RT** **10.14**

Element Calibration Review Sheet

Calibration ID: **A011705**

Instrument: **DUALECD9R**

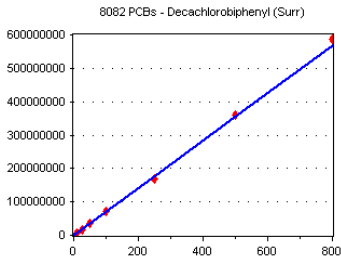
Calibration Date: **09/17/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD9_QUANTPCB_20091**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0I15055-CAL1	10	7255594	725559.400	10.86
0I15055-CAL2	25	763894E+07	705557.600	10.86
0I15055-CAL3	50	476546E+07	695309.200	10.86
0I15055-CAL4	100	150114E+07	715011.400	10.86
0I15055-CAL5	250	580035E+08	672014.000	10.86
0I15055-CAL6	500	513527E+08	722705.400	10.86
0I15055-CAL7	800	871791E+08	733973.800	10.86

AVE RF **710018.700** RF RSD **2.98** AVE RT **10.86**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

Analysis Included

8082 PCBs
 8082 PCBs - Low Level (2mL FV)
 8082 PCBs - Low Level (2mL FV) +1262/68
 8082 PCBs - Low Level (15g/1mL)
 8082 PCBs + 1262/1268

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0I15055-ICB1	Initial Cal Blank	Soil	A20H443		9/15/2020 2:22:00PM
0I15055-CAL1	Cal Standard	Soil	A20F180	"	9/15/2020 2:40:00PM
0I15055-CAL2	Cal Standard	Soil	A20F181	"	9/15/2020 2:58:00PM
0I15055-CAL3	Cal Standard	Soil	A20F183	"	9/15/2020 3:15:00PM
0I15055-CAL4	Cal Standard	Soil	A20F184	"	9/15/2020 3:33:00PM
0I15055-CAL5	Cal Standard	Soil	A20F177	"	9/15/2020 3:51:00PM
0I15055-CAL6	Cal Standard	Soil	A20F178	"	9/15/2020 4:09:00PM
0I15055-CAL7	Cal Standard	Soil	A20F179	"	9/15/2020 4:27:00PM
0I15055-ICV1	Initial Cal Check	Soil	A20H015	"	9/15/2020 5:03:00PM
0I15055-CAL8	Cal Standard	Soil	A20H322	"	9/15/2020 5:21:00PM
0I15055-CAL9	Cal Standard	Soil	A20H324	"	9/15/2020 5:39:00PM
0I15055-CALA	Cal Standard	Soil	A20H326	"	9/15/2020 5:56:00PM
0I15055-CALB	Cal Standard	Soil	A20H329	"	9/15/2020 6:14:00PM
0I15055-CALC	Cal Standard	Soil	A20H330	"	9/15/2020 6:32:00PM
0I15055-CALD	Cal Standard	Soil	A20H331	"	9/15/2020 6:50:00PM
0I15055-CALE	Cal Standard	Soil	A20H333	"	9/15/2020 7:08:00PM
0I15055-ICV2	Initial Cal Check	Soil	A20H337	"	9/15/2020 7:26:00PM
0I15055-ICV3	Initial Cal Check	Soil	A20D351	"	9/15/2020 7:44:00PM
0I15055-ICV4	Initial Cal Check	Soil	A20H339	"	9/15/2020 8:02:00PM
0I15055-ICV5	Initial Cal Check	Soil	A20H210	"	9/15/2020 8:20:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0I1705**

Instrument: **DUALECD9R**

8082 PCBs

Sequence: **0I15055**

Matrix: **Soil**

0I15055-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0I15055-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	
0I15055-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	
Aroclor 1260	100.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

Aroclor 1260	100.0000	0.00	100	0	
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
0I15055-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
0I15055-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	300.0000	0.00	500	0	
Aroclor 1260	300.0000	0.00	500	0	
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
0I15055-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	300.0000	0.00	1000	0	
Aroclor 1260	300.0000	0.00	1000	0	
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	
0I15055-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	300.0000	0.00	1500	0	
Aroclor 1260	300.0000	0.00	1500	0	
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	
0I15055-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1221 (1)	40.0000	0.00	500	0	
1221 (2)	40.0000	0.00	500	0	
1221 (3)	40.0000	0.00	500	0	
1221 (4)	40.0000	0.00	500	0	
1221 (5)	40.0000	0.00	500	0	
Aroclor 1221	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1221 (1)	100.0000	0.00	500	0	
1221 (2)	100.0000	0.00	500	0	
1221 (3)	100.0000	0.00	500	0	
1221 (4)	100.0000	0.00	500	0	
1221 (5)	100.0000	0.00	500	0	
Aroclor 1221	100.0000	0.00	500	0	
1221 (1)	100.0000	0.00	500	0	
1221 (2)	100.0000	0.00	500	0	
1221 (3)	100.0000	0.00	500	0	
1221 (4)	100.0000	0.00	500	0	
1221 (5)	100.0000	0.00	500	0	
Aroclor 1221	100.0000	0.00	500	0	
1221 (1)	300.0000	0.00	500	0	
1221 (2)	300.0000	0.00	500	0	
1221 (3)	300.0000	0.00	500	0	
1221 (4)	300.0000	0.00	500	0	
1221 (5)	300.0000	0.00	500	0	
Aroclor 1221	300.0000	0.00	500	0	
1221 (1)	40.0000	0.00	500	0	
1221 (2)	40.0000	0.00	500	0	
1221 (3)	40.0000	0.00	500	0	
1221 (4)	40.0000	0.00	500	0	
1221 (5)	40.0000	0.00	500	0	
Aroclor 1221	40.0000	0.00	500	0	
0I15055-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1232 (1)	40.0000	0.00	500	0	
1232 (2)	40.0000	0.00	500	0	
1232 (3)	40.0000	0.00	500	0	
1232 (4)	40.0000	0.00	500	0	
1232 (5)	40.0000	0.00	500	0	
1232 (6)	40.0000	0.00	500	0	
Aroclor 1232	40.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	300.0000	0.00	500	0	
1232 (2)	300.0000	0.00	500	0	
1232 (3)	300.0000	0.00	500	0	
1232 (4)	300.0000	0.00	500	0	
1232 (5)	300.0000	0.00	500	0	
1232 (6)	300.0000	0.00	500	0	
Aroclor 1232	300.0000	0.00	500	0	
1232 (1)	40.0000	0.00	500	0	
1232 (2)	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1232 (3)	40.0000	0.00	500	0	
1232 (4)	40.0000	0.00	500	0	
1232 (5)	40.0000	0.00	500	0	
1232 (6)	40.0000	0.00	500	0	
Aroclor 1232	40.0000	0.00	500	0	
0I15055-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	
1242 (1)	300.0000	0.00	500	0	
1242 (2)	300.0000	0.00	500	0	
1242 (3)	300.0000	0.00	500	0	
1242 (4)	300.0000	0.00	500	0	
1242 (5)	300.0000	0.00	500	0	
1242 (6)	300.0000	0.00	500	0	
Aroclor 1242	300.0000	0.00	500	0	
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	
0I15055-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1248 (1)	40.0000	0.00	500	0	
1248 (2)	40.0000	0.00	500	0	
1248 (3)	40.0000	0.00	500	0	
1248 (4)	40.0000	0.00	500	0	
1248 (5)	40.0000	0.00	500	0	
1248 (6)	40.0000	0.00	500	0	
Aroclor 1248	40.0000	0.00	500	0	
1248 (1)	100.0000	0.00	500	0	
1248 (2)	100.0000	0.00	500	0	
1248 (3)	100.0000	0.00	500	0	
1248 (4)	100.0000	0.00	500	0	
1248 (5)	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1248 (6)	100.0000	0.00	500	0	
Aroclor 1248	100.0000	0.00	500	0	
1248 (1)	100.0000	0.00	500	0	
1248 (2)	100.0000	0.00	500	0	
1248 (3)	100.0000	0.00	500	0	
1248 (4)	100.0000	0.00	500	0	
1248 (5)	100.0000	0.00	500	0	
1248 (6)	100.0000	0.00	500	0	
Aroclor 1248	100.0000	0.00	500	0	
1248 (1)	300.0000	0.00	500	0	
1248 (2)	300.0000	0.00	500	0	
1248 (3)	300.0000	0.00	500	0	
1248 (4)	300.0000	0.00	500	0	
1248 (5)	300.0000	0.00	500	0	
1248 (6)	300.0000	0.00	500	0	
Aroclor 1248	300.0000	0.00	500	0	
1248 (1)	40.0000	0.00	500	0	
1248 (2)	40.0000	0.00	500	0	
1248 (3)	40.0000	0.00	500	0	
1248 (4)	40.0000	0.00	500	0	
1248 (5)	40.0000	0.00	500	0	
1248 (6)	40.0000	0.00	500	0	
Aroclor 1248	40.0000	0.00	500	0	
0I15055-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	
1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	300.0000	0.00	500	0	
1254 (2)	300.0000	0.00	500	0	
1254 (3)	300.0000	0.00	500	0	
1254 (4)	300.0000	0.00	500	0	
1254 (5)	300.0000	0.00	500	0	
1254 (6)	300.0000	0.00	500	0	
Aroclor 1254	300.0000	0.00	500	0	
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
0I15055-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	300.0000	0.00	500	0	
1262 (2)	300.0000	0.00	500	0	
1262 (3)	300.0000	0.00	500	0	
1262 (4)	300.0000	0.00	500	0	
1262 (5)	300.0000	0.00	500	0	
1262 (6)	300.0000	0.00	500	0	
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	
0I15055-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1268 (1)	40.0000	0.00	500	0	
1268 (2)	40.0000	0.00	500	0	
1268 (3)	40.0000	0.00	500	0	
1268 (4)	40.0000	0.00	500	0	
1268 (5)	40.0000	0.00	500	0	
1268 (6)	40.0000	0.00	500	0	
Aroclor 1268	40.0000	0.00	500	0	
1268 (1)	100.0000	0.00	500	0	
1268 (2)	100.0000	0.00	500	0	
1268 (3)	100.0000	0.00	500	0	
1268 (4)	100.0000	0.00	500	0	
1268 (5)	100.0000	0.00	500	0	
1268 (6)	100.0000	0.00	500	0	
Aroclor 1268	100.0000	0.00	500	0	
1268 (1)	100.0000	0.00	500	0	
1268 (2)	100.0000	0.00	500	0	
1268 (3)	100.0000	0.00	500	0	
1268 (4)	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1268 (5)	100.0000	0.00	500	0
1268 (6)	100.0000	0.00	500	0
Aroclor 1268	100.0000	0.00	500	0
1268 (1)	300.0000	0.00	500	0
1268 (2)	300.0000	0.00	500	0
1268 (3)	300.0000	0.00	500	0
1268 (4)	300.0000	0.00	500	0
1268 (5)	300.0000	0.00	500	0
1268 (6)	300.0000	0.00	500	0
Aroclor 1268	300.0000	0.00	500	0
1268 (1)	40.0000	0.00	500	0
1268 (2)	40.0000	0.00	500	0
1268 (3)	40.0000	0.00	500	0
1268 (4)	40.0000	0.00	500	0
1268 (5)	40.0000	0.00	500	0
1268 (6)	40.0000	0.00	500	0
Aroclor 1268	40.0000	0.00	500	0

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier iMDL iMRL Spike Amt %Difference OK? Raise MRL to ?
 _____ _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0I1705**

Instrument: **DUALECD9R**

8082 PCBs - Low Level (2mL)

Sequence: **0I15055**

Matrix: **Soil**

0I15055-ICV1

	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	332.11	66	
1260 (6)	20	500	332.11	66	
1260 (6)	20	500	332.11	66	
1260 (6)	20	500	332.11	66	
1260 (6)	20	500	332.11	66	

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 : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_09.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:22 pm
 Operator :
 Sample : 0I15055-ICB1
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/17/2020

Clean

Integration File: events.e
 Quant Time: Sep 17 12:23:34 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	155603636	97.312 ng/ml
64) S DCBP (S)	10.871	62094851	87.455 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.441	29623	0.522 ng/ml
3) Aroclor 1016 (2)	6.940	85576	0.943 ng/ml
4) Aroclor 1016 (3)	7.064	74284	1.724 ng/ml
5) Aroclor 1016 (4)	7.158	55119	1.182 ng/ml
6) Aroclor 1016 (5)	7.198	31735	0.626 ng/ml
7) Aroclor 1016 (6)	7.326	37988	0.762 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.954	21147	1.922 ng/ml
10) Aroclor 1221 (2)	6.015	16988	1.530 ng/ml
11) Aroclor 1221 (3)	6.076	2972154	81.319 ng/ml
12) Aroclor 1221 (4)	6.631	28686	3.626 ng/ml
13) Aroclor 1221 (5)	6.940	85576	14.229 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.076	2972154	97.471 ng/ml
16) Aroclor 1232 (2)	6.441	29623	1.466 ng/ml
17) Aroclor 1232 (3)	6.940	85576	2.551 ng/ml
18) Aroclor 1232 (4)	7.158	55119	3.952 ng/ml
19) Aroclor 1232 (5)	7.203	33276	2.092 ng/ml
20) Aroclor 1232 (6)	7.326	37988	2.337 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.441	29623	0.790 ng/ml
23) Aroclor 1242 (2)	6.940	85576	1.422 ng/ml
24) Aroclor 1242 (3)	7.064	74284	2.558 ng/ml
25) Aroclor 1242 (4)	7.158	55119	1.933 ng/ml
26) Aroclor 1242 (5)	7.203	33276	1.008 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_09.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:22 pm
 Operator :
 Sample : 0I15055-ICB1
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:34 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.326	37988	1.137 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.920	105869	2.776 ng/ml
30)	Aroclor 1248 (2)	7.158	55119	1.013 ng/ml
31)	Aroclor 1248 (3)	7.198	31735	0.640 ng/ml
32)	Aroclor 1248 (4)	7.326	37988	0.656 ng/ml
33)	Aroclor 1248 (5)	7.656f	1692240	23.264 ng/ml
34)	Aroclor 1248 (6)	7.856	43927	0.736 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.656	1692240	23.775 ng/ml
37)	Aroclor 1254 (2)	7.856	43927	0.403 ng/ml
38)	Aroclor 1254 (3)	8.175	24001	0.215 ng/ml
39)	Aroclor 1254 (4)	8.406	428052	5.235 ng/ml
40)	Aroclor 1254 (5)	8.758	37067	0.430 ng/ml
41)	Aroclor 1254 (6)	9.006	325432	13.483 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.304	24485	0.255 ng/ml
44)	Aroclor 1260 (2)	8.504	28741	0.250 ng/ml
45)	Aroclor 1260 (3)	8.758	37067	0.328 ng/ml
46)	Aroclor 1260 (4)	9.256	40217	0.245 ng/ml
47)	Aroclor 1260 (5)	9.535	43394	0.447 ng/ml
48)	Aroclor 1260 (6)	10.143	37517	0.969 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.504	28741	0.359 ng/ml
51)	Aroclor 1262 (2)	8.826	48202	0.423 ng/ml
52)	Aroclor 1262 (3)	9.006	325432	3.684 ng/ml
53)	Aroclor 1262 (4)	9.256	40217	0.236 ng/ml
54)	Aroclor 1262 (5)	9.535	43394	0.412 ng/ml
55)	Aroclor 1262 (6)	10.143	37517	0.824 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.048	68208	1.410 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_09.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:22 pm
 Operator :
 Sample : 0I15055-ICB1
 Misc : 1x
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:34 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.535	43394	0.230 ng/ml
59)	Aroclor 1268 (3)	9.603	31544	0.209 ng/ml
60)	Aroclor 1268 (4)	9.840	1407317	10.553 ng/ml
61)	Aroclor 1268 (5)	10.143	37517	0.756 ng/ml
62)	Aroclor 1268 (6)	10.528	2529079	7.378 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

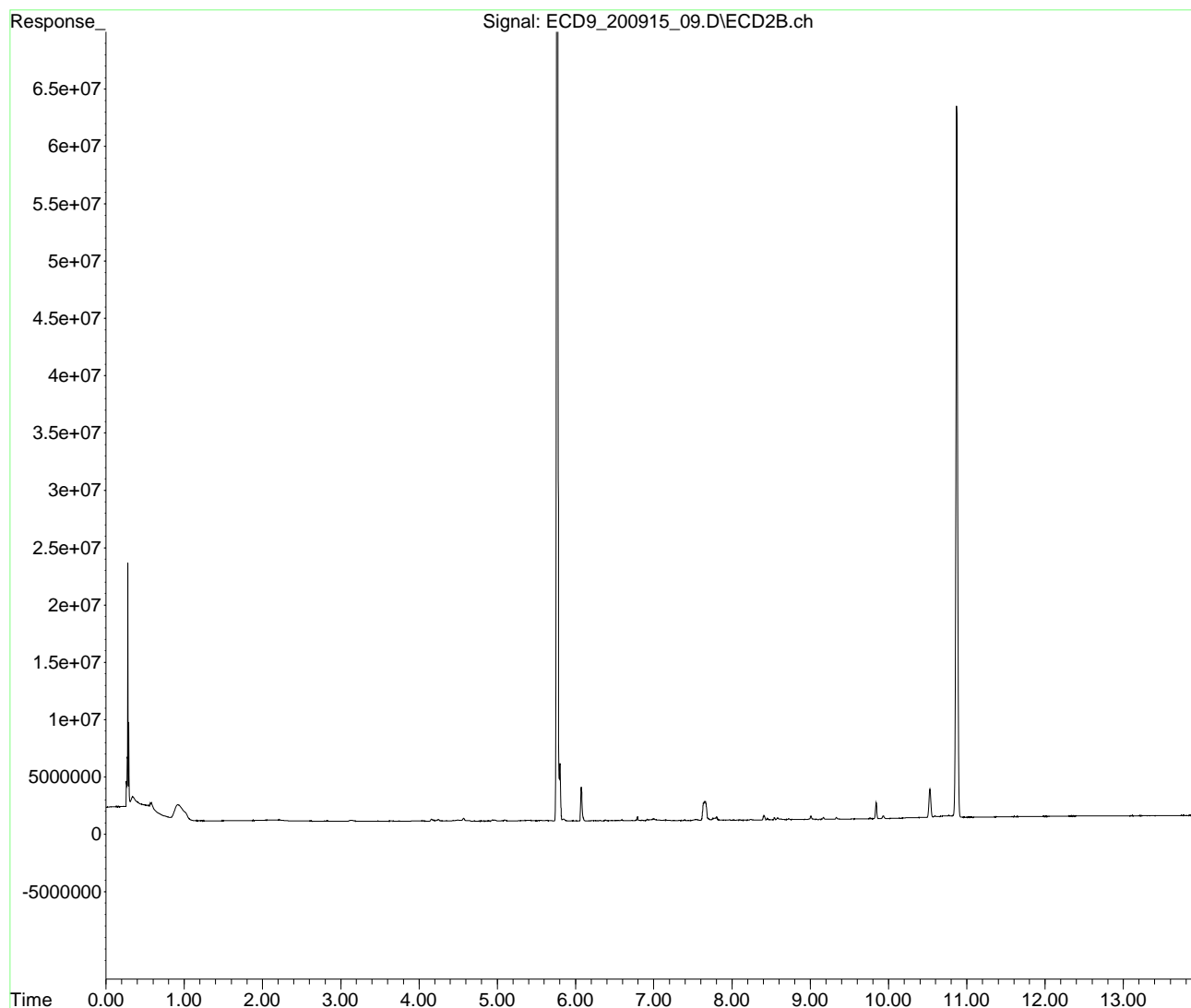
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:22 pm
Operator :
Sample : 0I15055-ICB1
Misc : 1x
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_25.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:45 pm
 Operator :
 Sample : 0I15055-IBL1
 Misc : 1x
 ALS Vial : 1 Sample Multiplier: 1

KAK 9/17/2020

Clean

Integration File: events.e
 Quant Time: Sep 17 12:23:40 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.841f	198120	0.124 ng/ml
64) S DCBP (S)	10.867	29749	0.042 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.433	26723	0.471 ng/ml
3) Aroclor 1016 (2)	6.940	33378	0.368 ng/ml
4) Aroclor 1016 (3)	7.075	45591	1.058 ng/ml
5) Aroclor 1016 (4)	7.158	36657	0.786 ng/ml
6) Aroclor 1016 (5)	7.200	18434	0.363 ng/ml
7) Aroclor 1016 (6)	7.326	23029	0.462 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.954	38198	3.472 ng/ml
10) Aroclor 1221 (2)	6.018	24772	2.231 ng/ml
11) Aroclor 1221 (3)	6.122	13690	0.375 ng/ml
12) Aroclor 1221 (4)	6.624	12137	1.534 ng/ml
13) Aroclor 1221 (5)	6.940	33378	5.550 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.122	13690	0.449 ng/ml
16) Aroclor 1232 (2)	6.433	26723	1.323 ng/ml
17) Aroclor 1232 (3)	6.940	33378	0.995 ng/ml
18) Aroclor 1232 (4)	7.158	36657	2.628 ng/ml
19) Aroclor 1232 (5)	7.200	18434	1.159 ng/ml
20) Aroclor 1232 (6)	7.326	23029	1.417 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.433	26723	0.712 ng/ml
23) Aroclor 1242 (2)	6.940	33378	0.555 ng/ml
24) Aroclor 1242 (3)	7.075	45591	1.570 ng/ml
25) Aroclor 1242 (4)	7.158	36657	1.286 ng/ml
26) Aroclor 1242 (5)	7.200	18434	0.558 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_25.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:45 pm
 Operator :
 Sample : 0I15055-IBL1
 Misc : 1x
 ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:40 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.326	23029	0.689 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.917	83357	2.186 ng/ml
30)	Aroclor 1248 (2)	7.158	36657	0.674 ng/ml
31)	Aroclor 1248 (3)	7.200	18434	0.372 ng/ml
32)	Aroclor 1248 (4)	7.326	23029	0.398 ng/ml
33)	Aroclor 1248 (5)	7.668	1303559	17.920 ng/ml
34)	Aroclor 1248 (6)	7.866	30402	0.510 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.668	1303559	18.314 ng/ml
37)	Aroclor 1254 (2)	7.866	30402	0.279 ng/ml
38)	Aroclor 1254 (3)	8.173	16102	0.144 ng/ml
39)	Aroclor 1254 (4)	8.416	182698	2.234 ng/ml
40)	Aroclor 1254 (5)	8.748	18291	0.212 ng/ml
41)	Aroclor 1254 (6)	9.000	463729	19.213 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.304	15448	0.161 ng/ml
44)	Aroclor 1260 (2)	8.513	20087	0.175 ng/ml
45)	Aroclor 1260 (3)	8.748	18291	0.162 ng/ml
46)	Aroclor 1260 (4)	9.254	25328	0.154 ng/ml
47)	Aroclor 1260 (5)	9.532	17899	0.184 ng/ml
48)	Aroclor 1260 (6)	10.145	16167	0.417 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.513	20087	0.251 ng/ml
51)	Aroclor 1262 (2)	8.822	19677	0.173 ng/ml
52)	Aroclor 1262 (3)	9.000	463729	5.250 ng/ml
53)	Aroclor 1262 (4)	9.254	25328	0.149 ng/ml
54)	Aroclor 1262 (5)	9.532	17899	0.170 ng/ml
55)	Aroclor 1262 (6)	10.145	16167	0.355 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.063	16121	0.333 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_25.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:45 pm
 Operator :
 Sample : 0I15055-IBL1
 Misc : 1x
 ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:40 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.532	17899	0.095 ng/ml
59)	Aroclor 1268 (3)	9.596	11623	0.077 ng/ml
60)	Aroclor 1268 (4)	9.833	12855	0.096 ng/ml
61)	Aroclor 1268 (5)	10.145	16167	0.326 ng/ml
62)	Aroclor 1268 (6)	10.512	14820	0.043 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

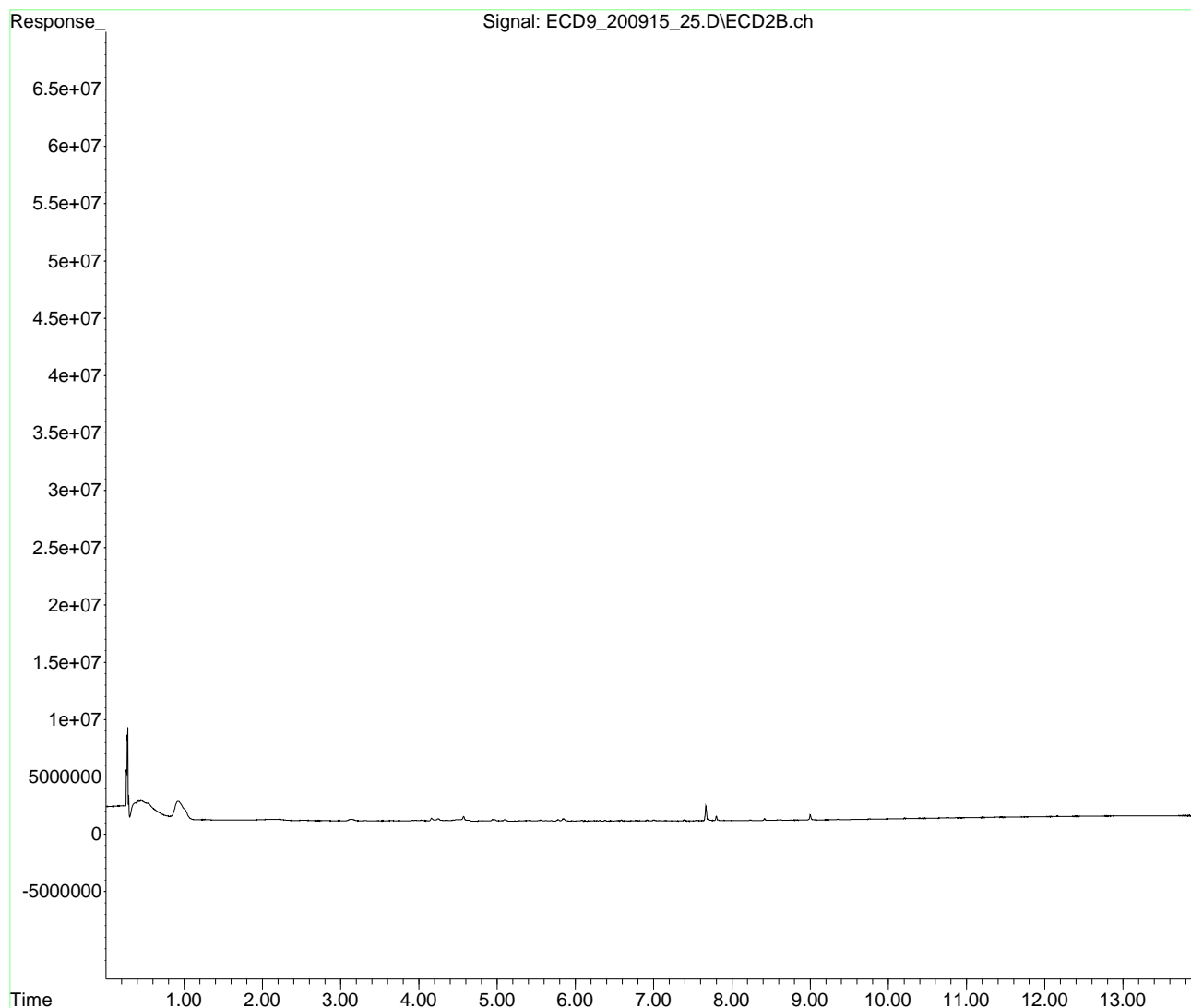
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_25.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:45 pm
Operator :
Sample : 0I15055-IBL1
Misc : 1x
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:40 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_27.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:03 pm
 Operator :
 Sample : 0I15055-ICV1
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:23:44 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	301162949	188.342 ng/ml
64) S DCBP (S)	10.862	120481983	169.688 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.446	24044898	423.981 ng/ml
3) Aroclor 1016 (2)	6.937	40380851	444.819 ng/ml
4) Aroclor 1016 (3)	7.066	18030033	418.508 ng/ml
5) Aroclor 1016 (4)	7.154	19264334	413.079 ng/ml
6) Aroclor 1016 (5)	7.199	20877685	411.629 ng/ml
7) Aroclor 1016 (6)	7.325	20750352	416.125 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.945	1501000	136.435 ng/ml
10) Aroclor 1221 (2)	6.018	2897003	260.849 ng/ml
11) Aroclor 1221 (3)	6.106	13488876	369.059 ng/ml
12) Aroclor 1221 (4)	6.620	13590480	1717.908 ng/ml
13) Aroclor 1221 (5)	6.937	40380851	6714.195 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.106	13488876	442.363 ng/ml
16) Aroclor 1232 (2)	6.446	24044898	1190.078 ng/ml
17) Aroclor 1232 (3)	6.937	40380851	1203.693 ng/ml
18) Aroclor 1232 (4)	7.154	19264334	1381.289 ng/ml
19) Aroclor 1232 (5)	7.199	20877685	1312.304 ng/ml
20) Aroclor 1232 (6)	7.325	20750352	1276.593 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.446	24044898	640.929 ng/ml
23) Aroclor 1242 (2)	6.937	40380851	671.194 ng/ml
24) Aroclor 1242 (3)	7.066	18030033	620.762 ng/ml
25) Aroclor 1242 (4)	7.154	19264334	675.570 ng/ml
26) Aroclor 1242 (5)	7.199	20877685	632.172 ng/ml

421.357

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_27.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:03 pm
 Operator :
 Sample : 0I15055-ICV1
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:44 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	7.325	20750352	621.039 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.910	34680303	909.346 ng/ml
30) Aroclor 1248 (2)	7.154	19264334	354.001 ng/ml
31) Aroclor 1248 (3)	7.199	20877685	420.816 ng/ml
32) Aroclor 1248 (4)	7.325	20750352	358.355 ng/ml
33) Aroclor 1248 (5)	7.694	3900328	53.619 ng/ml
34) Aroclor 1248 (6)	7.854	19555972	327.811 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.671	18350981	257.819 ng/ml
37) Aroclor 1254 (2)	7.854	19555972	179.602 ng/ml
38) Aroclor 1254 (3)	8.168	9777665	87.677 ng/ml
39) Aroclor 1254 (4)	8.410	6328116	77.396 ng/ml
40) Aroclor 1254 (5)	8.748	57383716	664.924 ng/ml
41) Aroclor 1254 (6)	8.970	6697522	277.490 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	46812314	486.954 ng/ml
44) Aroclor 1260 (2)	8.513	55675954	484.767 ng/ml
45) Aroclor 1260 (3)	8.748	57383716	507.592 ng/ml
46) Aroclor 1260 (4)	9.253	68889139	419.360 ng/ml
47) Aroclor 1260 (5)	9.530	40502877	416.909 ng/ml
48) Aroclor 1260 (6)	10.140	12861846	332.108 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.513	55675954	695.569 ng/ml
51) Aroclor 1262 (2)	8.818	33351979	292.829 ng/ml
52) Aroclor 1262 (3)	8.999	35339553	400.058 ng/ml
53) Aroclor 1262 (4)	9.253	68889139	403.971 ng/ml
54) Aroclor 1262 (5)	9.530	40502877	384.684 ng/ml
55) Aroclor 1262 (6)	10.140	12861846	282.619 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.045	2451338	50.676 ng/ml

441.282

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_27.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:03 pm
 Operator :
 Sample : 0I15055-ICV1
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:44 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.530	40502877	214.351 ng/ml
59)	Aroclor 1268 (3)	9.599	13669542	90.469 ng/ml
60)	Aroclor 1268 (4)	9.833	3296948	24.722 ng/ml
61)	Aroclor 1268 (5)	10.140	12861846	259.290 ng/ml
62)	Aroclor 1268 (6)	10.521	7868271	22.953 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

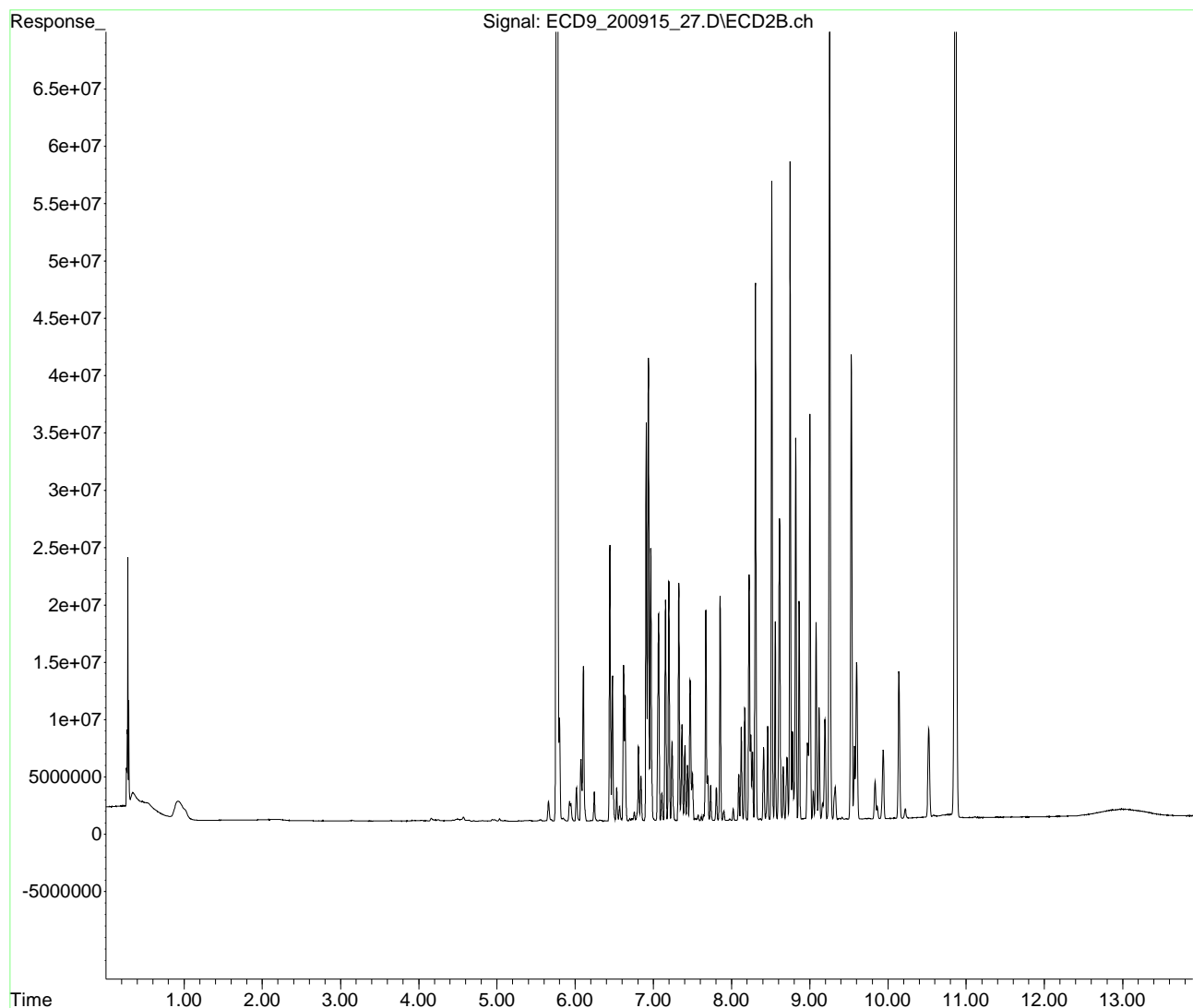
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:03 pm
Operator :
Sample : 0I15055-ICV1
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:44 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_43.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:26 pm
 Operator :
 Sample : 0I15055-ICV2
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:23:49 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	62361978	39.000 ng/ml
64) S DCBP (S)	10.861	60763588	85.580 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	4379547	77.224 ng/ml
3) Aroclor 1016 (2)	6.937	6329451	69.723 ng/ml
4) Aroclor 1016 (3)	7.065	2924409	67.881 ng/ml
5) Aroclor 1016 (4)	7.153	22517066	482.827 ng/ml
6) Aroclor 1016 (5)	7.199	7805539	153.896 ng/ml
7) Aroclor 1016 (6)	7.325	13063493	261.973 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.945	10700946	972.671 ng/ml
10) Aroclor 1221 (2)	6.018	10347995	931.744 ng/ml
11) Aroclor 1221 (3)	6.106	35637160	975.041 ng/ml
12) Aroclor 1221 (4)	6.620	7659806	968.240 ng/ml
13) Aroclor 1221 (5)	6.937	6329451	1052.409 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.106	35637160	1168.709 ng/ml
16) Aroclor 1232 (2)	6.445	4379547	216.761 ng/ml
17) Aroclor 1232 (3)	6.937	6329451	188.672 ng/ml
18) Aroclor 1232 (4)	7.153	22517066	1614.516 ng/ml
19) Aroclor 1232 (5)	7.199	7805539	490.631 ng/ml
20) Aroclor 1232 (6)	7.325	13063493	803.686 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.445	4379547	116.739 ng/ml
23) Aroclor 1242 (2)	6.937	6329451	105.205 ng/ml
24) Aroclor 1242 (3)	7.065	2924409	100.685 ng/ml
25) Aroclor 1242 (4)	7.153	22517066	789.638 ng/ml
26) Aroclor 1242 (5)	7.199	7805539	236.350 ng/ml

980.021

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_43.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:26 pm
 Operator :
 Sample : 0I15055-ICV2
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:49 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	7.325	13063493	390.978 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.910	5498371	144.172 ng/ml
30) Aroclor 1248 (2)	7.153	22517066	413.773 ng/ml
31) Aroclor 1248 (3)	7.199	7805539	157.330 ng/ml
32) Aroclor 1248 (4)	7.325	13063493	225.604 ng/ml
33) Aroclor 1248 (5)	7.693	19529862	268.482 ng/ml
34) Aroclor 1248 (6)	7.854	56097019	940.338 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.672	38196605	536.636 ng/ml
37) Aroclor 1254 (2)	7.854	56097019	515.194 ng/ml
38) Aroclor 1254 (3)	8.168	56241584	504.322 ng/ml
39) Aroclor 1254 (4)	8.408	40801417	499.024 ng/ml
40) Aroclor 1254 (5)	8.746	42686972	494.628 ng/ml
41) Aroclor 1254 (6)	8.980	11377255	471.380 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	21526483	223.924 ng/ml
44) Aroclor 1260 (2)	8.512	25095879	218.508 ng/ml
45) Aroclor 1260 (3)	8.746	42686972	377.591 ng/ml
46) Aroclor 1260 (4)	9.252	7007737	42.659 ng/ml
47) Aroclor 1260 (5)	9.528	5273069	54.277 ng/ml
48) Aroclor 1260 (6)	10.139	449323	11.602 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.512	25095879	313.527 ng/ml
51) Aroclor 1262 (2)	8.817	2675944	23.495 ng/ml
52) Aroclor 1262 (3)	8.980	11377255	128.795 ng/ml
53) Aroclor 1262 (4)	9.252	7007737	41.094 ng/ml
54) Aroclor 1262 (5)	9.528	5273069	50.082 ng/ml
55) Aroclor 1262 (6)	10.139	449323	9.873 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.044	343344	7.098 ng/ml

503.531

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_43.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:26 pm
 Operator :
 Sample : 0I15055-ICV2
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:49 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.528	5273069	27.906 ng/ml
59)	Aroclor 1268 (3)	9.598	531512	3.518 ng/ml
60)	Aroclor 1268 (4)	9.832	230097	1.725 ng/ml
61)	Aroclor 1268 (5)	10.139	449323	9.058 ng/ml
62)	Aroclor 1268 (6)	10.520	308406	0.900 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

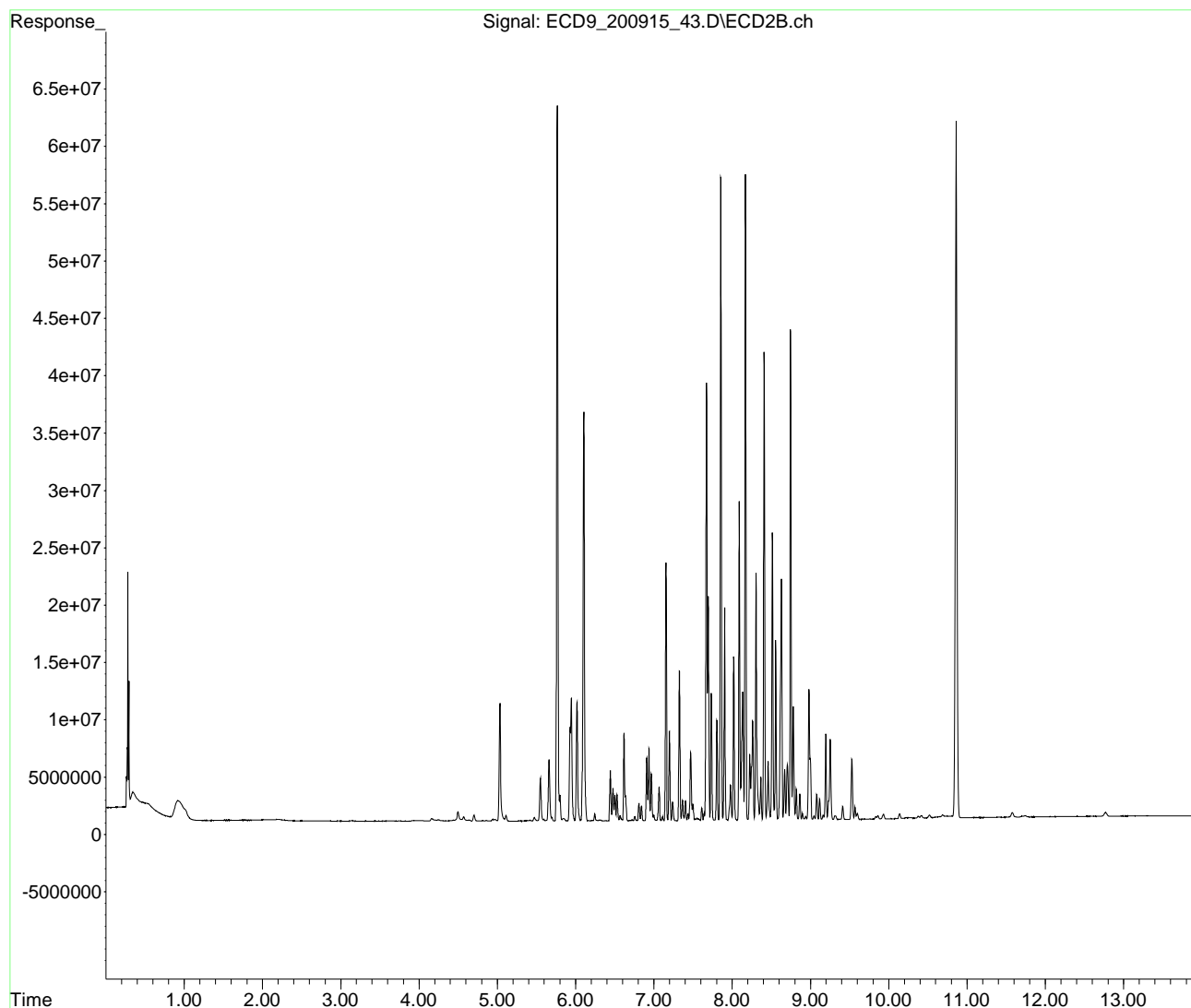
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_43.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:26 pm
Operator :
Sample : 0I15055-ICV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:49 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_45.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:44 pm
 Operator :
 Sample : 0I15055-ICV3
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:23:54 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	63953085	39.995 ng/ml
64) S DCBP (S)	10.862	60503186	85.214 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	10545776	185.952 ng/ml
3) Aroclor 1016 (2)	6.937	17859281	196.731 ng/ml
4) Aroclor 1016 (3)	7.065	8307213	192.825 ng/ml
5) Aroclor 1016 (4)	7.153	7582016	162.579 ng/ml
6) Aroclor 1016 (5)	7.199	8453737	166.676 ng/ml
7) Aroclor 1016 (6)	7.325	8569901	171.860 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.945	3681628	334.644 ng/ml
10) Aroclor 1221 (2)	6.018	4231935	381.048 ng/ml
11) Aroclor 1221 (3)	6.106	14942233	408.823 ng/ml
12) Aroclor 1221 (4)	6.620	7677693	970.501 ng/ml
13) Aroclor 1221 (5)	6.937	17859281	2969.494 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.106	14942233	490.026 ng/ml
16) Aroclor 1232 (2)	6.445	10545776	521.953 ng/ml
17) Aroclor 1232 (3)	6.937	17859281	532.359 ng/ml
18) Aroclor 1232 (4)	7.153	7582016	543.645 ng/ml
19) Aroclor 1232 (5)	7.199	8453737	531.375 ng/ml
20) Aroclor 1232 (6)	7.325	8569901	527.233 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.445	10545776	281.103 ng/ml
23) Aroclor 1242 (2)	6.937	17859281	296.850 ng/ml
24) Aroclor 1242 (3)	7.065	8307213	286.012 ng/ml
25) Aroclor 1242 (4)	7.153	7582016	265.889 ng/ml
26) Aroclor 1242 (5)	7.199	8453737	255.977 ng/ml

524.432

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_45.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:44 pm
 Operator :
 Sample : 0I15055-ICV3
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:54 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.325	8569901	256.489 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.909	14882407	390.229 ng/ml
30)	Aroclor 1248 (2)	7.153	7582016	139.327 ng/ml
31)	Aroclor 1248 (3)	7.199	8453737	170.396 ng/ml
32)	Aroclor 1248 (4)	7.325	8569901	148.001 ng/ml
33)	Aroclor 1248 (5)	7.693	9825130	135.068 ng/ml
34)	Aroclor 1248 (6)	7.852	13009688	218.078 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.673	11249020	158.041 ng/ml
37)	Aroclor 1254 (2)	7.852	13009688	119.481 ng/ml
38)	Aroclor 1254 (3)	8.168	5131396	46.014 ng/ml
39)	Aroclor 1254 (4)	8.408	4017521	49.136 ng/ml
40)	Aroclor 1254 (5)	8.749	31024735	359.494 ng/ml
41)	Aroclor 1254 (6)	8.967	9803122	406.161 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.305	34033086	354.021 ng/ml
44)	Aroclor 1260 (2)	8.512	41191096	358.648 ng/ml
45)	Aroclor 1260 (3)	8.749	31024735	274.432 ng/ml
46)	Aroclor 1260 (4)	9.252	82948997	504.949 ng/ml
47)	Aroclor 1260 (5)	9.530	50470045	519.505 ng/ml
48)	Aroclor 1260 (6)	10.139	22347569	577.040 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.512	41191096	514.607 ng/ml
51)	Aroclor 1262 (2)	8.818	57287693	502.984 ng/ml
52)	Aroclor 1262 (3)	8.999	43412369	491.445 ng/ml
53)	Aroclor 1262 (4)	9.252	82948997	486.419 ng/ml
54)	Aroclor 1262 (5)	9.530	50470045	479.349 ng/ml
55)	Aroclor 1262 (6)	10.139	22347569	491.053 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.043	6135907	126.847 ng/ml

494.310

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_45.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:44 pm
 Operator :
 Sample : 0I15055-ICV3
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:23:54 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.530	50470045	267.100 ng/ml
59)	Aroclor 1268 (3)	9.599	27921470	184.793 ng/ml
60)	Aroclor 1268 (4)	9.832	2291579	17.183 ng/ml
61)	Aroclor 1268 (5)	10.139	22347569	450.519 ng/ml
62)	Aroclor 1268 (6)	10.520	7146293	20.847 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

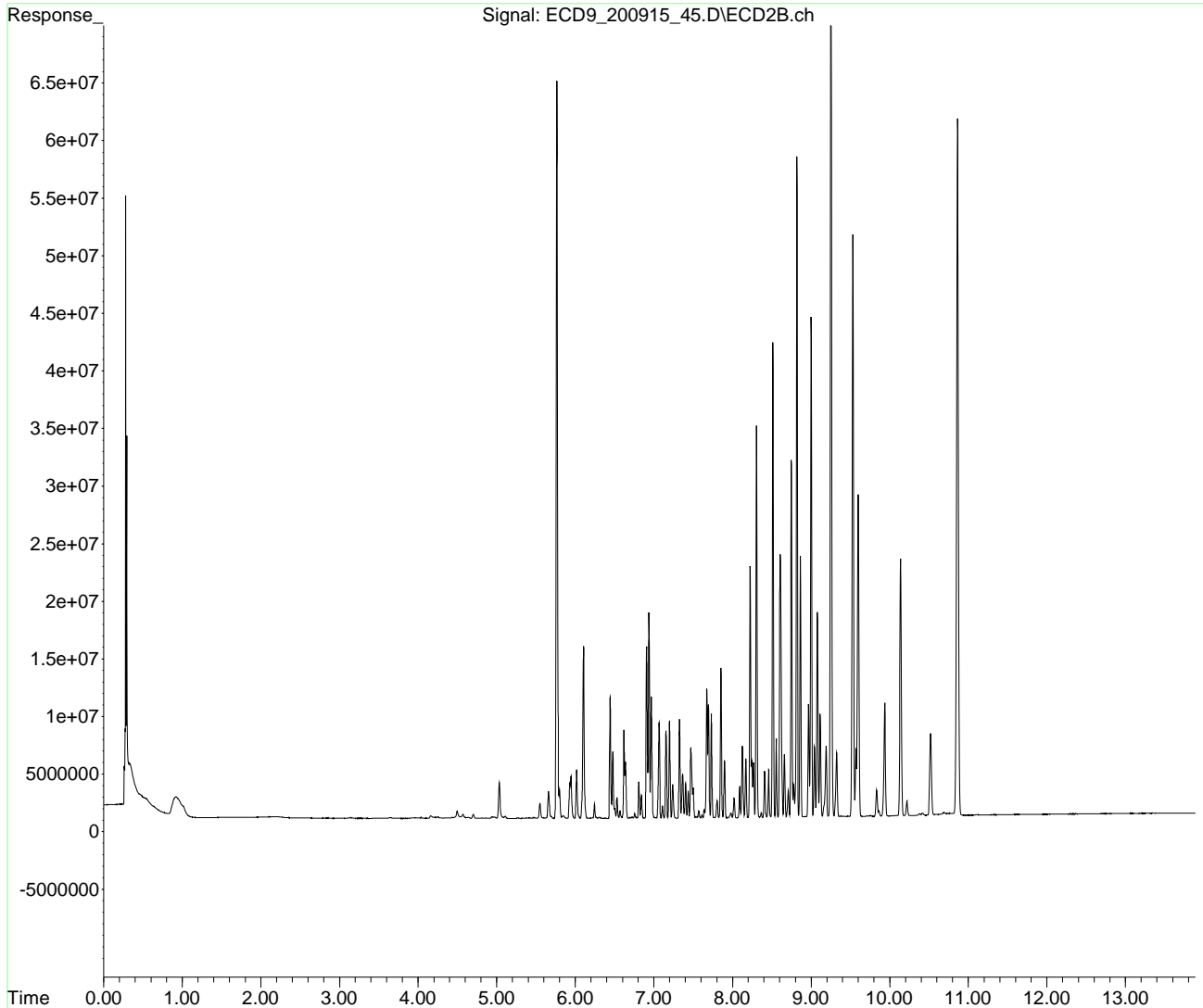
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_45.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:44 pm
Operator :
Sample : 0I15055-ICV3
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_47.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 08:02 pm
 Operator :
 Sample : 0I15055-ICV4
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:24:00 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	67883272	42.453 ng/ml
64) S DCBP (S)	10.860	29935409	42.161 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.446	20489618	361.291 ng/ml
3) Aroclor 1016 (2)	6.937	33777685	372.082 ng/ml
4) Aroclor 1016 (3)	7.065	14888779	345.594 ng/ml
5) Aroclor 1016 (4)	7.153	15150323	324.864 ng/ml
6) Aroclor 1016 (5)	7.199	17104355	337.233 ng/ml
7) Aroclor 1016 (6)	7.325	17422928	349.397 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.945	1344413	122.201 ng/ml
10) Aroclor 1221 (2)	6.018	2661905	239.681 ng/ml
11) Aroclor 1221 (3)	6.106	11700053	320.116 ng/ml
12) Aroclor 1221 (4)	6.620	11945711	1510.000 ng/ml
13) Aroclor 1221 (5)	6.937	33777685	5616.275 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.106	11700053	383.699 ng/ml
16) Aroclor 1232 (2)	6.446	20489618	1014.113 ng/ml
17) Aroclor 1232 (3)	6.937	33777685	1006.863 ng/ml
18) Aroclor 1232 (4)	7.153	15150323	1086.307 ng/ml
19) Aroclor 1232 (5)	7.199	17104355	1075.125 ng/ml
20) Aroclor 1232 (6)	7.325	17422928	1071.885 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.446	20489618	546.162 ng/ml
23) Aroclor 1242 (2)	6.937	33777685	561.439 ng/ml
24) Aroclor 1242 (3)	7.065	14888779	512.610 ng/ml
25) Aroclor 1242 (4)	7.153	15150323	531.298 ng/ml
26) Aroclor 1242 (5)	7.199	17104355	517.916 ng/ml

531.813

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_47.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 08:02 pm
 Operator :
 Sample : 0I15055-ICV4
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:24:00 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.325	17422928	521.452 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.909	28075880	736.173 ng/ml
30)	Aroclor 1248 (2)	7.153	15150323	278.402 ng/ml
31)	Aroclor 1248 (3)	7.199	17104355	344.760 ng/ml
32)	Aroclor 1248 (4)	7.325	17422928	300.891 ng/ml
33)	Aroclor 1248 (5)	7.693	18910029	259.961 ng/ml
34)	Aroclor 1248 (6)	7.851	14143464	237.083 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.674	13433567	188.732 ng/ml
37)	Aroclor 1254 (2)	7.851	14143464	129.893 ng/ml
38)	Aroclor 1254 (3)	8.167	5736973	51.444 ng/ml
39)	Aroclor 1254 (4)	8.407	4073468	49.821 ng/ml
40)	Aroclor 1254 (5)	8.748	1221991	14.160 ng/ml
41)	Aroclor 1254 (6)	8.967	1085381	44.969 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.305	552933	5.752 ng/ml
44)	Aroclor 1260 (2)	8.511	919661	8.007 ng/ml
45)	Aroclor 1260 (3)	8.748	1221991	10.809 ng/ml
46)	Aroclor 1260 (4)	9.250	10205563	62.126 ng/ml
47)	Aroclor 1260 (5)	9.531	101438322	1044.138 ng/ml
48)	Aroclor 1260 (6)	10.138	26506303	684.423 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.511	919661	11.489 ng/ml
51)	Aroclor 1262 (2)	8.817	22402168	196.690 ng/ml
52)	Aroclor 1262 (3)	8.999	1836798	20.793 ng/ml
53)	Aroclor 1262 (4)	9.250	10205563	59.846 ng/ml
54)	Aroclor 1262 (5)	9.531	101438322	963.429 ng/ml
55)	Aroclor 1262 (6)	10.138	26506303	582.435 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.043	24879596	514.333 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_47.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 08:02 pm
 Operator :
 Sample : 0I15055-ICV4
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:24:00 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units	
58)	Aroclor 1268 (2)	9.531	101438322	536.836 ng/ml	
59)	Aroclor 1268 (3)	9.601	81618202	540.175 ng/ml	
60)	Aroclor 1268 (4)	9.831	67695581	507.614 ng/ml	
61)	Aroclor 1268 (5)	10.138	26506303	534.358 ng/ml	519.754
62)	Aroclor 1268 (6)	10.518	166328392	485.210 ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml	

(f)=RT Delta > 1/2 Window

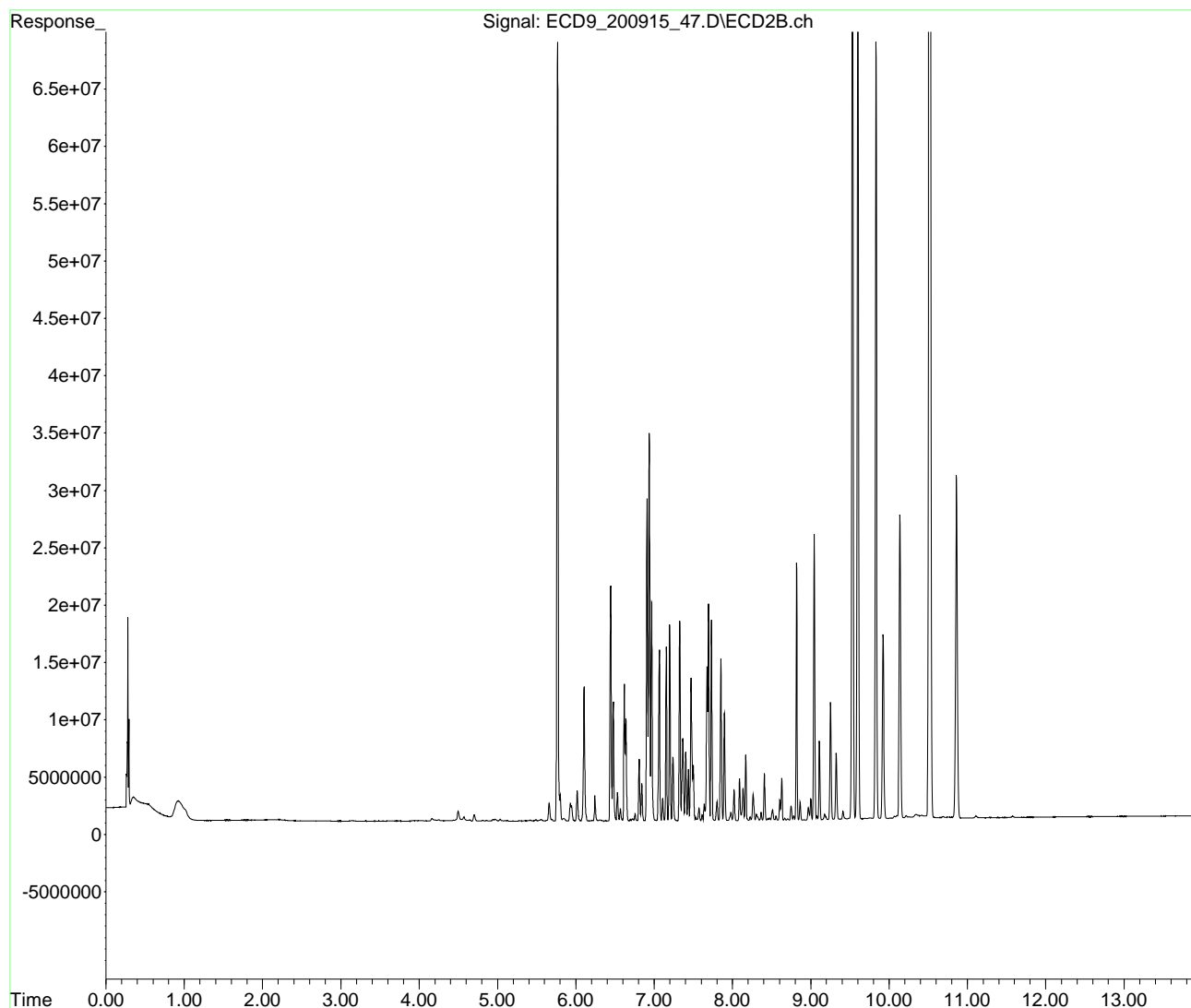
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_47.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:02 pm
Operator :
Sample : 0I15055-ICV4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:00 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_49.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 08:20 pm
 Operator :
 Sample : 0I15055-ICV5
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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Integration File: events.e
 Quant Time: Sep 17 12:24:04 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.783	59510	0.037 ng/ml
64) S DCBP (S)	10.900	20473	0.029 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	10365420	182.772 ng/ml
3) Aroclor 1016 (2)	6.937	18214338	200.642 ng/ml
4) Aroclor 1016 (3)	7.063	8961454	208.011 ng/ml
5) Aroclor 1016 (4)	7.154	26728870	573.139 ng/ml
6) Aroclor 1016 (5)	7.199	24846632	489.882 ng/ml
7) Aroclor 1016 (6)	7.325	28947784	580.515 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.948	138654	12.603 ng/ml
10) Aroclor 1221 (2)	6.018	259364	23.353 ng/ml
11) Aroclor 1221 (3)	6.106	1477100	40.414 ng/ml
12) Aroclor 1221 (4)	6.620	4072674	514.807 ng/ml
13) Aroclor 1221 (5)	6.937	18214338	3028.530 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.106	1477100	48.441 ng/ml
16) Aroclor 1232 (2)	6.445	10365420	513.026 ng/ml
17) Aroclor 1232 (3)	6.937	18214338	542.942 ng/ml
18) Aroclor 1232 (4)	7.154	26728870	1916.510 ng/ml
19) Aroclor 1232 (5)	7.199	24846632	1561.779 ng/ml
20) Aroclor 1232 (6)	7.325	28947784	1780.912 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.445	10365420	276.296 ng/ml
23) Aroclor 1242 (2)	6.937	18214338	302.751 ng/ml
24) Aroclor 1242 (3)	7.063	8961454	308.537 ng/ml
25) Aroclor 1242 (4)	7.154	26728870	937.339 ng/ml
26) Aroclor 1242 (5)	7.199	24846632	752.351 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_49.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 08:20 pm
 Operator :
 Sample : 0I15055-ICV5
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:24:04 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	7.325	28947784	866.380 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.910	19340333	507.120 ng/ml	
30) Aroclor 1248 (2)	7.154	26728870	491.169 ng/ml	
31) Aroclor 1248 (3)	7.199	24846632	500.815 ng/ml	499.032
32) Aroclor 1248 (4)	7.325	28947784	499.923 ng/ml	
33) Aroclor 1248 (5)	7.694	35792045	492.042 ng/ml	
34) Aroclor 1248 (6)	7.852	30014465	503.124 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.674	26088998	366.533 ng/ml	
37) Aroclor 1254 (2)	7.852	30014465	275.652 ng/ml	
38) Aroclor 1254 (3)	8.168	17895206	160.468 ng/ml	
39) Aroclor 1254 (4)	8.408	12542207	153.398 ng/ml	
40) Aroclor 1254 (5)	8.746	3037722	35.199 ng/ml	
41) Aroclor 1254 (6)	8.980	1185751	49.128 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	8.306	1771705	18.430 ng/ml	
44) Aroclor 1260 (2)	8.510	2077462	18.088 ng/ml	
45) Aroclor 1260 (3)	8.746	3037722	26.870 ng/ml	
46) Aroclor 1260 (4)	9.252	622269	3.788 ng/ml	
47) Aroclor 1260 (5)	9.529	438059	4.509 ng/ml	
48) Aroclor 1260 (6)	10.140	126794	3.274 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	8.510	2077462	25.954 ng/ml	
51) Aroclor 1262 (2)	8.818	295694	2.596 ng/ml	
52) Aroclor 1262 (3)	8.997	580113	6.567 ng/ml	
53) Aroclor 1262 (4)	9.252	622269	3.649 ng/ml	
54) Aroclor 1262 (5)	9.529	438059	4.161 ng/ml	
55) Aroclor 1262 (6)	10.140	126794	2.786 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	9.043	34877	0.721 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_49.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 08:20 pm
 Operator :
 Sample : 0I15055-ICV5
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:24:04 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.529	438059	2.318 ng/ml
59)	Aroclor 1268 (3)	9.599	132567	0.877 ng/ml
60)	Aroclor 1268 (4)	9.832	26744	0.201 ng/ml
61)	Aroclor 1268 (5)	10.140	126794	2.556 ng/ml
62)	Aroclor 1268 (6)	10.522	54969	0.160 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

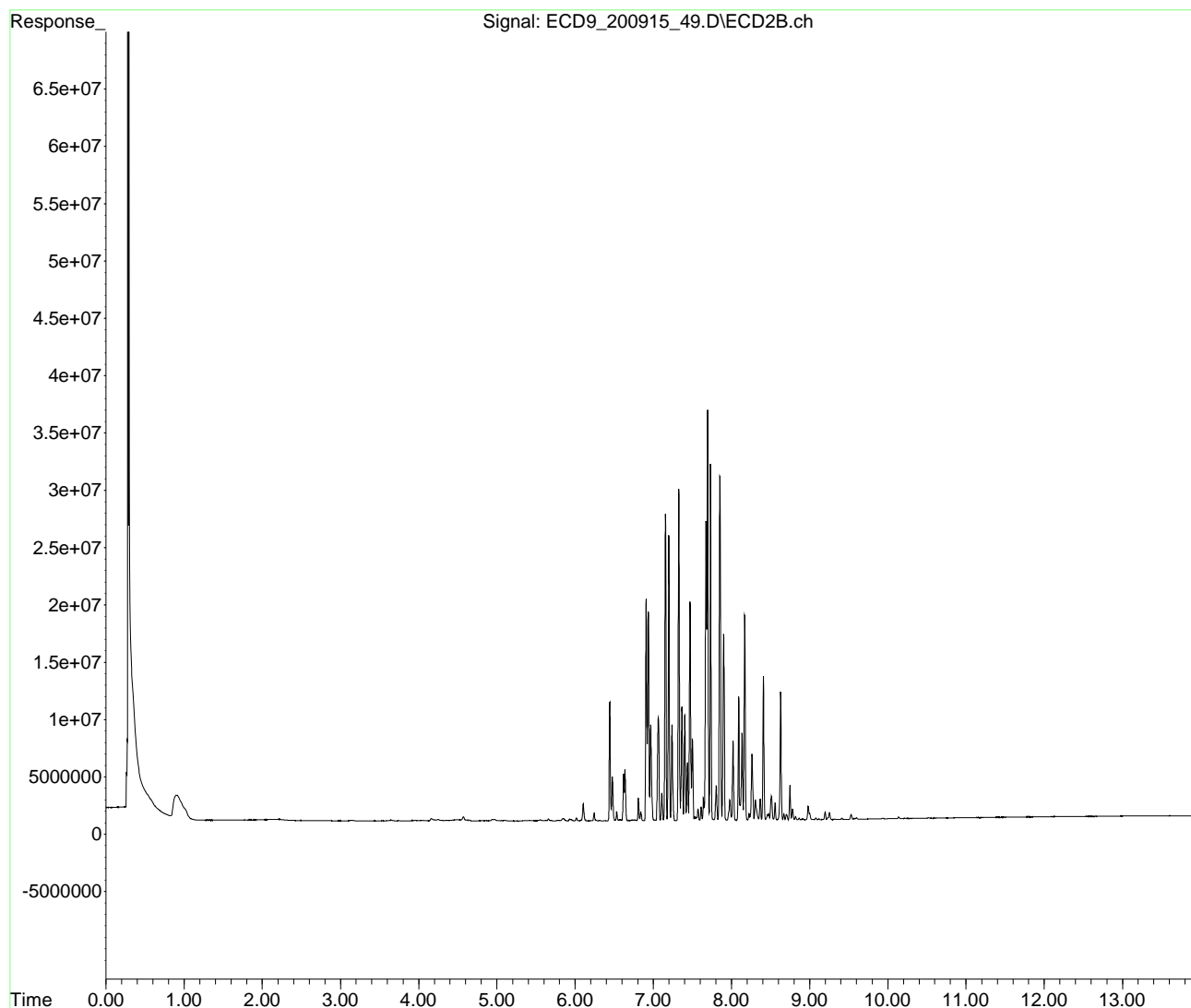
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_49.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:20 pm
Operator :
Sample : 0I15055-ICV5
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_11.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:40 pm
 Operator :
 Sample : 0I15055-CAL1
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:13:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.765	15318713	9.580 ng/ml	
64) S DCBP (S)	10.864	7255594	10.219 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.445	1421961	25.073 ng/ml	
3) Aroclor 1016 (2)	6.938	2055115	22.638 ng/ml	
4) Aroclor 1016 (3)	7.066	1062102	24.653 ng/ml	✓
5) Aroclor 1016 (4)	7.154	1186017	25.431 ng/ml	
6) Aroclor 1016 (5)	7.199	1276460	25.167 ng/ml	
7) Aroclor 1016 (6)	7.326	1225054	24.567 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_11.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:40 pm
 Operator :
 Sample : 0I15055-CAL1
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:13:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	2287238	23.792	ng/ml
44)	Aroclor 1260 (2)	8.514	2618678	22.801	ng/ml
45)	Aroclor 1260 (3)	8.749	2540989	22.477	ng/ml
46)	Aroclor 1260 (4)	9.254	3468598	21.115	ng/ml
47)	Aroclor 1260 (5)	9.531	2208139	22.729	ng/ml
48)	Aroclor 1260 (6)	10.141	958372	24.746	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_11.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:40 pm
 Operator :
 Sample : 0I15055-CAL1
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:13:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

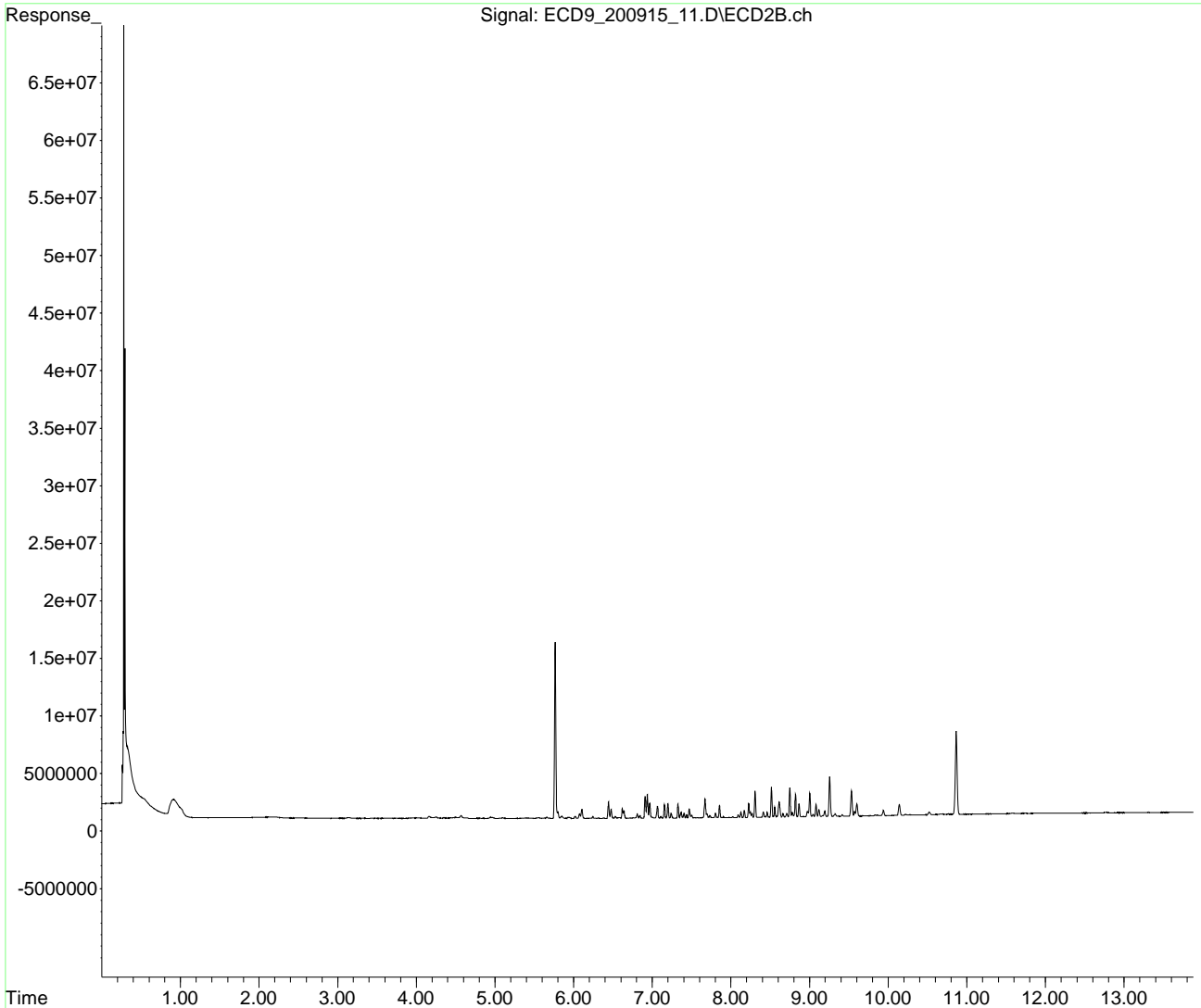
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:13:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_13.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:58 pm
 Operator :
 Sample : 0I15055-CAL2
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

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Integration File: events.e
 Quant Time: Sep 17 12:14:56 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.765	39671191	24.810 ng/ml	
64) S DCBP (S)	10.863	17638940	24.843 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.445	3125541	55.112 ng/ml	
3) Aroclor 1016 (2)	6.938	4809232	52.977 ng/ml	
4) Aroclor 1016 (3)	7.066	2362528	54.838 ng/ml	
5) Aroclor 1016 (4)	7.154	2649767	56.818 ng/ml	✓
6) Aroclor 1016 (5)	7.199	2870001	56.586 ng/ml	
7) Aroclor 1016 (6)	7.325	2792685	56.004 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_13.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:58 pm
 Operator :
 Sample : 0I15055-CAL2
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:14:56 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	5074049	52.782	ng/ml
44)	Aroclor 1260 (2)	8.513	6172285	53.742	ng/ml
45)	Aroclor 1260 (3)	8.749	5911953	52.295	ng/ml
46)	Aroclor 1260 (4)	9.253	8514952	51.834	ng/ml
47)	Aroclor 1260 (5)	9.531	5167629	53.192	ng/ml
48)	Aroclor 1260 (6)	10.140	2167449	55.966	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_13.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:58 pm
 Operator :
 Sample : 0I15055-CAL2
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:14:56 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

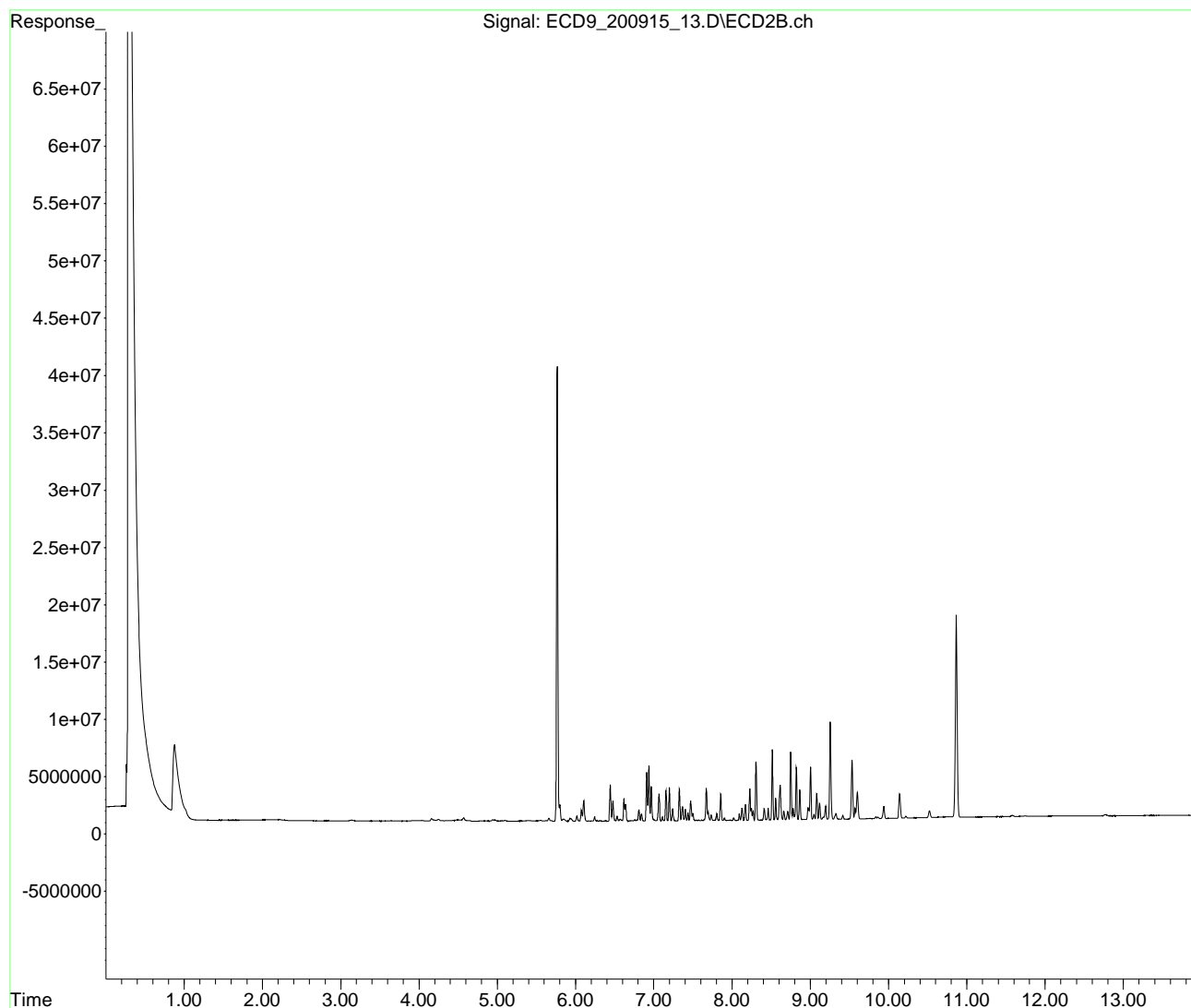
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:14:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_15.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:15 pm
 Operator :
 Sample : 0I15055-CAL3
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:15:47 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.765	79817050	49.916 ng/ml	
64) S DCBP (S)	10.862	34765458	48.964 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.445	5784469	101.997 ng/ml	
3) Aroclor 1016 (2)	6.937	9149174	100.784 ng/ml	
4) Aroclor 1016 (3)	7.065	4500137	104.456 ng/ml	
5) Aroclor 1016 (4)	7.153	4766402	102.205 ng/ml	✓
6) Aroclor 1016 (5)	7.199	5055043	99.666 ng/ml	
7) Aroclor 1016 (6)	7.325	4902416	98.312 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_15.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:15 pm
 Operator :
 Sample : 0I15055-CAL3
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:15:47 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	9871636	102.687	ng/ml
44)	Aroclor 1260 (2)	8.513	11359951	98.910	ng/ml
45)	Aroclor 1260 (3)	8.748	11346111	100.363	ng/ml
46)	Aroclor 1260 (4)	9.252	16572948	100.887	ng/ml
47)	Aroclor 1260 (5)	9.530	9698027	99.825	ng/ml
48)	Aroclor 1260 (6)	10.141	3920930	101.243	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_15.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:15 pm
 Operator :
 Sample : 0I15055-CAL3
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:15:47 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

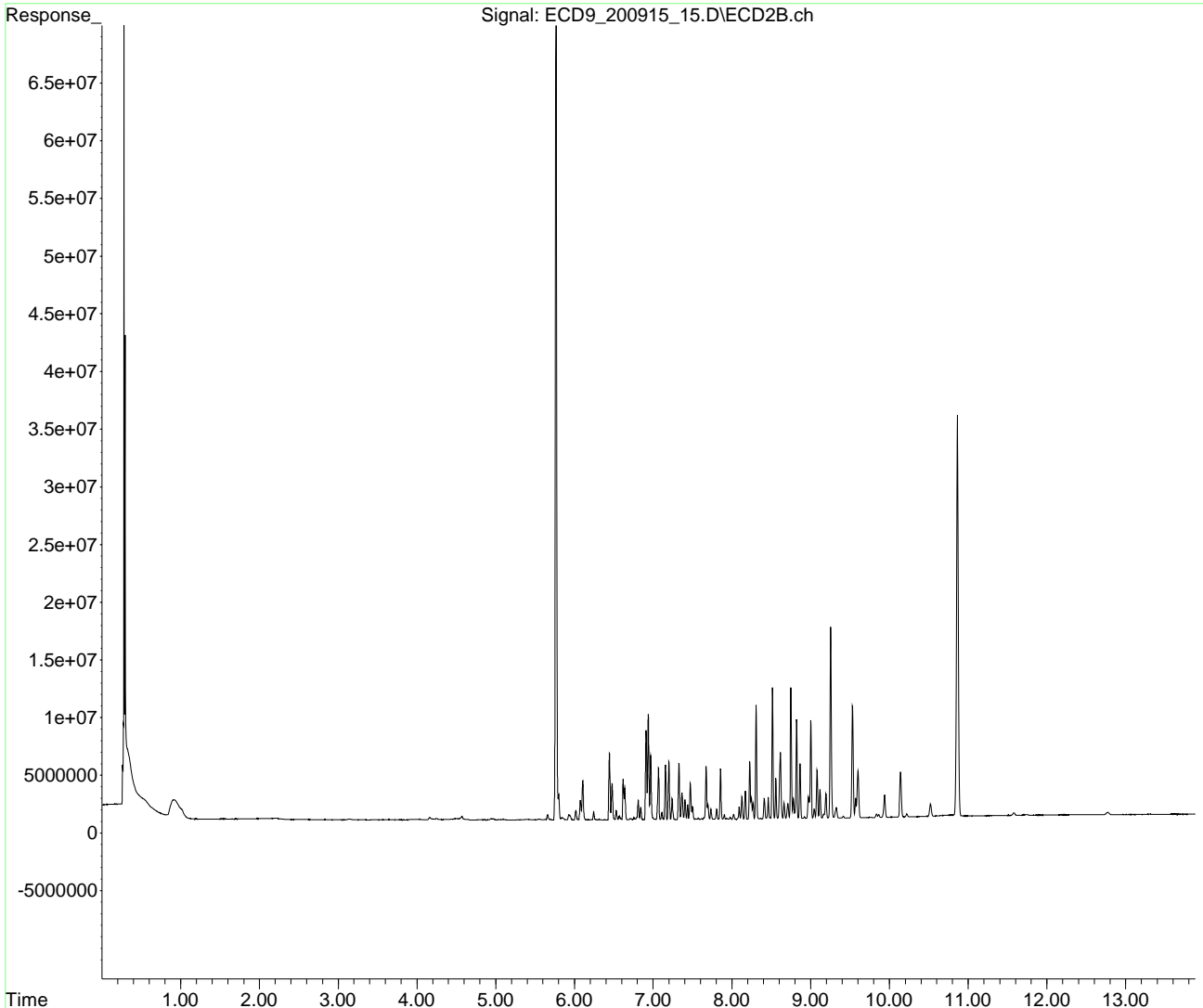
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:15:47 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_17.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:33 pm
 Operator :
 Sample : 0I15055-CAL4
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:16:39 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.766	160855104	100.596 ng/ml	✓
64) S DCBP (S)	10.863	71501138	100.703 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.445	10659795	187.963 ng/ml	
3) Aroclor 1016 (2)	6.938	17600722	193.883 ng/ml	
4) Aroclor 1016 (3)	7.066	8054750	186.965 ng/ml	✓
5) Aroclor 1016 (4)	7.154	8813492	188.985 ng/ml	
6) Aroclor 1016 (5)	7.199	9560771	188.502 ng/ml	
7) Aroclor 1016 (6)	7.325	9473446	189.979 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_17.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:33 pm
 Operator :
 Sample : 0I15055-CAL4
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:16:39 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.305	18403821	191.441	ng/ml
44)	Aroclor 1260 (2)	8.513	22384970	194.905	ng/ml
45)	Aroclor 1260 (3)	8.748	21639944	191.418	ng/ml
46)	Aroclor 1260 (4)	9.252	32336142	196.845	ng/ml
47)	Aroclor 1260 (5)	9.531	18165219	186.981	ng/ml
48)	Aroclor 1260 (6)	10.140	7426542	191.762	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_17.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:33 pm
 Operator :
 Sample : 0I15055-CAL4
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:16:39 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

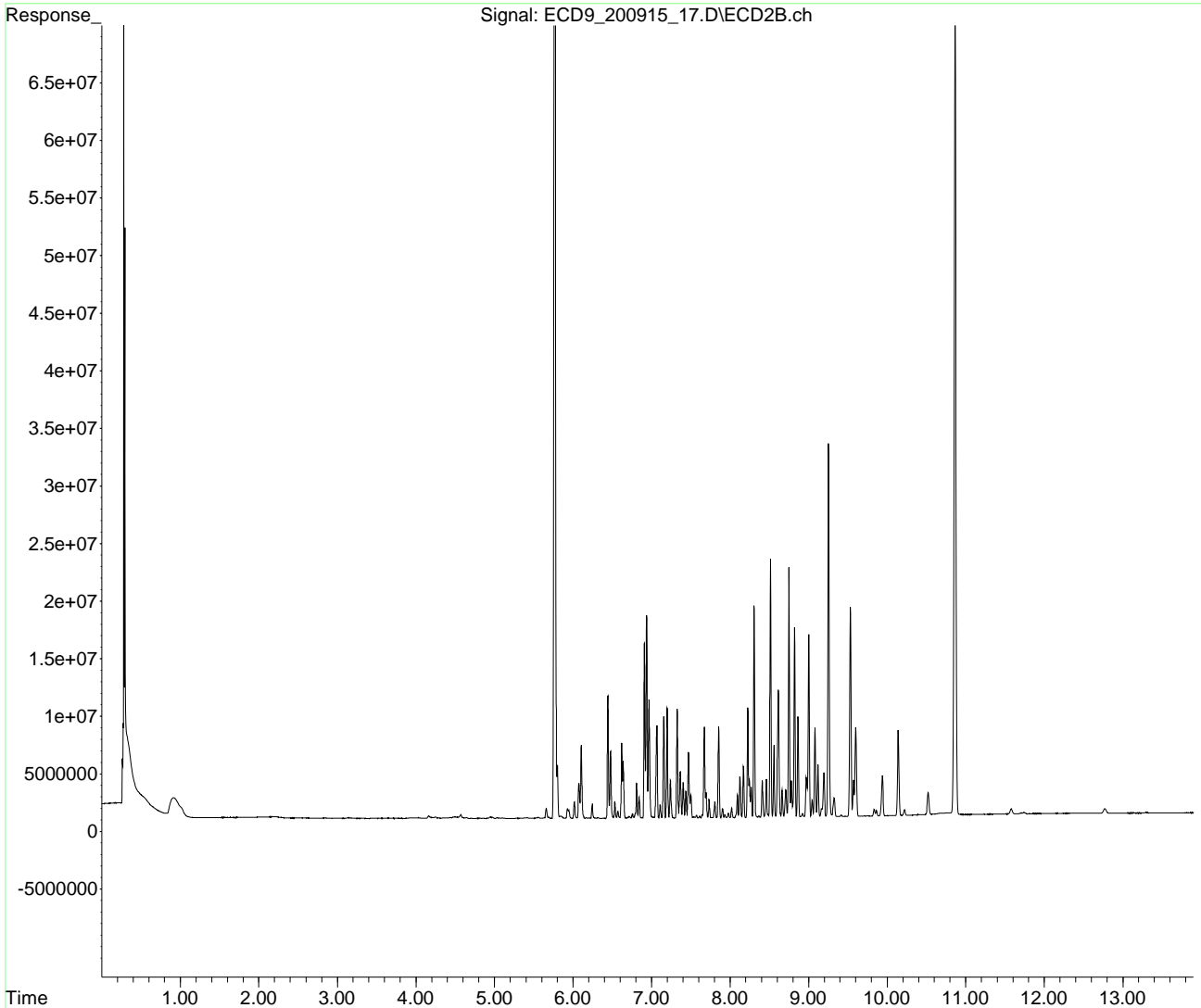
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:16:39 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_19.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:51 pm
 Operator :
 Sample : 0I15055-CAL5
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:17:24 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.766	403637973	252.428 ng/ml	✓
64) S DCBP (S)	10.862	168003499	236.618 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.445	25394997	447.787 ng/ml	
3) Aroclor 1016 (2)	6.937	42438246	467.483 ng/ml	
4) Aroclor 1016 (3)	7.065	19797397	459.532 ng/ml	✓
5) Aroclor 1016 (4)	7.154	20772020	445.408 ng/ml	
6) Aroclor 1016 (5)	7.200	22738585	448.319 ng/ml	
7) Aroclor 1016 (6)	7.325	22921162	459.658 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_19.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:51 pm
 Operator :
 Sample : 0I15055-CAL5
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:17:24 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.305	44495233	462.851	ng/ml
44)	Aroclor 1260 (2)	8.513	54188197	471.813	ng/ml
45)	Aroclor 1260 (3)	8.748	54362314	480.866	ng/ml
46)	Aroclor 1260 (4)	9.253	79508450	484.005	ng/ml
47)	Aroclor 1260 (5)	9.531	46116930	474.697	ng/ml
48)	Aroclor 1260 (6)	10.140	17650662	455.760	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_19.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:51 pm
 Operator :
 Sample : 0I15055-CAL5
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:17:24 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

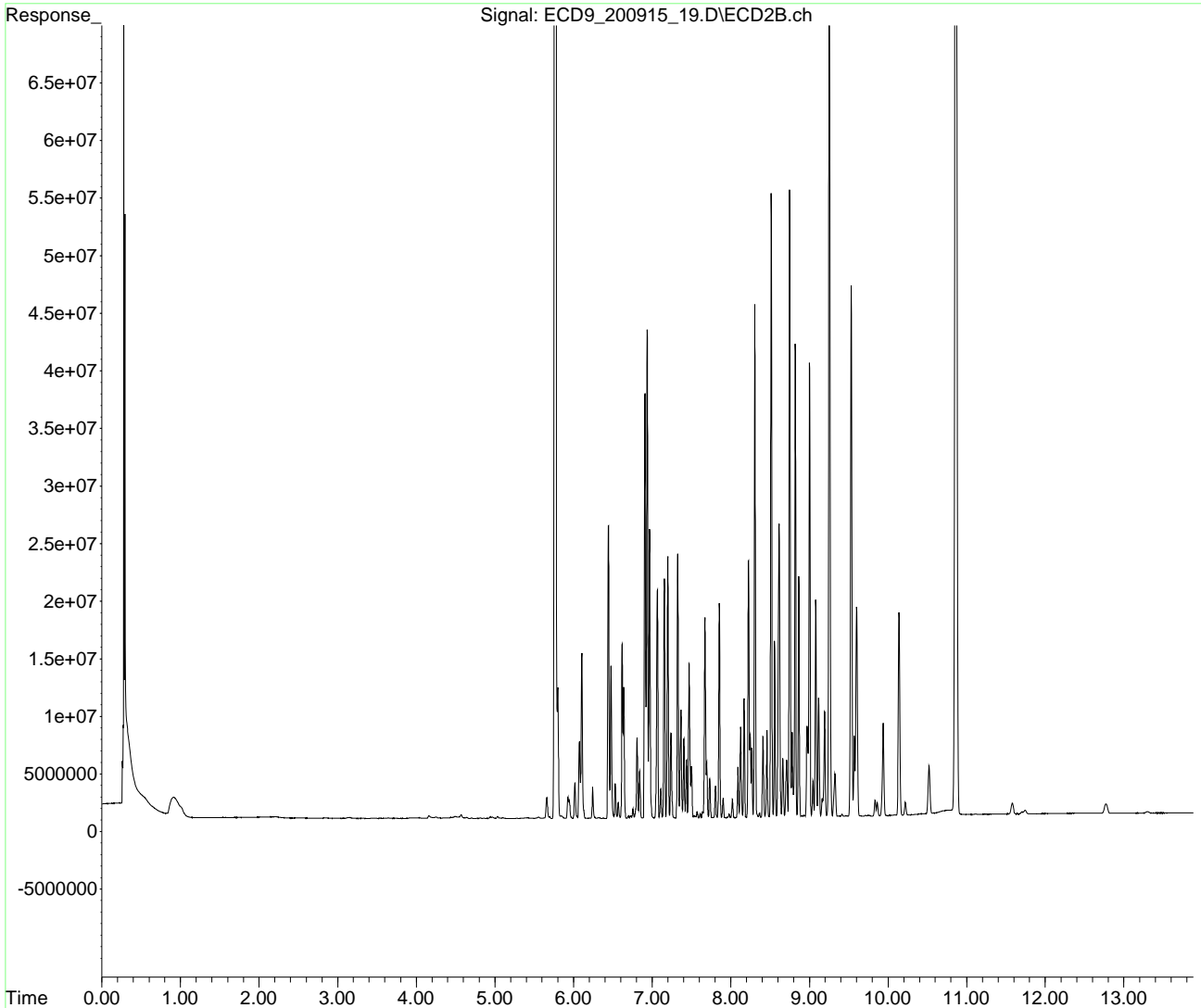
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:17:24 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_21.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:09 pm
 Operator :
 Sample : 0I15055-CAL6
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 17 12:18:12 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.766	816580193	510.674 ng/ml	
64) S DCBP (S)	10.863	361352714	508.934 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.445	51635229	910.478 ng/ml	
3) Aroclor 1016 (2)	6.937	85248316	939.062 ng/ml	
4) Aroclor 1016 (3)	7.066	37510868	870.692 ng/ml	✓
5) Aroclor 1016 (4)	7.153	41182417	883.062 ng/ml	
6) Aroclor 1016 (5)	7.199	44497961	877.332 ng/ml	
7) Aroclor 1016 (6)	7.325	46234723	927.184 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_21.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:09 pm
 Operator :
 Sample : 0I15055-CAL6
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:18:12 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	88597570	921.615	ng/ml
44)	Aroclor 1260 (2)	8.514	104664152	911.304	ng/ml
45)	Aroclor 1260 (3)	8.748	106884976	945.460	ng/ml
46)	Aroclor 1260 (4)	9.253	161907376	985.605	ng/ml
47)	Aroclor 1260 (5)	9.530	91264098	939.411	ng/ml
48)	Aroclor 1260 (6)	10.140	33158398	856.188	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_21.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:09 pm
 Operator :
 Sample : 0I15055-CAL6
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:18:12 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

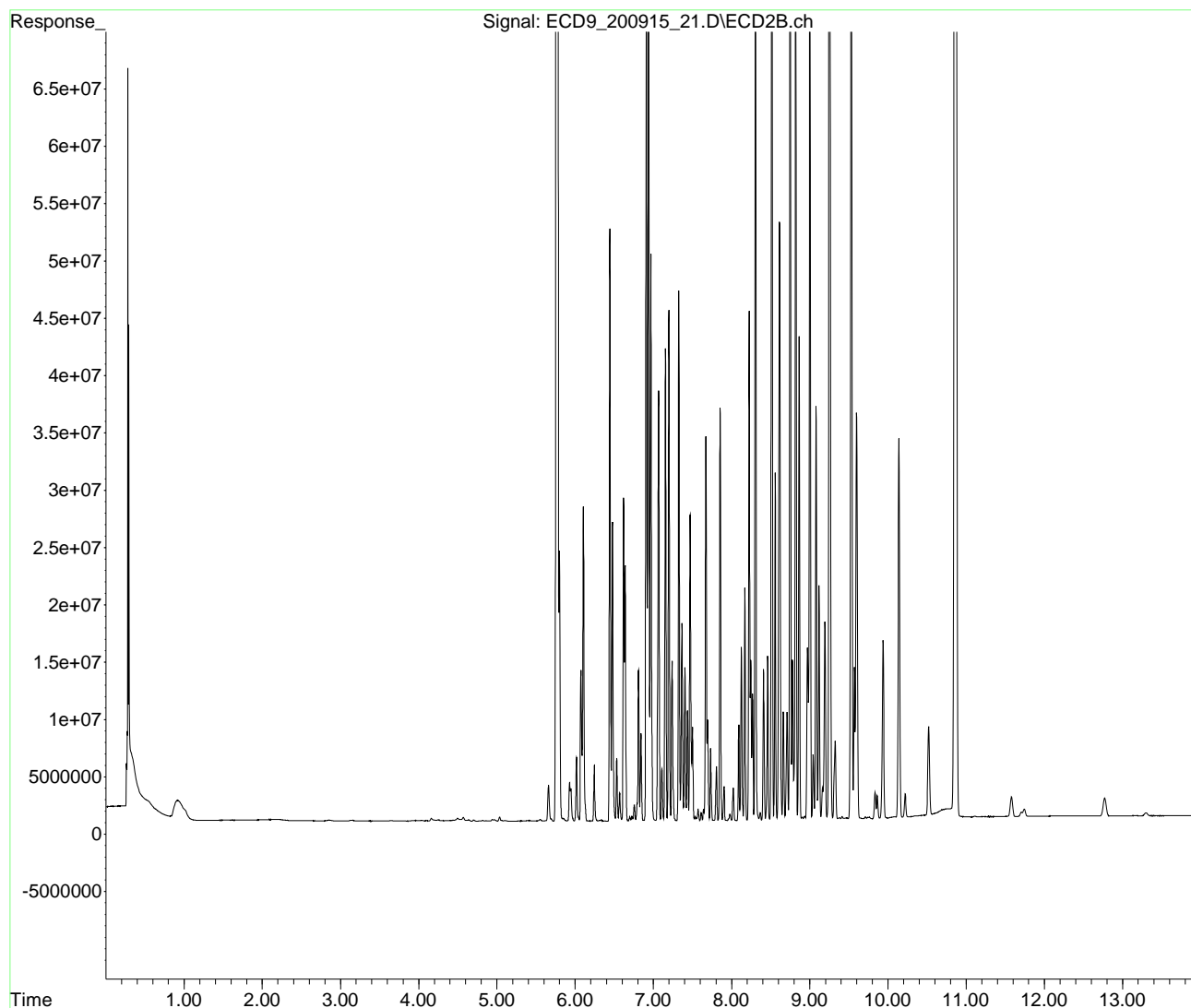
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:18:12 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_23.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:27 pm
 Operator :
 Sample : 0I15055-CAL7
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

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Integration File: events.e
 Quant Time: Sep 17 12:19:02 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.767	1297471325	811.415 ng/ml	
64) S DCBP (S)	10.864	587179062	826.991 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.446	74711775	1317.384 ng/ml	
3) Aroclor 1016 (2)	6.938	130352515	1435.912 ng/ml	
4) Aroclor 1016 (3)	7.066	58252744	1352.147 ng/ml	
5) Aroclor 1016 (4)	7.154	59545962	1276.826 ng/ml	✓
6) Aroclor 1016 (5)	7.199	68227774	1345.194 ng/ml	
7) Aroclor 1016 (6)	7.326	65227818	1308.069 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_23.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:27 pm
 Operator :
 Sample : 0I15055-CAL7
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:19:02 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	133146723	1385.027	ng/ml
44)	Aroclor 1260 (2)	8.515	166517887	1449.861	ng/ml
45)	Aroclor 1260 (3)	8.749	163195169	1443.556	ng/ml
46)	Aroclor 1260 (4)	9.253	236761182	1441.275	ng/ml
47)	Aroclor 1260 (5)	9.531	142482366	1466.618	ng/ml
48)	Aroclor 1260 (6)	10.141	52539359	1356.627	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
 Data File : ECD9_200915_23.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:27 pm
 Operator :
 Sample : 0I15055-CAL7
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 17 12:19:02 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Sep 17 12:03:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

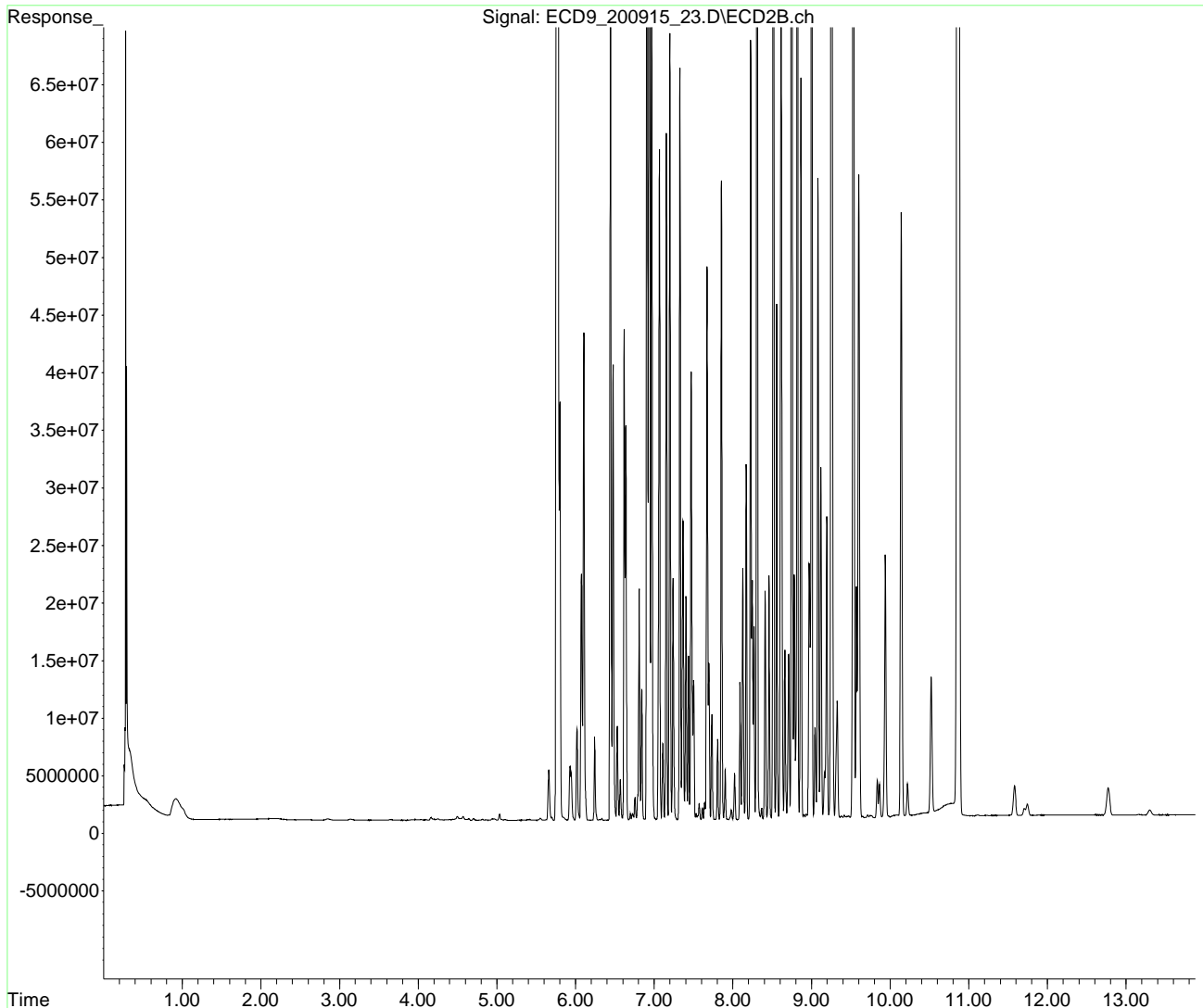
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:19:02 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Injection Log

Data Directory: Z:\1\data\2020-09\0I15055\

KAK 9/17/2020

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
ECD9_200915_01.D	Hexane	1x	1	1	15 Sep 2020 12:36 pm
ECD9_200915_03.D	Hexane	1x	1	1	15 Sep 2020 12:54 pm
ECD9_200915_05.D	0I15055-CCV1	1x	3	1	15 Sep 2020 01:12 pm
ECD9_200915_07.D	0I15055-CCB1	1x	5	1	15 Sep 2020 01:30 pm
ECD9_200915_09.D	0I15055-ICB1	1x	5	1	15 Sep 2020 02:22 pm
ECD9_200915_11.D	0I15055-CAL1	1x	11	1	15 Sep 2020 02:40 pm
ECD9_200915_13.D	0I15055-CAL2	1x	12	1	15 Sep 2020 02:58 pm
ECD9_200915_15.D	0I15055-CAL3	1x	13	1	15 Sep 2020 03:15 pm
ECD9_200915_17.D	0I15055-CAL4	1x	14	1	15 Sep 2020 03:33 pm
ECD9_200915_19.D	0I15055-CAL5	1x	15	1	15 Sep 2020 03:51 pm
ECD9_200915_21.D	0I15055-CAL6	1x	16	1	15 Sep 2020 04:09 pm
ECD9_200915_23.D	0I15055-CAL7	1x	17	1	15 Sep 2020 04:27 pm
ECD9_200915_25.D	0I15055-IBL1	1x	1	1	15 Sep 2020 04:45 pm
ECD9_200915_27.D	0I15055-ICV1		18	1	15 Sep 2020 05:03 pm
ECD9_200915_29.D	0I15055-CAL8		19	1	15 Sep 2020 05:21 pm
ECD9_200915_31.D	0I15055-CAL9		20	1	15 Sep 2020 05:39 pm
ECD9_200915_33.D	0I15055-CALA		21	1	15 Sep 2020 05:56 pm
ECD9_200915_35.D	0I15055-CALB		22	1	15 Sep 2020 06:14 pm
ECD9_200915_37.D	0I15055-CALC		23	1	15 Sep 2020 06:32 pm
ECD9_200915_39.D	0I15055-CALD		24	1	15 Sep 2020 06:50 pm
ECD9_200915_41.D	0I15055-CALE		25	1	15 Sep 2020 07:08 pm
ECD9_200915_43.D	0I15055-ICV2		26	1	15 Sep 2020 07:26 pm
ECD9_200915_45.D	0I15055-ICV3		27	1	15 Sep 2020 07:44 pm
ECD9_200915_47.D	0I15055-ICV4		28	1	15 Sep 2020 08:02 pm
ECD9_200915_49.D	0I15055-ICV5		29	1	15 Sep 2020 08:20 pm

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_11.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:40 pm
 Operator :
 Sample : 0I15055-CAL1
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:03:33 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	15318713	10.185 ng/ml
64) S DCBP (S)	10.864	7255594	10.991 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	1421961	26.441 ng/ml
3) Aroclor 1016 (2)	6.938	2055115	23.741 ng/ml
4) Aroclor 1016 (3)	7.066	1062102	25.592 ng/ml
5) Aroclor 1016 (4)	7.154	1186017	29.433 ng/ml
6) Aroclor 1016 (5)	7.199	1276460	29.895 ng/ml
7) Aroclor 1016 (6)	7.326	1225054	26.158 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_11.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:40 pm
 Operator :
 Sample : 0I15055-CAL1
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:03:33 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	2287238	25.184	ng/ml
44)	Aroclor 1260 (2)	8.514	2618678	24.065	ng/ml
45)	Aroclor 1260 (3)	8.749	2540989	24.053	ng/ml
46)	Aroclor 1260 (4)	9.254	3468598	21.959	ng/ml
47)	Aroclor 1260 (5)	9.531	2208139	24.001	ng/ml
48)	Aroclor 1260 (6)	10.141	958372	26.267	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_11.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:40 pm
 Operator :
 Sample : 0I15055-CAL1
 Misc : 1x
 ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:03:33 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

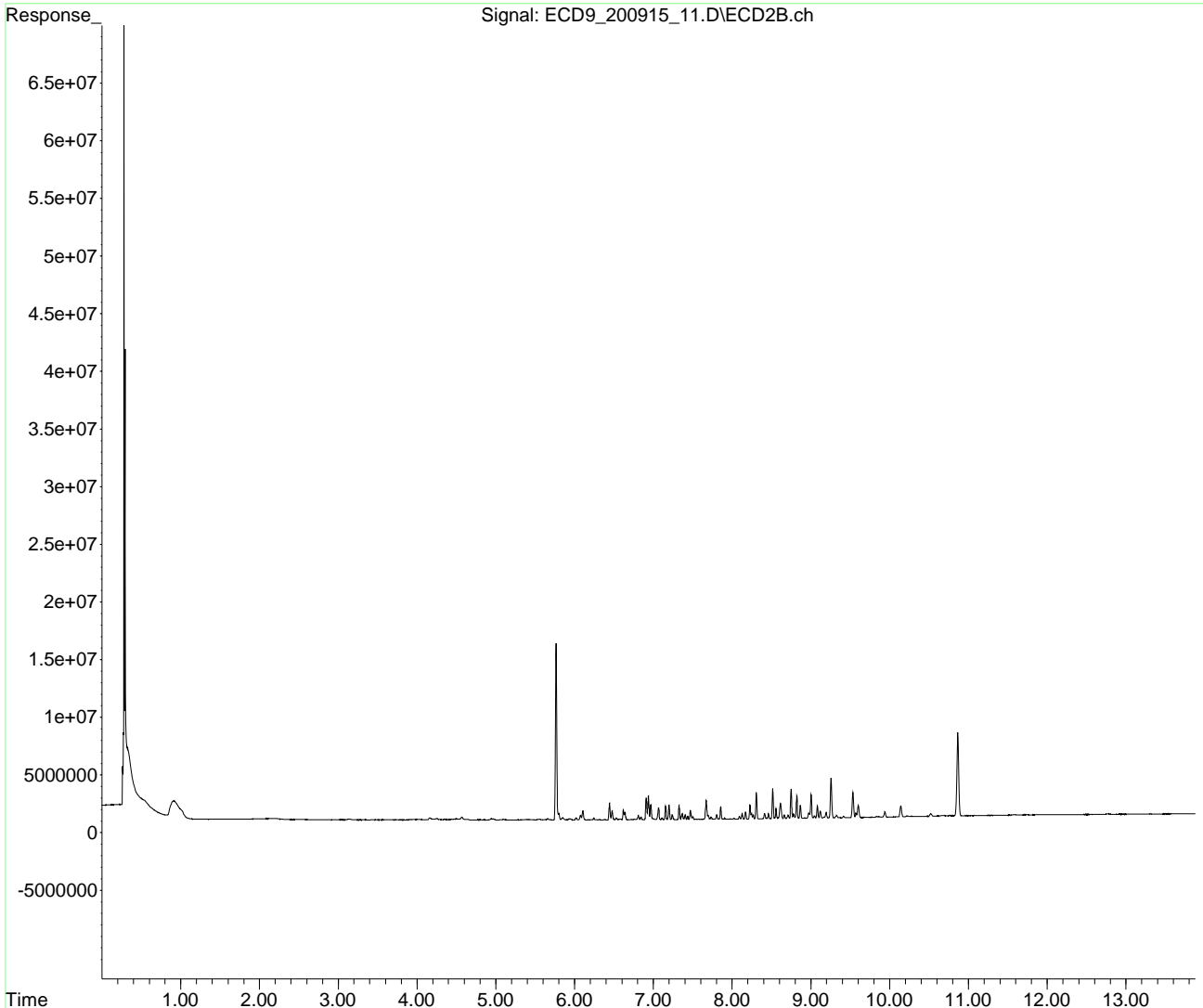
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:03:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_13.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:58 pm
 Operator :
 Sample : 0I15055-CAL2
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:04:29 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	39671191	26.375 ng/ml
64) S DCBP (S)	10.863	17638940	26.721 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	3125541	58.118 ng/ml
3) Aroclor 1016 (2)	6.938	4809232	55.558 ng/ml
4) Aroclor 1016 (3)	7.066	2362528	56.926 ng/ml
5) Aroclor 1016 (4)	7.154	2649767	65.759 ng/ml
6) Aroclor 1016 (5)	7.199	2870001	67.215 ng/ml
7) Aroclor 1016 (6)	7.325	2792685	59.631 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_13.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:58 pm
 Operator :
 Sample : 0I15055-CAL2
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:04:29 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	5074049	55.868	ng/ml
44)	Aroclor 1260 (2)	8.513	6172285	56.722	ng/ml
45)	Aroclor 1260 (3)	8.749	5911953	55.961	ng/ml
46)	Aroclor 1260 (4)	9.253	8514952	53.906	ng/ml
47)	Aroclor 1260 (5)	9.531	5167629	56.169	ng/ml
48)	Aroclor 1260 (6)	10.140	2167449	59.406	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_13.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 02:58 pm
 Operator :
 Sample : 0I15055-CAL2
 Misc : 1x
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:04:29 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

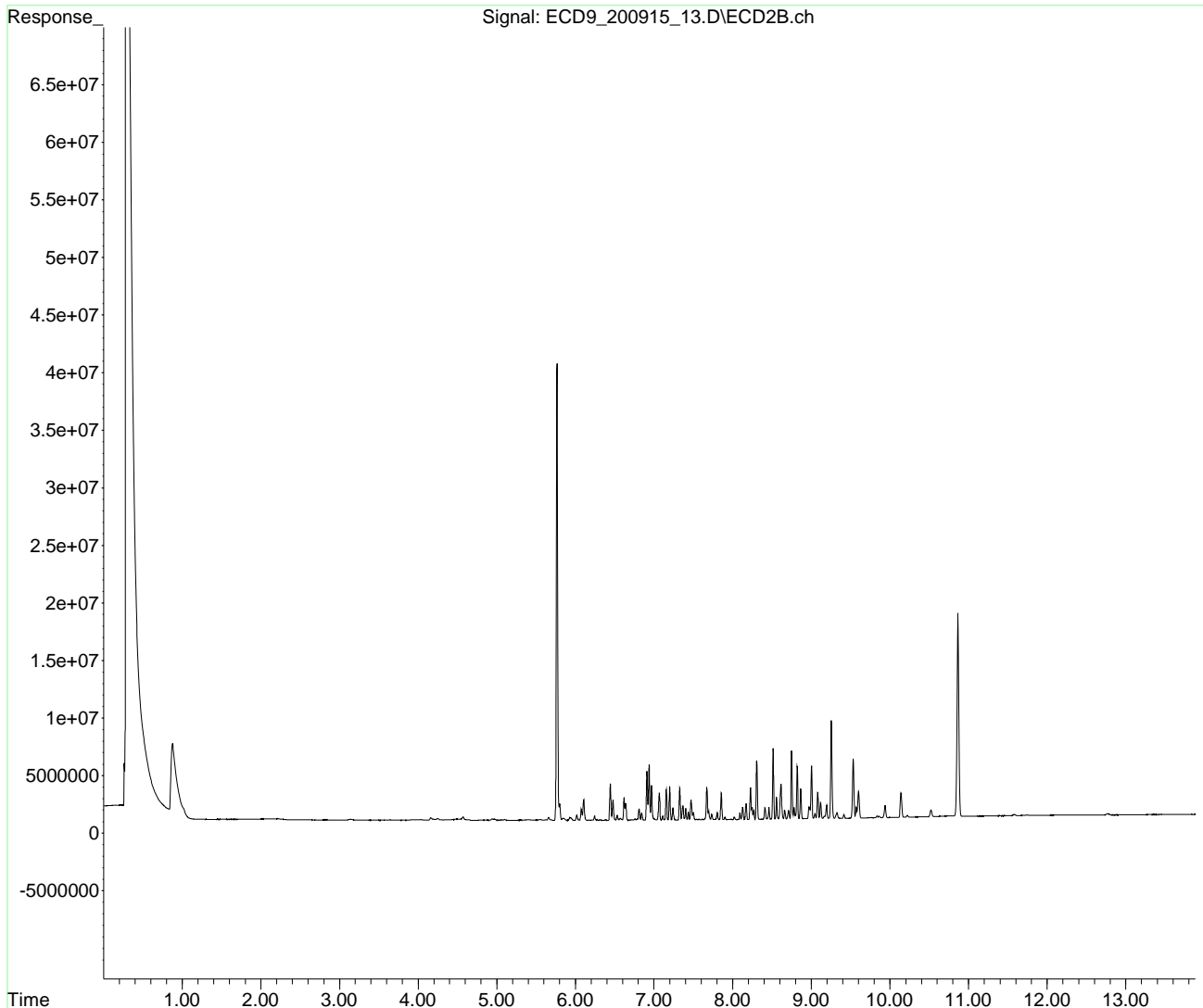
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:04:29 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_15.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:15 pm
 Operator :
 Sample : 0I15055-CAL3
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:05:34 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	79817050	53.066 ng/ml
64) S DCBP (S)	10.862	34765458	52.666 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	5784469	107.560 ng/ml
3) Aroclor 1016 (2)	6.937	9149174	105.694 ng/ml
4) Aroclor 1016 (3)	7.065	4500137	108.432 ng/ml
5) Aroclor 1016 (4)	7.153	4766402	118.288 ng/ml
6) Aroclor 1016 (5)	7.199	5055043	118.389 ng/ml
7) Aroclor 1016 (6)	7.325	4902416	104.679 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_15.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:15 pm
 Operator :
 Sample : 0I15055-CAL3
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:05:34 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	9871636	108.691	ng/ml
44)	Aroclor 1260 (2)	8.513	11359951	104.395	ng/ml
45)	Aroclor 1260 (3)	8.748	11346111	107.400	ng/ml
46)	Aroclor 1260 (4)	9.252	16572948	104.919	ng/ml
47)	Aroclor 1260 (5)	9.530	9698027	105.411	ng/ml
48)	Aroclor 1260 (6)	10.141	3920930	107.465	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_15.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:15 pm
 Operator :
 Sample : 0I15055-CAL3
 Misc : 1x
 ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:05:34 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

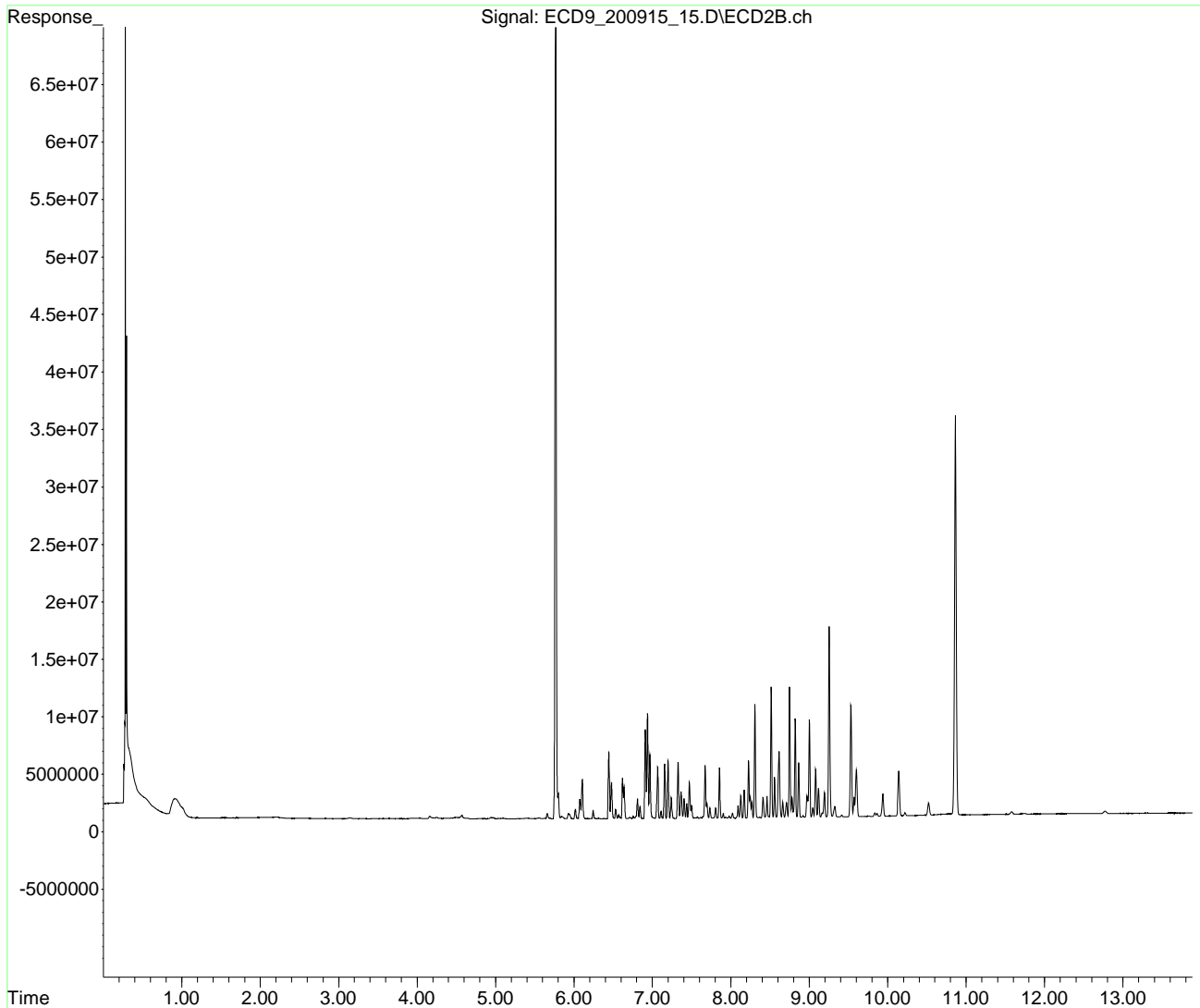
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:05:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_17.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:33 pm
 Operator :
 Sample : 0I15055-CAL4
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:06:35 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	160855104	106.943 ng/ml
64) S DCBP (S)	10.863	71501138	108.316 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	10659795	198.216 ng/ml
3) Aroclor 1016 (2)	6.938	17600722	203.328 ng/ml
4) Aroclor 1016 (3)	7.066	8054750	194.082 ng/ml
5) Aroclor 1016 (4)	7.154	8813492	218.724 ng/ml
6) Aroclor 1016 (5)	7.199	9560771	223.912 ng/ml
7) Aroclor 1016 (6)	7.325	9473446	202.283 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_17.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:33 pm
 Operator :
 Sample : 0I15055-CAL4
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:06:35 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.305	18403821	202.635	ng/ml
44)	Aroclor 1260 (2)	8.513	22384970	205.712	ng/ml
45)	Aroclor 1260 (3)	8.748	21639944	204.840	ng/ml
46)	Aroclor 1260 (4)	9.252	32336142	204.711	ng/ml
47)	Aroclor 1260 (5)	9.531	18165219	197.443	ng/ml
48)	Aroclor 1260 (6)	10.140	7426542	203.548	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_17.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:33 pm
 Operator :
 Sample : 0I15055-CAL4
 Misc : 1x
 ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:06:35 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

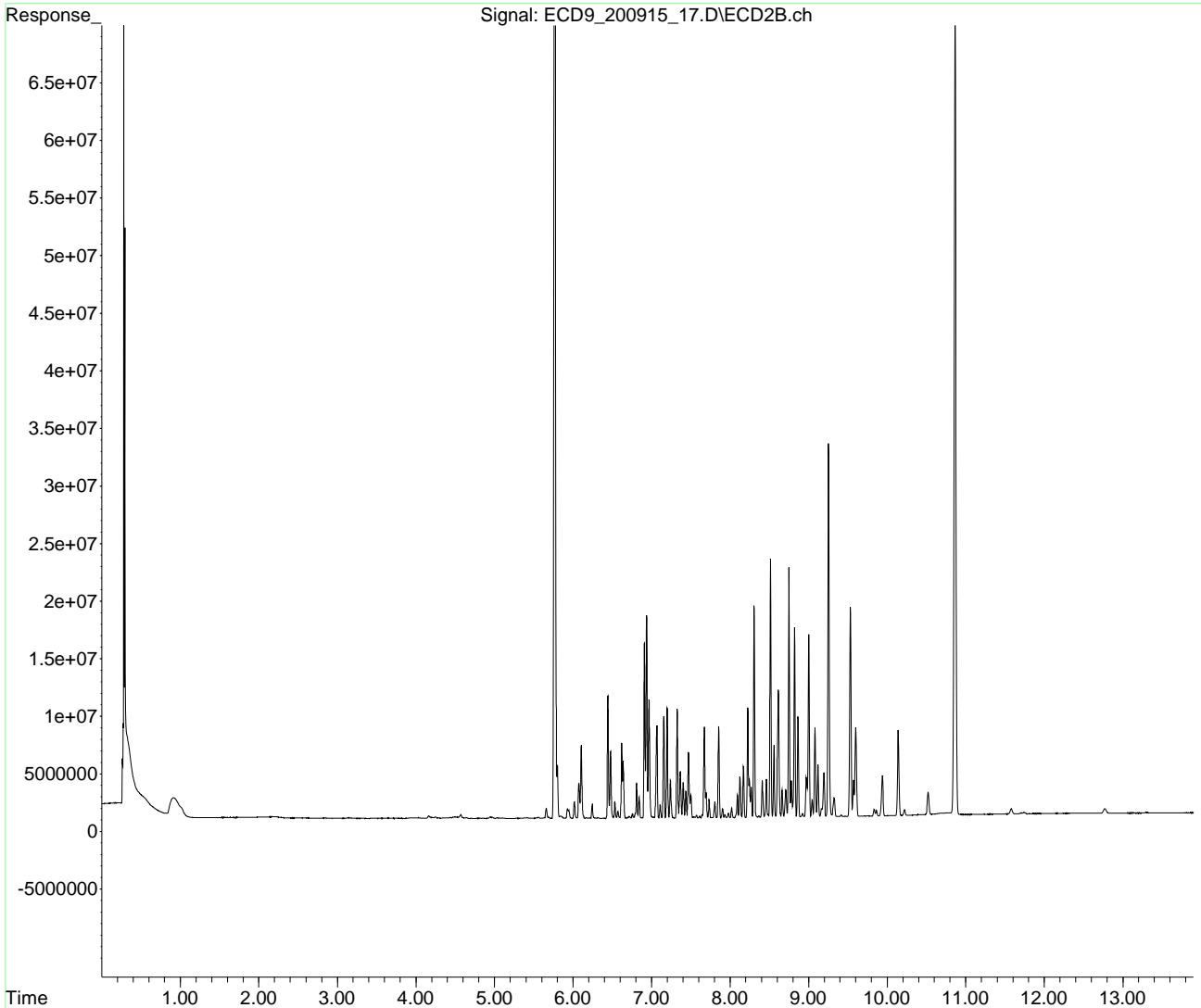
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:06:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_19.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:51 pm
 Operator :
 Sample : 0I15055-CAL5
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:07:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	403637973	268.356 ng/ml
64) S DCBP (S)	10.862	168003499	254.506 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	25394997	472.212 ng/ml
3) Aroclor 1016 (2)	6.937	42438246	490.258 ng/ml
4) Aroclor 1016 (3)	7.065	19797397	477.025 ng/ml
5) Aroclor 1016 (4)	7.154	20772020	515.499 ng/ml
6) Aroclor 1016 (5)	7.200	22738585	532.535 ng/ml
7) Aroclor 1016 (6)	7.325	22921162	489.427 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 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_19.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:51 pm
 Operator :
 Sample : 0I15055-CAL5
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:07:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.305	44495233	489.914	ng/ml
44)	Aroclor 1260 (2)	8.513	54188197	497.976	ng/ml
45)	Aroclor 1260 (3)	8.748	54362314	514.584	ng/ml
46)	Aroclor 1260 (4)	9.253	79508450	503.345	ng/ml
47)	Aroclor 1260 (5)	9.531	46116930	501.259	ng/ml
48)	Aroclor 1260 (6)	10.140	17650662	483.772	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_19.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 03:51 pm
 Operator :
 Sample : 0I15055-CAL5
 Misc : 1x
 ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:07:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

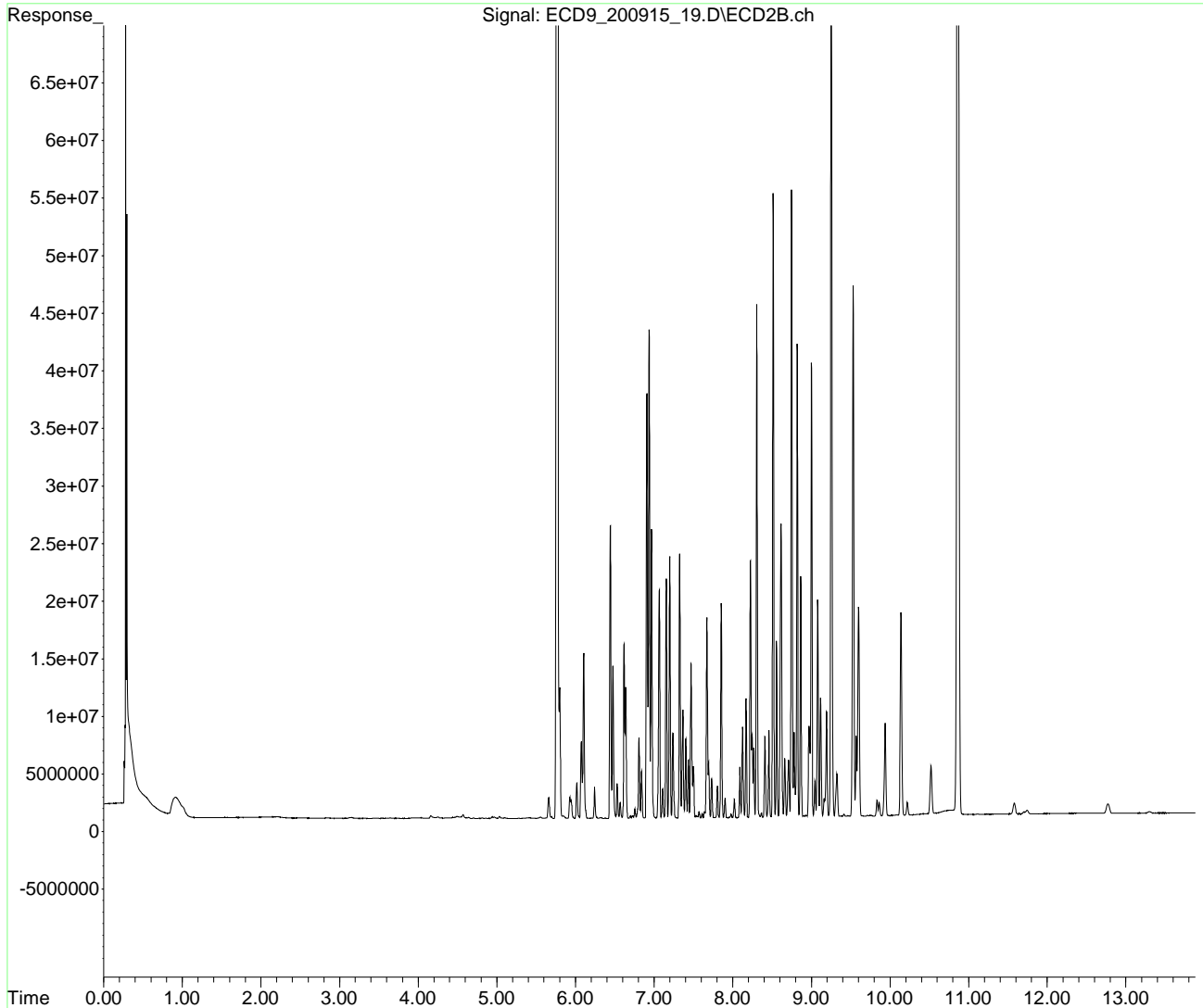
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:07:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_21.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:09 pm
 Operator :
 Sample : 0I15055-CAL6
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:08:56 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	816580193	542.897 ng/ml
64) S DCBP (S)	10.863	361352714	547.407 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.445	51635229	960.141 ng/ml
3) Aroclor 1016 (2)	6.937	85248316	984.812 ng/ml
4) Aroclor 1016 (3)	7.066	37510868	903.837 ng/ml
5) Aroclor 1016 (4)	7.153	41182417	1022.024 ng/ml
6) Aroclor 1016 (5)	7.199	44497961	1042.138 ng/ml
7) Aroclor 1016 (6)	7.325	46234723	987.232 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_21.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:09 pm
 Operator :
 Sample : 0I15055-CAL6
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:08:56 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.306	88597570	975.501	ng/ml
44)	Aroclor 1260 (2)	8.514	104664152	961.838	ng/ml
45)	Aroclor 1260 (3)	8.748	106884976	1011.754	ng/ml
46)	Aroclor 1260 (4)	9.253	161907376	1024.989	ng/ml
47)	Aroclor 1260 (5)	9.530	91264098	991.978	ng/ml
48)	Aroclor 1260 (6)	10.140	33158398	908.810	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_21.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:09 pm
 Operator :
 Sample : 0I15055-CAL6
 Misc : 1x
 ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:08:56 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

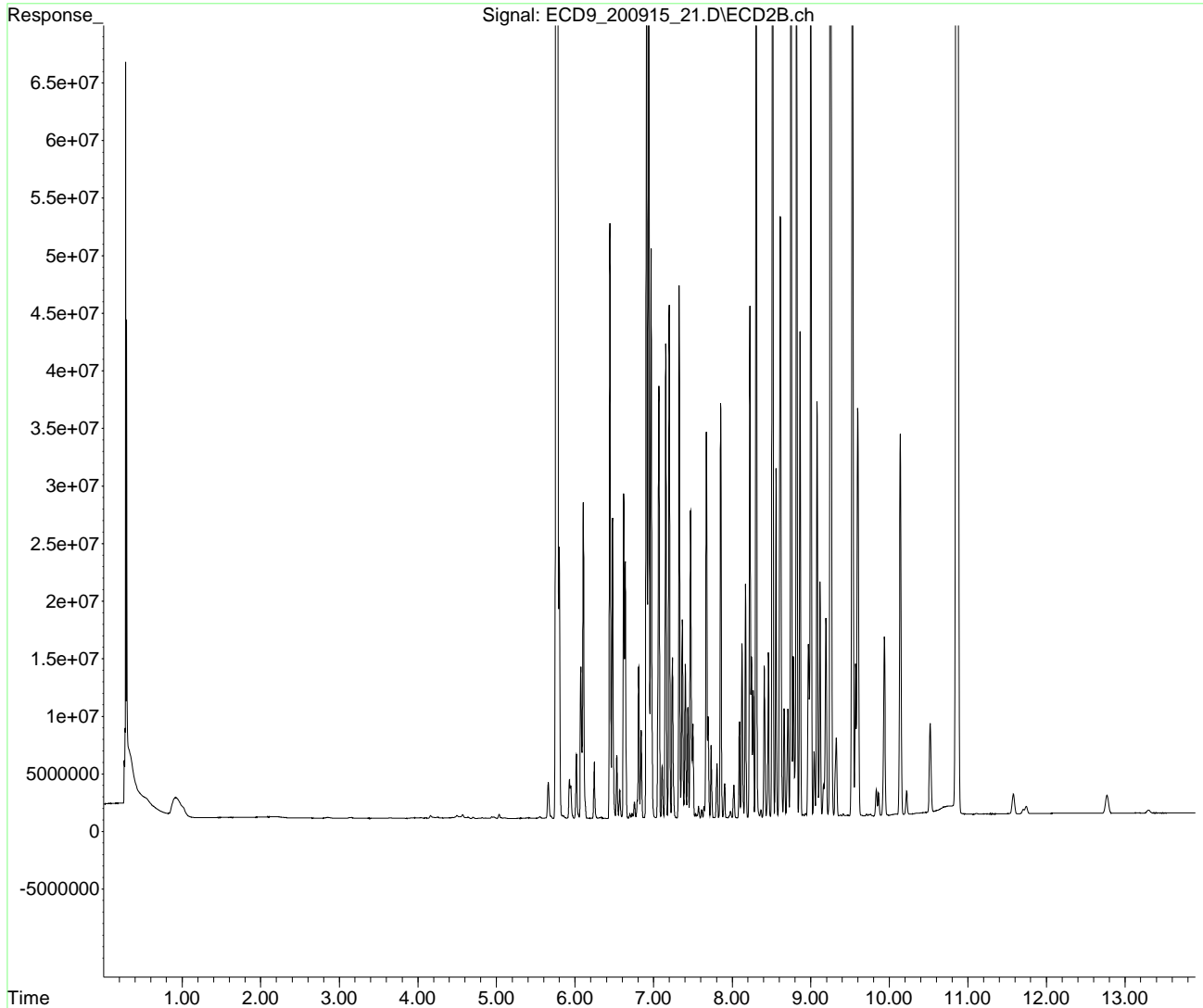
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:08:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_23.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:27 pm
 Operator :
 Sample : 0I15055-CAL7
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:10:04 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.767	1297471325	862.614 ng/ml
64) S DCBP (S)	10.864	587179062	889.507 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.446	74711775	1389.242 ng/ml
3) Aroclor 1016 (2)	6.938	130352515	1505.867 ng/ml
4) Aroclor 1016 (3)	7.066	58252744	1403.620 ng/ml
5) Aroclor 1016 (4)	7.154	59545962	1477.752 ng/ml
6) Aroclor 1016 (5)	7.199	68227774	1597.888 ng/ml
7) Aroclor 1016 (6)	7.326	65227818	1392.784 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_23.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:27 pm
 Operator :
 Sample : 0I15055-CAL7
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:10:04 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	133146723	1466.009	ng/ml
44)	Aroclor 1260 (2)	8.515	166517887	1530.258	ng/ml
45)	Aroclor 1260 (3)	8.749	163195169	1544.776	ng/ml
46)	Aroclor 1260 (4)	9.253	236761182	1498.867	ng/ml
47)	Aroclor 1260 (5)	9.531	142482366	1548.685	ng/ml
48)	Aroclor 1260 (6)	10.141	52539359	1440.006	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_23.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 04:27 pm
 Operator :
 Sample : 0I15055-CAL7
 Misc : 1x
 ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:10:04 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

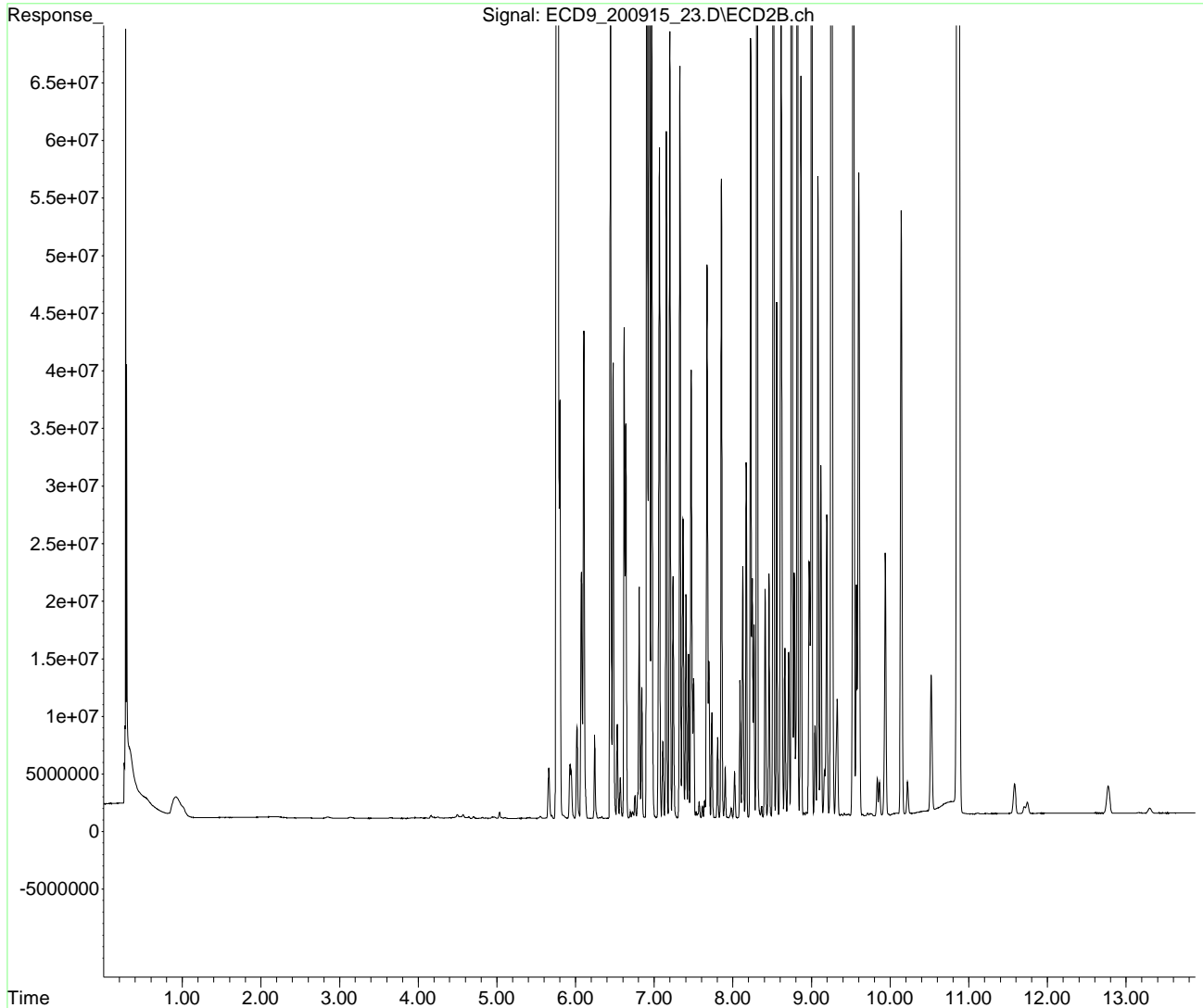
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:10:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_29.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:21 pm
 Operator :
 Sample : 0I15055-CAL8
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:11:54 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.945	5500807	500.994	ng/ml
10) Aroclor 1221 (2)	6.018	5553025	514.878	ng/ml
11) Aroclor 1221 (3)	6.106	18274697	516.501	ng/ml
12) Aroclor 1221 (4)	6.621	3955532	514.341	ng/ml
13) Aroclor 1221 (5)	6.937	3007125	506.068	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_29.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:21 pm
 Operator :
 Sample : 0I15055-CAL8
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:11:54 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_29.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:21 pm
 Operator :
 Sample : 0I15055-CAL8
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:11:54 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

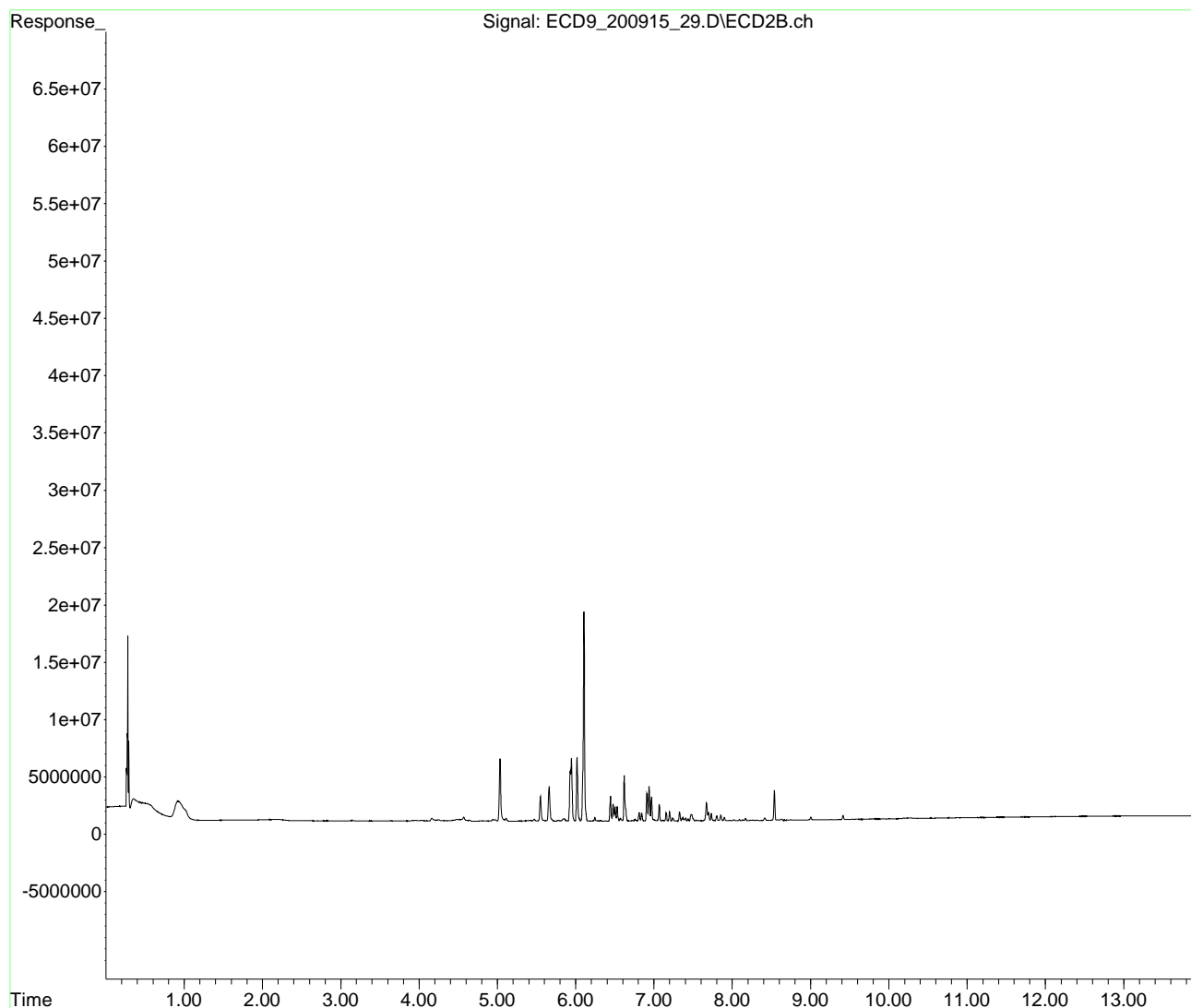
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_29.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:21 pm
Operator :
Sample : 0I15055-CAL8
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:11:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_31.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:39 pm
 Operator :
 Sample : 0I15055-CAL9
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:12:35 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.106	15246378	513.845	ng/ml
16) Aroclor 1232 (2)	6.445	10102237	509.023	ng/ml
17) Aroclor 1232 (3)	6.937	16773730	521.234	ng/ml
18) Aroclor 1232 (4)	7.154	6973317	523.162	ng/ml
19) Aroclor 1232 (5)	7.199	7954591	507.020	ng/ml
20) Aroclor 1232 (6)	7.325	8127237	524.132	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_31.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:39 pm
 Operator :
 Sample : 0I15055-CAL9
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:12:35 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_31.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:39 pm
 Operator :
 Sample : 0I15055-CAL9
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:12:35 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

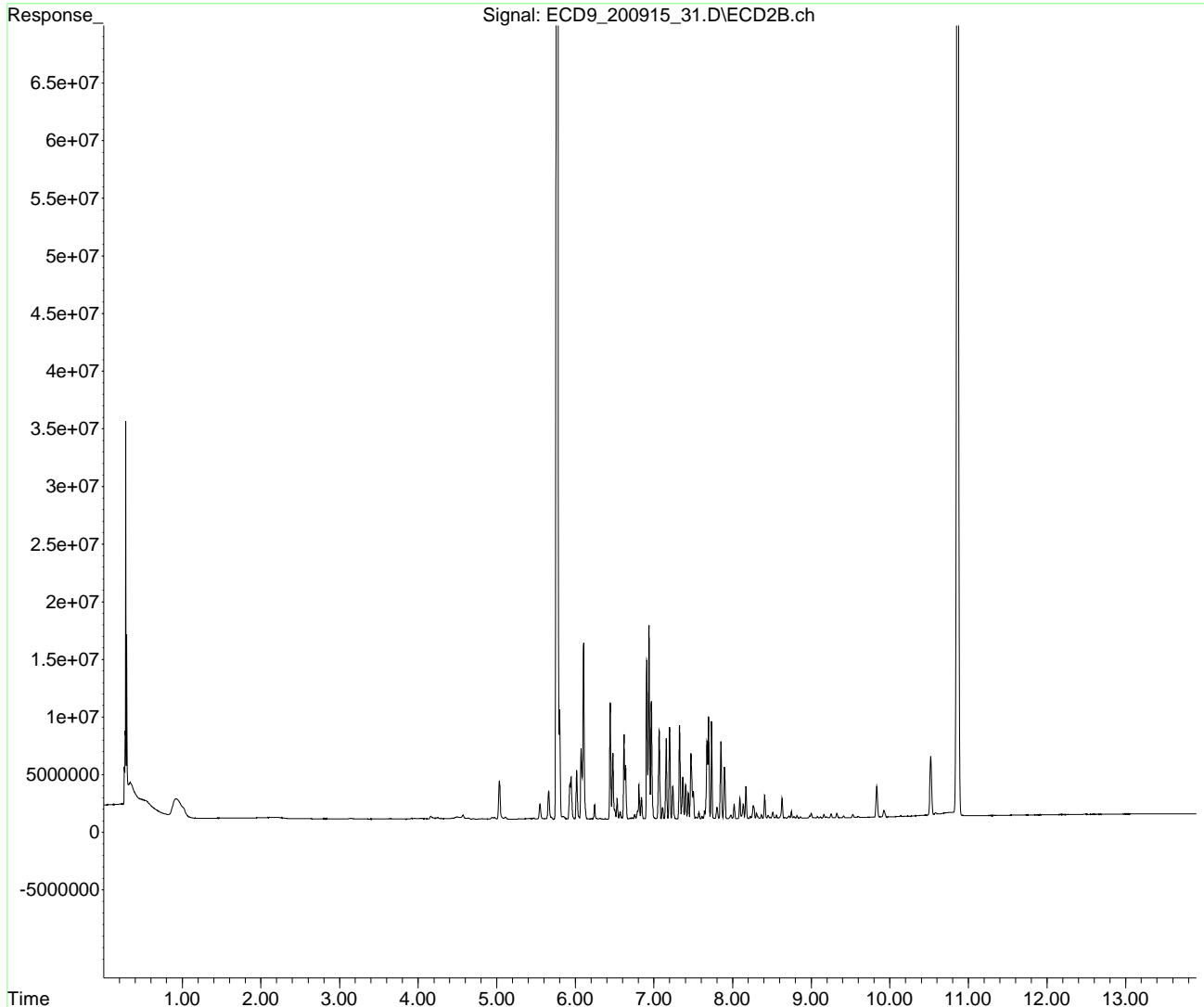
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:39 pm
Operator :
Sample : 0I15055-CAL9
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:12:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_33.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:56 pm
 Operator :
 Sample : 0I15055-CALA
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:13:17 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.445	18757837	512.448	ng/ml
23) Aroclor 1242 (2)	6.938	30081372	508.527	ng/ml
24) Aroclor 1242 (3)	7.065	14522510	518.743	ng/ml
25) Aroclor 1242 (4)	7.154	14257839	509.682	ng/ml
26) Aroclor 1242 (5)	7.199	16512662	504.087	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_33.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:56 pm
 Operator :
 Sample : 0I15055-CALA
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:13:17 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.326	16706163	526.005 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D. ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D. ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D. ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D. ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D. ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D. ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_33.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 05:56 pm
 Operator :
 Sample : 0I15055-CALA
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:13:17 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

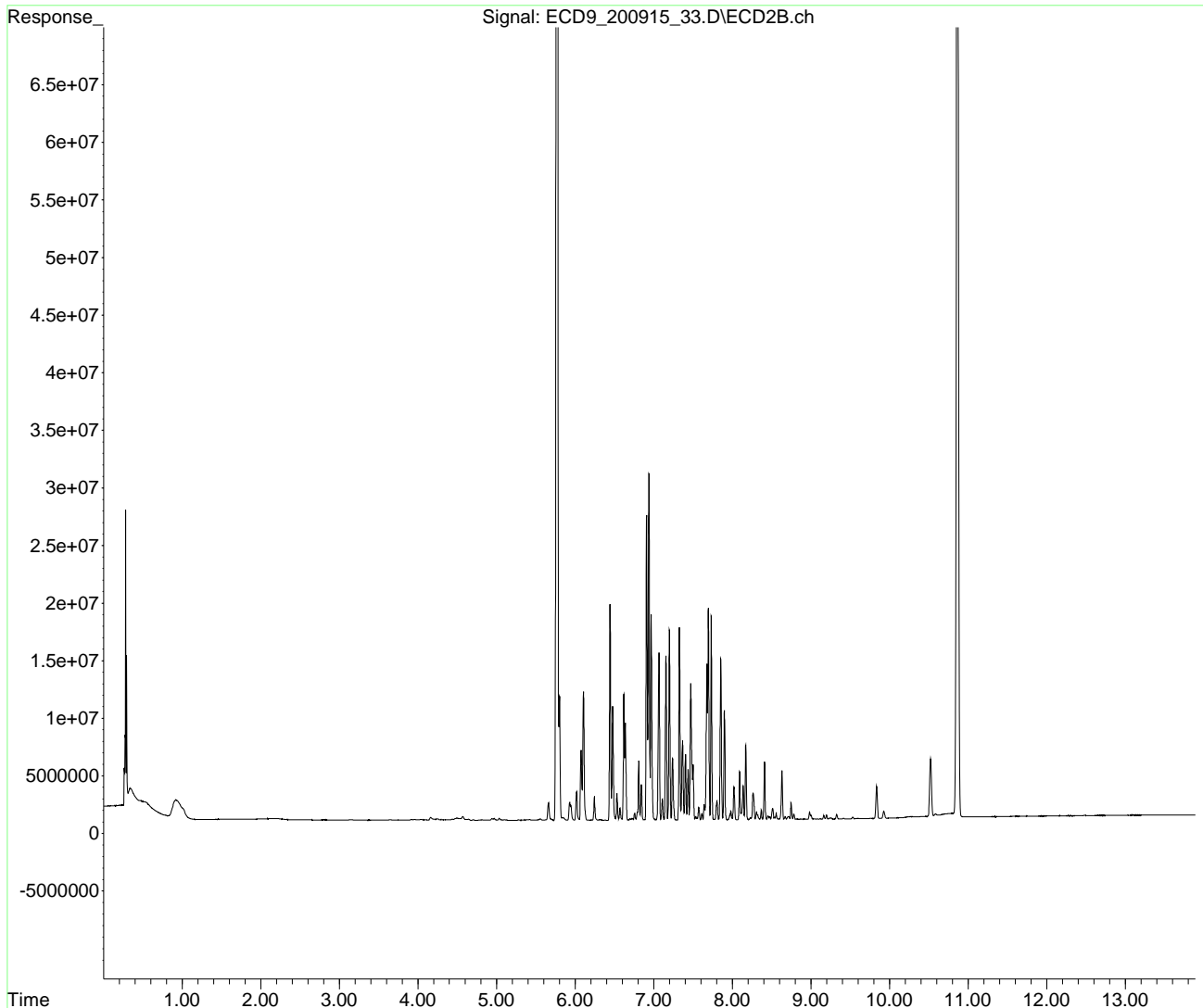
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_33.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:56 pm
Operator :
Sample : 0I15055-CALA
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:17 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_35.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:14 pm
 Operator :
 Sample : 0I15055-CALB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:13:55 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_35.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:14 pm
 Operator :
 Sample : 0I15055-CALB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:13:55 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.910	19068812	506.224	ng/ml
30)	Aroclor 1248 (2)	7.154	27209452	535.946	ng/ml
31)	Aroclor 1248 (3)	7.199	24806192	495.237	ng/ml
32)	Aroclor 1248 (4)	7.326	28952263	538.359	ng/ml
33)	Aroclor 1248 (5)	7.694	36370944	549.630	ng/ml
34)	Aroclor 1248 (6)	7.852	29828104	506.109	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_35.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:14 pm
 Operator :
 Sample : 0I15055-CALB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:13:55 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

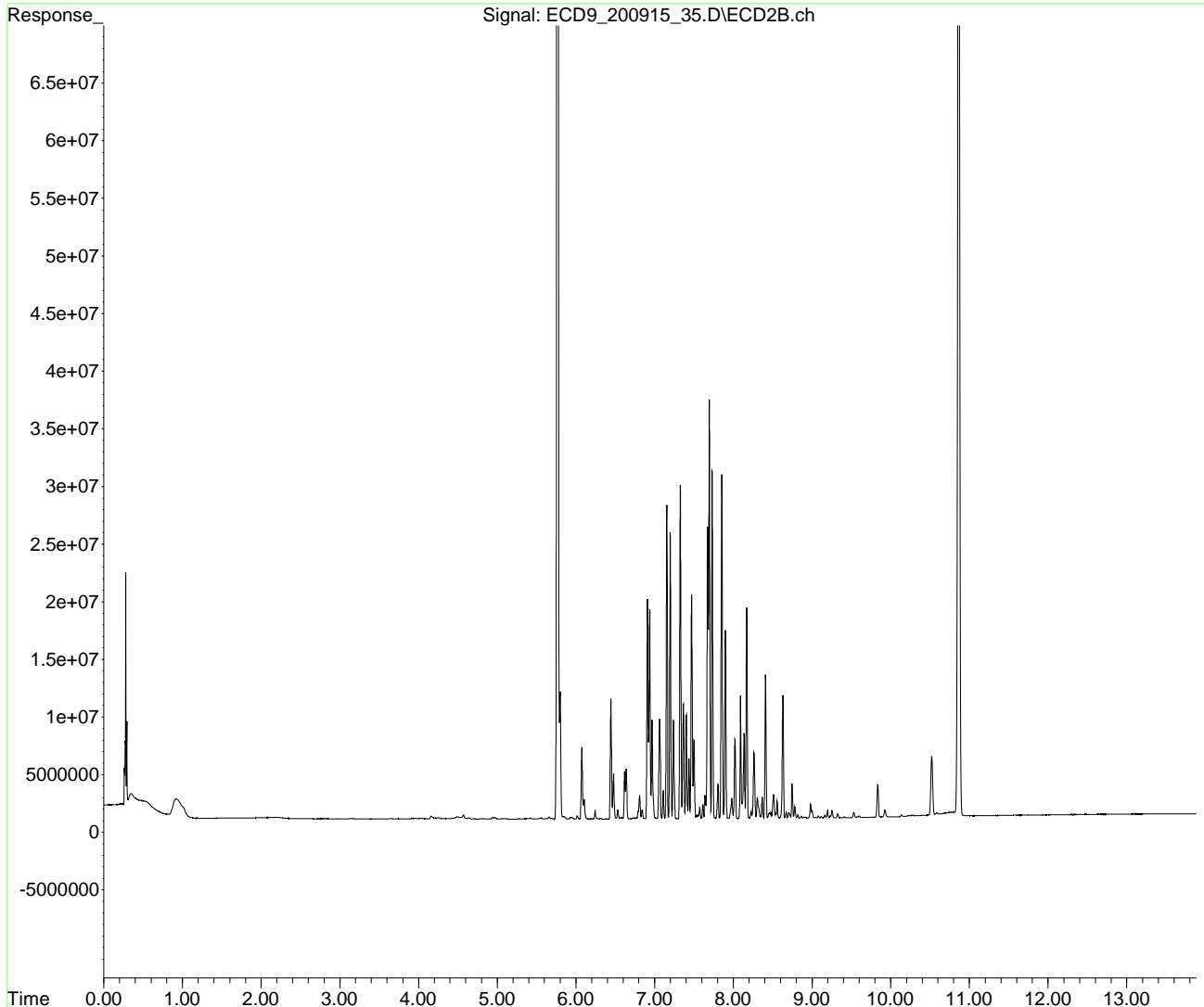
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:14 pm
Operator :
Sample : 0I15055-CALB
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:55 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_37.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:32 pm
 Operator :
 Sample : 0I15055-CALC
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:14:43 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_37.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:32 pm
 Operator :
 Sample : 0I15055-CALC
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:14:43 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.672	35588919	507.058	ng/ml
37)	Aroclor 1254 (2)	7.855	54442662	526.441	ng/ml
38)	Aroclor 1254 (3)	8.168	55759589	525.967	ng/ml
39)	Aroclor 1254 (4)	8.408	40881230	519.268	ng/ml
40)	Aroclor 1254 (5)	8.746	43150589	531.325	ng/ml
41)	Aroclor 1254 (6)	8.980	12068028	537.228	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_37.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:32 pm
 Operator :
 Sample : 0I15055-CALC
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:14:43 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

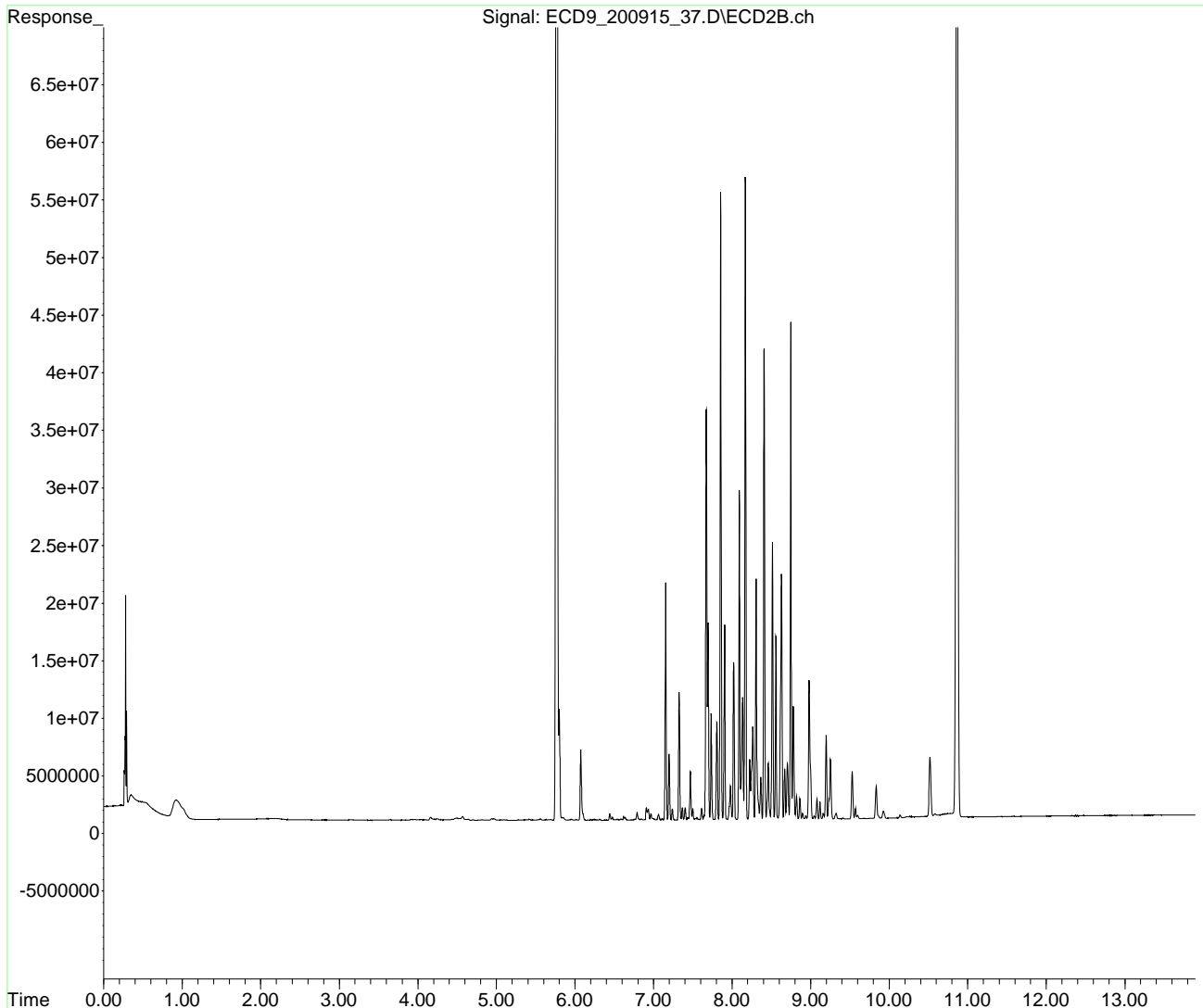
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:32 pm
Operator :
Sample : 0I15055-CALC
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:14:43 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_39.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:50 pm
 Operator :
 Sample : 0I15055-CALD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:15:33 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_39.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:50 pm
 Operator :
 Sample : 0I15055-CALD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:15:33 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	8.513	40021892	500.630	ng/ml
51)	Aroclor 1262 (2)	8.818	56947827	522.647	ng/ml
52)	Aroclor 1262 (3)	8.999	44168074	522.681	ng/ml
53)	Aroclor 1262 (4)	9.253	85264880	504.424	ng/ml
54)	Aroclor 1262 (5)	9.530	52644405	525.471	ng/ml
55)	Aroclor 1262 (6)	10.139	22754745	515.126	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_39.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 06:50 pm
 Operator :
 Sample : 0I15055-CALD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:15:33 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

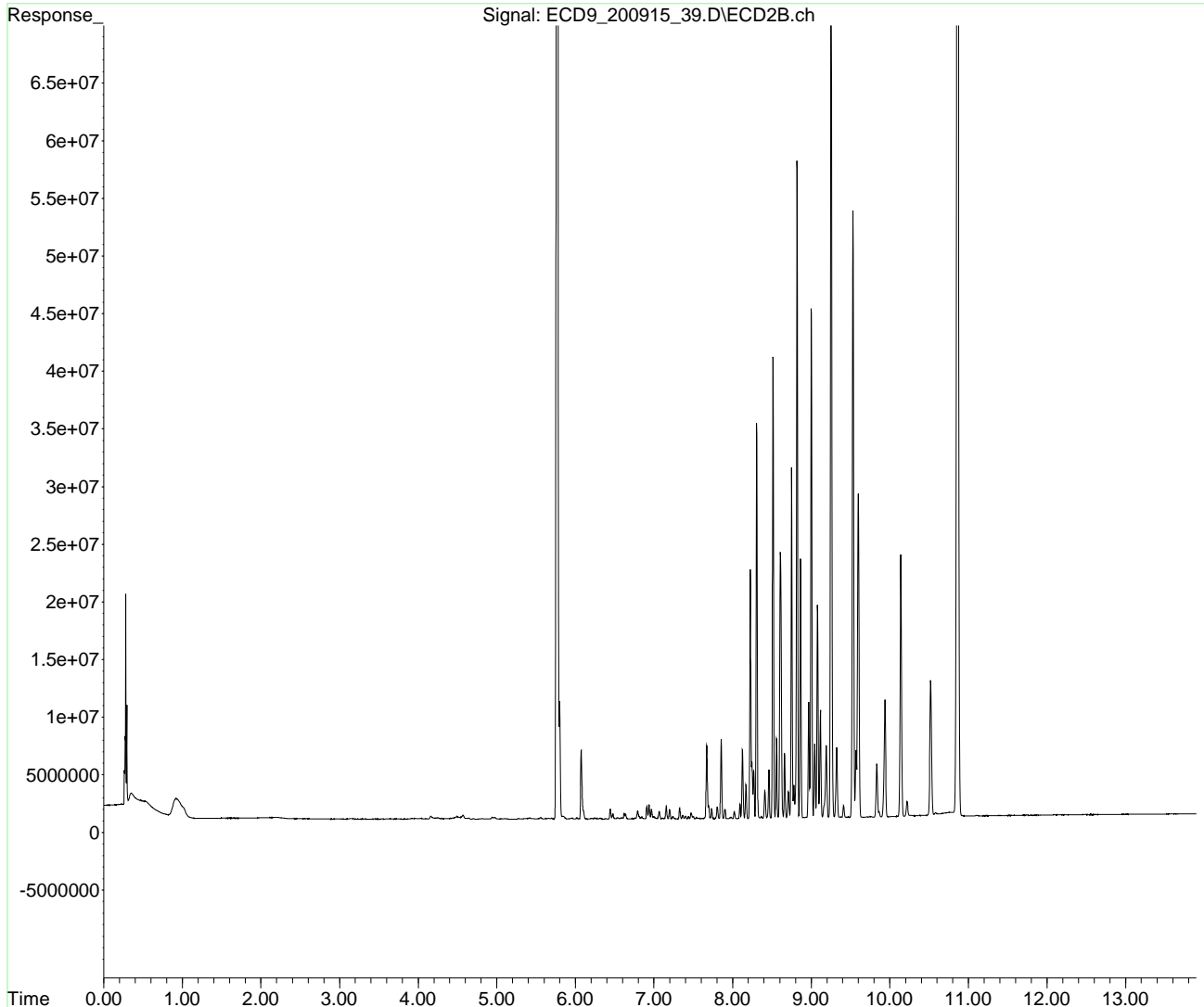
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_39.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:50 pm
Operator :
Sample : 0I15055-CALD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:15:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_41.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:08 pm
 Operator :
 Sample : 0I15055-CALE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
 Quant Time: Sep 16 12:16:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_41.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:08 pm
 Operator :
 Sample : 0I15055-CALE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:16:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	9.044	24186271	511.471	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
 Data File : ECD9_200915_41.D
 Signal(s) : ECD2B.ch
 Acq On : 15 Sep 2020 07:08 pm
 Operator :
 Sample : 0I15055-CALE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Sep 16 12:16:51 2020
 Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 15 12:16:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.531	94477931	497.621 ng/ml
59)	Aroclor 1268 (3)	9.601	75547931	497.571 ng/ml
60)	Aroclor 1268 (4)	9.833	66680239	484.735 ng/ml
61)	Aroclor 1268 (5)	10.139	24802006	493.170 ng/ml
62)	Aroclor 1268 (6)	10.520	171398290	518.616 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

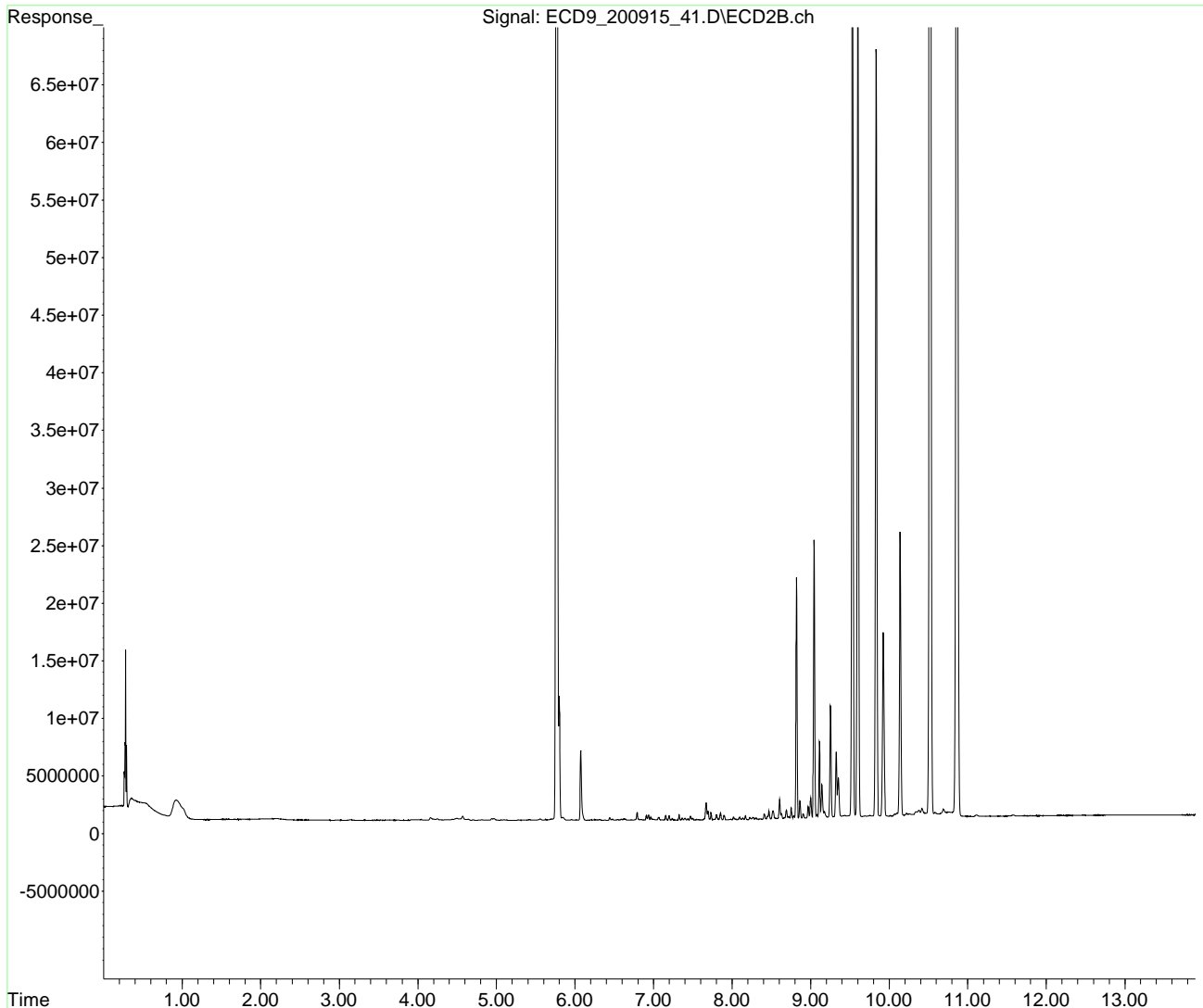
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_41.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:08 pm
Operator :
Sample : 0I15055-CALE
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:16:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0100091

Sequence 0J06051 (A0I0556-04RE1,07RE1,08RE1,11RE1,
14RE1,17RE1,20RE1,21RE1,22RE1,23RE1,24RE1,28RE1)




Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100091 (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
	0100091-BLK1	QC	10/02/20 10:19	11	10				100				
	0100091-BS1	QC	10/02/20 10:19	10	10	A20I454		100	100				
	A0I0556-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.3	20				100	PDI-048SC-A-08-11-200506	MDL. Use Custom Spike.		
	0100091-DUP1	QC	10/02/20 10:19	10.28	20		A0I0556-04RE1		100				
	A0I0556-07RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.43	20				100	PDI-069SC-A-08-10-191016	MDL. Use Custom Spike.		
	A0I0556-08RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.28	20				100	PDI-069SC-A-10-11-191016	MDL. Use Custom Spike.		
	A0I0556-09RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.4	10				100	PDI-073SC-A-08-09-191013	MDL. Use Custom Spike.		
	A0I0556-10RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.17	20				100	PDI-073SC-A-09-10-191013	MDL. Use Custom Spike.		
	A0I0556-11RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.59	20				100	PDI-073SC-A-10-11-191013	MDL. Use Custom Spike.		
	A0I0556-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.47	20				100	PDI-075SC-A-08-10-191013	MDL. Use Custom Spike.		
	A0I0556-17RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.46	10				100	PDI-075SC-A-10-12-191013	MDL. Use Custom Spike.		
	A0I0556-20RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.5	10				100	PDI-075SC-A-12-14-191013	MDL. Use Custom Spike.		
	A0I0556-21RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.52	10				100	PDI-078SC-A-07-08-200505	MDL. Use Custom Spike.		
	A0I0556-21RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.52	10				100	PDI-078SC-A-07-08-200505	Added 10/7/2020 By MJB		
	A0I0556-22RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.34	10				100	PDI-079SC-B-06-08-191014	MDL. Use Custom Spike.		
	A0I0556-23RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.2	20				100	PDI-083SC-A-08-09-191022	MDL. Use Custom Spike.		
	A0I0556-24RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.66	10				100	PDI-083SC-A-09-10-191022	MDL. Use Custom Spike.		
	A0I0556-27RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.35	5				100	PDI-083SC-A-10-12-191022	MDL. Use Custom Spike.		
	A0I0556-27RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.35	10				100	PDI-083SC-A-10-12-191022	MDL. Use Custom Spike.		

Prepared By: _____ Date _____


 Reviewed By: _____ Date 10/8/20

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0100091 (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
	A0I0556-28RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.16	10				100	PDI-083SC-A-14-15-191022	MDL. Use Custom Spike.			
	A0I0710-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.77	10				100	NCPDI-012SG-200923	MDL			
	A0I0710-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.75	10				100	NCPDI-013SG-200923	MDL			
	A0I0750-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.74	10				100	NCPDI-011SG-200926	MDL			
	A0I0750-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.2	10				100	NCPDI-014SG-200926	MDL			
	0100091-MS1	QC	10/02/20 10:19	10.22	10	A20I454	A0I0750-02RE1	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
A20G009	12/28/20	n-Hexane Lot# 200528	A20I454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

From 0100073 on 10/2/2020 by agr

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

GPL #1

BATCH #: 0100091 (Sediment)

Prep Method: EPA 3546

in / out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	0100091-BLK1	QC	10/02/20 10:19	11	10				100				
	0100091-BS1	QC	10/02/20 10:19	10	10	A20I454		100	100				
	A0I0556-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.3	20				100	PDI-048SC-A-08-11-200506	MDL. Use Custom Spike.		
	0100091-DUPI	QC	10/02/20 10:19	10.28	20		A0I0556-04RE1		100				
	A0I0556-07RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.43	20				100	PDI-069SC-B-08-10-191016	MDL. Use Custom Spike.		
	A0I0556-08RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.28	20				100	PDI-069SC-A-10-11-191016	MDL. Use Custom Spike.		
	A0I0556-09RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.4	10				100	PDI-073SC-A-08-09-191013	MDL. Use Custom Spike.		
	A0I0556-10RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.17	20				100	PDI-073SC-A-09-10-191013	MDL. Use Custom Spike.		
	A0I0556-11RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.59	20				100	PDI-073SC-A-10-11-191013	MDL. Use Custom Spike.		
	A0I0556-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.47	20				100	PDI-075SC-B-08-10-191013	MDL. Use Custom Spike.		
	A0I0556-17RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.46	10				100	PDI-075SC-B-10-12-191013	MDL. Use Custom Spike.		
	A0I0556-20RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.5	10				100	PDI-075SC-B-12-14-191013	MDL. Use Custom Spike.		
	A0I0556-21RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.52	10				100	PDI-078SC-A-07-08-200505	MDL. Use Custom Spike.		
	A0I0556-22RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.34	10				100	PDI-079SC-B-06-08-191014	MDL. Use Custom Spike.		
	A0I0556-23RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.2	20				100	PDI-083SC-A-08-09-191022	MDL. Use Custom Spike.		
	A0I0556-24RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.66	10				100	PDI-083SC-A-09-10-191022	MDL. Use Custom Spike.		
	A0I0556-27RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.35	5				100	PDI-083SC-B-10-12-191022	MDL. Use Custom Spike.		
	A0I0556-27RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.35	5 10				100	PDI-083SC-B-10-12-191022	MDL. Use Custom Spike.		
	A0I0556-28RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.16	10				100	PDI-083SC-A-14-15-191022	MDL. Use Custom Spike.		

in / out
10.05 1mL
1mL / 2mL

Prepared By: SCC Date: 10-05-2020
10/06/2020 (Exchange/vialing)

Reviewed By: CAS Date: 10/06/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0100091 (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
	A010710-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.77	10				100	NCPDI-012SG-2 00923	MDL		
	A010710-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.75	10				100	NCPDI-013SG-2 00923	MDL		
	A010750-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.74	10				100	NCPDI-011SG-2 00926	MDL		
	A010750-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.2	10				100	NCPDI-014SG-2 00926	MDL		
	0100091-MS1	QC	10/02/20 10:19	10.22	10	A201454	A010750-02RE1	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
A20G009	12/28/20	n-Hexane Lot# 200528	A201454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

From 0100073 on 10/2/2020 by agr

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100091 (Sediment)

Prep Method: EPA 3546

GPC 1

In | Out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	one	>11	
	0100091-BLK1	QC	10/02/20 10:19	11	8/10				100		1ml	2ml			
	0100091-BS1	QC	10/02/20 10:19	10	8/10	A201454		100	100		1ml	2ml			
	A0I0556-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.3	8/20				100	PDI-048SC-A-08-11-200506	MDL. Use Custom Spike. 0.5ml	2ml			
	0100091-DUP1	QC	10/02/20 10:19	10.28	8/20		A0I0556-04RE1		100		0.5ml	2ml			
	A0I0556-07RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.43	8/20				100	PDI-069SC-B-08-10-191016	MDL. Use Custom Spike. 0.5ml	2ml			
	A0I0556-08RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.28	8/20				100	PDI-069SC-A-10-11-191016	MDL. Use Custom Spike. 0.5ml	2ml			
	A0I0556-09RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.4	8/10				100	PDI-073SC-A-08-09-191013	MDL. Use Custom Spike. 1ml	2ml			
	A0I0556-10RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.17	8/20				100	PDI-073SC-A-09-10-191013	MDL. Use Custom Spike. 0.5ml	2ml			
	A0I0556-11RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.59	8/20				100	PDI-073SC-A-10-11-191013	MDL. Use Custom Spike. 0.5ml	2ml			
	A0I0556-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.47	8/20				100	PDI-075SC-B-08-10-191013	MDL. Use Custom Spike. 0.5ml	2ml			
	A0I0556-17RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.46	8/10				100	PDI-075SC-B-10-12-191013	MDL. Use Custom Spike. 1ml	2ml			
	A0I0556-20RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.5	8/10				100	PDI-075SC-B-12-14-191013	MDL. Use Custom Spike. 1ml	2ml			
	A0I0556-21RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.52	8/10				100	PDI-078SC-A-07-08-200505	MDL. Use Custom Spike. 1ml	2ml			
	A0I0556-22RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.34	8/10				100	PDI-079SC-B-06-08-191014	MDL. Use Custom Spike. 1ml	2ml			
	A0I0556-23RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.2	8/20				100	PDI-083SC-A-08-09-191022	MDL. Use Custom Spike. 0.5ml	2ml	#		
	A0I0556-24RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.66	8/10				100	PDI-083SC-A-09-10-191022	MDL. Use Custom Spike. 1ml	2ml	#		
	A0I0556-27RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.35	8/5				100	PDI-083SC-B-10-12-191022	MDL. Use Custom Spike. 1ml	—	*		
	A0I0556-28RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10.16	8/10				100	PDI-083SC-A-14-15-191022	MDL. Use Custom Spike. 1ml	2ml			
	A0I0710-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.77	8/10				100	NCPDI-012SG-200923	MDL 1ml	2ml			

Prepared By: *scg*

Date: 10-02-2020

10/05/2020 (Exchange/Visiting)

Reviewed By: *cas*

Date: 10/06/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0100091 (Sediment)

Prep Method: EPA 3546

In Out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction	Comments	pH		
													<2	5-11	>11
	A010710-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.75	8 10				100	NCPDI-013SG-2 00923	MDL 4 mL	2 mL			
	A010750-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.74	8 10				100	NCPDI-011SG-2 00926	MDL 4 mL	2 mL			
	A010750-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10.2	8 10				100	NCPDI-014SG-2 00926	MDL 4 mL	2 mL			
	0100091-MS1	QC	10/02/20 10:19	10.22	8 10	A201454	A010750-02RE1	100	100		2 mL	2 mL			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20G009	12/28/20	n-Hexane Lot# 200528	A201454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

From 0100073 on 10/2/2020 by agr

** = Sample turbovap broke and emptied into bathwater. New aliquot of extract will be added to GPC 10/05/20.*

= Over-pressure during injection

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0100073 (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
1	0100073-BLK1	QC	10/02/20 10:19	10	5				100				
2	0100073-BS1	QC	10/02/20 10:19	10	5	A201454		100	100				
3	A010556-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-30	5				100	PDI-048SC-A-08-11-200506	MDL. Use Custom Spike. mod odor		
4	0100073-DUP1	QC	10/02/20 10:19	10-28	5		A010556-04		100				
5	A010556-07	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-43	5				100	PDI-069SC-B-08-10-191016	MDL. Use Custom Spike. mod		
6	A010556-08	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-28	5				100	PDI-069SC-A-10-11-191016	MDL. Use Custom Spike. mod		
7	A010556-09	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-40	5				100	PDI-073SC-A-08-09-191013	MDL. Use Custom Spike. mod		
8	A010556-10	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-17	5				100	PDI-073SC-A-09-10-191013	MDL. Use Custom Spike. mod odor		
9	A010556-11	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-59	5				100	PDI-073SC-A-10-11-191013	MDL. Use Custom Spike. mod odor		
10	A010556-14	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-47	5				100	PDI-075SC-B-08-10-191013	MDL. Use Custom Spike. mod		
11	A010556-17	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-46	5				100	PDI-075SC-B-10-12-191013	MDL. Use Custom Spike. mod		
12	A010556-20	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-50	5				100	PDI-075SC-B-12-14-191013	MDL. Use Custom Spike. mod		
13	A010556-21	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-52	5				100	PDI-078SC-A-07-08-200505	MDL. Use Custom Spike. mod		
14	A010556-22	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-34	5				100	PDI-079SC-B-06-08-191014	MDL. Use Custom Spike. mod		
15	A010556-23	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-20	5				100	PDI-083SC-A-08-09-191022	MDL. Use Custom Spike. mod		
16	A010556-24	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-66	5				100	PDI-083SC-A-09-10-191022	MDL. Use Custom Spike. mod		
17	A010556-27	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-35	5				100	PDI-083SC-B-10-12-191022	MDL. Use Custom Spike. mod		
18	A010556-28	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:19	10-16	5				100	PDI-083SC-A-14-15-191022	MDL. Use Custom Spike. mod		
19	A010710-01	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10-77	5				100	NCPDI-012SG-200923	MDL mod		

Prepared By: *[Signature]* Date: 10-02-2020
10/2/20

Reviewed By: SCC Date: 10/02/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: **0100073 (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	A010710-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10 10.75	5 ✓				100	NCPDI-013SG-2 00923	MDL sand-dirt			
21	A010750-01	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10 10.74	5 ✓				100	NCPDI-011SG-2 00926	MDL sand-dirt			
22	A010750-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/02/20 10:20	10 10.20	5 ✓				100	NCPDI-014SG-2 00926	MDL sand-dirt			
23	0100073-MS1	QC	10/02/20 10:19	10 10.22	5 ✓	A201454	A010750-02	100	100					

Standards/Reagents

Reagent(s)			Analyte Spike(s) <i>cm</i>			Surrogate(s) <i>cm</i>		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A201454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A201084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperature achieved.

Initial: *cm*

Witness: *cm* 10/2/20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **OJ06051**

Instrument: **DUALECD8**

Date: **10/06/20 11:48**

Calibration: **A0G2005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ06051-BKD1	Sediment	QC	QC				A20H479
2	OJ06051-CCV1	Sediment	QC	QC				A20H475
3	OJ06051-CCV2	Sediment	QC	QC				A20I185
4	OJ06051-BKD2	Sediment	QC	QC				A20H479
5	OJ06051-CCV3	Sediment	QC	QC				A20H475
6	OJ06051-CCV4	Sediment	QC	QC				A20I185
7	OJ06051-BKD3	Sediment	QC	QC				A20H479
8	OJ06051-CCV5	Sediment	QC	QC				A20H475
9	OJ06051-CCV6	Sediment	QC	QC				A20I185
10	OJ06051-CCB1	Sediment	QC	QC				A20I313
11	0100149-BLK1	Sediment	QC	QC		0100149		
12	0100149-BS1	Sediment	QC	QC		0100149		
13	A0I0505-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/06/20	0100149		
14	0100149-DUP1	Sediment	QC	QC		0100149		
15	A0I0505-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/06/20	0100149		
16	0100149-MS1	Sediment	QC	QC		0100149		
17	0100149-MSD1	Sediment	QC	QC		0100149		
18	A0I0556-11RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
19	OJ06051-IBL1	Sediment	QC	QC				
20	A0I0556-14RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
21	OJ06051-IBL2	Sediment	QC	QC				
22	A0I0556-17RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
23	OJ06051-IBL3	Sediment	QC	QC				
24	OJ06051-CCV7	Sediment	QC	QC				A20H476
25	OJ06051-CCV8	Sediment	QC	QC				A20I186
26	OJ06051-CCB2	Sediment	QC	QC				A20I313
27	A0I0556-20RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
28	OJ06051-IBL4	Sediment	QC	QC				
29	A0I0556-21RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
30	OJ06051-IBL5	Sediment	QC	QC				
31	A0I0556-22RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
32	OJ06051-IBL6	Sediment	QC	QC				
33	A0I0556-23RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
34	OJ06051-IBL7	Sediment	QC	QC				
35	A0I0556-24RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
36	OJ06051-IBL8	Sediment	QC	QC				
37	A0I0556-28RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
38	OJ06051-IBL9	Sediment	QC	QC				
39	A0I0556-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
40	OJ06051-IBLA	Sediment	QC	QC				
41	0100091-DUP1	Sediment	QC	QC		0100091		
42	OJ06051-IBLB	Sediment	QC	QC				
43	A0I0556-07RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
44	OJ06051-IBLC	Sediment	QC	QC				
45	A0I0556-08RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
46	OJ06051-IBLD	Sediment	QC	QC				
47	OJ06051-CCV9	Sediment	QC	QC				A20H475
48	OJ06051-CCVA	Sediment	QC	QC				A20I185
49	OJ06051-CCB3	Sediment	QC	QC				A20I313

Sequence: **OJ06051**

Instrument: **DUALECD8**

Date: **10/06/20 11:48**

Calibration: **A0G2005**

<u>#</u>	<u>Lab Number</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Client</u>	<u>Due</u>	<u>Batch</u>	<u>ISTD ID</u>	<u>STD ID</u>
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Data Entered By/Date: MJB 10/7/20

Comments:

Data Reviewed By/Date: MKZ 10/8/2020

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 12:32
 Operator : MJB
 Sample : 0J06051-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 12:51:15 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.289	11753381	NoCal	ng/mL
2) Endrin	7.637	1723976099	NoCal	ng/mL
3) 4,4'-DDD	7.703	59568769	NoCal	ng/mL
4) 4,4'-DDT	7.899	3157767823	NoCal	ng/mL
5) Endrin Aldehyde	8.079	56235454	NoCal	ng/mL
6) Endrin Ketone	8.568	54041279	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.195	21075391	NoCal	ng/mLm
9) Endrin [2C]	8.553	1551468547	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.607	72345654	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.937	42136180	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.830	2935069413	NoCal	ng/mL
13) Endrin Ketone [2C]	9.524	62406081	NoCal	ng/mLm

(f)=RT Delta > 1/2 Window

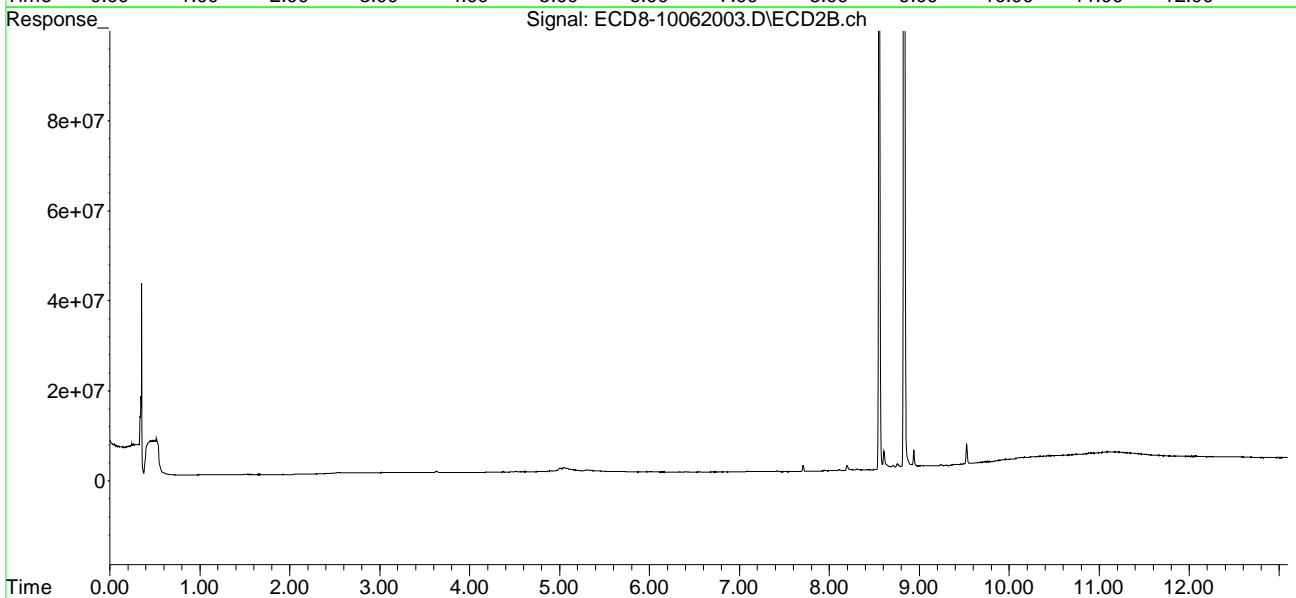
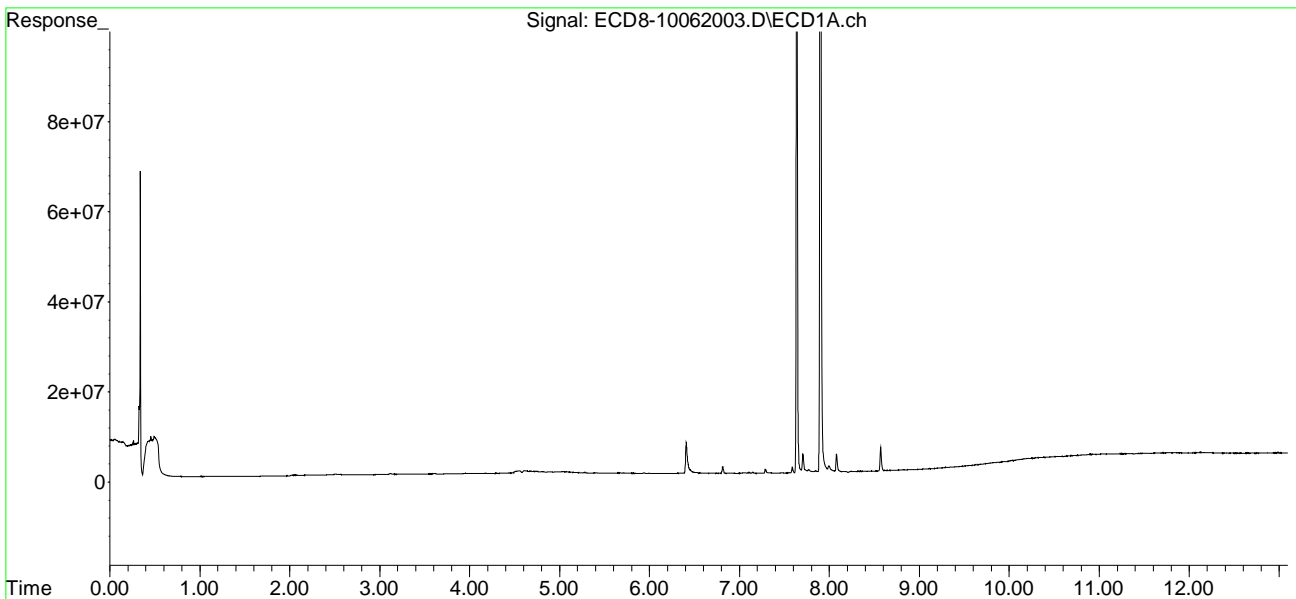
(m)=manual int.

CCV failed. Maintenance perfomed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 12:32
Operator : MJB
Sample : 0J06051-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 12:51:15 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 12:48
 Operator : MJB
 Sample : 0J06051-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Q-14

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:08:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.106	5.847	156.3E6	131.4E6	41.874	37.442
22) S DCBP (S)	9.287	10.366	109.4E6	90132438	35.863	42.097
Target Compounds						
2) a-BHC	5.636	6.447	242.2E6	231.4E6	49.181	48.719
3) g-BHC	5.917	6.763	213.7E6	210.2E6	48.311	50.039
4) b-BHC	5.992	6.830	79323839	75537714	39.954	40.068
5) Heptachlor	6.325	7.132	222.2E6	217.3E6	52.480	52.776
6) d-BHC	6.138	7.082	175.8E6	176.8E6	42.616	43.729
7) Aldrin	6.562	7.395	206.7E6	202.4E6	47.367	51.356
8) Heptachlo...	7.019	7.832	190.1E6	182.4E6	46.941	49.828
9) trans-Chl...	7.114	7.971	192.8E6	181.1E6	46.596	48.871
10) cis-Chlor...	7.212	8.079	190.2E6	181.5E6	46.376	51.156
11) Endosulfa...	7.303	8.127	197.6E6	162.8E6	52.379	49.136
12) 4,4'-DDE	7.288	8.191	164.9E6	156.1E6	40.337	42.307
13) Dieldrin	7.475	8.327	191.5E6	187.0E6	45.280	50.854
14) Endrin	7.636	8.553	165.4E6	161.2E6	54.690	60.466
15) 4,4'-DDD	7.702	8.605	127.7E6	120.7E6	38.221	39.568
16) Endosulfa...	7.791	8.701	141.1E6	133.8E6	43.637	45.605
17) 4,4'-DDT	7.899	8.830	150.0E6	133.1E6	48.530	46.892
18) Endrin Al...	8.079	8.937	122.7E6	117.8E6	37.265	41.388
19) Endosulfa...	8.377	9.129	145.0E6	131.7E6	50.065	51.044
20) Methoxychlor	8.243	9.311	66448934	61801116	43.846	41.679
21) Endrin Ke...	8.568	9.525	165.6E6	148.9E6	71.654	77.708
23) Hexachlor...	0.000	3.543	0	6209	N.D.	BelowCal
24) Hexachlor...	5.485	6.334	420620	50660	BelowCal	BelowCal
25) Oxychlorane	6.957	7.740f	867615	65415	0.069	BelowCal #
26) 2,4'-DDE	7.019f	7.971	190.1E6	181.1E6	72.791	74.533
27) trans-Non...	7.212	8.034	190.2E6	640649	50.354	BelowCal #
28) 2,4'-DDD	0.000	8.327	0	187.0E6	N.D.	86.168 #
29) 2,4'-DDT	7.585	8.553	554084	161.2E6	0.056	72.329 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 12:48
 Operator : MJB
 Sample : 0J06051-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:08:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

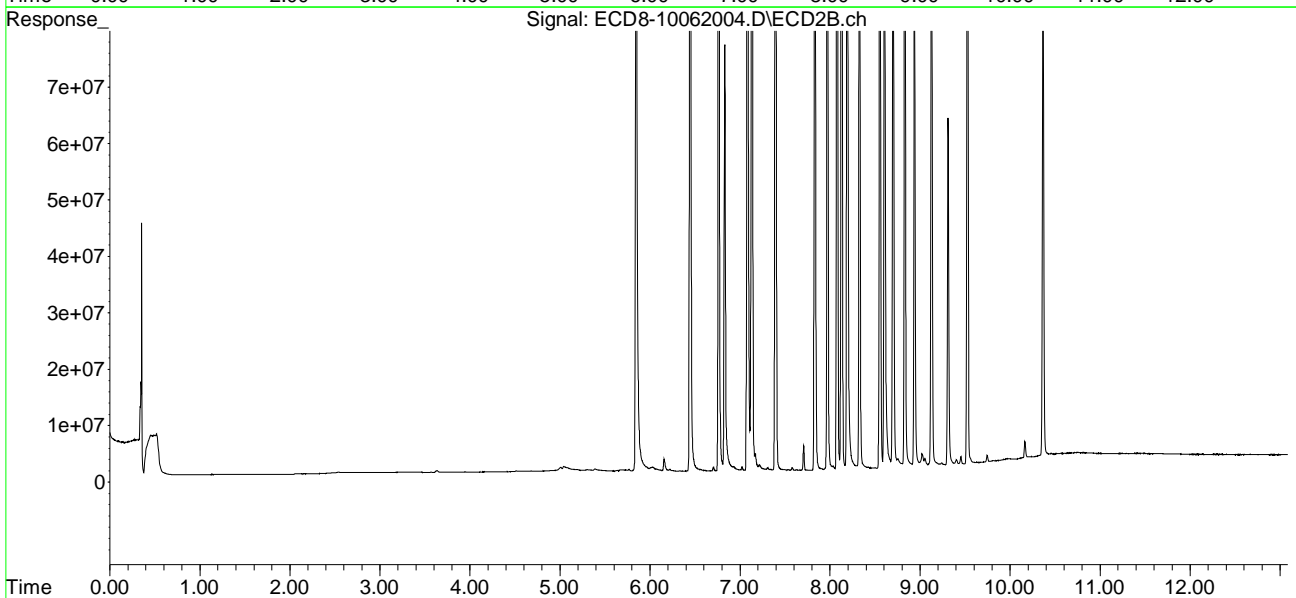
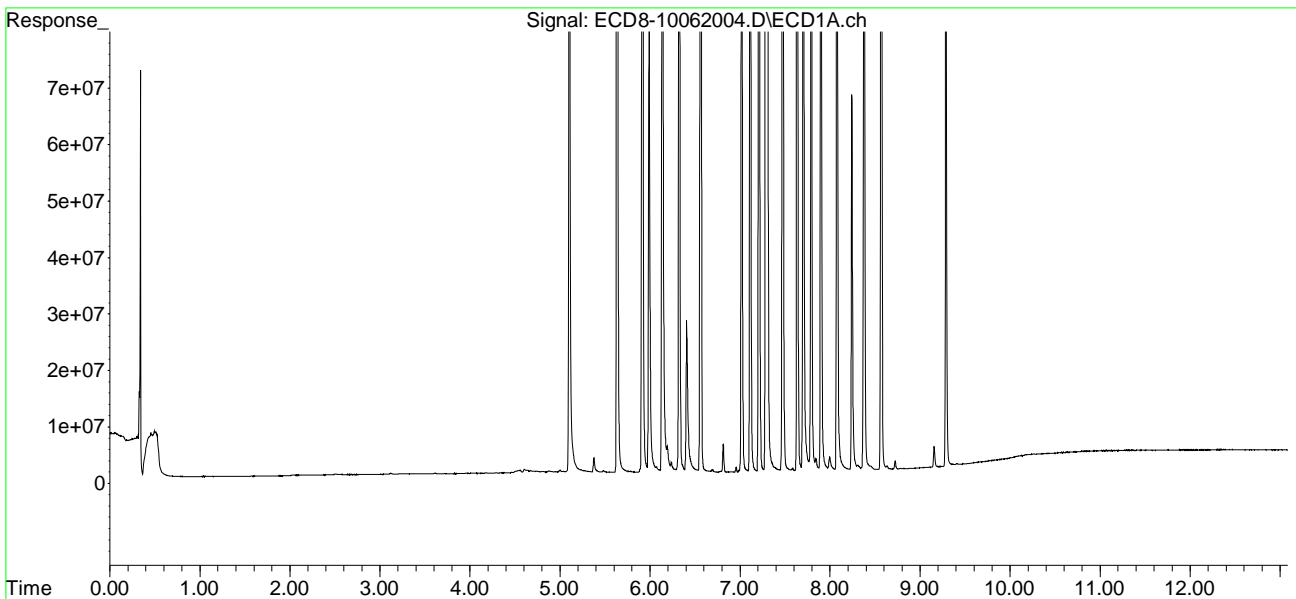
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.702f	8.605	127.7E6	120.7E6	31.127	32.936
31)	Mirex	8.306f	9.525	833323	148.9E6	0.032	66.540 #
32)	Chlordane...	0.000	8.191f	0	156.1E6	N.D.	353.214 #
33)	Chlordane...	0.000	8.327	0	187.0E6	N.D.	502.461 #
34)	Chlordane...	8.079	9.022f	122.7E6	2335652	846.017	12.172 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.303	8.424	197.6E6	242459	11488.652	8.019 #
37)	Toxaphene...	7.585f	8.753	554084	1580548	13.947	40.221 #
38)	Toxaphene...	7.899	8.798	150.0E6	741351	1990.140	11.723 #
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.377	9.054	145.0E6	1434201	2596.305	25.261 #
41)	Toxaphene...	0.000	9.405	0	1014950	N.D.	15.675 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 12:48
Operator : MJB
Sample : 0J06051-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 17:08:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 13:05
 Operator : MJB
 Sample : 0J06051-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Q-14

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:10:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.081f	5.839	1347396	26531	0.361	0.008 #
22) S DCBP (S)	0.000	10.384	0	1196508	N.D.	0.335 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.939	6.769	62813	70357	0.014	0.017
4) b-BHC	5.998	6.839	38015	55449	0.019	0.029 #
5) Heptachlor	6.325	7.132	453814	420198	0.107	0.076 #
6) d-BHC	6.141	7.091	38530	80018	0.009	0.053 #
7) Aldrin	6.559	7.395	51929	18672	0.012	BelowCal #
8) Heptachlo...	7.037	7.871f	96448651	427826	23.818	0.117 #
9) trans-Chl...	0.000	7.970	0	92549124	N.D.	24.977 #
10) cis-Chlor...	7.205	8.077	177.8E6	1632513	43.347	0.460 #
11) Endosulfa...	7.312	8.143	486208	284934	0.129	0.086 #
12) 4,4'-DDE	7.312f	8.191	486208	180900	0.119	0.071 #
13) Dieldrin	7.448f	8.342	3190276	76818596	0.754	20.887 #
14) Endrin	7.671f	8.564	186.6E6	93774025	61.702	36.531 #
15) 4,4'-DDD	7.671f	8.598	186.6E6	180.1E6	55.859	57.394
16) Endosulfa...	7.822f	0.000	152685	0	0.047	N.D. #
17) 4,4'-DDT	7.902	8.857f	83343	67152	0.027	0.010 #
18) Endrin Al...	8.084	8.943	168364	209217	0.051	0.073 #
19) Endosulfa...	8.373	9.129	579353	50362	0.200	BelowCal #
20) Methoxychlor	8.246	9.311	13777	100420	0.009	0.068 #
21) Endrin Ke...	8.584	9.513	343946	97683141	0.149	53.404 #
23) Hexachlor...	2.885	3.548	161.3E6	200.2E6	46.288	51.358
24) Hexachlor...	5.484	6.313	132.3E6	112.1E6	36.794	32.610
25) Oxychlorane	6.949	7.762	154.1E6	143.7E6	44.943	47.311
26) 2,4'-DDE	7.037	7.970	96448651	92549124	37.203	39.718
27) trans-Non...	7.205	8.035	177.8E6	164.6E6	47.057	48.742
28) 2,4'-DDD	7.406	8.342	83548453	76818596	36.998	37.485
29) 2,4'-DDT	7.588	8.564	101.6E6	93774025	43.052	43.627

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 13:05
 Operator : MJB
 Sample : 0J06051-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:10:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

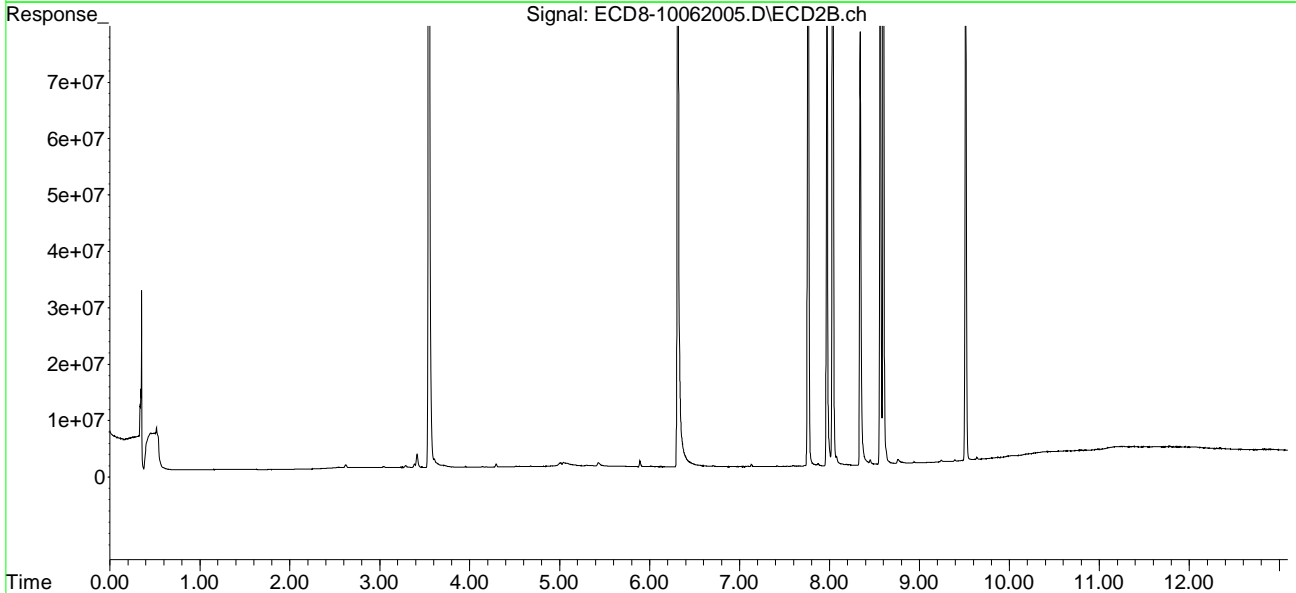
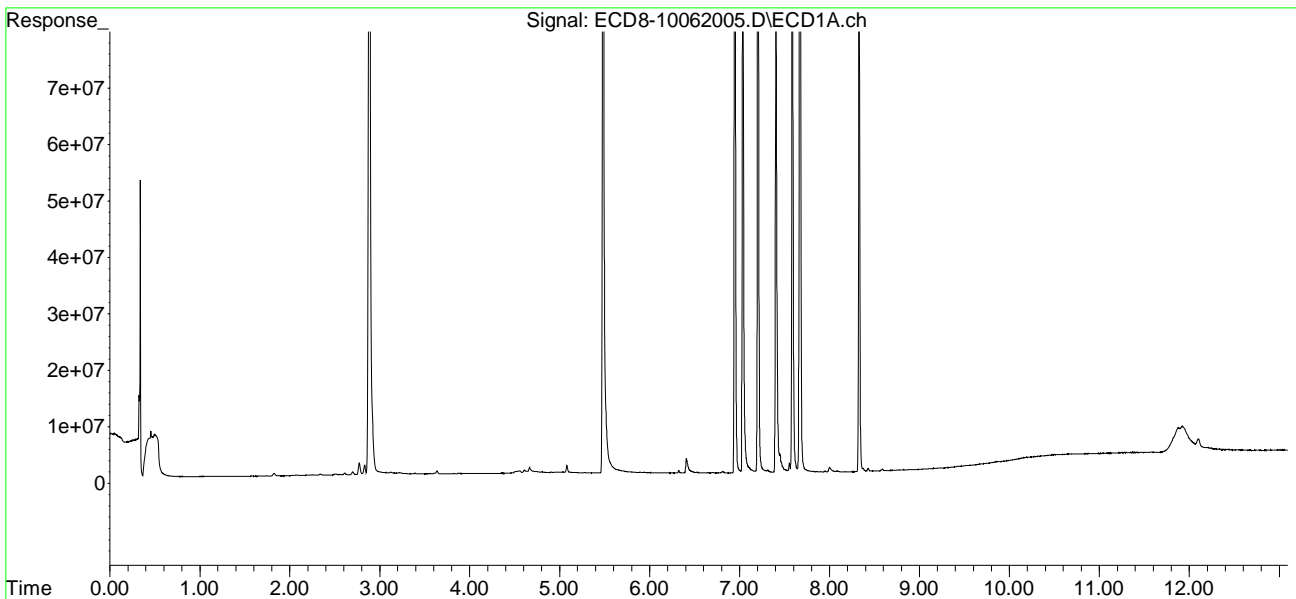
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.671	8.598	186.6E6	180.1E6	45.475	48.380
31)	Mirex	8.329	9.513	109.5E6	97683141	41.726	44.335
32)	Chlordane...	7.448	8.218	3190276	146035	7.052	0.331 #
33)	Chlordane...	7.555f	8.342	1611059	76818596	2.928	206.375 #
34)	Chlordane...	8.084	8.987	168364	33553	1.161	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.312	8.452f	486208	847439	28.265	28.026
37)	Toxaphene...	7.588f	8.762	101.6E6	771308	3208.169	19.628 #
38)	Toxaphene...	7.902	8.809	83343	229648	1.106	3.632 #
39)	Toxaphene...	8.141	8.866	23068	60360	BelowCal	BelowCal
40)	Toxaphene...	8.373	9.046	579353	28186	10.373	0.496 #
41)	Toxaphene...	8.429	9.394f	557257	294920	7.249	4.555 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 13:05
Operator : MJB
Sample : 0J06051-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 17:10:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 14:22
 Operator : MJB
 Sample : 0J06051-BKD2
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 14:41:05 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTF.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.290	14729682	NoCal	ng/mL
2) Endrin	7.642	1696561857	NoCal	ng/mL
3) 4,4'-DDD	7.705	48806148	NoCal	ng/mL
4) 4,4'-DDT	7.901	3155853091	NoCal	ng/mL
5) Endrin Aldehyde	8.083	99767388	NoCal	ng/mL
6) Endrin Ketone	8.571	82920582	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.201	14555259	NoCal	ng/mL
9) Endrin [2C]	8.559	1512072451	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.612	63132107	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.943	74694611	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.834	2940396405	NoCal	ng/mL
13) Endrin Ketone [2C]	9.530	67018853	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

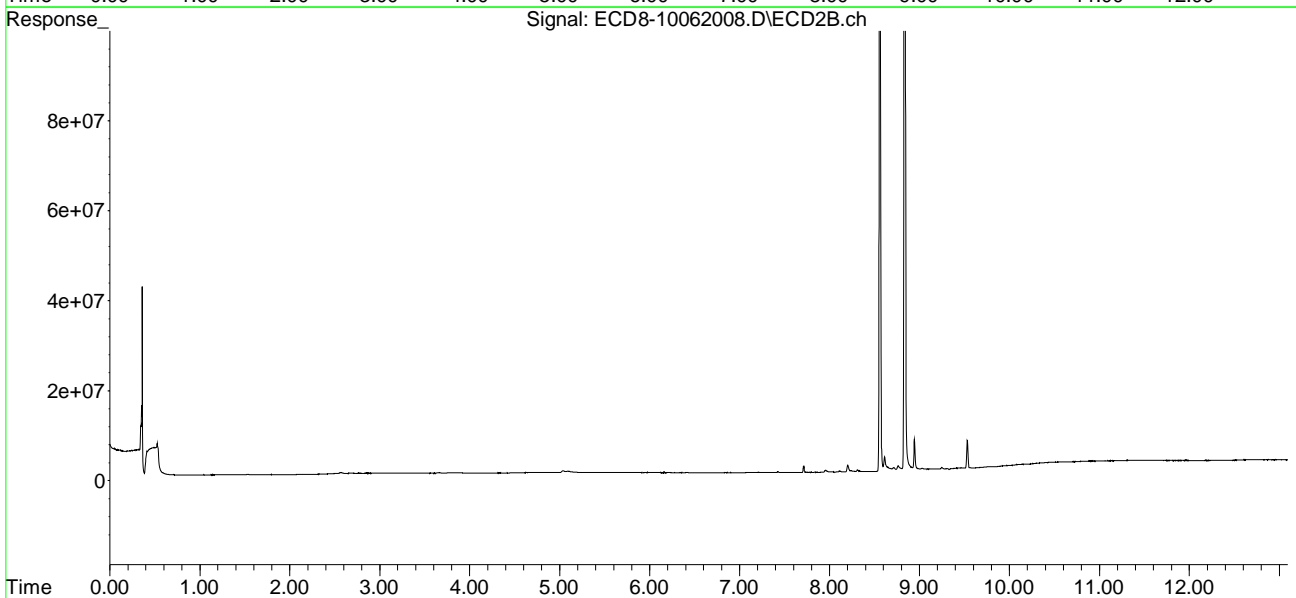
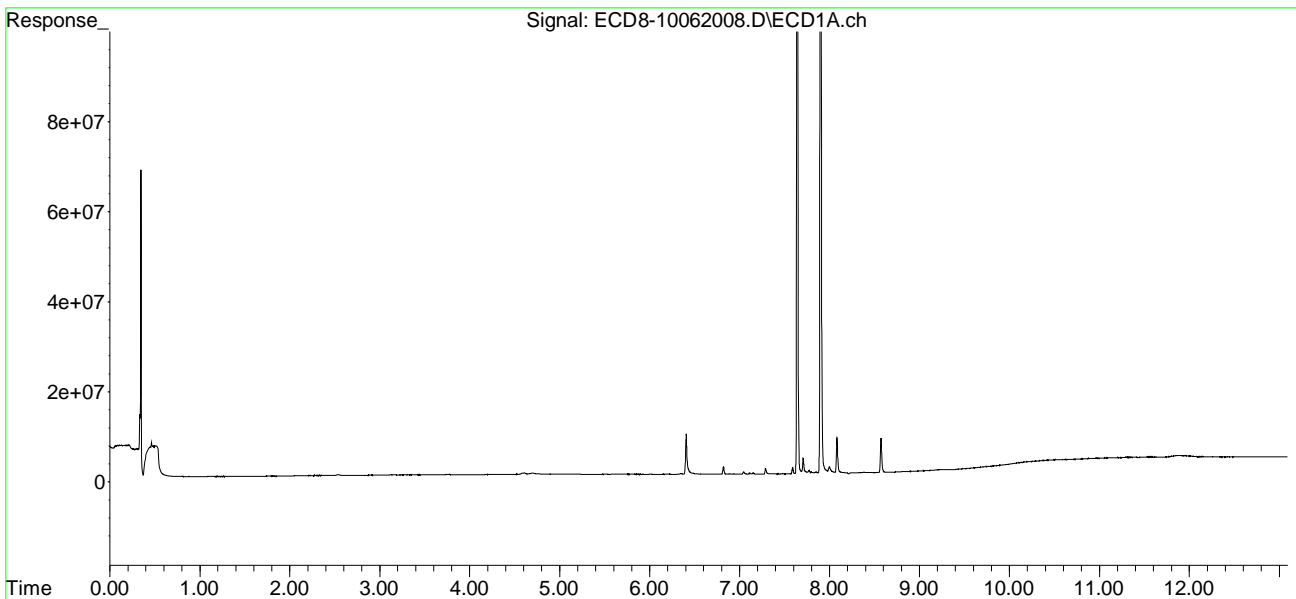
(m)=manual int.

Replaced guard column. CCV failed, corrective action performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 14:22
Operator : MJB
Sample : 0J06051-BKD2
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 14:41:05 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTF.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 14:39
 Operator : MJB
 Sample : 0J06051-CCV3
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Q-14

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:16:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 10/6/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.108	5.853	138.7E6	108.9E6	37.173	31.020
22) S DCBP (S)	9.287	10.370	101.3E6	85207534	33.215	39.864
Target Compounds						
2) a-BHC	5.641	6.454	208.4E6	195.2E6	42.329	41.536
3) g-BHC	5.921	6.770	190.4E6	179.1E6	43.043	43.122
4) b-BHC	6.000	6.836	76210124	66531768	38.385	35.291
5) Heptachlor	6.331	7.138	187.8E6	187.1E6	44.348	45.888
6) d-BHC	6.146	7.088	172.6E6	150.0E6	41.851	37.454
7) Aldrin	6.569	7.401	188.7E6	174.9E6	43.240	44.805
8) Heptachlo...	7.025	7.838	171.6E6	157.8E6	42.364	43.109
9) trans-Chl...	7.122	7.977	170.2E6	162.7E6	41.137	43.921
10) cis-Chlor...	7.219	8.085	164.5E6	152.5E6	40.102	42.993
11) Endosulfa...	7.309	8.133	161.5E6	144.2E6	42.808	43.547
12) 4,4'-DDE	7.289	8.196	158.3E6	134.8E6	38.713	36.870
13) Dieldrin	7.481	8.333	176.3E6	160.4E6	41.679	43.626
14) Endrin	7.642	8.559	136.4E6	119.7E6	45.117	45.934
15) 4,4'-DDD	7.704	8.610	122.2E6	101.0E6	36.594	33.432
16) Endosulfa...	7.797	8.707	130.1E6	115.4E6	40.247	39.348
17) 4,4'-DDT	7.901	8.834	131.3E6	110.4E6	42.483	39.496
18) Endrin Al...	8.084	8.943	112.3E6	102.6E6	34.107	36.051
19) Endosulfa...	8.381	9.133	125.1E6	112.0E6	43.195	43.882
20) Methoxychlor	8.245	9.315	59723230	48322040	39.408	32.589
21) Endrin Ke...	8.572	9.530	144.7E6	124.8E6	62.581	66.540
23) Hexachlor...	2.899	3.575f	10912	14086	BelowCal	BelowCal
24) Hexachlor...	5.488	6.345f	287257	44509	BelowCal	BelowCal
25) Oxychlorane	6.964	7.778	834081	28515	0.060	BelowCal #
26) 2,4'-DDE	7.025	7.977	171.6E6	162.7E6	65.800	67.551
27) trans-Non...	7.219	8.040	164.5E6	571747	43.525	BelowCal #
28) 2,4'-DDD	7.399	8.333	474675	160.4E6	0.017	74.913 #
29) 2,4'-DDT	7.586	8.559	593803	119.7E6	0.073	54.901 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 14:39
 Operator : MJB
 Sample : 0J06051-CCV3
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:16:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

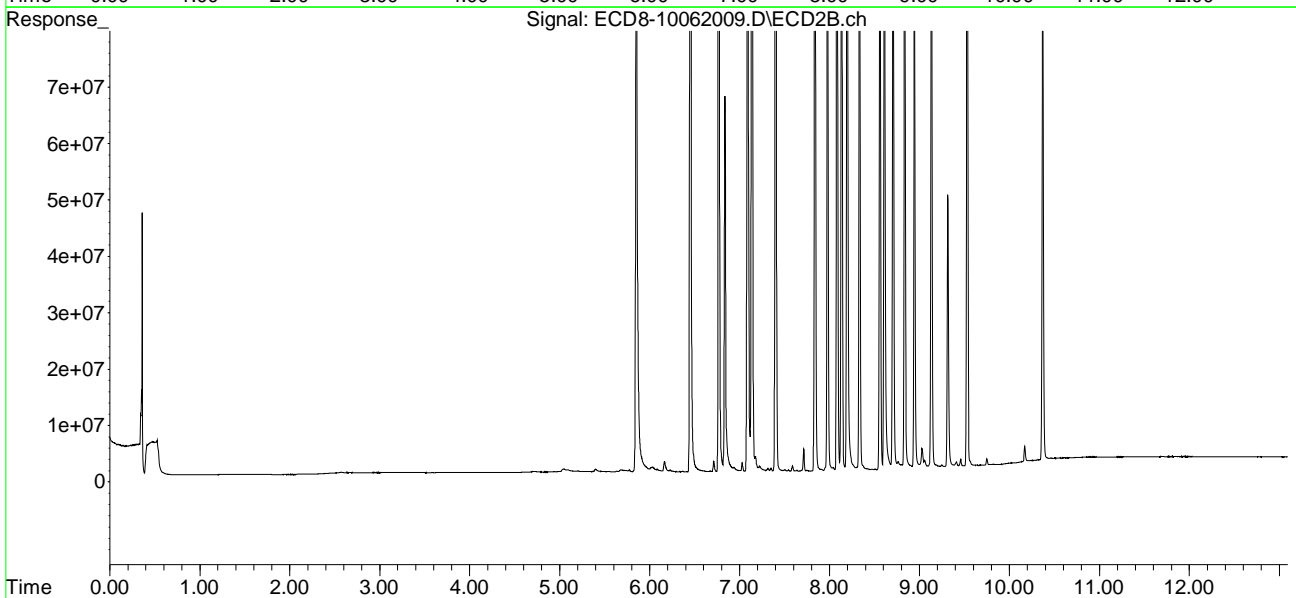
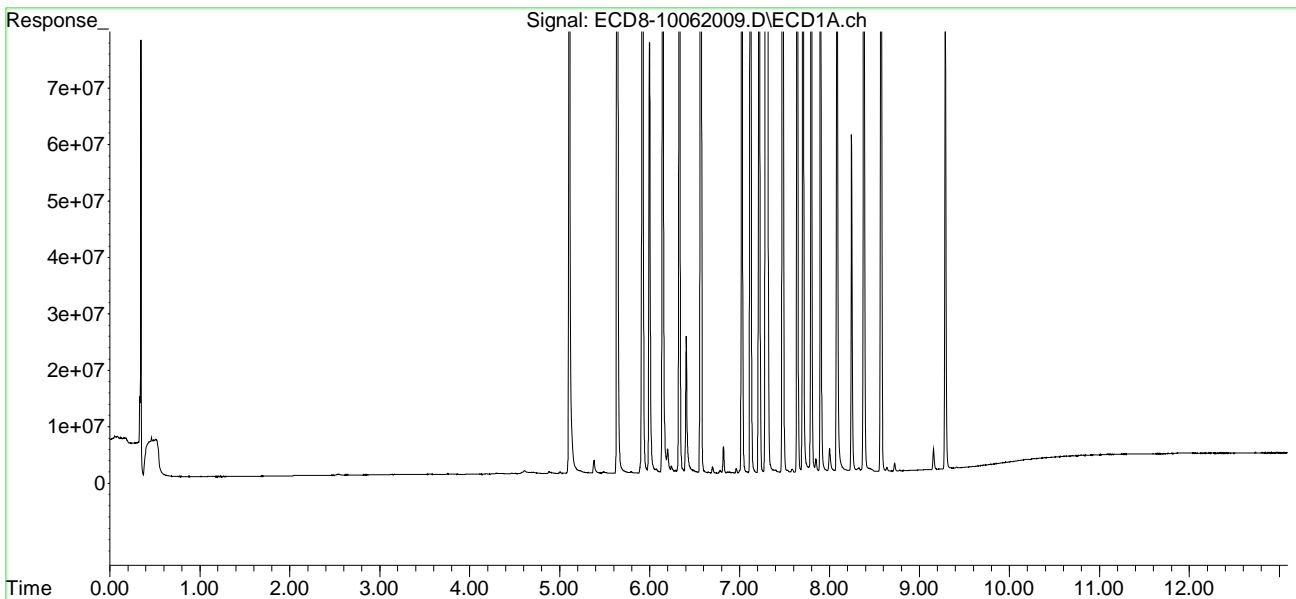
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.704f	8.610	122.2E6	101.0E6	29.800	27.690
31)	Mirex	8.329	9.530	693303	124.8E6	14904.188	56.205 #
32)	Chlordane...	7.399f	8.196f	474675	134.8E6	1.049	305.031 #
33)	Chlordane...	7.530	8.333	380645	160.4E6	0.692	431.047 #
34)	Chlordane...	8.084	9.028f	112.3E6	3571678	774.317	23.799 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.309	8.432	161.5E6	175696	9389.266	5.811 #
37)	Toxaphene...	7.586f	8.762	593803	1310359	15.170	33.345 #
38)	Toxaphene...	7.901	8.802	131.3E6	742084	1742.146	11.735 #
39)	Toxaphene...	0.000	8.834f	0	110.4E6	N.D.	1074.994 #
40)	Toxaphene...	8.381	9.058	125.1E6	1372042	2240.015	24.166 #
41)	Toxaphene...	8.457	9.410	506593	900233	6.590	13.904 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 14:39
Operator : MJB
Sample : 0J06051-CCV3
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 17:16:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 14:55
 Operator : MJB
 Sample : 0J06051-CCV4
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Q-14

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:17:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.084f	5.871	1304635	75775	0.350	0.022 #
22) S DCBP (S)	9.292	10.363	92863	1571099	BelowCal	0.518
Target Compounds						
2) a-BHC	5.663f	0.000	372693	0	0.076	N.D. #
3) g-BHC	5.902	6.772	140090	81268	0.032	0.020 #
4) b-BHC	6.011	6.846	88153	73145	0.044	0.039
5) Heptachlor	6.332	7.137	505936	433850	0.119	0.080 #
6) d-BHC	6.151	7.093	64420	67251	0.016	0.050 #
7) Aldrin	6.568	7.401	46368	25852	0.011	BelowCal #
8) Heptachlo...	7.039	7.838	125.5E6	325551	30.997	0.089 #
9) trans-Chl...	7.120	7.974	627417	108.3E6	0.152	29.237 #
10) cis-Chlor...	7.213	8.084	203.0E6	1541963	49.490	0.435 #
11) Endosulfa...	7.319	8.148	374580	243336	0.099	0.073 #
12) 4,4'-DDE	7.294	8.196	218472	183516	0.053	0.072 #
13) Dieldrin	7.474	8.345	1245810	93200461	0.295	25.342 #
14) Endrin	7.678f	8.569	207.4E6	118.3E6	68.578	45.427 #
15) 4,4'-DDD	7.678f	8.604	207.4E6	199.1E6	62.083	62.904
16) Endosulfa...	7.798	0.000	89485	0	0.028	N.D. #
17) 4,4'-DDT	7.904	8.834	97159	260999	0.031	0.086 #
18) Endrin Al...	8.088	8.946	265901	410287	0.081	0.144 #
19) Endosulfa...	8.378	9.134	634191	181719	0.219	0.029 #
20) Methoxychlor	8.249	9.319	12771	310565	0.008	0.209 #
21) Endrin Ke...	8.552	9.519	12206	112.7E6	0.005	60.758 #
23) Hexachlor...	2.892	3.555	168.9E6	210.4E6	48.478	53.862
24) Hexachlor...	5.487	6.317	159.8E6	119.6E6	44.420	34.736
25) Oxychlorane	6.956	7.768	169.4E6	162.6E6	49.423	53.241
26) 2,4'-DDE	7.039	7.974	125.5E6	108.3E6	48.325	46.140
27) trans-Non...	7.213	8.041	203.0E6	180.7E6	53.742	53.236
28) 2,4'-DDD	7.407	8.345	110.4E6	93200461	48.842	45.082
29) 2,4'-DDT	7.589	8.569	135.1E6	118.3E6	56.997	54.293

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 14:55
 Operator : MJB
 Sample : 0J06051-CCV4
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:17:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

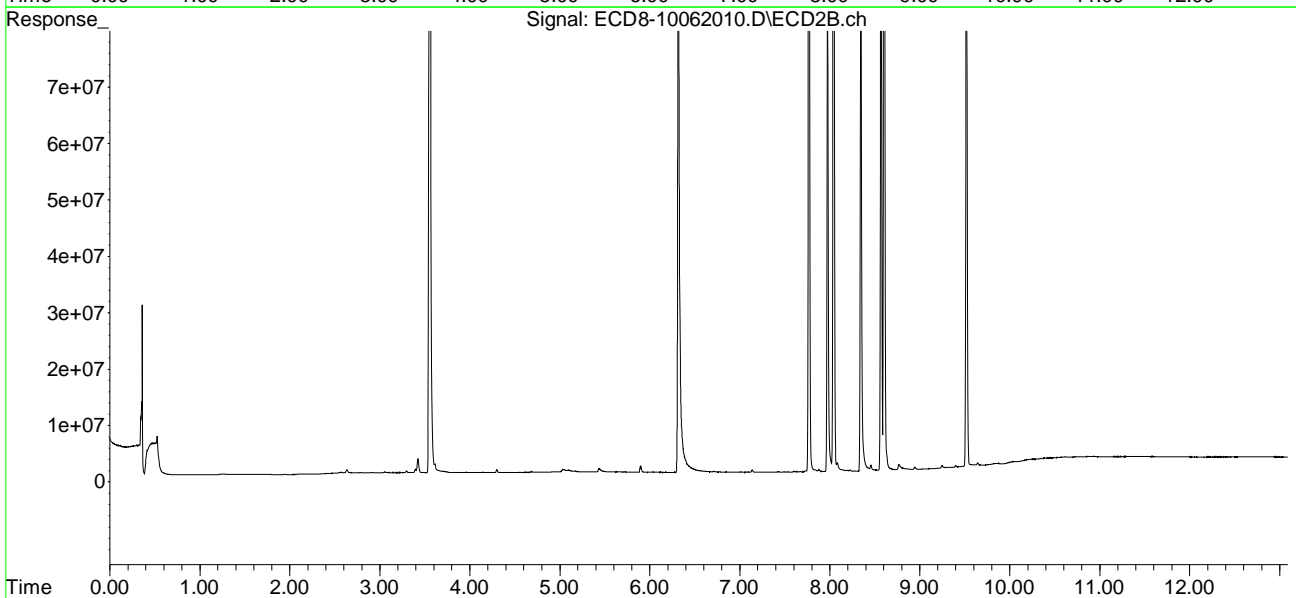
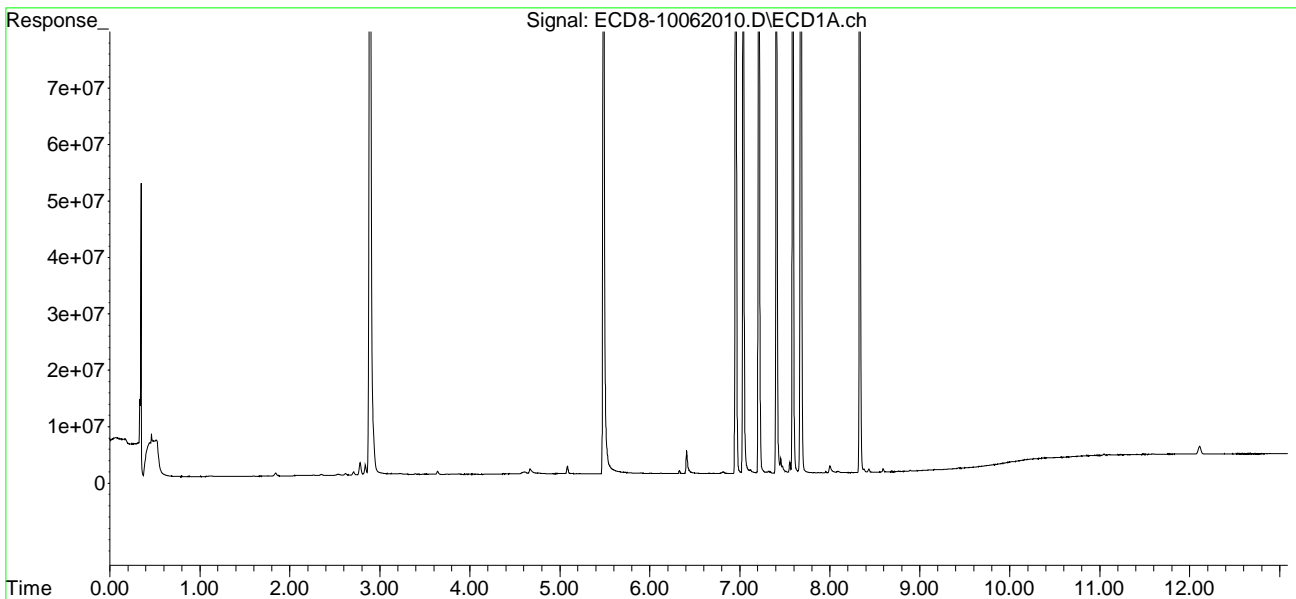
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.678	8.604	207.4E6	199.1E6	50.524	53.213
31)	Mirex	8.334	9.519	126.0E6	112.7E6	48.062	50.941
32)	Chlordane...	7.455f	8.225	2679098	241516	5.922	0.547 #
33)	Chlordane...	7.510	8.345	334161	93200461	0.607	250.385 #
34)	Chlordane...	8.088	8.992	265901	114921	1.833	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.319	8.456f	374580	997744	21.775	32.997 #
37)	Toxaphene...	7.589	8.768	135.1E6	973860	4303.189	24.782 #
38)	Toxaphene...	7.904	8.813	97159	350568	1.289	5.544 #
39)	Toxaphene...	8.158	8.867	33549	177105	BelowCal	BelowCal
40)	Toxaphene...	8.378	9.056	634191	133929	11.355	2.359 #
41)	Toxaphene...	8.434	9.419	618014	361602	8.039	5.585 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 14:55
Operator : MJB
Sample : 0J06051-CCV4
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 17:17:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0J06051 BKD3
Data File: ECD8-10062014.D

MJB 10/6/20

First Column Area Counts		Percent Breakdown	
DDE	15392256		
DDD	56241902		
DDT	3192761277	2.19	PASS
Endrin	1715450044	9.39	PASS
Endrin Aldehyde	100861419		
Endrin Ketone	77002735		

Second Column Area Counts		Percent Breakdown	
DDE	20798798		
DDD	75103318		
DDT	2923591096	3.18	PASS
Endrin	1530333410	8.11	PASS
Endrin Aldehyde	73996558		
Endrin Ketone	61094183		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 16:02
 Operator : MJB
 Sample : 0J06051-BKD3
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 16:18:19 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTF.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.292	15392256	NoCal	ng/mL
2) Endrin	7.641	1715450044	NoCal	ng/mL
3) 4,4'-DDD	7.707	56241902	NoCal	ng/mL
4) 4,4'-DDT	7.901	3192761277	NoCal	ng/mL
5) Endrin Aldehyde	8.084	100861419	NoCal	ng/mL
6) Endrin Ketone	8.571	77002735	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.203	20798798	NoCal	ng/mL
9) Endrin [2C]	8.559	1530333410	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.613	75103318	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.944	73996558	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.835	2923591096	NoCal	ng/mL
13) Endrin Ketone [2C]	9.530	61094183	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

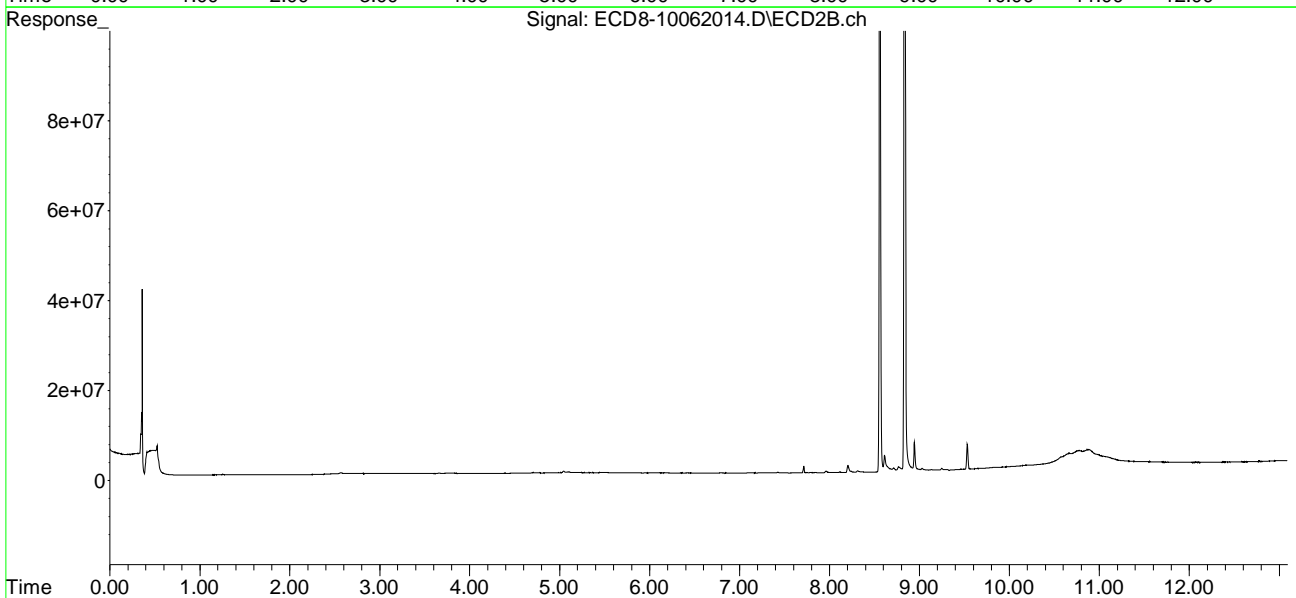
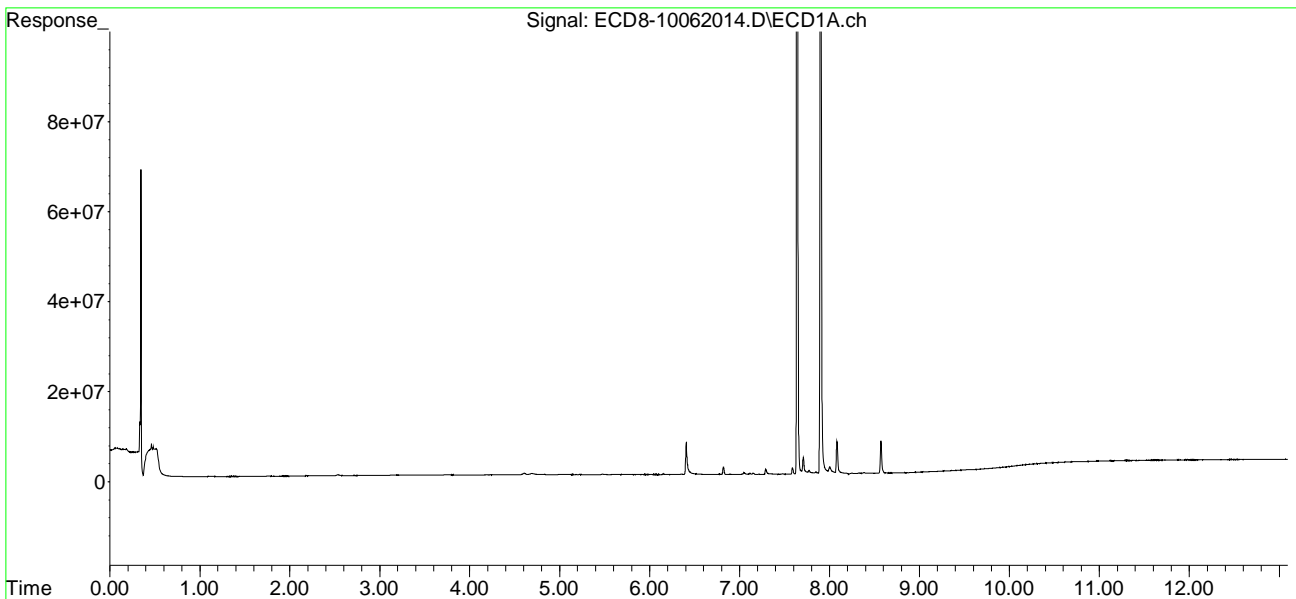
(m)=manual int.

Ran two conditioning runs.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 16:02
Operator : MJB
Sample : 0J06051-BKD3
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 16:18:19 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTF.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 16:19
 Operator : MJB
 Sample : 0J06051-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:20:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.109	5.852	159.5E6	124.3E6	42.744	35.405 Q-31
22) S DCBP (S)	9.287	10.370	130.0E6	102.4E6	42.647	47.607
Target Compounds						
2) a-BHC	5.641	6.453	242.1E6	234.5E6	49.168	49.330
3) g-BHC	5.921	6.769	222.6E6	201.4E6	50.334	48.106
4) b-BHC	6.000	6.836	86813831	75650049	43.726	40.128
5) Heptachlor	6.330	7.137	230.1E6	221.6E6	54.360	53.734
6) d-BHC	6.146	7.088	203.7E6	182.9E6	49.387	45.152
7) Aldrin	6.568	7.401	224.4E6	208.9E6	51.431	52.894
8) Heptachlo...	7.025	7.838	198.6E6	190.4E6	49.038	52.005
9) trans-Chl...	7.122	7.977	207.1E6	186.9E6	50.056	50.428
10) cis-Chlor...	7.217	8.085	196.4E6	180.5E6	47.900	50.886
11) Endosulfa...	7.309	8.133	196.1E6	177.2E6	51.979	53.489
12) 4,4'-DDE	7.289	8.196	192.2E6	162.1E6	47.026	43.828
13) Dieldrin	7.480	8.333	207.0E6	194.4E6	48.945	52.846
14) Endrin	7.641	8.559	179.1E6	159.0E6	59.234	59.712
15) 4,4'-DDD	7.704	8.611	155.6E6	125.7E6	46.578	41.095
16) Endosulfa...	7.796	8.707	160.8E6	145.4E6	49.736	49.571
17) 4,4'-DDT	7.901	8.834	166.4E6	144.5E6	53.857	50.541
18) Endrin Al...	8.083	8.943	135.6E6	131.6E6	41.195	46.229
19) Endosulfa...	8.381	9.133	155.8E6	140.0E6	53.796	53.999
20) Methoxychlor	8.245	9.316	81548512	65035764	53.809	43.860
21) Endrin Ke...	8.572	9.530	188.8E6	159.8E6	81.675	82.665
23) Hexachlor...	0.000	3.583f	0	23314	N.D.	BelowCal
24) Hexachlor...	5.490	6.347f	407073	52662	BelowCal	BelowCal
25) Oxychlorane	6.962	7.776	970098	11815	0.099	BelowCal #
26) 2,4'-DDE	7.025	7.977	198.6E6	186.9E6	75.985	76.707
27) trans-Non...	7.217	8.040	196.4E6	698100	52.013	BelowCal #
28) 2,4'-DDD	0.000	8.333	0	194.4E6	N.D.	89.221 #
29) 2,4'-DDT	7.589	8.559	653034	159.0E6	0.099	71.424 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 16:19
 Operator : MJB
 Sample : 0J06051-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:20:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

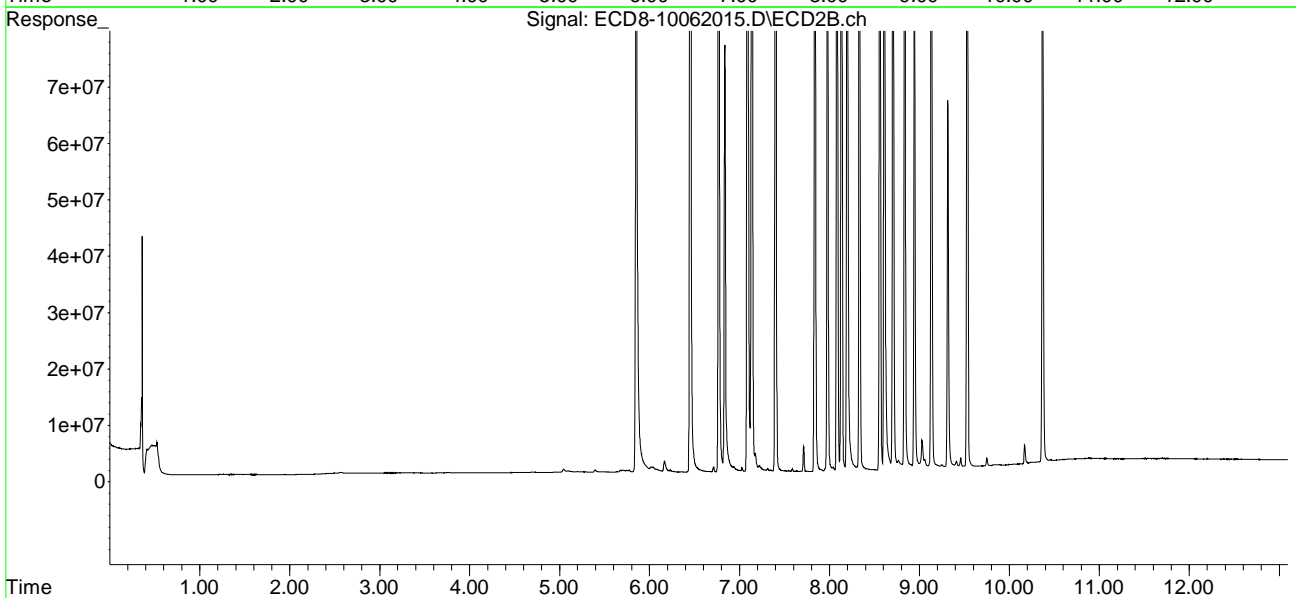
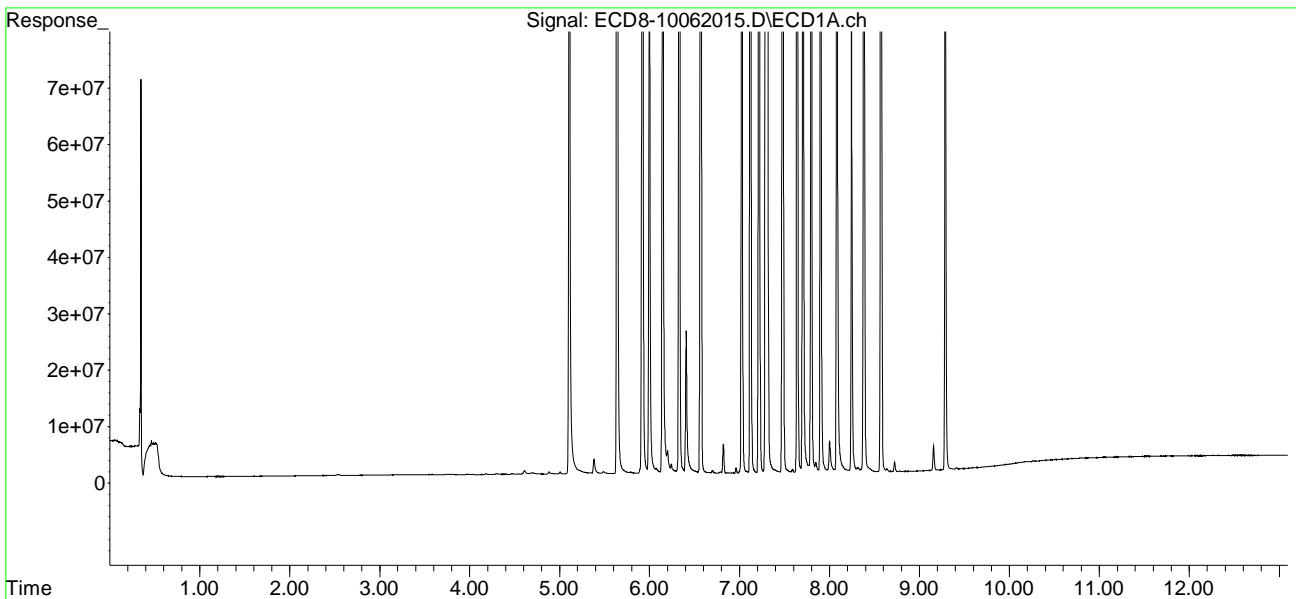
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.704f	8.611	155.6E6	125.7E6	37.933	34.247
31)	Mirex	8.310f	9.530	825193	159.8E6	0.029	71.196 #
32)	Chlordane...	0.000	8.196f	0	162.1E6	N.D.	366.844 #
33)	Chlordane...	0.000	8.333	0	194.4E6	N.D.	522.144 #
34)	Chlordane...	8.083	9.028f	135.6E6	5055506	935.249	37.717 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.309	8.431	196.1E6	235064	11400.796	7.774 #
37)	Toxaphene...	7.589	8.764	653034	1598275	16.994	40.672 #
38)	Toxaphene...	7.901	8.804	166.4E6	915184	2208.573	14.472 #
39)	Toxaphene...	0.000	8.897f	0	813583	N.D.	1.800 #
40)	Toxaphene...	8.381	9.058	155.8E6	1581346	2789.775	27.853 #
41)	Toxaphene...	0.000	9.410	0	1016662	N.D.	15.702 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 16:19
Operator : MJB
Sample : 0J06051-CCV5
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 17:20:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 16:35
 Operator : MJB
 Sample : 0J06051-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:22:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.084f	5.869	1274128	79830	0.341	0.023 #
22) S DCBP (S)	9.289	10.390f	62792	715059	BelowCal	0.100
Target Compounds						
2) a-BHC	5.637	0.000	538391	0	0.109	N.D. #
3) g-BHC	5.903	6.776	186669	113456	0.042	0.028 #
4) b-BHC	6.009	6.847	109053	112620	0.055	0.060
5) Heptachlor	6.330	7.138	524588	467000	0.124	0.089 #
6) d-BHC	6.154	7.096	174491	109703	0.042	0.061 #
7) Aldrin	6.565	7.402	58963	37098	0.014	0.001 #
8) Heptachlo...	7.039	7.878f	121.1E6	390851	29.901	0.107 #
9) trans-Chl...	7.119	7.974	713287	102.9E6	0.172	27.777 #
10) cis-Chlor...	7.212	8.084	198.0E6	1644796	48.282	0.464 #
11) Endosulfa...	7.318	8.149	350663	278454	0.093	0.084
12) 4,4'-DDE	7.295	8.196	268530	160388	0.066	0.065
13) Dieldrin	7.473	8.346	1327378	85535994	0.314	23.258 #
14) Endrin	7.676f	8.568	209.2E6	109.0E6	69.180	42.096 #
15) 4,4'-DDD	7.676f	8.605	209.2E6	187.8E6	62.628	59.649
16) Endosulfa...	7.798	0.000	135436	0	0.042	N.D. #
17) 4,4'-DDT	7.902	8.836	104151	207402	0.034	0.065 #
18) Endrin Al...	8.084	8.946	553124	562279	0.168	0.198
19) Endosulfa...	8.379	9.135	721443	112645	0.249	BelowCal #
20) Methoxychlor	8.251	9.334	16693	38491	0.011	0.026 #
21) Endrin Ke...	8.572	9.519	97685	108.8E6	0.042	58.860 #
23) Hexachlor...	2.893	3.556	168.7E6	206.9E6	48.398	53.007
24) Hexachlor...	5.487	6.319	144.0E6	109.1E6	40.041	31.785
25) Oxychlorane	6.955	7.767	171.6E6	156.3E6	50.063	51.275
26) 2,4'-DDE	7.039	7.974	121.1E6	102.9E6	46.632	43.950
27) trans-Non...	7.212	8.041	198.0E6	178.5E6	52.428	52.632
28) 2,4'-DDD	7.407	8.346	105.7E6	85535994	46.796	41.545
29) 2,4'-DDT	7.588	8.568	126.9E6	109.0E6	53.583	50.299

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 16:35
 Operator : MJB
 Sample : 0J06051-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:22:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

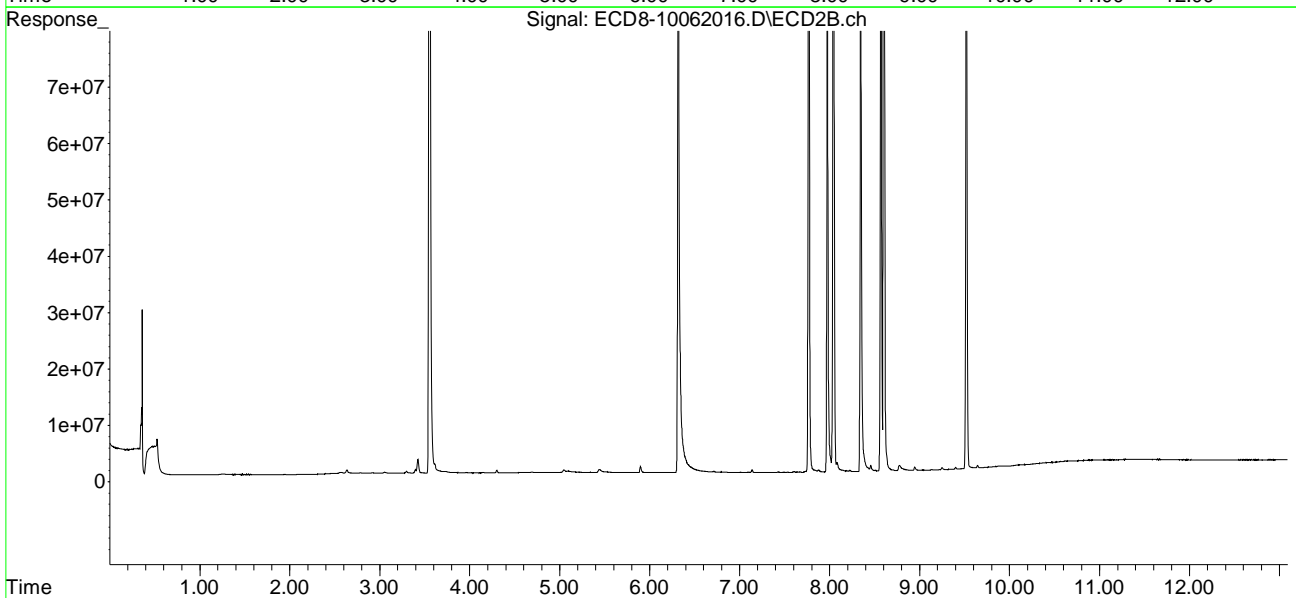
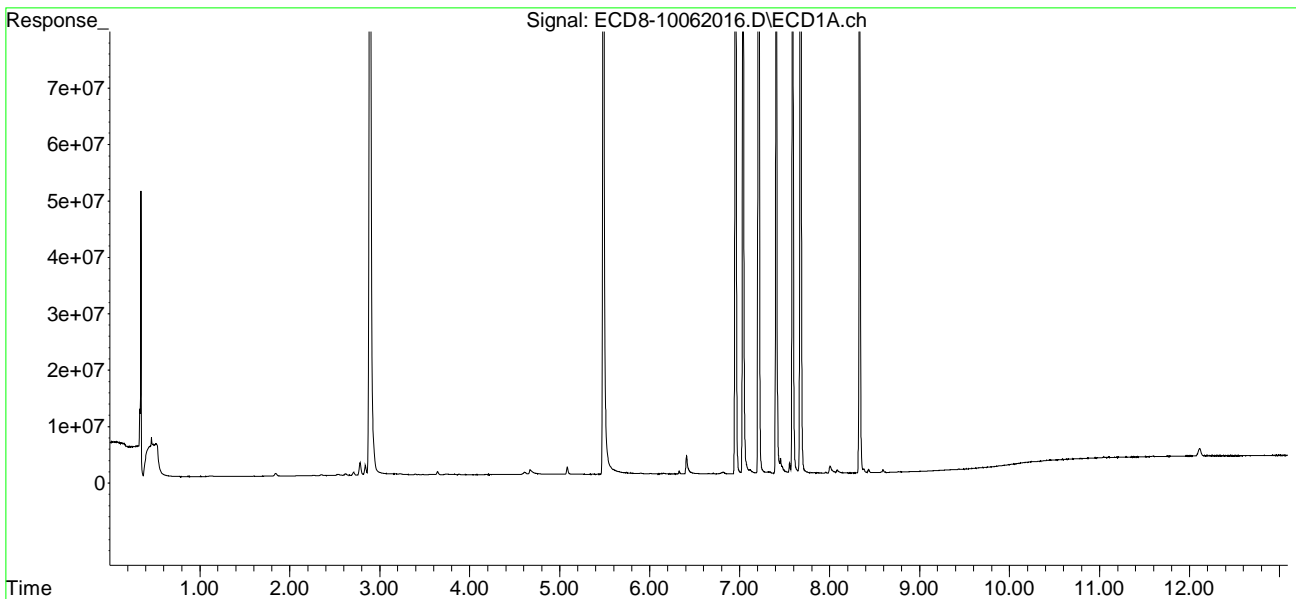
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.676	8.605	209.2E6	187.8E6	50.966	50.355
31)	Mirex	8.333	9.519	118.0E6	108.8E6	44.971	49.226
32)	Chlordane...	7.454f	8.225	2730740	225033	6.036	0.509 #
33)	Chlordane...	7.510	8.346	371818	85535994	0.676	229.794 #
34)	Chlordane...	8.084	8.991	553124	43354	3.814	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.318	8.457f	350663	1020618	20.385	33.754 #
37)	Toxaphene...	7.588	8.776	126.9E6	906084	4032.257	23.057 #
38)	Toxaphene...	7.902	8.776f	104151	906084	1.382	14.328 #
39)	Toxaphene...	8.159	8.885	44466	62352	BelowCal	BelowCal
40)	Toxaphene...	8.379	9.039	721443	53263	12.917	0.938 #
41)	Toxaphene...	8.434	9.431	633675	60087	8.243	0.928 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 16:35
Operator : MJB
Sample : 0J06051-CCV6
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 17:22:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 16:52
 Operator : MJB
 Sample : 0J06051-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:22:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.108	5.852	311.1E6	262.9E6	83.363	74.906
22) S DCBP (S)	9.287	10.371	255.2E6	197.7E6	83.760	88.858
Target Compounds						
2) a-BHC	5.666f	0.000	118974	0	0.024	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.016	6.837	50541	17078	0.025	0.009 #
5) Heptachlor	6.330	7.135	27169	30808	0.006	BelowCal #
6) d-BHC	6.152	7.097	70118	53282	0.017	0.046 #
7) Aldrin	0.000	7.400	0	27291	N.D.	BelowCal
8) Heptachlo...	7.027	7.840	13655	10006	0.003	0.003
9) trans-Chl...	7.116	7.982	263513	12481	0.064	0.003 #
10) cis-Chlor...	7.212	8.084	15758	13428	0.004	0.004
11) Endosulfa...	7.272f	8.138	36259	12394	0.010	0.004 #
12) 4,4'-DDE	7.272	8.199	36259	9249	0.009	0.021 #
13) Dieldrin	7.477	8.341	22162	19796	0.005	0.005
14) Endrin	7.647	8.569	18626	20734	0.006	BelowCal #
15) 4,4'-DDD	7.682f	8.607	9243	14075	0.003	0.012 #
16) Endosulfa...	7.798	8.712	50440	21499	0.016	0.007 #
17) 4,4'-DDT	7.904	8.851	24605	152396	0.008	0.043 #
18) Endrin Al...	8.086	8.946	385765	325879	0.117	0.114
19) Endosulfa...	8.383	9.136	120620	138395	0.042	0.010 #
20) Methoxychlor	8.239	9.311	65227	94033	0.043	0.063 #
21) Endrin Ke...	8.572	9.533	68656	225711	0.030	0.029
23) Hexachlor...	0.000	3.583f	0	63586	N.D.	BelowCal
24) Hexachlor...	5.490	6.354f	670406	66075	BelowCal	BelowCal
25) Oxychlorane	6.932f	7.755	7483	22420	104477.349	BelowCal #
26) 2,4'-DDE	7.027	7.982	13655	12481	BelowCal	BelowCal
27) trans-Non...	7.212	8.042	15758	14956	BelowCal	BelowCal
28) 2,4'-DDD	7.373f	8.349	12524	17658	BelowCal	BelowCal
29) 2,4'-DDT	7.566f	8.569	15185	20734	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 16:52
 Operator : MJB
 Sample : 0J06051-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 17:22:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

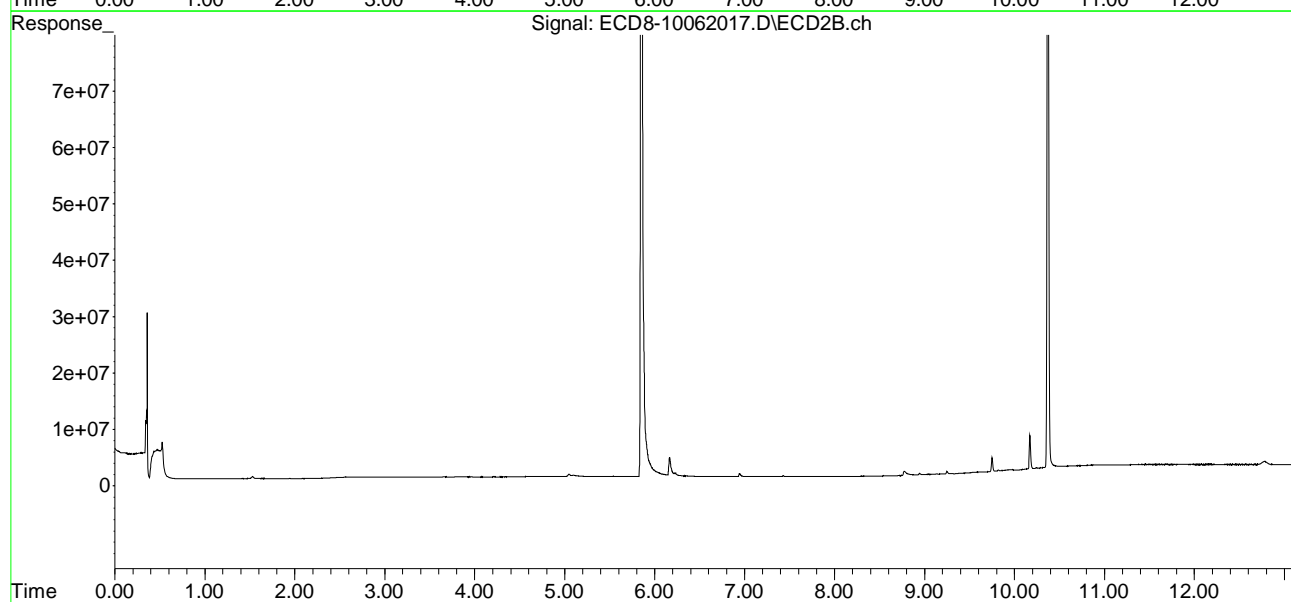
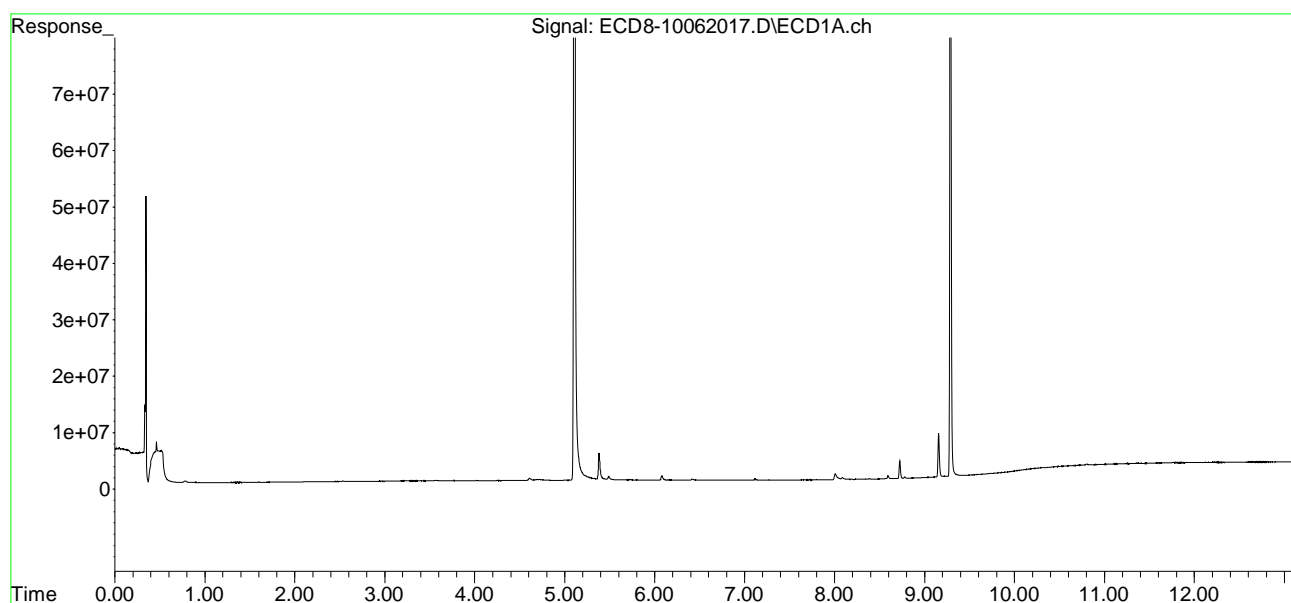
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.677	8.607	11171	14075	BelowCal	BelowCal
31)	Mirex	8.346	9.533	62547	225711	14904.430	BelowCal #
32)	Chlordane...	0.000	8.239	0	6920	N.D.	0.016 #
33)	Chlordane...	7.531	8.341	12643	19796	0.023	0.053 #
34)	Chlordane...	8.086	8.998	385765	82091	2.660	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.426	0	18320	N.D.	0.606 #
37)	Toxaphene...	7.647f	8.775	18626	743343	125254.876	18.916 #
38)	Toxaphene...	7.904	8.775f	24605	743343	0.327	11.755 #
39)	Toxaphene...	8.160	8.888	81950	93064	BelowCal	BelowCal
40)	Toxaphene...	8.383	9.051	120620	80242	2.160	1.413 #
41)	Toxaphene...	8.455	9.423	13468	120829	0.175	1.866 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 16:52
Operator : MJB
Sample : 0J06051-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 17:22:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:05
 Operator : MJB
 Sample : A0I0556-11RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:29:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.107	5.849	41274762	42295762	11.058	12.049
22) S DCBP (S)	9.285	10.368	48751974	41843979	15.880	19.814 S-04
Target Compounds						
2) a-BHC	5.624	6.452	15614484	3030240	3.171	0.726 #
3) g-BHC	5.929	6.753	6361116	6092964	1.438	1.571
4) b-BHC	5.992	6.841	5244137	3655847	2.641	1.939 #
5) Heptachlor	6.308f	7.114f	5380021	37108638	1.271	9.573 #
6) d-BHC	6.174f	7.075	4747371	13078043	1.151	3.463 #
7) Aldrin	6.547f	7.403	45367959	27818555	10.397	7.519 #
8) Heptachlo...	7.012	7.830	25811140	6823979	6.374	1.864 #
9) trans-Chl...	7.120	7.980	8854076	12293976	2.140	3.318 #
10) cis-Chlor...	7.226	8.085	49787239	7993240	12.140	2.253 #
11) Endosulfa...	7.321	8.140	6955464	8102506	1.843	2.446 #
12) 4,4'-DDE	7.275	8.202	21874563	44571110	5.351	R-02 12.720 # P-01
13) Dieldrin	7.459f	8.315	5568149	114.6E6	1.317	31.161 #
14) Endrin	7.643	8.582f	134.8E6	18379822	44.598	7.488 #
15) 4,4'-DDD	7.695	8.604	12411029	11792286	3.716	R-02 4.106m P-01
16) Endosulfa...	7.809	8.698	17662139	25820268	5.462	8.801 #
17) 4,4'-DDT	7.897	8.837	43036890	39106014	13.928	R-02 14.729m P-01
18) Endrin Al...	8.082	8.955	32317217	42119768	9.815	14.796 #
19) Endosulfa...	8.380	9.145	98738291	31486396	34.091	12.921 #
20) Methoxychlor	8.257	9.333	38759237	33138970	25.575	22.349
21) Endrin Ke...	8.557	9.527	81876853	19757284	35.422	11.685 #
23) Hexachlor...	2.870f	3.564	459421	2066594	BelowCal	0.332
24) Hexachlor...	5.468	6.291f	9248673	9040775	2.379	2.516
25) Oxychlorane	6.993f	7.761	30820681	67391424	8.837	22.667 #
26) 2,4'-DDE	7.051	7.980	11001112	12293976	4.123m	R-02 5.345 # P-01
27) trans-Non...	7.226	8.057	49787239	23213641	13.033	7.012 #
28) 2,4'-DDD	7.407	8.366f	33589970	7187230	14.816	3.476 # R-02
29) 2,4'-DDT	7.580	8.573	14401712	10435573	6.023m	4.946m R-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:05
 Operator : MJB
 Sample : A0I0556-11RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:29:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

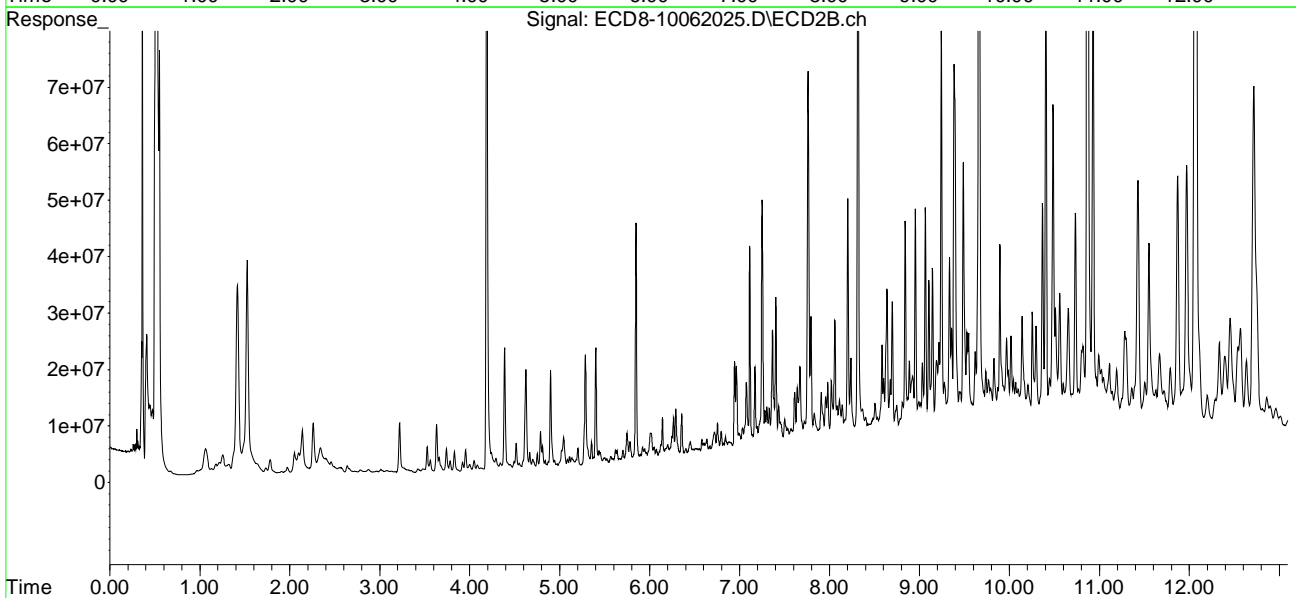
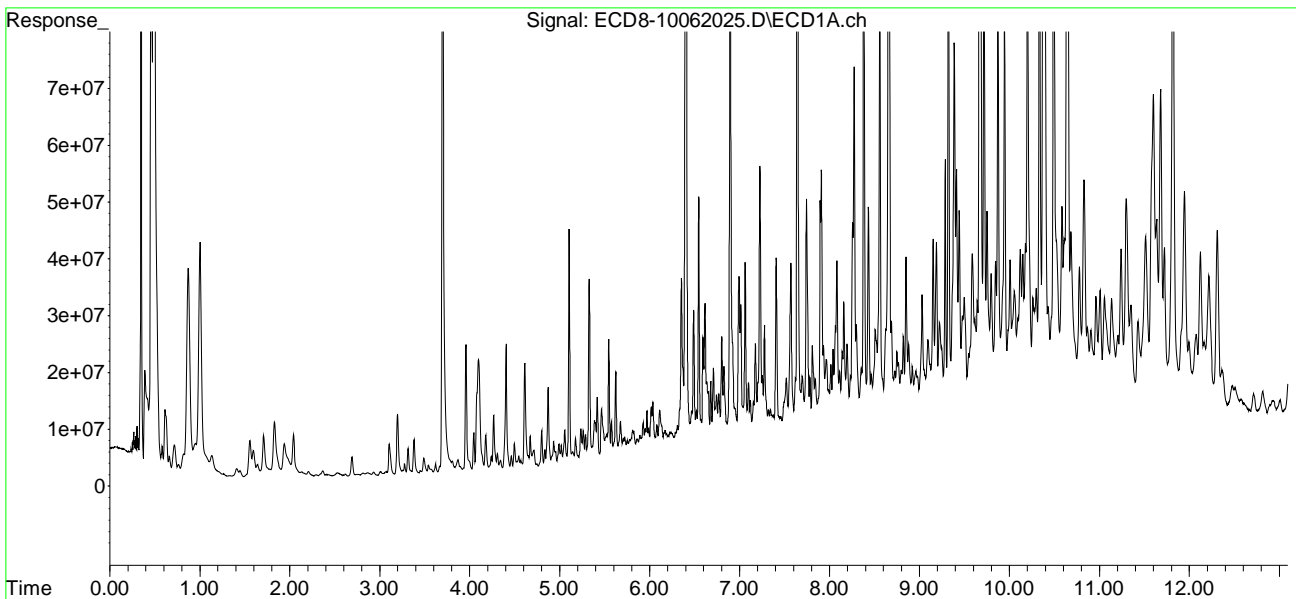
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.695	8.602	12411029	12482064	2.873	3.364
31)	Mirex	8.353	9.527	13112942	19757284	4.731	8.912 #
32)	Chlordane...	7.407f	8.236	33589970	16313877	74.250	36.925 #
33)	Chlordane...	7.518	8.315	12349618	114.6E6	22.446	307.887 #
34)	Chlordane...	8.064	8.993	20867124	7851877	143.874	63.828 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.400f	6955464	5693762	404.341	188.304 #
37)	Toxaphene...	7.643f	8.745f	134.8E6	7563083	4295.940	192.460 #
38)	Toxaphene...	7.910	8.809	48632054	7913125	645.426	125.135 #
39)	Toxaphene...	8.159	8.867	25033703	8745570	365.532	88.171 #
40)	Toxaphene...	8.380	9.065	98738291	42195863	1767.881	743.205 #
41)	Toxaphene...	8.433	9.446f	41353423	9198017	537.919	142.059 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

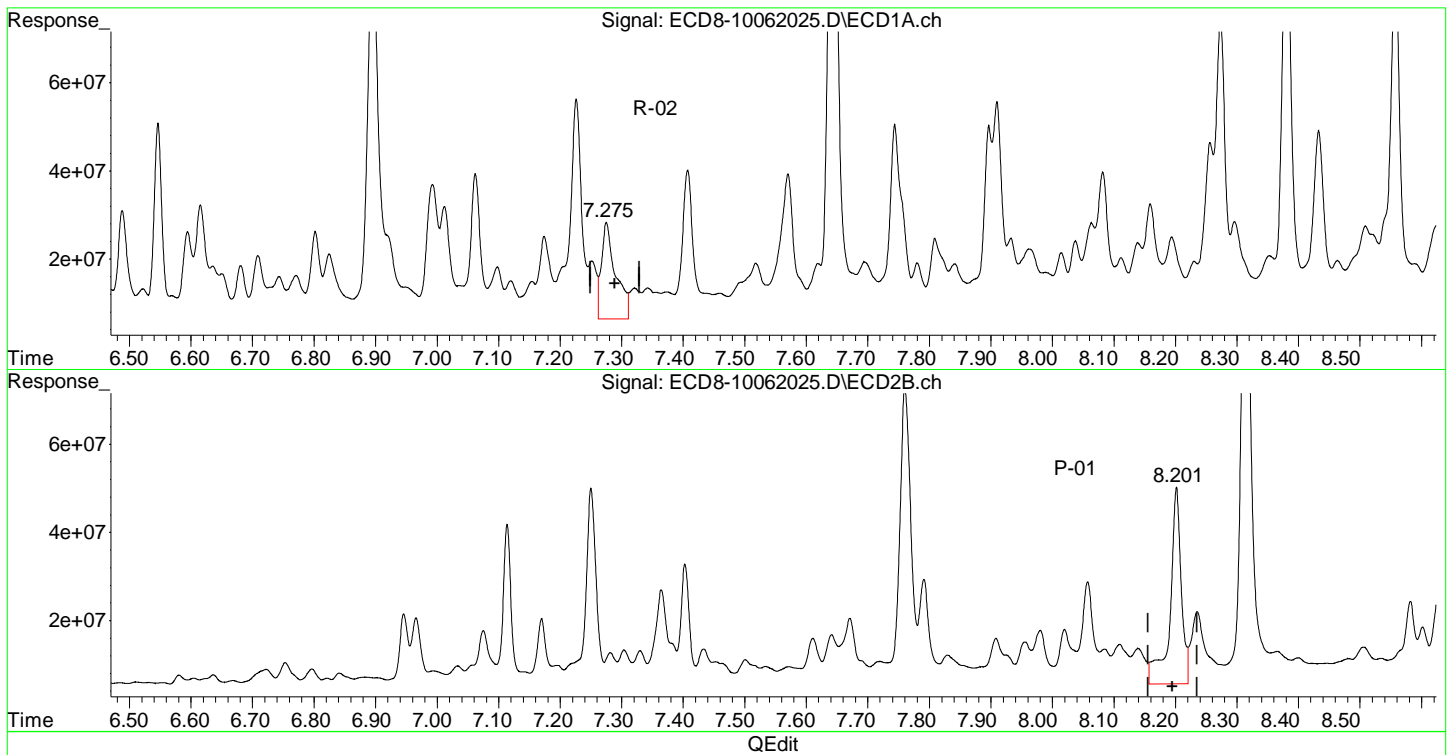
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.275min 5.351 ng/mL
response 21874563

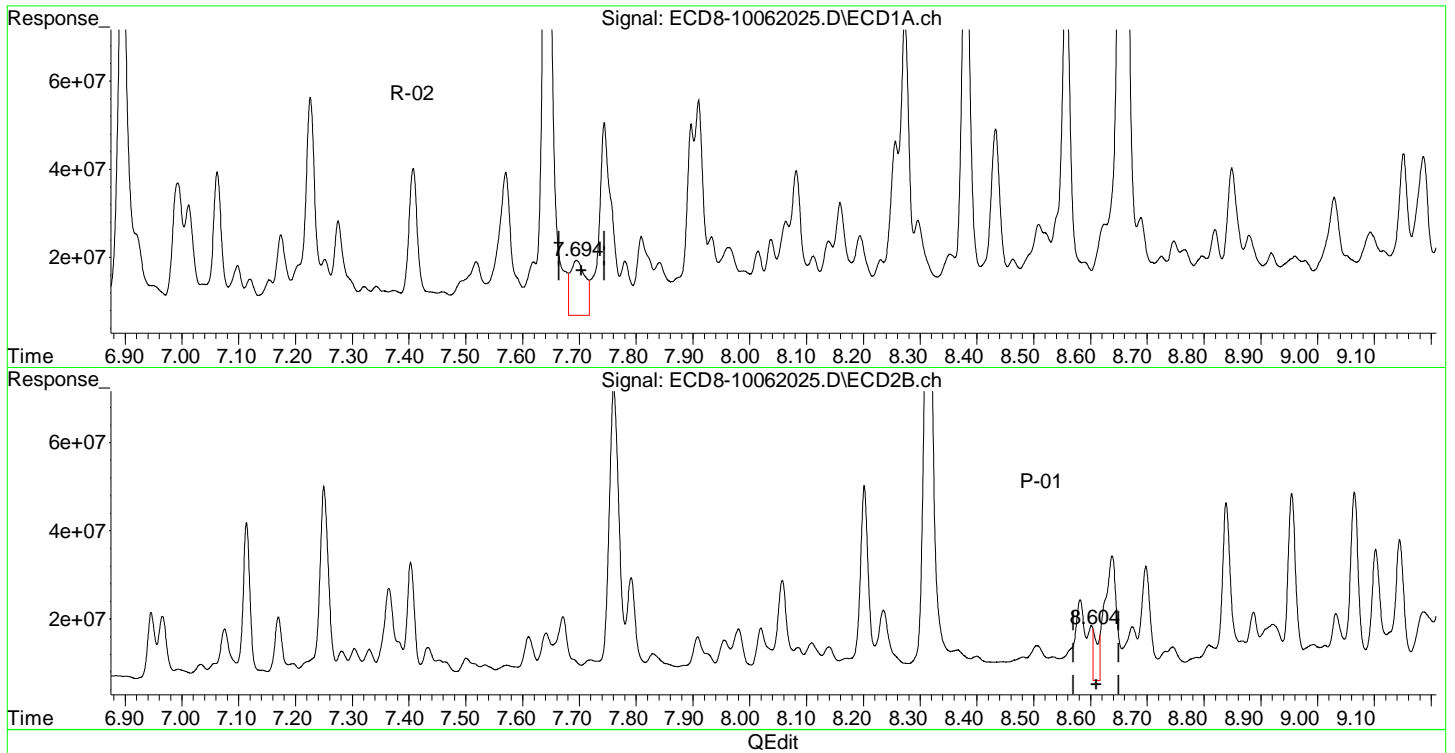
MJB 10/7/20

(12) 4,4'-DDE #2
8.202min 12.720 ng/mL
response 44571110

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.695min 3.716 ng/mL
response 12411029

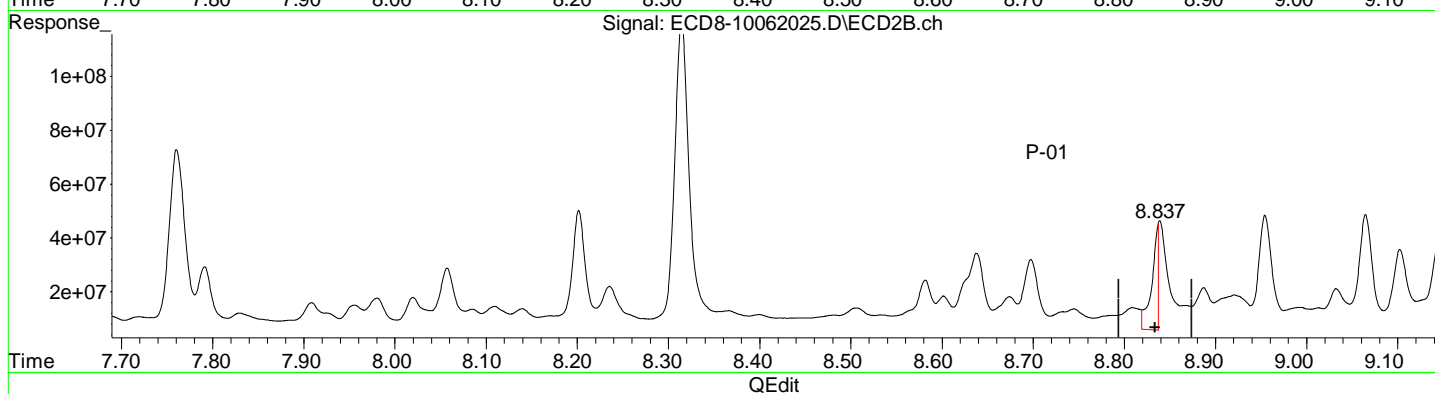
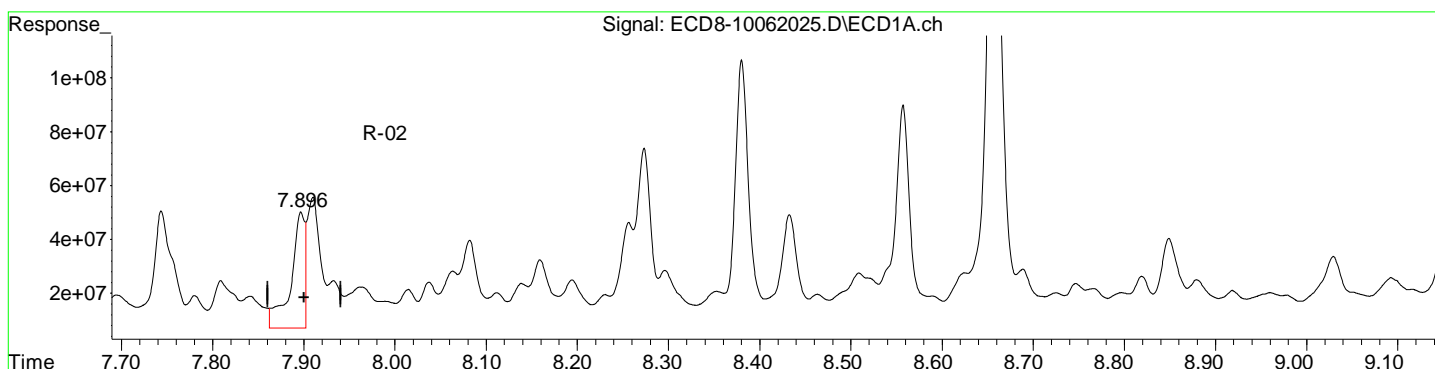
MJB 10/7/20

(15) 4,4'-DDD #2
8.604min 4.106 ng/mL m
response 11792286

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.897min 13.928 ng/mL
response 43036890

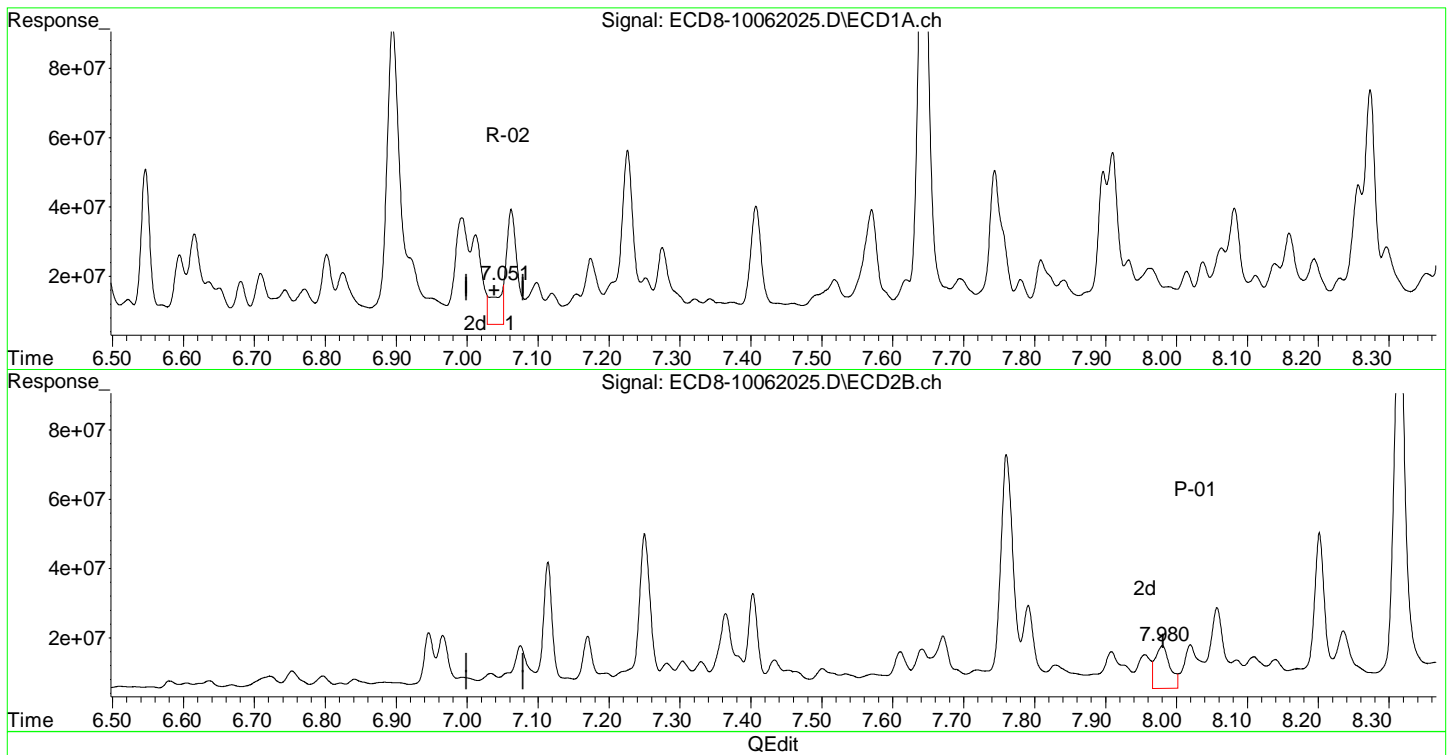
MJB 10/7/20

(17) 4,4'-DDT #2
8.837min 14.729 ng/mL m
response 39106014

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.051min 4.123 ng/mL m
response 11001112

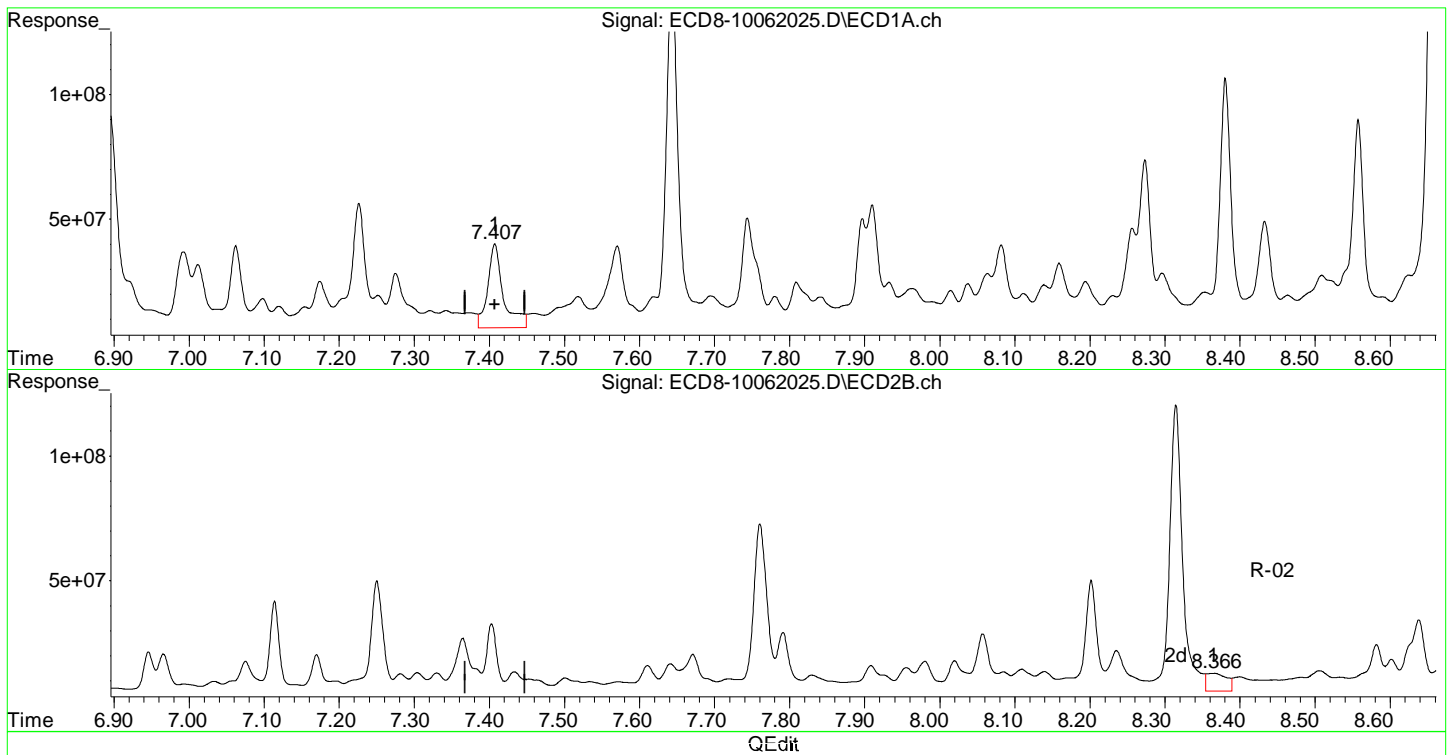
MJB 10/7/20

(26) 2,4'-DDE #2
7.980min 5.345 ng/mL
response 12293976

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.407min 14.816 ng/mL
response 33589970

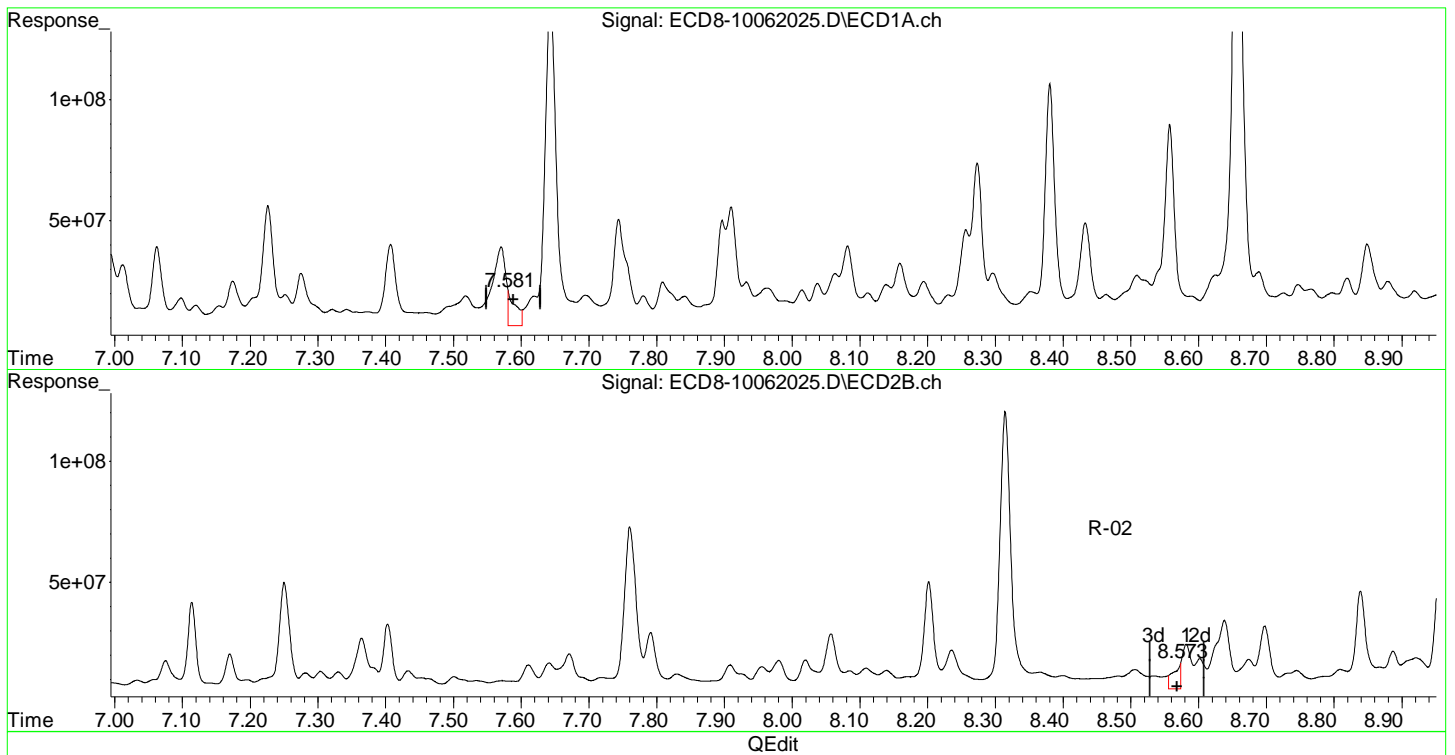
(28) 2,4'-DDD #2
8.366min 3.476 ng/mL
response 7187230

MJB 10/7/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.580min 6.023 ng/mL m
response 14401712

MJB 10/7/20

(29) 2,4'-DDT #2
8.573min 4.946 ng/mL m
response 10435573

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:05
 Operator : MJB
 Sample : A0I0556-11RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

MI

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:29:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.107	5.849	41274762	42295762	11.058	12.049
22) S DCBP (S)	9.285	10.368	48751974	41843979	15.880	19.814
Target Compounds						
2) a-BHC	5.624	6.452	15614484	3030240	3.171	0.726 #
3) g-BHC	5.929	6.753	6361116	6092964	1.438	1.571
4) b-BHC	5.992	6.841	5244137	3655847	2.641	1.939 #
5) Heptachlor	6.308f	7.114f	5380021	37108638	1.271	9.573 #
6) d-BHC	6.174f	7.075	4747371	13078043	1.151	3.463 #
7) Aldrin	6.547f	7.403	45367959	27818555	10.397	7.519 #
8) Heptachlo...	7.012	7.830	25811140	6823979	6.374	1.864 #
9) trans-Chl...	7.120	7.980	8854076	12293976	2.140	3.318 #
10) cis-Chlor...	7.226	8.085	49787239	7993240	12.140	2.253 #
11) Endosulfa...	7.321	8.140	6955464	8102506	1.843	2.446 #
12) 4,4'-DDE	7.275	8.202	21874563	44571110	5.351	12.720 #
13) Dieldrin	7.459f	8.315	5568149	114.6E6	1.317	31.161 #
14) Endrin	7.643	8.582f	134.8E6	18379822	44.598	7.488 #
15) 4,4'-DDD	7.695	8.602	12411029	12482064	3.716	4.344
16) Endosulfa...	7.809	8.698	17662139	25820268	5.462	8.801 #
17) 4,4'-DDT	7.897	8.839	43036890	40108590	13.928	15.095
18) Endrin Al...	8.082	8.955	32317217	42119768	9.815	14.796 #
19) Endosulfa...	8.380	9.145	98738291	31486396	34.091	12.921 #
20) Methoxychlor	8.257	9.333	38759237	33138970	25.575	22.349
21) Endrin Ke...	8.557	9.527	81876853	19757284	35.422	11.685 #
23) Hexachlor...	2.870f	3.564	459421	2066594	BelowCal	0.332
24) Hexachlor...	5.468	6.291f	9248673	9040775	2.379	2.516
25) Oxychlorane	6.993f	7.761	30820681	67391424	8.837	22.667 #
26) 2,4'-DDE	7.062f	7.980	33131558	12293976	12.748	5.345 #
27) trans-Non...	7.226	8.057	49787239	23213641	13.033	7.012 #
28) 2,4'-DDD	7.407	8.366f	33589970	7187230	14.816	3.476 #
29) 2,4'-DDT	7.570	8.582	32541526	18379822	13.803	8.814 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:05
 Operator : MJB
 Sample : A0I0556-11RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:29:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

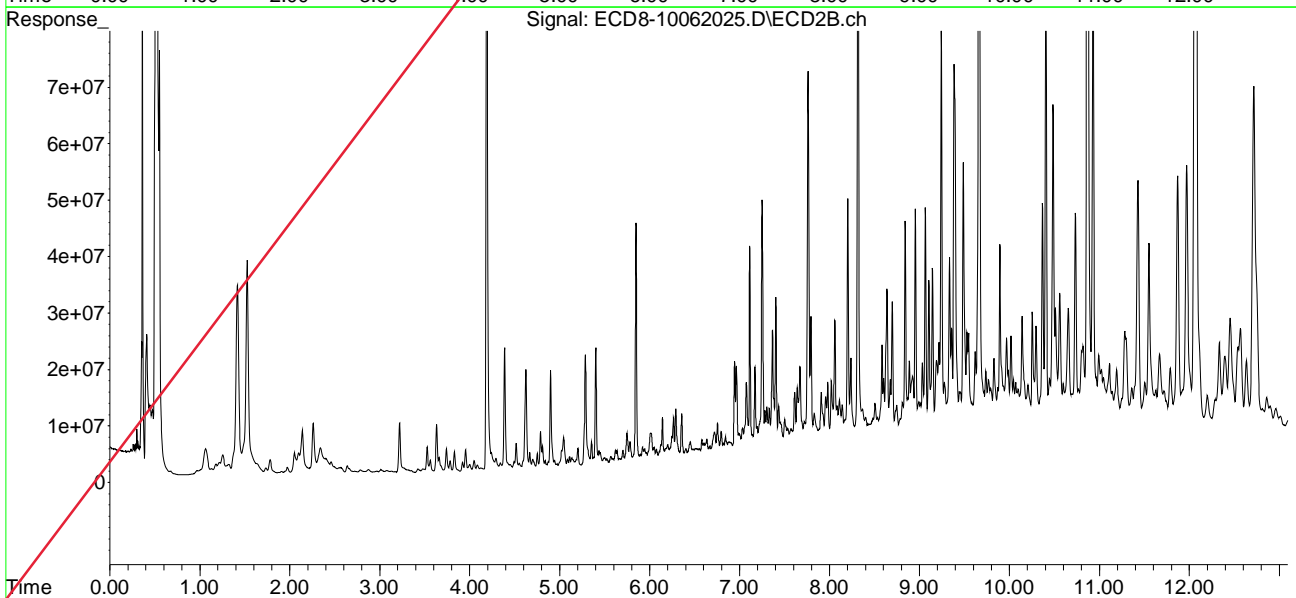
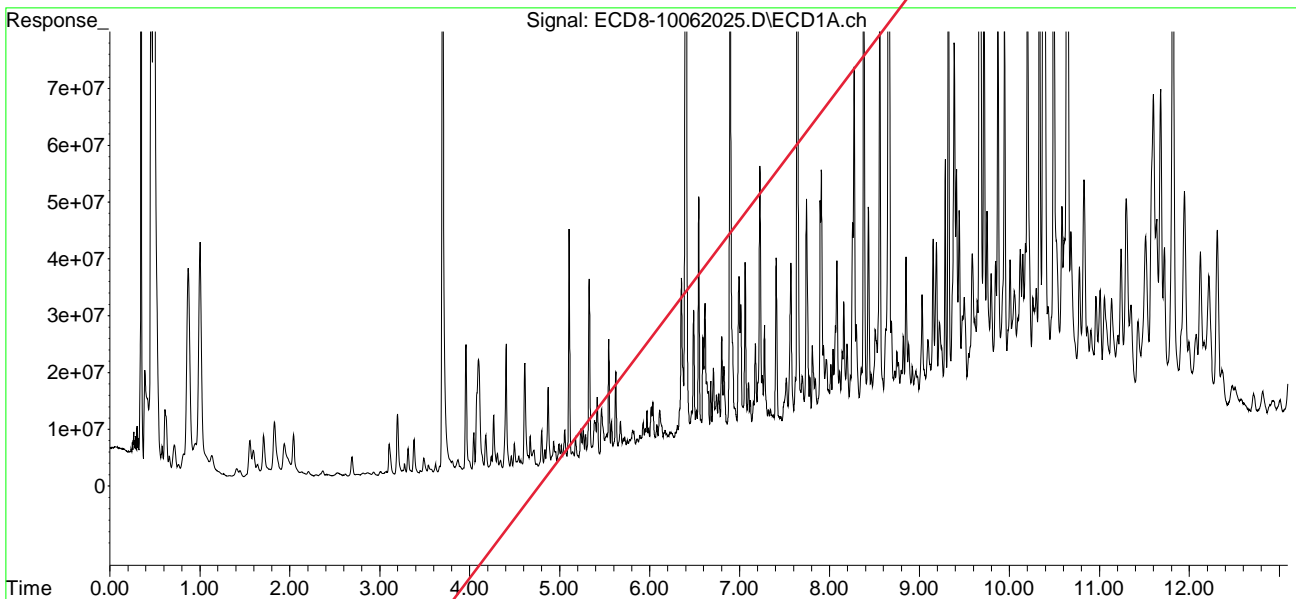
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.695	8.602	12411029	12482064	2.873	3.364
31)	Mirex	8.353	9.527	13112942	19757284	4.731	8.912 #
32)	Chlordane...	7.407f	8.236	33589970	16313877	74.250	36.925 #
33)	Chlordane...	7.518	8.315	12349618	114.6E6	22.446	307.887 #
34)	Chlordane...	8.064	8.993	20867124	7851877	143.874	63.828 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.400f	6955464	5693762	404.341	188.304 #
37)	Toxaphene...	7.643f	8.745f	134.8E6	7563083	4295.940	192.460 #
38)	Toxaphene...	7.910	8.809	48632054	7913125	645.426	125.135 #
39)	Toxaphene...	8.159	8.867	25033703	8745570	365.532	88.171 #
40)	Toxaphene...	8.380	9.065	98738291	42195863	1767.881	743.205 #
41)	Toxaphene...	8.433	9.446f	41353423	9198017	537.919	142.059 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:05
Operator : MJB
Sample : A0I0556-11RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:29:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:42
 Operator : MJB
 Sample : A0I0556-14RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

R-04

Integration File signal 1: PEST1.e MJB 10/7/20
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:38:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.106	5.849	44318928	43688747	11.874	12.446
22) S DCBP (S)	9.282	10.365	37033355	35582912	12.011	16.858 # S-04
Target Compounds						
2) a-BHC	5.619f	6.444	1390755	1222716	0.282	0.317
3) g-BHC	5.931	6.754	1897789	2129210	0.429	0.549 #
4) b-BHC	6.016	6.842	5042786	2184048	2.540	1.159 #
5) Heptachlor	6.331	7.115f	6030621	5588743	1.424	1.431
6) d-BHC	6.155	7.075	2704258	2926959	0.656	0.803
7) Aldrin	6.571	7.407	2433811	1411842	0.558	0.377 #
8) Heptachlo...	7.010	7.836	7602425	850637	1.877	0.232 #
9) trans-Chl...	7.151f	7.978	3725529	3079752	0.900	0.831
10) cis-Chlor...	7.225	8.084	11322307	2170987	2.761	0.612 #
11) Endosulfa...	7.310	8.139	560960	1157994	0.149	0.350 #
12) 4,4'-DDE	7.267f	8.202	2229956	8887106	0.545	2.596 # P-01
13) Dieldrin	7.489	8.315	1180009	24722532	0.279	6.722 #
14) Endrin	7.641	8.567	32548384	1897298	10.765	0.751 #
15) 4,4'-DDD	7.694	8.601	2949797	3057392	0.883	1.075 P-01
16) Endosulfa...	7.806	8.698	631893	7113980	0.195	2.425 #
17) 4,4'-DDT	7.908	8.840	5821117	3706534	1.884	1.423 MDL=MRL
18) Endrin Al...	8.098	8.954	1663301	3373979	0.505	1.185 #
19) Endosulfa...	8.378	9.145	120.0E6	16377513	41.437	6.766 #
20) Methoxychlor	8.252	9.331	21921403	23746416	14.465	16.015
21) Endrin Ke...	8.583	9.524	2075150	10070382	0.898	5.977 #
23) Hexachlor...	2.868f	3.564	475658	1501654	BelowCal	0.178
24) Hexachlor...	5.485	6.307	1123151	1522838	0.087	0.234 #
25) Oxychlorane	6.954	7.761	1182451	19933660	0.162	6.658 #
26) 2,4'-DDE	7.024	7.978	2535493	3079752	0.812m	1.193 # P-01
27) trans-Non...	7.225	8.033	11322307	1284811	2.785	0.150 #
28) 2,4'-DDD	7.402	8.368f	3943636	1198244	1.571	0.405 #
29) 2,4'-DDT	7.580	8.567	2486308	1897298	0.890m	0.741

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:42
 Operator : MJB
 Sample : A0I0556-14RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:38:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

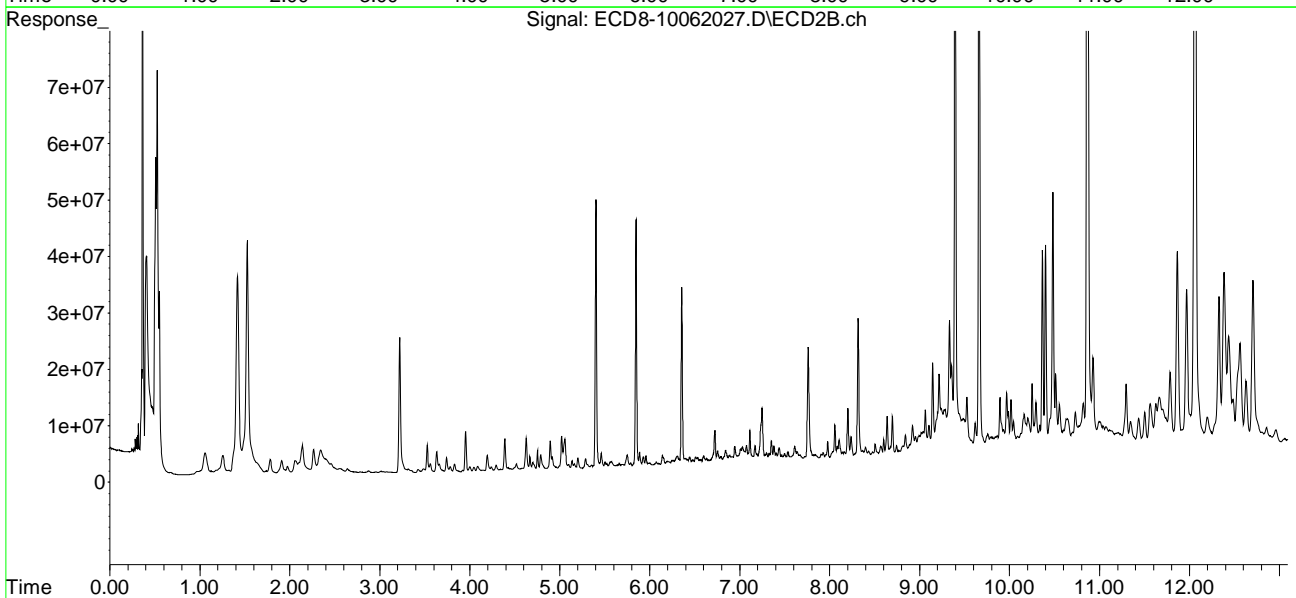
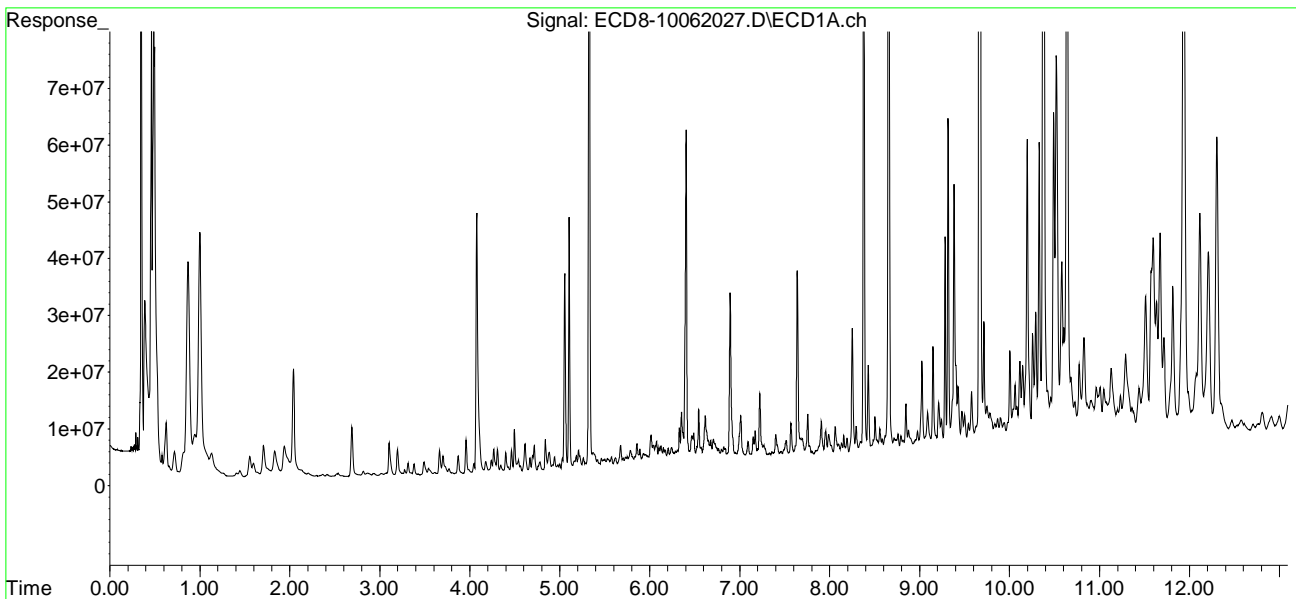
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.694	8.601	2949797	3057392	0.543	0.690 #
31)	Mirex	8.348	9.524	1831265	10070382	0.414	4.358 #
32)	Chlordane...	7.460f	8.236	917556	3808260	2.028	8.620 #
33)	Chlordane...	7.516	8.315	2740657	24722532	4.981	66.418 #
34)	Chlordane...	8.060	8.995	4712847	3544870	32.494	23.547 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.433	560960	1130558	32.610	37.390
37)	Toxaphene...	7.641f	8.768	32548384	1073951	1007.088	27.329 #
38)	Toxaphene...	7.908	8.813	5821117	1818716	77.256	28.760 #
39)	Toxaphene...	8.157	8.888	3123489	2054521	41.872	15.425 #
40)	Toxaphene...	8.378	9.040	120.0E6	4226862	2148.841	74.449 #
41)	Toxaphene...	8.429	9.396f	15282537	131.7E6	198.793	2033.416 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

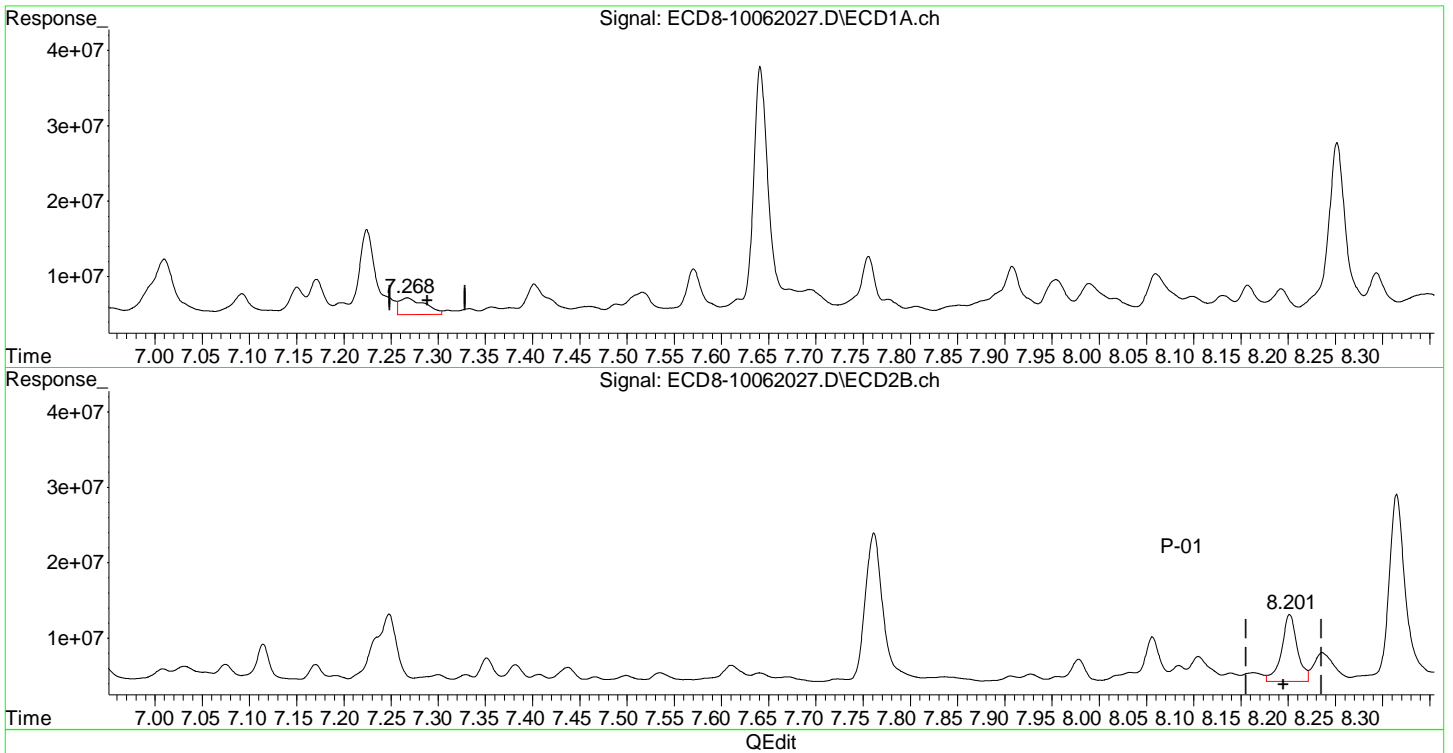
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.267min 0.545 ng/mL
response 2229956

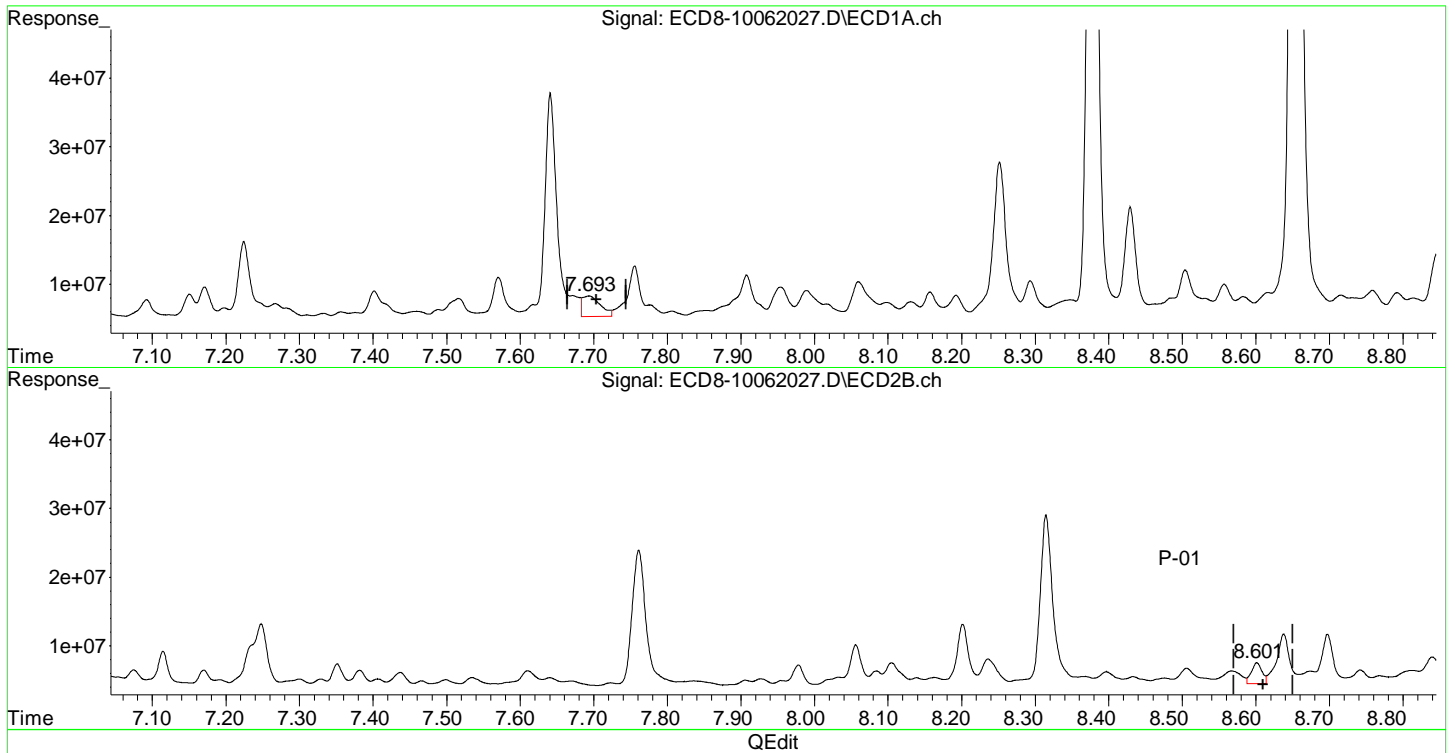
MJB 10/7/20

(12) 4,4'-DDE #2
8.202min 2.596 ng/mL
response 8887106

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.694min 0.883 ng/mL
response 2949797

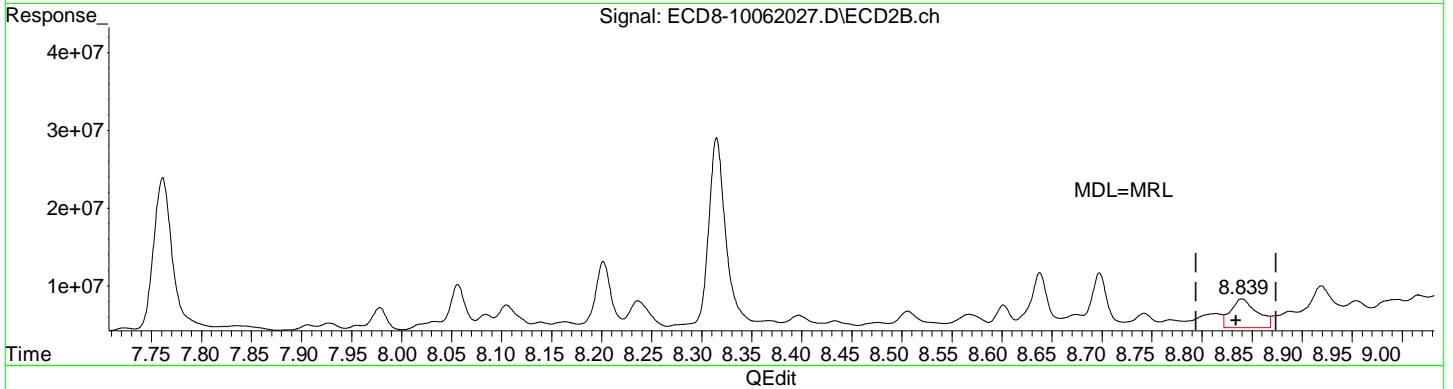
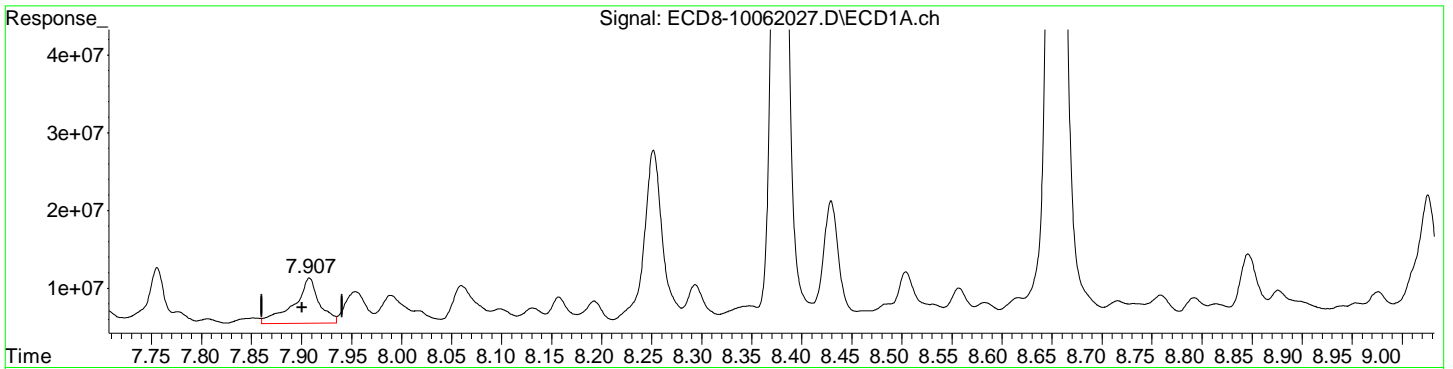
MJB 10/7/20

(15) 4,4'-DDD #2
8.601min 1.075 ng/mL
response 3057392

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.908min 1.884 ng/mL
response 5821117

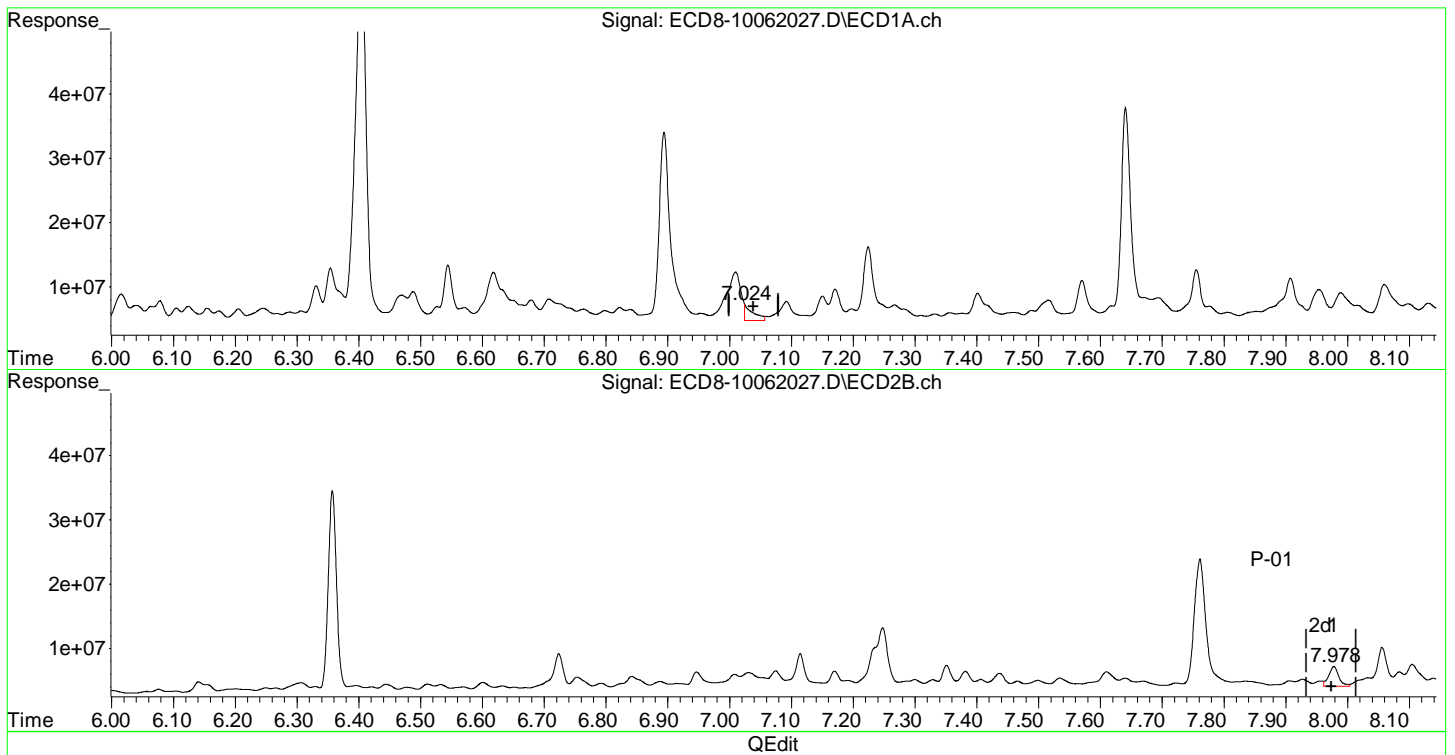
MJB 10/7/20

(17) 4,4'-DDT #2
8.840min 1.423 ng/mL
response 3706534

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.024min 0.812 ng/mL m
response 2535493

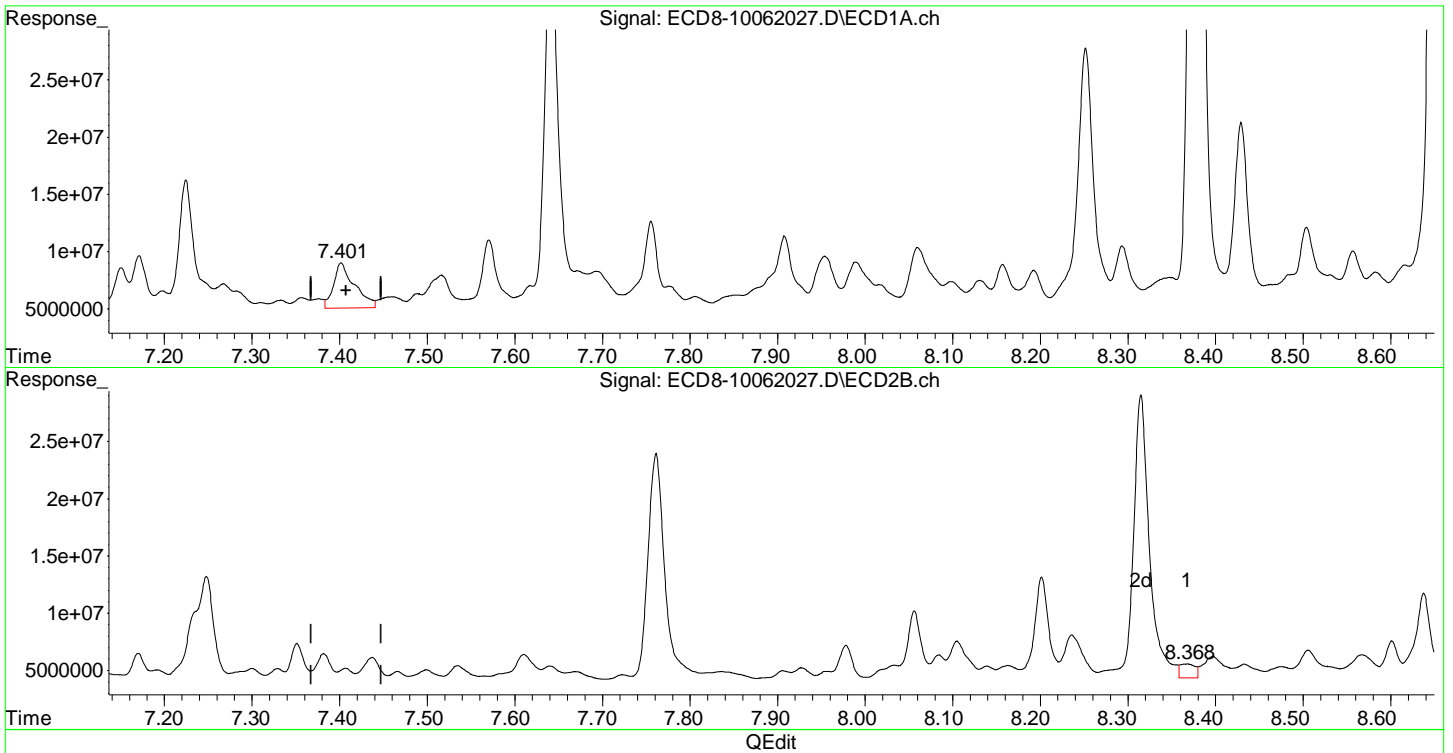
MJB 10/7/20

(26) 2,4'-DDE #2
7.978min 1.193 ng/mL
response 3079752

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.402min 1.571 ng/mL
response 3943636

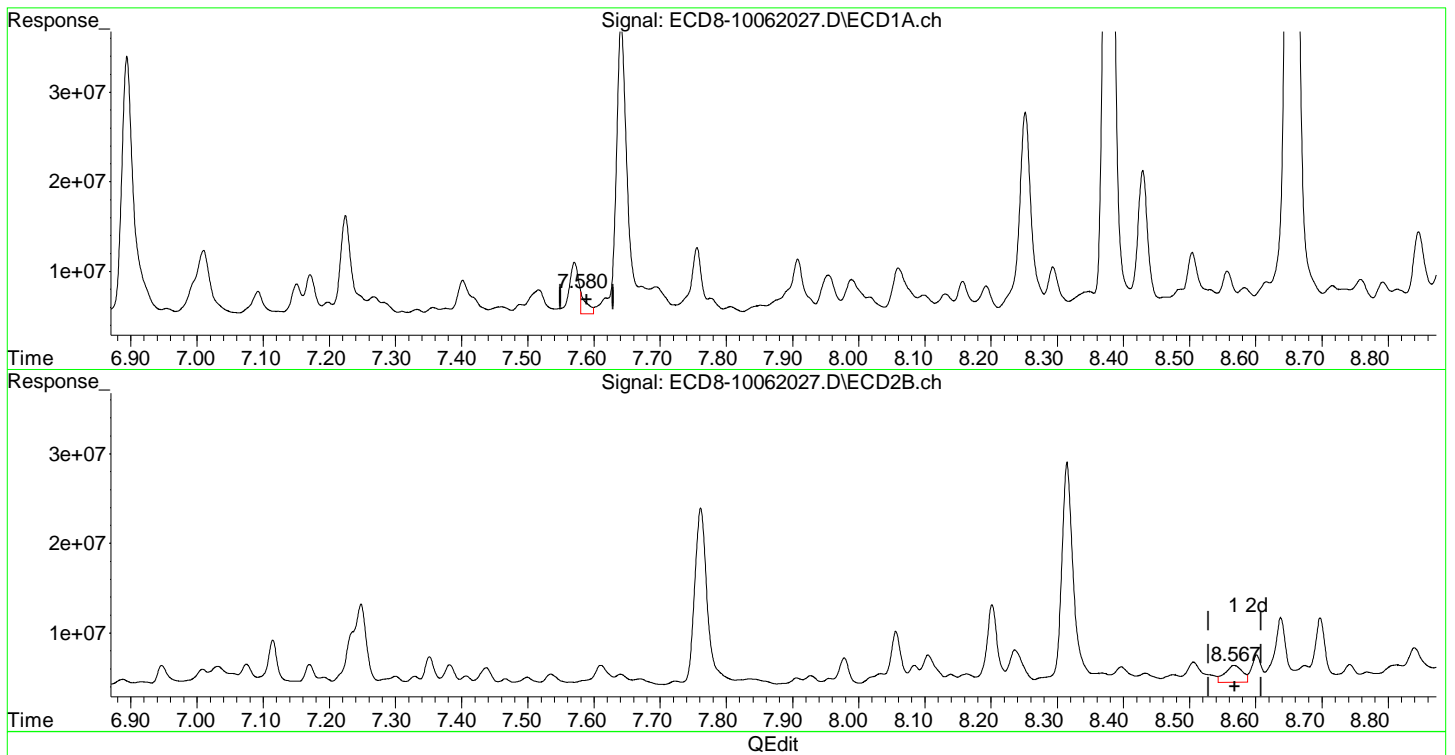
MJB 10/7/20

(28) 2,4'-DDD #2
8.368min 0.405 ng/mL
response 1198244

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.580min 0.890 ng/mL m
response 2486308

MJB 10/7/20

(29) 2,4'-DDT #2
8.567min 0.741 ng/mL
response 1897298

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:42
 Operator : MJB
 Sample : A0I0556-14RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

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MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:38:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.106	5.849	44318928	43688747	11.874	12.446
22) S DCBP (S)	9.282	10.365	37033355	35582912	12.011	16.858 #
Target Compounds						
2) a-BHC	5.619f	6.444	1390755	1222716	0.282	0.317
3) g-BHC	5.931	6.754	1897789	2129210	0.429	0.549 #
4) b-BHC	6.016	6.842	5042786	2184048	2.540	1.159 #
5) Heptachlor	6.331	7.115f	6030621	5588743	1.424	1.431
6) d-BHC	6.155	7.075	2704258	2926959	0.656	0.803
7) Aldrin	6.571	7.407	2433811	1411842	0.558	0.377 #
8) Heptachlo...	7.010	7.836	7602425	850637	1.877	0.232 #
9) trans-Chl...	7.151f	7.978	3725529	3079752	0.900	0.831
10) cis-Chlor...	7.225	8.084	11322307	2170987	2.761	0.612 #
11) Endosulfa...	7.310	8.139	560960	1157994	0.149	0.350 #
12) 4,4'-DDE	7.267f	8.202	2229956	8887106	0.545	2.596 #
13) Dieldrin	7.489	8.315	1180009	24722532	0.279	6.722 #
14) Endrin	7.641	8.567	32548384	1897298	10.765	0.751 #
15) 4,4'-DDD	7.694	8.601	2949797	3057392	0.883	1.075
16) Endosulfa...	7.806	8.698	631893	7113980	0.195	2.425 #
17) 4,4'-DDT	7.908	8.840	5821117	3706534	1.884	1.423
18) Endrin Al...	8.098	8.954	1663301	3373979	0.505	1.185 #
19) Endosulfa...	8.378	9.145	120.0E6	16377513	41.437	6.766 #
20) Methoxychlor	8.252	9.331	21921403	23746416	14.465	16.015
21) Endrin Ke...	8.583	9.524	2075150	10070382	0.898	5.977 #
23) Hexachlor...	2.868f	3.564	475658	1501654	BelowCal	0.178
24) Hexachlor...	5.485	6.307	1123151	1522838	0.087	0.234 #
25) Oxychlorane	6.954	7.761	1182451	19933660	0.162	6.658 #
26) 2,4'-DDE	7.010f	7.978	7602425	3079752	2.794	1.193 #
27) trans-Non...	7.225	8.033	11322307	1284811	2.785	0.150 #
28) 2,4'-DDD	7.402	8.368f	3943636	1198244	1.571	0.405 #
29) 2,4'-DDT	7.571	8.567	5777730	1897298	2.310	0.741 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 19:42
 Operator : MJB
 Sample : A0I0556-14RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:38:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

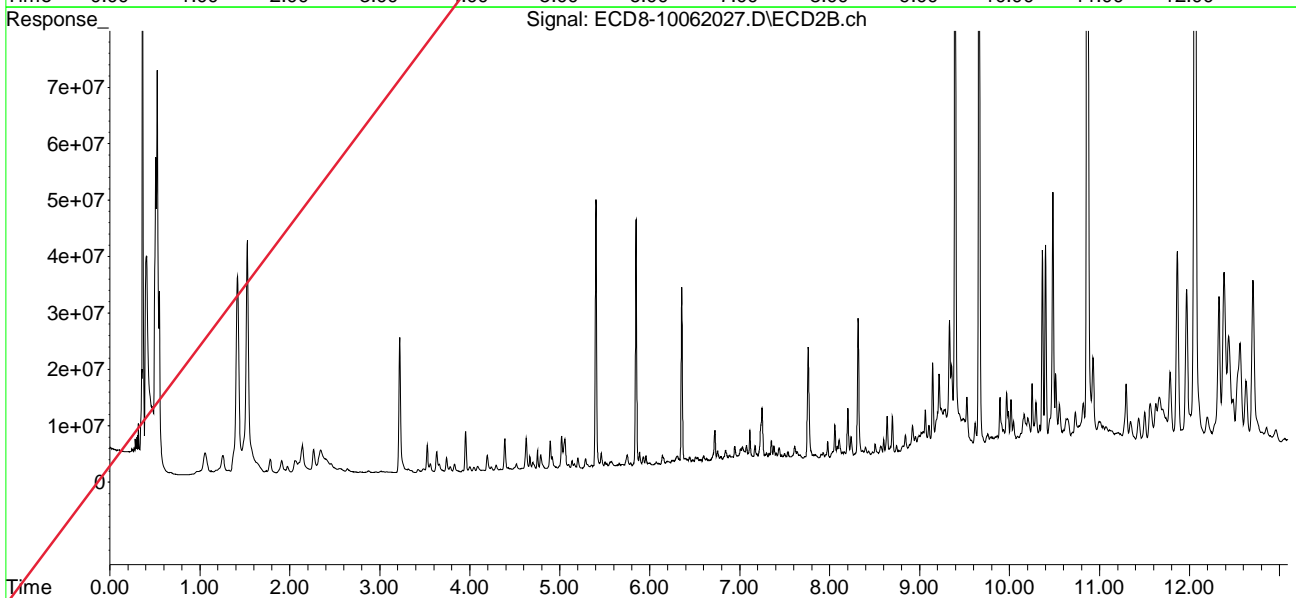
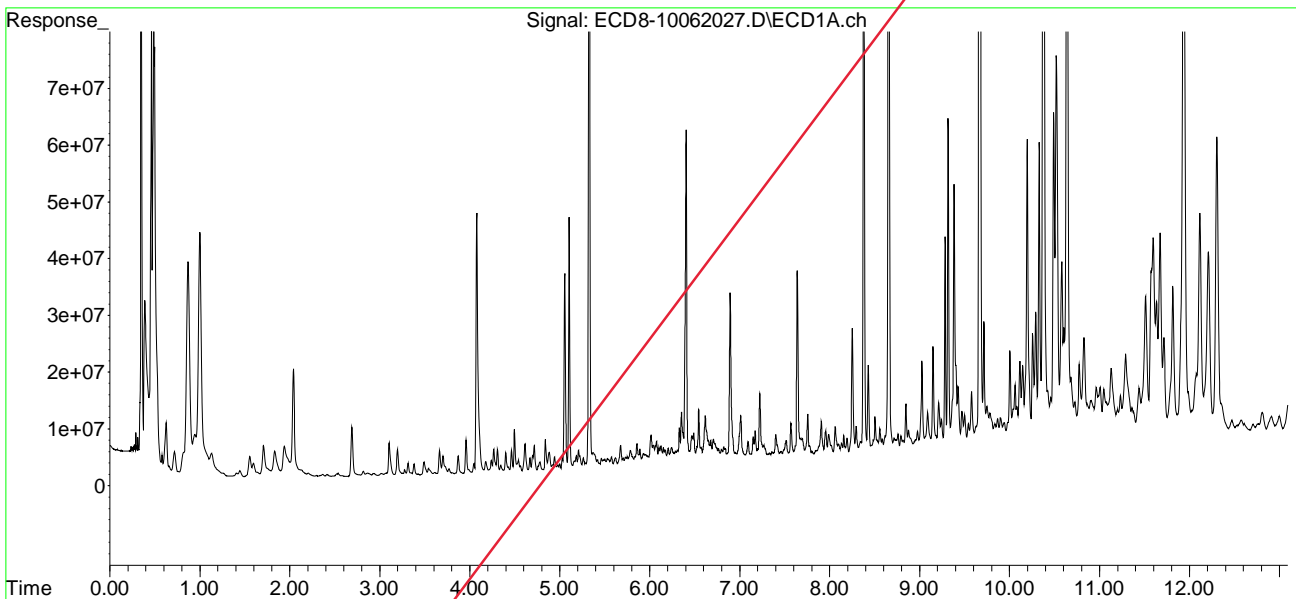
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.694	8.601	2949797	3057392	0.543	0.690 #
31)	Mirex	8.348	9.524	1831265	10070382	0.414	4.358 #
32)	Chlordane...	7.460f	8.236	917556	3808260	2.028	8.620 #
33)	Chlordane...	7.516	8.315	2740657	24722532	4.981	66.418 #
34)	Chlordane...	8.060	8.995	4712847	3544870	32.494	23.547 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.433	560960	1130558	32.610	37.390
37)	Toxaphene...	7.641f	8.768	32548384	1073951	1007.088	27.329 #
38)	Toxaphene...	7.908	8.813	5821117	1818716	77.256	28.760 #
39)	Toxaphene...	8.157	8.888	3123489	2054521	41.872	15.425 #
40)	Toxaphene...	8.378	9.040	120.0E6	4226862	2148.841	74.449 #
41)	Toxaphene...	8.429	9.396f	15282537	131.7E6	198.793	2033.416 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 19:42
Operator : MJB
Sample : A0I0556-14RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:38:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 20:19
 Operator : MJB
 Sample : A0I0556-17RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:43:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.105	5.849	86211216	77321966	23.098	22.027
22) S DCBP (S)	9.281	10.364	61805927	53763609	20.188	25.397 #
Target Compounds						
2) a-BHC	5.644	6.457	2520433	1707490	0.512	0.427
3) g-BHC	5.921	6.756	2300476	7146469	0.520	1.842 #
4) b-BHC	6.007	6.842	5172335	4023454	2.605	2.134
5) Heptachlor	6.328	7.135	22213458	2505922	5.247	0.624 #
6) d-BHC	6.120f	7.091	4099554	3006154	0.994	0.824
7) Aldrin	6.569	7.406	13826848	2483754	3.169	0.670 #
8) Heptachlo...	7.047f	7.864f	2435092	1988935	0.601	0.543
9) trans-Chl...	7.118	7.976	1974143	3368566	0.477	0.909 #
10) cis-Chlor...	7.224	8.086	3394423	1678913	0.828	0.473 #
11) Endosulfa...	7.309	8.105f	1351678	2112827	0.358	0.638 #
12) 4,4'-DDE	7.280	8.201	1865992	2734970	0.456m	0.814 #
13) Dieldrin	7.451f	8.313	1907075	22038973	0.451	5.992 #
14) Endrin	7.638	8.562	29272295	1887074	9.681	0.747 #
15) 4,4'-DDD	7.690	8.600	2696086	2345321	0.807	0.827
16) Endosulfa...	7.808	8.696	1231981	2218695	0.381	0.756 #
17) 4,4'-DDT	7.907	8.839	3435680	2053487	1.112	0.782 #
18) Endrin Al...	8.108f	8.952	1285231	1535127	0.390	0.539 #
19) Endosulfa...	8.376	9.143	36342089	7846098	12.548	3.235 #
20) Methoxychlor	8.250	9.329	12713583	8410283	8.389	5.672 #
21) Endrin Ke...	8.582	9.523	1692744	5019921	0.732	2.945 #
23) Hexachlor...	2.925f	3.563	513607	1315380	BelowCal	0.128
24) Hexachlor...	5.479	6.332	3710454	4426372	0.817	1.116 #
25) Oxychlorane	6.962	7.760	2758497	9426499	0.623	3.037 #
26) 2,4'-DDE	7.047	7.976	2435092	3368566	0.773	1.323 # P-01
27) trans-Non...	7.224	8.035	3394423	2725101	0.671	0.605
28) 2,4'-DDD	7.402	8.313f	2511854	22038973	0.930	10.984 # P-01
29) 2,4'-DDT	7.573	8.562	2495491	1887074	0.894m	0.736

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 20:19
 Operator : MJB
 Sample : A0I0556-17RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:43:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

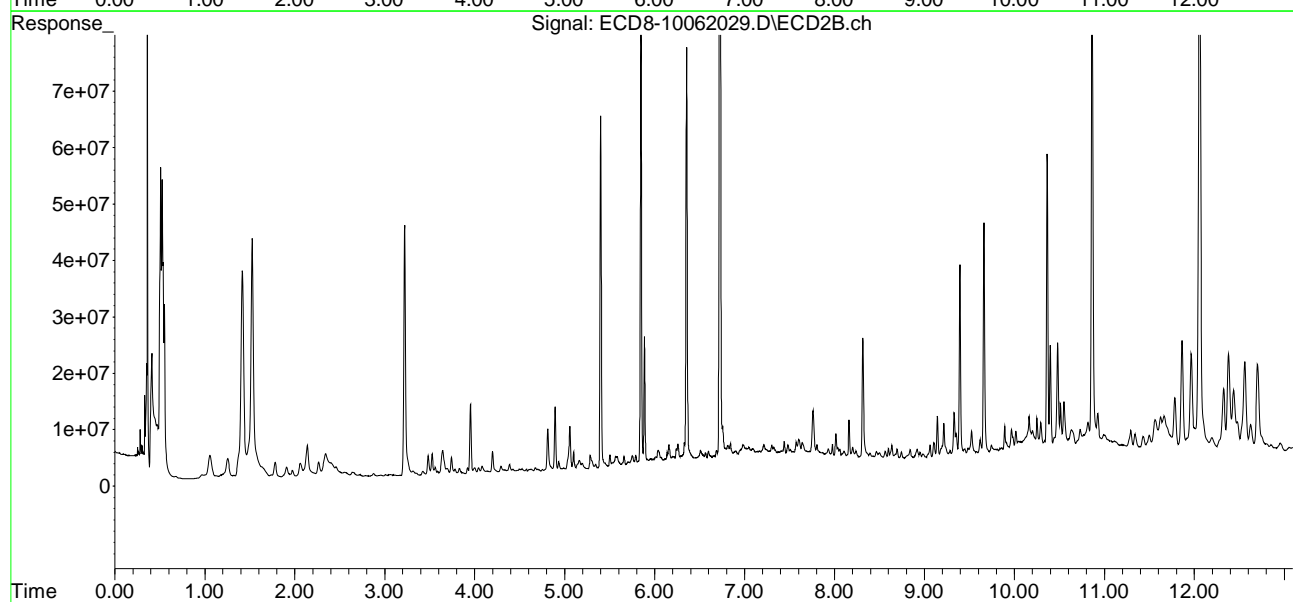
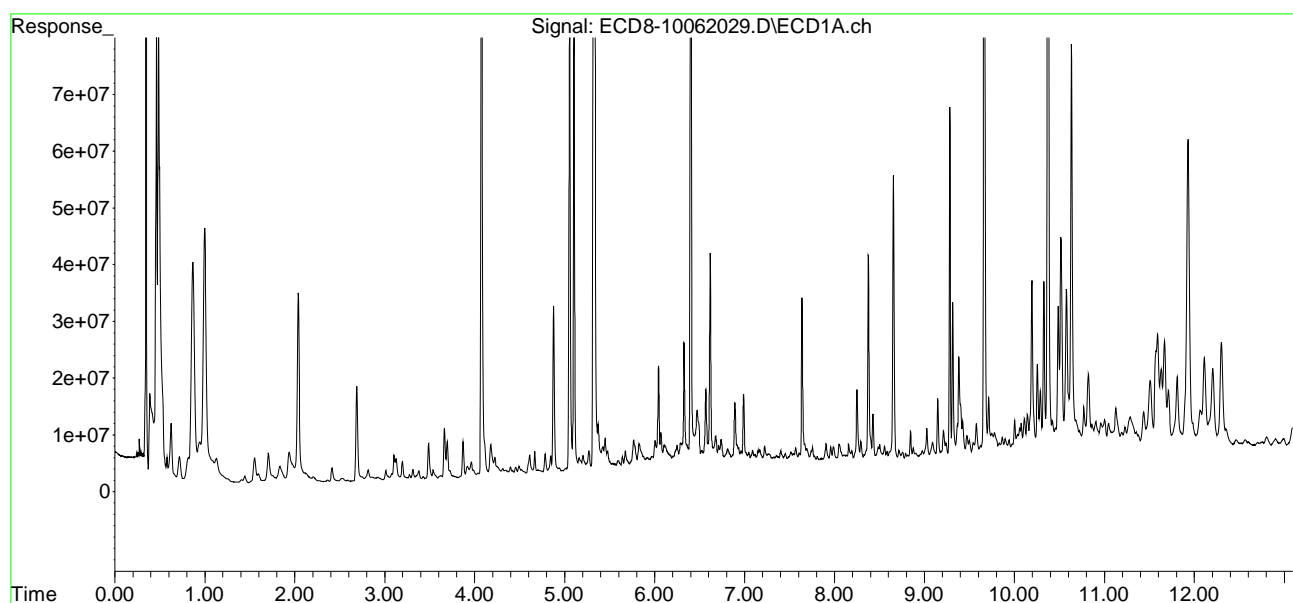
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.669	8.600	3470820	2345321	0.671	0.488 #
31)	Mirex	8.328	9.523	1263301	5019921	0.196	1.969 #
32)	Chlordane...	7.451	8.236	1907075	2081666	4.216	4.712
33)	Chlordane...	7.515	8.313f	2211142	22038973	4.019	59.208 #
34)	Chlordane...	8.050f	8.981	3239766	1182362	22.337	1.295 #
35)	Chlordane...	0.205	0.000	837066	0	NoCal	N.D.
36)	Toxaphene...	7.309	8.432	1351678	1066269	78.577	35.264 #
37)	Toxaphene...	7.605	8.742f	1969926	1704811	57.563	43.383
38)	Toxaphene...	7.907	8.839f	3435680	2053487	45.597	32.473 #
39)	Toxaphene...	8.157	8.839f	3229321	2053487	43.457	15.414 #
40)	Toxaphene...	8.376	9.062	36342089	2768049	650.695	48.754 #
41)	Toxaphene...	8.427	9.445f	8329262	1854514	108.346	28.642 #
42)	Toxaphene...	0.205	0.000	837066	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 20:19
Operator : MJB
Sample : A0I0556-17RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

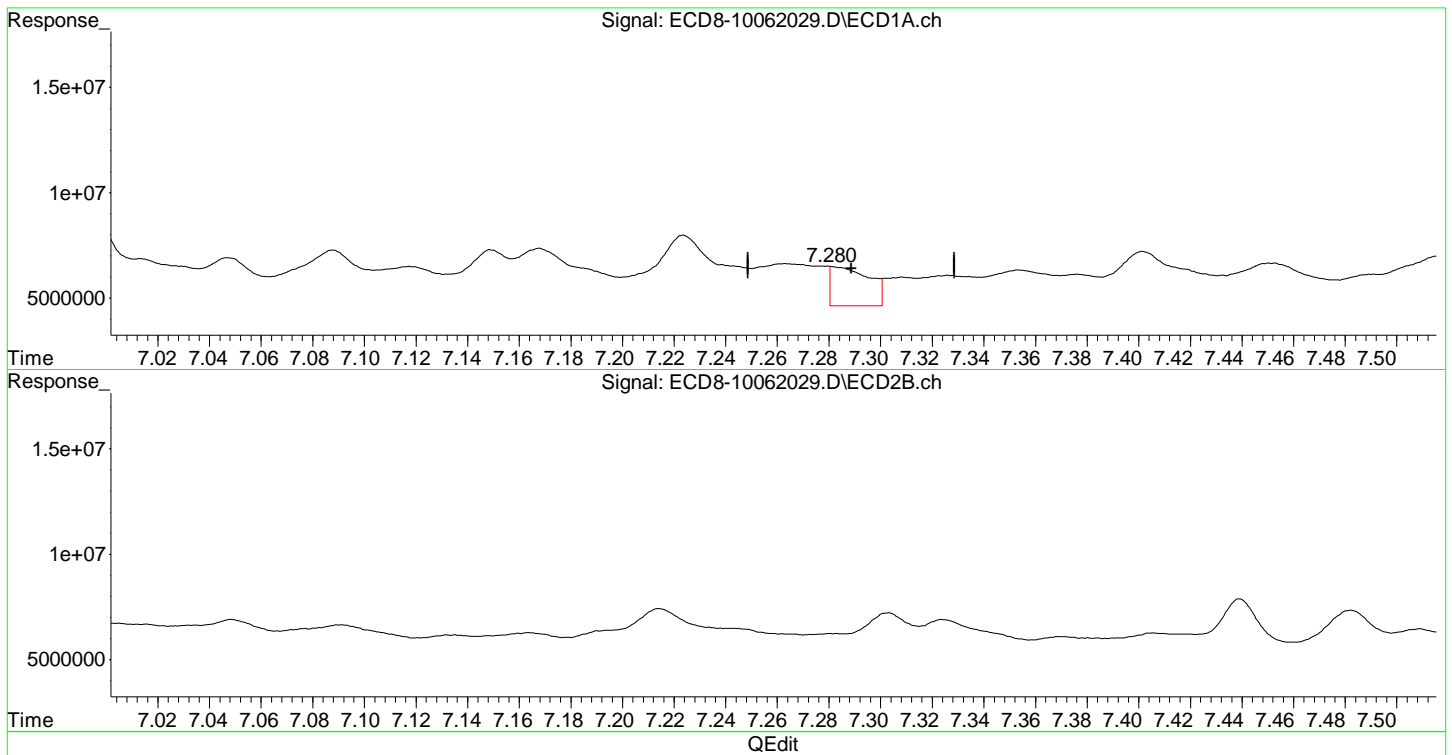
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:43:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 20:19
Operator : MJB
Sample : A0I0556-17RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:43:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.280min 0.456 ng/mL m
response 1865992

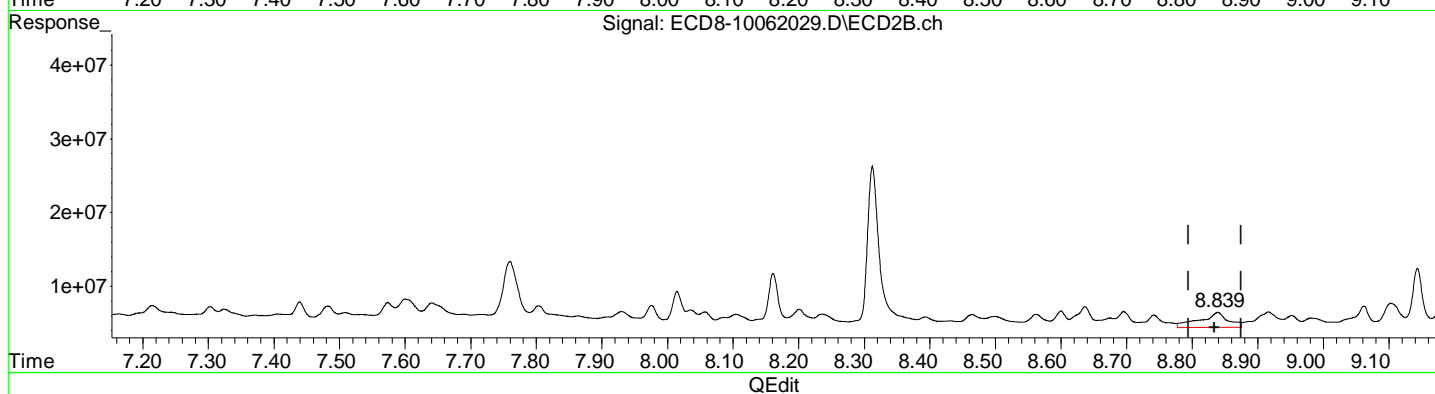
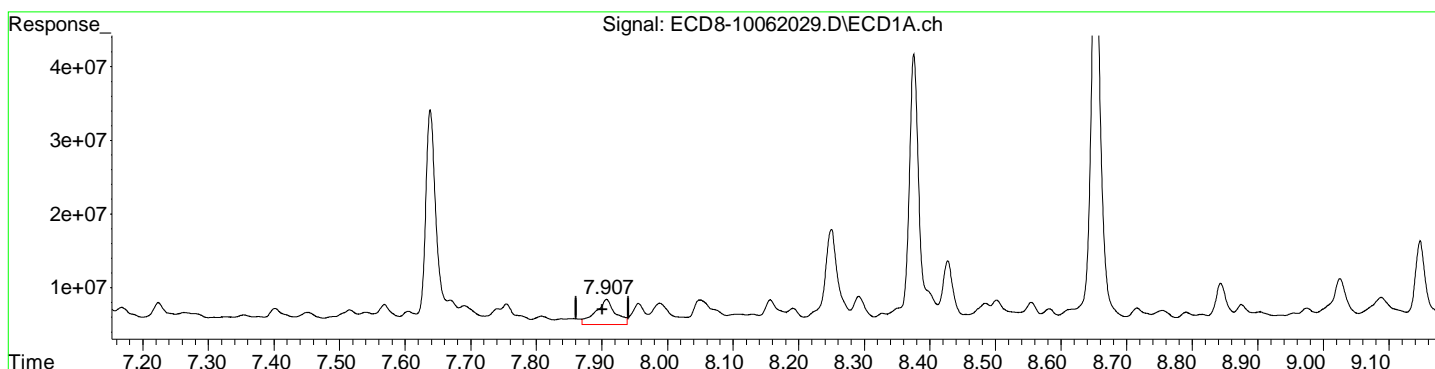
MJB 10/7/20

(12) 4,4'-DDE #2
8.201min 0.814 ng/mL
response 2734970

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 20:19
Operator : MJB
Sample : A0I0556-17RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:43:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.907min 1.112 ng/mL
response 3435680

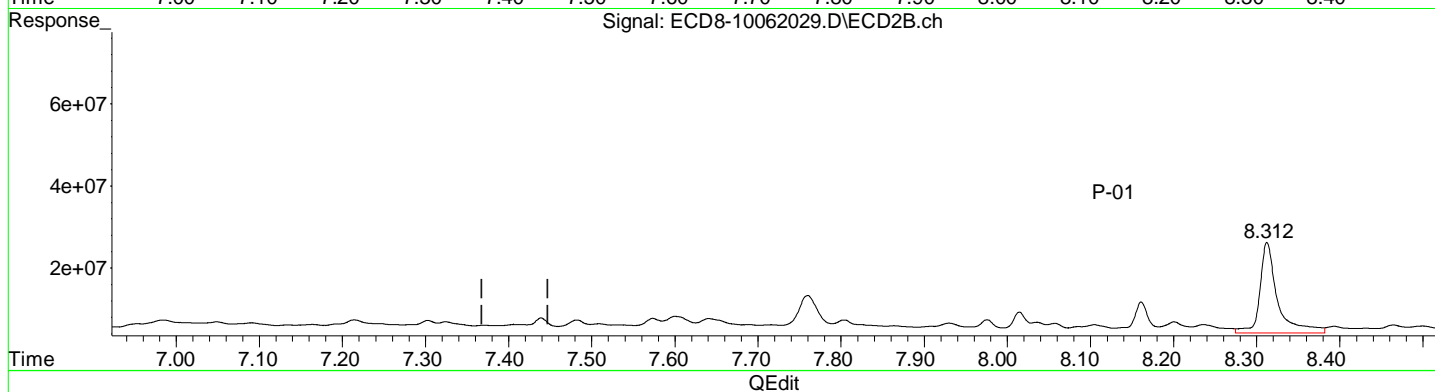
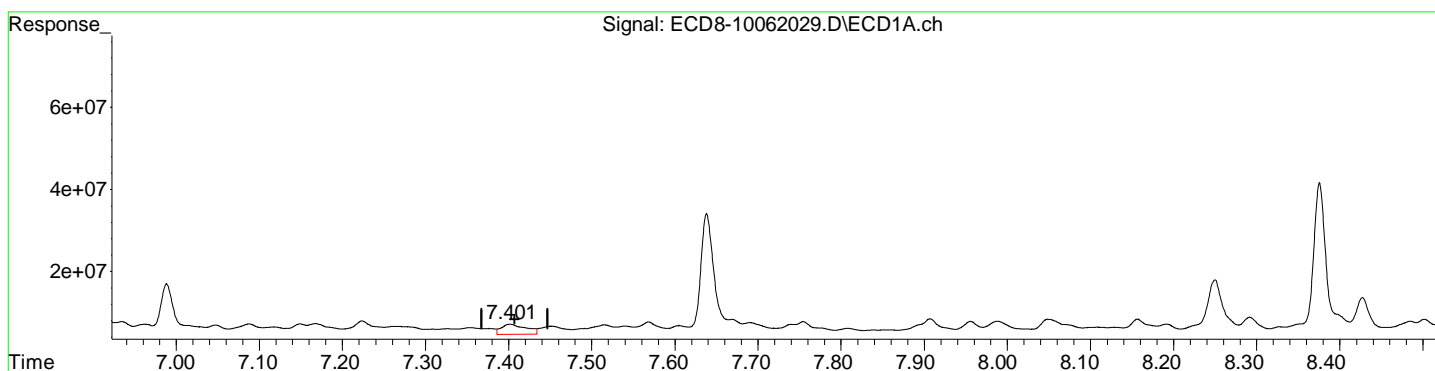
MJB 10/7/20

(17) 4,4'-DDT #2
8.839min 0.782 ng/mL
response 2053487

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 20:19
Operator : MJB
Sample : A0I0556-17RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:43:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.402min 0.930 ng/mL
response 2511854

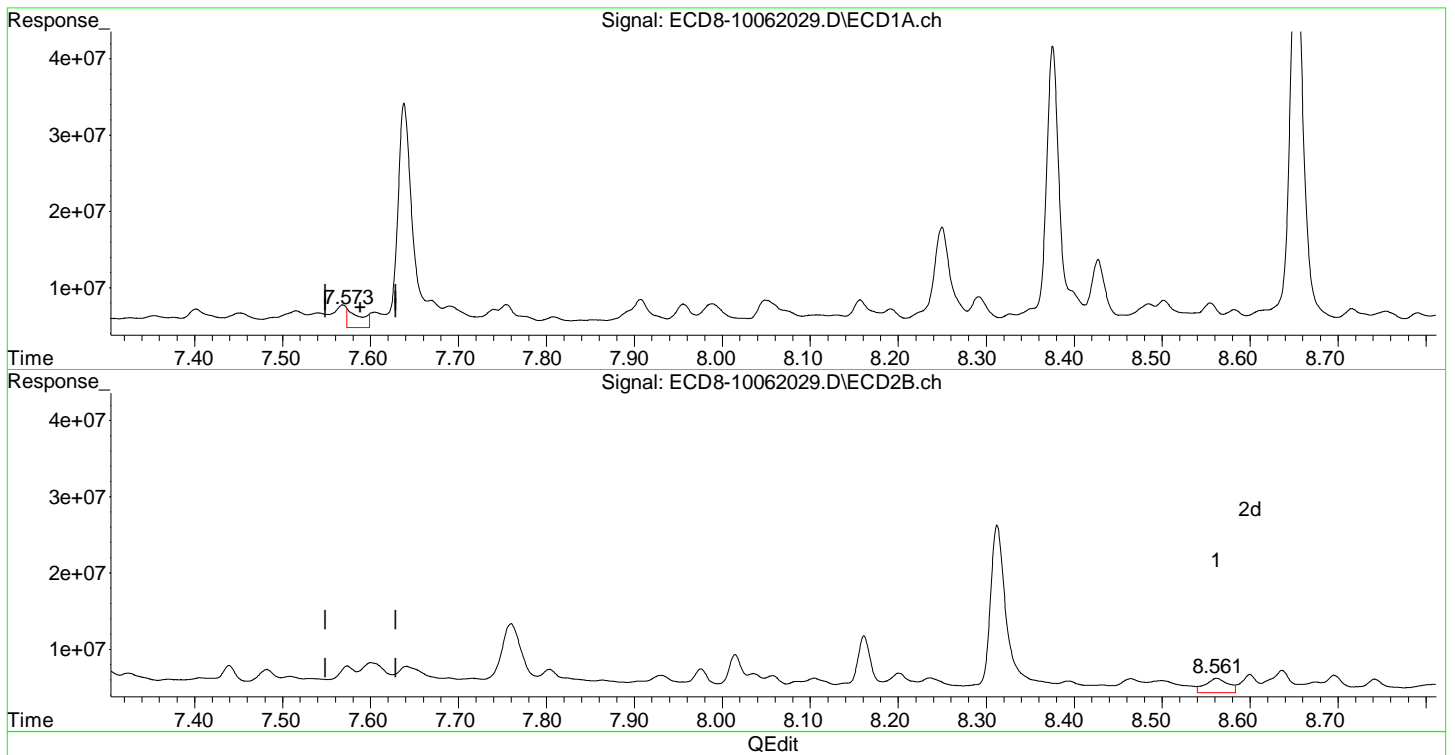
MJB 10/7/20

(28) 2,4'-DDD #2
8.313min 10.984 ng/mL
response 22038973

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 20:19
Operator : MJB
Sample : A0I0556-17RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:43:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.573min 0.894 ng/mL m
response 2495491

MJB 10/7/20

(29) 2,4'-DDT #2
8.562min 0.736 ng/mL
response 1887074

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 20:19
 Operator : MJB
 Sample : A0I0556-17RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:43:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.105	5.849	86211216	77321966	23.098	22.027
22) S DCBP (S)	9.281	10.364	61805927	53763609	20.188	25.397 #
Target Compounds						
2) a-BHC	5.644	6.457	2520433	1707490	0.512	0.427
3) g-BHC	5.921	6.756	2300476	7146469	0.520	1.842 #
4) b-BHC	6.007	6.842	5172335	4023454	2.605	2.134
5) Heptachlor	6.328	7.135	22213458	2505922	5.247	0.624 #
6) d-BHC	6.120f	7.091	4099554	3006154	0.994	0.824
7) Aldrin	6.569	7.406	13826848	2483754	3.169	0.670 #
8) Heptachlo...	7.047f	7.864f	2435092	1988935	0.601	0.543
9) trans-Chl...	7.118	7.976	1974143	3368566	0.477	0.909 #
10) cis-Chlor...	7.224	8.086	3394423	1678913	0.828	0.473 #
11) Endosulfa...	7.309	8.105f	1351678	2112827	0.358	0.638 #
12) 4,4'-DDE	7.309f	8.201	1351678	2734970	0.331	0.814 #
13) Dieldrin	7.451f	8.313	1907075	22038973	0.451	5.992 #
14) Endrin	7.638	8.562	29272295	1887074	9.681	0.747 #
15) 4,4'-DDD	7.690	8.600	2696086	2345321	0.807	0.827
16) Endosulfa...	7.808	8.696	1231981	2218695	0.381	0.756 #
17) 4,4'-DDT	7.907	8.839	3435680	2053487	1.112	0.782 #
18) Endrin Al...	8.108f	8.952	1285231	1535127	0.390	0.539 #
19) Endosulfa...	8.376	9.143	36342089	7846098	12.548	3.235 #
20) Methoxychlor	8.250	9.329	12713583	8410283	8.389	5.672 #
21) Endrin Ke...	8.582	9.523	1692744	5019921	0.732	2.945 #
23) Hexachlor...	2.925f	3.563	513607	1315380	BelowCal	0.128
24) Hexachlor...	5.479	6.332	3710454	4426372	0.817	1.116 #
25) Oxychlorane	6.962	7.760	2758497	9426499	0.623	3.037 #
26) 2,4'-DDE	7.047	7.976	2435092	3368566	0.773	1.323 #
27) trans-Non...	7.224	8.035	3394423	2725101	0.671	0.605
28) 2,4'-DDD	7.402	8.313f	2511854	22038973	0.930	10.984 #
29) 2,4'-DDT	7.605	8.562	1969926	1887074	0.667	0.736

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 20:19
 Operator : MJB
 Sample : A0I0556-17RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:43:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

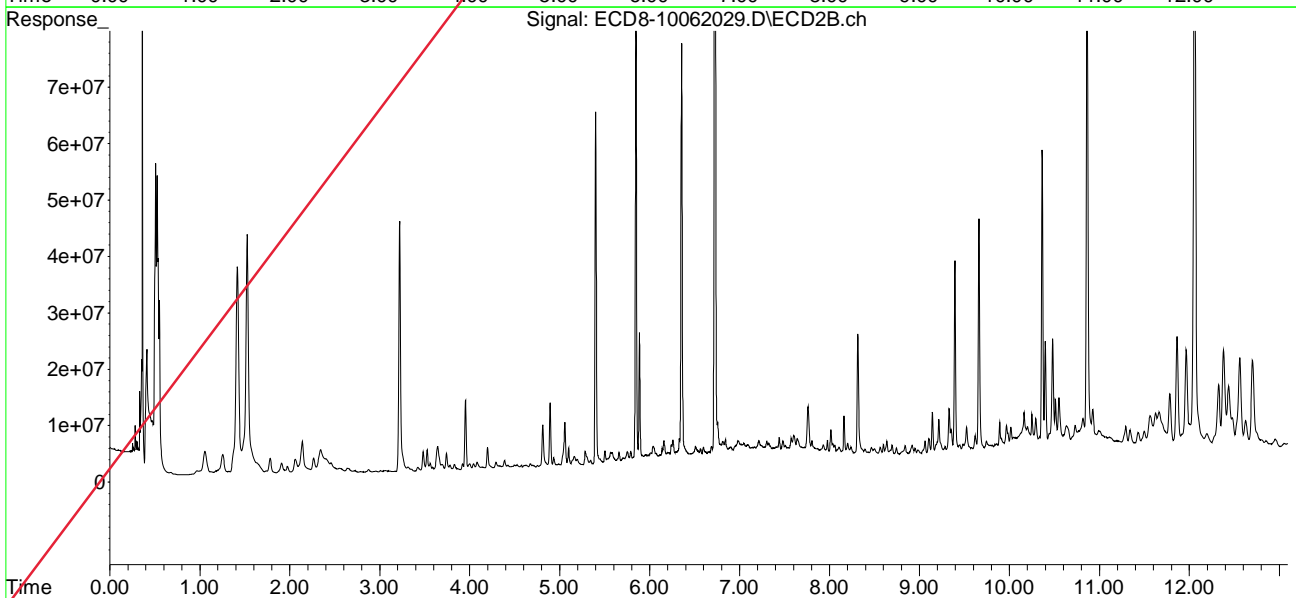
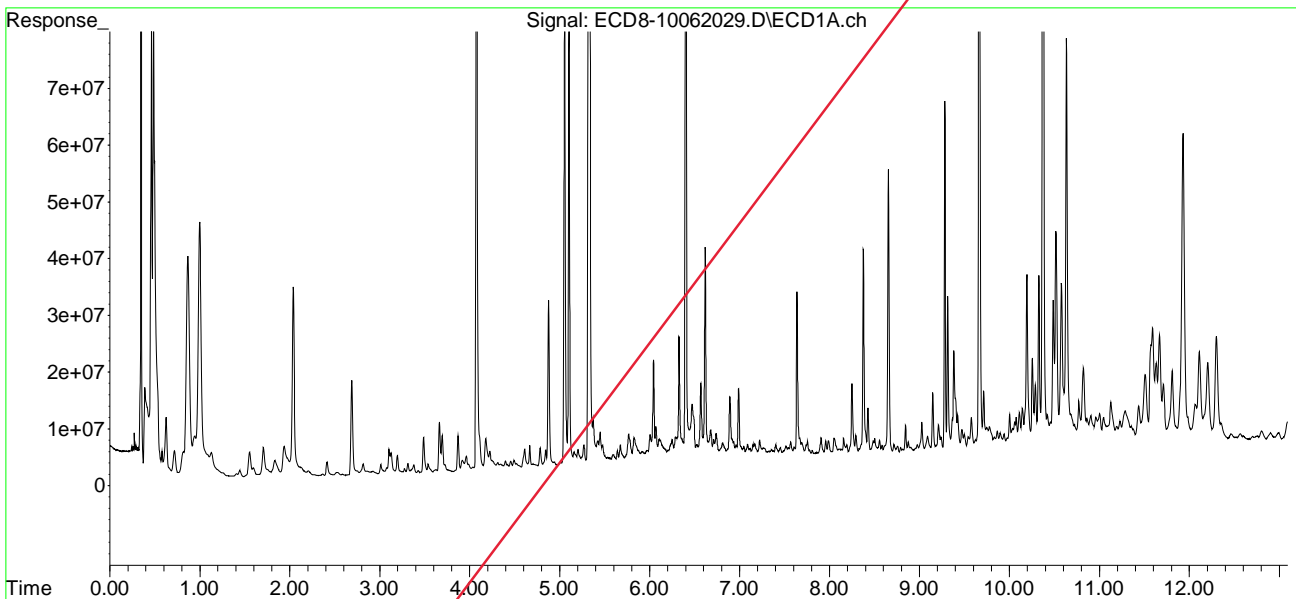
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.669	8.600	3470820	2345321	0.671	0.488 #
31)	Mirex	8.328	9.523	1263301	5019921	0.196	1.969 #
32)	Chlordane...	7.451	8.236	1907075	2081666	4.216	4.712
33)	Chlordane...	7.515	8.313f	2211142	22038973	4.019	59.208 #
34)	Chlordane...	8.050f	8.981	3239766	1182362	22.337	1.295 #
35)	Chlordane...	0.205	0.000	837066	0	NoCal	N.D.
36)	Toxaphene...	7.309	8.432	1351678	1066269	78.577	35.264 #
37)	Toxaphene...	7.605	8.742f	1969926	1704811	57.563	43.383
38)	Toxaphene...	7.907	8.839f	3435680	2053487	45.597	32.473 #
39)	Toxaphene...	8.157	8.839f	3229321	2053487	43.457	15.414 #
40)	Toxaphene...	8.376	9.062	36342089	2768049	650.695	48.754 #
41)	Toxaphene...	8.427	9.445f	8329262	1854514	108.346	28.642 #
42)	Toxaphene...	0.205	0.000	837066	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 20:19
Operator : MJB
Sample : A0I0556-17RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:43:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 20:56
 Operator : MJB
 Sample : 0J06051-CCV7
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:50:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.105	5.850	347.6E6	290.7E6	93.143	82.825
22) S DCBP (S)	9.282	10.365	268.3E6	223.0E6	88.068	99.389
Target Compounds						
2) a-BHC	5.638	6.452	530.9E6	516.2E6	107.815	100.949
3) g-BHC	5.918	6.767	477.7E6	461.0E6	108.003	101.424
4) b-BHC	5.997	6.834	184.8E6	171.8E6	93.091	91.109
5) Heptachlor	6.328	7.136	487.8E6	492.0E6	115.218	110.451
6) d-BHC	6.142	7.086	424.4E6	399.9E6	102.881	92.422
7) Aldrin	6.565	7.399	460.8E6	460.5E6	105.607	108.196
8) Heptachlo...	7.021	7.836	415.9E6	397.9E6	102.715	108.702
9) trans-Chl...	7.117	7.975	431.0E6	425.2E6	104.170	114.740
10) cis-Chlor...	7.214	8.082	411.8E6	391.8E6	100.405	110.434
11) Endosulfa...	7.305	8.130	417.4E6	372.2E6	110.623	112.353
12) 4,4'-DDE	7.285	8.193	411.6E6	371.5E6	100.694	92.902
13) Dieldrin	7.476	8.330	446.4E6	418.7E6	105.545	113.858
14) Endrin	7.638	8.556	363.0E6	334.4E6	120.062	115.497
15) 4,4'-DDD	7.700	8.606	334.7E6	295.2E6	100.210	89.599
16) Endosulfa...	7.792	8.703	346.2E6	332.4E6	107.054	113.285
17) 4,4'-DDT	7.897	8.831	353.1E6	318.5E6	114.282	101.165
18) Endrin Al...	8.079	8.940	291.7E6	296.2E6	88.577	104.034
19) Endosulfa...	8.377	9.130	335.4E6	311.8E6	115.805	110.770
20) Methoxychlor	8.240	9.311	170.5E6	145.5E6	112.481	98.135
21) Endrin Ke...	8.566	9.526	402.4E6	364.7E6	174.086	163.912
23) Hexachlor...	0.000	3.580f	0	23488	N.D.	BelowCal
24) Hexachlor...	5.485	6.347f	673833	79221	BelowCal	BelowCal
25) Oxychlorane	6.960	7.776	1883063	19605	0.367	BelowCal #
26) 2,4'-DDE	7.021	7.975	415.9E6	425.2E6	155.994	158.670
27) trans-Non...	7.214	8.038	411.8E6	1160908	108.981	0.111 #
28) 2,4'-DDD	0.000	8.330	0	418.7E6	N.D.	174.520 #
29) 2,4'-DDT	7.585	8.556	1241835	334.4E6	0.353	138.347 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 20:56
 Operator : MJB
 Sample : 0J06051-CCV7
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:50:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

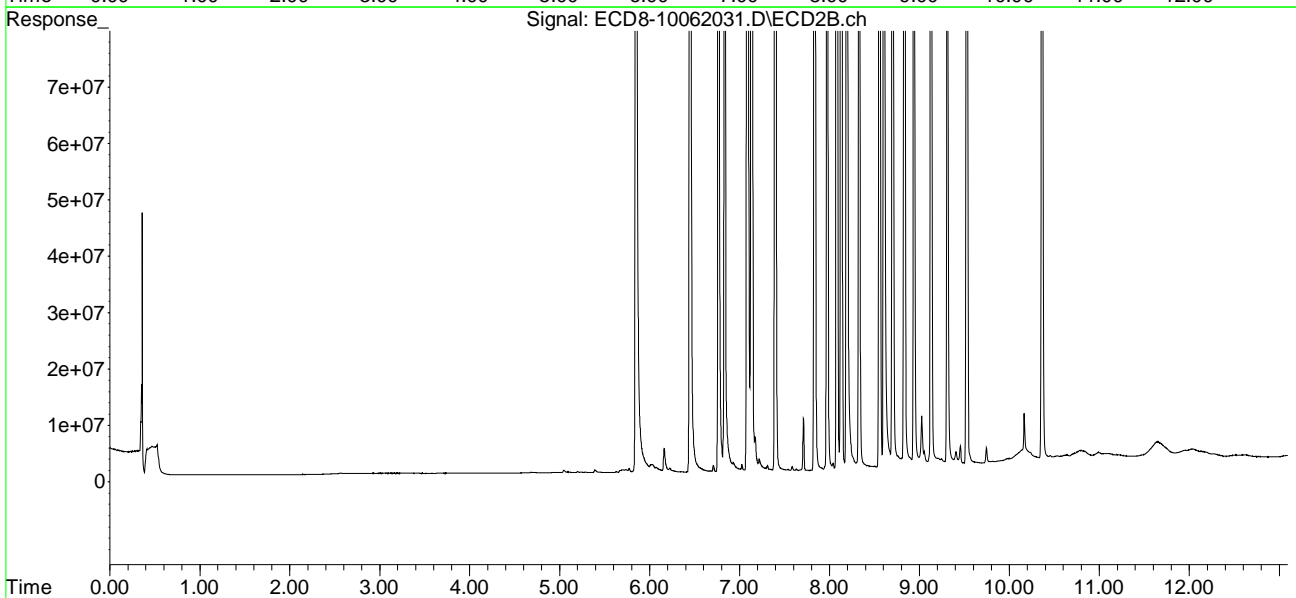
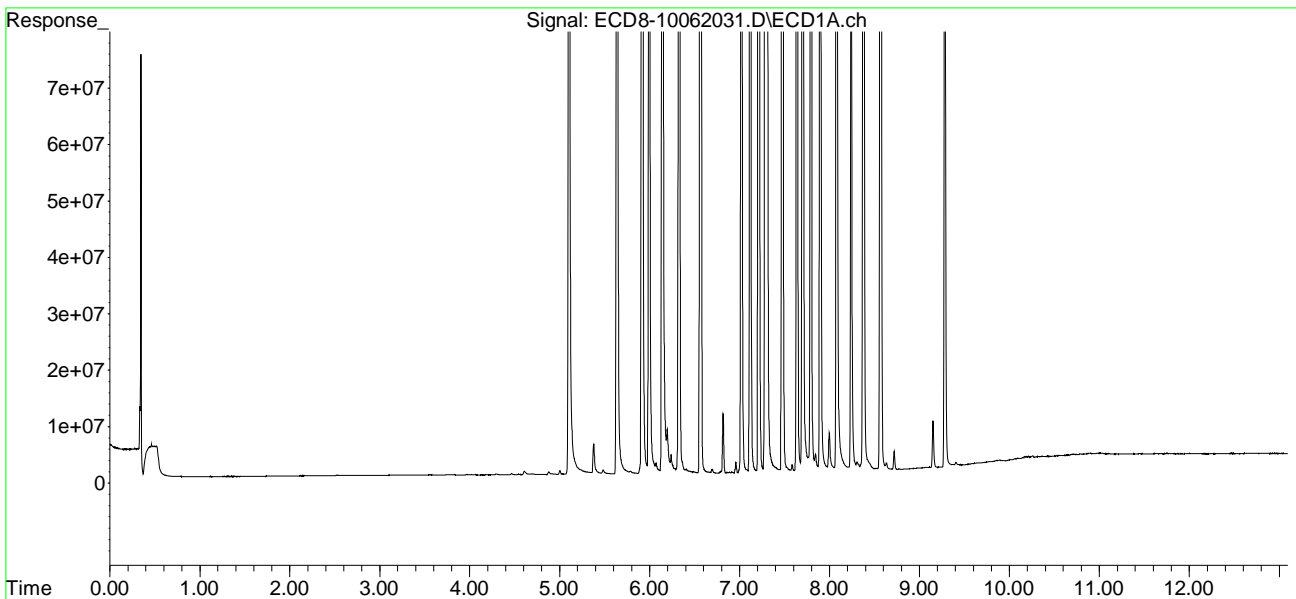
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.700f	8.606	334.7E6	295.2E6	81.286	76.978
31)	Mirex	8.321	9.526	1064977	364.7E6	0.121	152.787 #
32)	Chlordane...	0.000	8.193f	0	371.5E6	N.D.	840.880 #
33)	Chlordane...	0.000	8.330	0	418.7E6	N.D.	1124.966 #
34)	Chlordane...	8.079	9.024f	291.7E6	9117171	2010.955	75.593 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.305	8.429	417.4E6	566156	24263.546	18.724 #
37)	Toxaphene...	7.585f	8.759	1241835	2142469	35.130	54.520 #
38)	Toxaphene...	7.897	8.801	353.1E6	1676775	4686.528	26.516 #
39)	Toxaphene...	0.000	8.831f	0	318.5E6	N.D.	2676.007 #
40)	Toxaphene...	8.377	9.053	335.4E6	2748201	6005.473	48.405 #
41)	Toxaphene...	0.000	9.407	0	2556767	N.D.	39.488 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 20:56
Operator : MJB
Sample : 0J06051-CCV7
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:50:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:13
 Operator : MJB
 Sample : 0J06051-CCV8
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:51:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.081f	0.000	2549420	0	0.683	N.D. #
22) S DCBP (S)	0.000	10.331f	0	1019744	N.D.	0.249 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.900f	6.758	164066	164515	0.037	0.041
4) b-BHC	6.011	6.848	93178	142651	0.047	0.076 #
5) Heptachlor	6.329	7.136	920571	815208	0.217	0.180
6) d-BHC	6.151	7.094	63862	101272	0.015	0.059 #
7) Aldrin	6.565	7.398	18668	22352	0.004	BelowCal #
8) Heptachlo...	7.036	7.874f	250.6E6	635262	61.877	0.174 #
9) trans-Chl...	7.115	7.971	1297324	236.2E6	0.314	63.747 #
10) cis-Chlor...	7.209	8.081	401.8E6	3126605	97.977	0.881 #
11) Endosulfa...	7.315	8.145	816259	559996	0.216	0.169
12) 4,4'-DDE	7.315f	8.192	816259	393749	0.200	0.133 #
13) Dieldrin	7.469	8.342	2599132	200.8E6	0.615	54.595 #
14) Endrin	7.674f	8.565	417.2E6	239.6E6	137.980	86.384 #
15) 4,4'-DDD	7.674f	8.601	417.2E6	419.2E6	124.913	121.467
16) Endosulfa...	7.824f	8.737f	302174	306003	0.093	0.104
17) 4,4'-DDT	7.899	8.834	204463	556897	0.066	0.201 #
18) Endrin Al...	8.081	8.945	241758	673375	0.073	0.237 #
19) Endosulfa...	8.373	9.128	1377316	200710	0.476	0.037 #
20) Methoxychlor	0.000	9.316	0	320000	N.D.	0.216 #
21) Endrin Ke...	8.590	9.515	529009	240.1E6	0.229	116.797 #
23) Hexachlor...	2.889	3.554	365.4E6	459.7E6	104.993	111.605
24) Hexachlor...	5.483	6.314	335.4E6	263.4E6	92.526	73.448
25) Oxychlorane	6.952	7.765	362.6E6	348.7E6	106.062	108.110
26) 2,4'-DDE	7.036	7.971	250.6E6	236.2E6	95.427	94.881
27) trans-Non...	7.209	8.039	401.8E6	384.0E6	106.354	106.712
28) 2,4'-DDD	7.404	8.342	218.5E6	200.8E6	96.087	91.885
29) 2,4'-DDT	7.586	8.565	261.0E6	239.6E6	108.374	103.417

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:13
 Operator : MJB
 Sample : 0J06051-CCV8
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:51:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

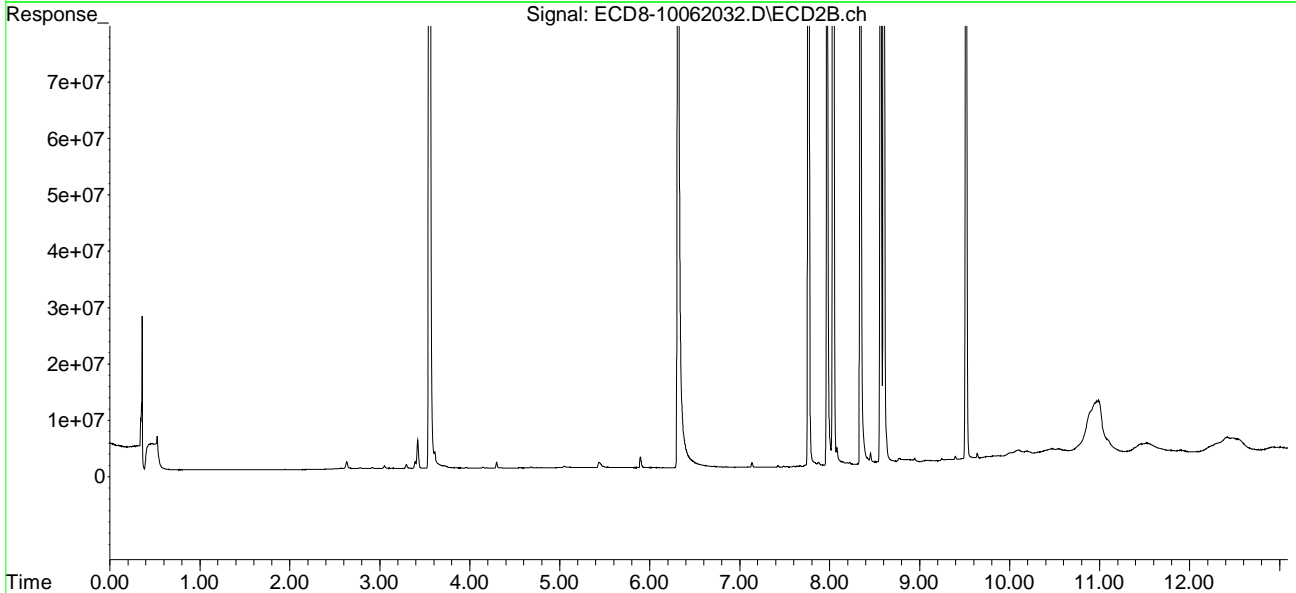
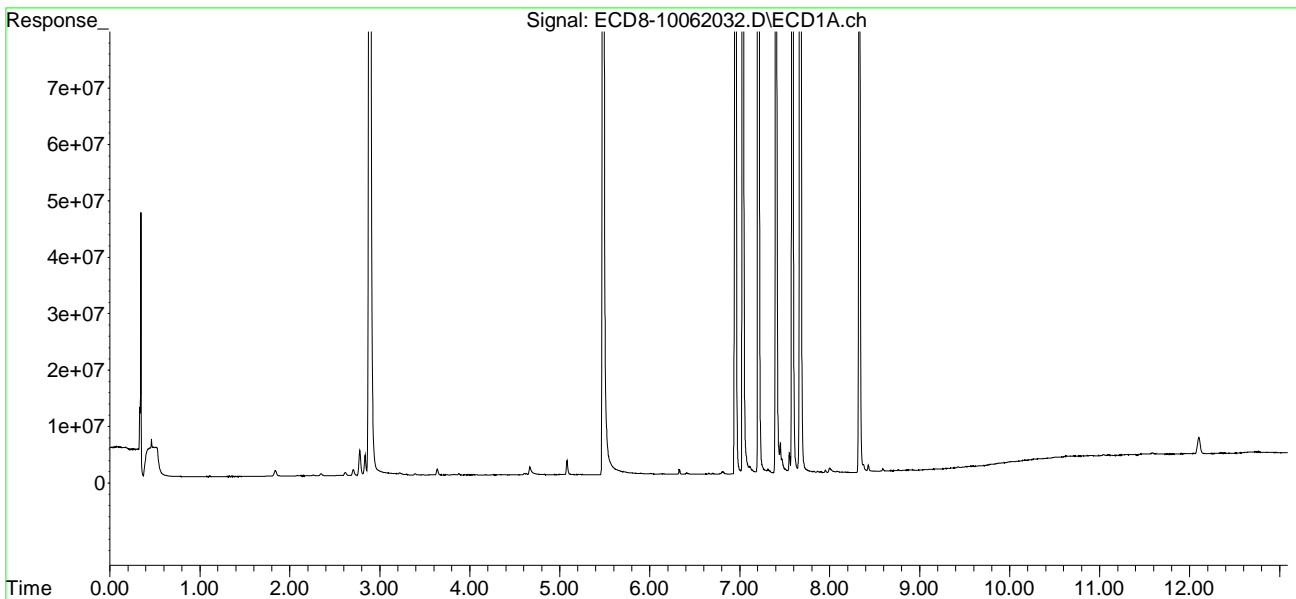
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.674	8.601	417.2E6	419.2E6	101.066	106.036
31)	Mirex	8.329	9.515	247.2E6	240.1E6	94.868	104.331
32)	Chlordane...	7.451	8.222	5438871	407229	12.022	0.922 #
33)	Chlordane...	7.553f	8.342	3651310	200.8E6	6.636	539.421 #
34)	Chlordane...	8.081	0.000	241758	0	1.667	N.D. #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.315	8.421	816259	1088213	47.452	35.989
37)	Toxaphene...	7.586f	8.772	261.0E6	811636	8626.613	20.654 #
38)	Toxaphene...	7.899	8.812	204463	631808	2.714	9.991 #
39)	Toxaphene...	8.176	8.880	76078	504570	BelowCal	BelowCal
40)	Toxaphene...	8.373	9.082f	1377316	248110	24.660	4.370 #
41)	Toxaphene...	8.429	9.422	1273768	314697	16.569	4.860 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:13
Operator : MJB
Sample : 0J06051-CCV8
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:51:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:29
 Operator : MJB
 Sample : 0J06051-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:52:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.105	5.849	332.3E6	282.4E6	89.032	80.444
22) S DCBP (S)	9.283	10.367	241.1E6	209.3E6	79.160	93.723
Target Compounds						
2) a-BHC	5.665f	6.428f	48328	35239	0.010	0.049 #
3) g-BHC	0.000	6.798f	0	6704	N.D.	0.001 #
4) b-BHC	6.018	6.845	30362	7057	0.015	0.004 #
5) Heptachlor	6.329	7.115f	15924	26832	0.004	BelowCal #
6) d-BHC	6.153	7.094	35299	39288	0.009	0.043 #
7) Aldrin	0.000	7.400	0	27389	N.D.	BelowCal
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.114	7.992	263801	135920	0.064	0.037 #
10) cis-Chlor...	7.214	8.077	19405	126562	0.005	0.036 #
11) Endosulfa...	7.342f	8.132	16666	81758	0.004	0.025 #
12) 4,4'-DDE	7.267f	8.186	36702	61404	0.009	0.036 #
13) Dieldrin	7.482	8.353f	12820	175053	0.003	0.048 #
14) Endrin	7.638	0.000	5781	0	0.002	N.D. #
15) 4,4'-DDD	7.673f	0.000	15712	0	0.005	N.D. #
16) Endosulfa...	7.796	8.706	33404	263666	0.010	0.090 #
17) 4,4'-DDT	7.901	8.863f	10169	376789	0.003	0.131 #
18) Endrin Al...	8.083	8.944	165654	679452	0.050	0.239 #
19) Endosulfa...	8.378	9.130	55800	631702	0.019	0.218 #
20) Methoxychlor	8.237	0.000	56285	0	0.037	N.D. #
21) Endrin Ke...	8.570	9.522	141999	1118698	0.061	0.575 #
23) Hexachlor...	0.000	3.577f	0	25407	N.D.	BelowCal
24) Hexachlor...	5.486	6.342f	582502	80804	BelowCal	BelowCal
25) Oxychlorane	6.957	7.766	14086	10053	104477.347	BelowCal #
26) 2,4'-DDE	0.000	7.992	0	135920	N.D.	BelowCal
27) trans-Non...	7.214	8.041	19405	155462	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.353	0	175053	N.D.	BelowCal
29) 2,4'-DDT	7.599	0.000	7734	0	BelowCal	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:29
 Operator : MJB
 Sample : 0J06051-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:52:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

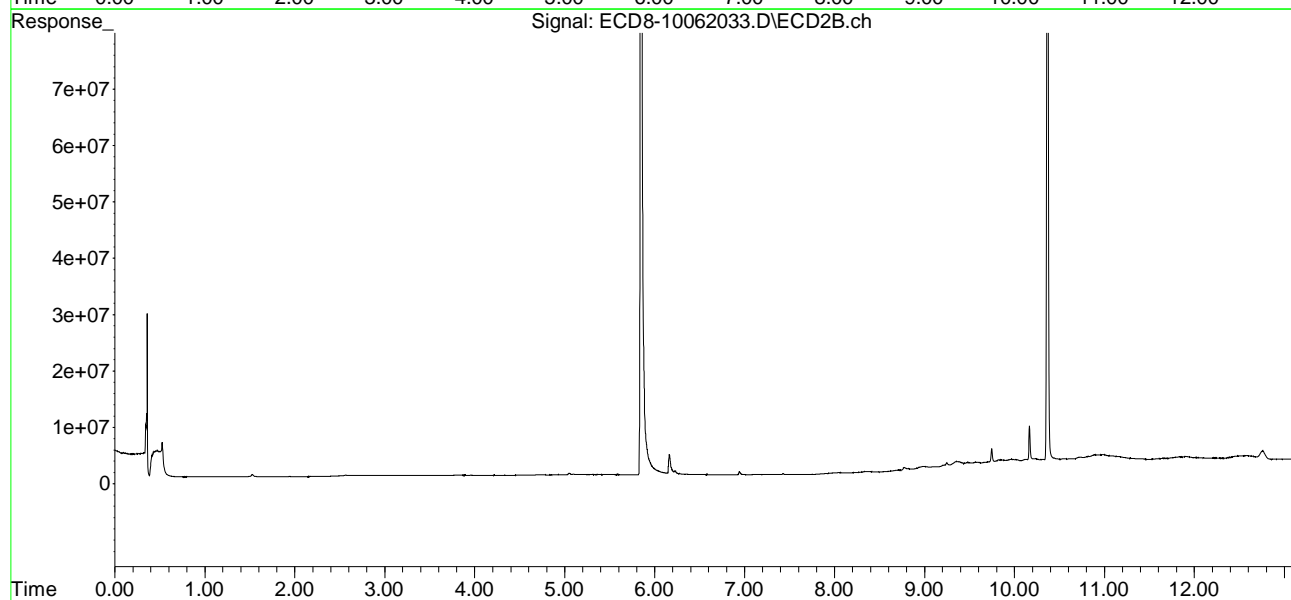
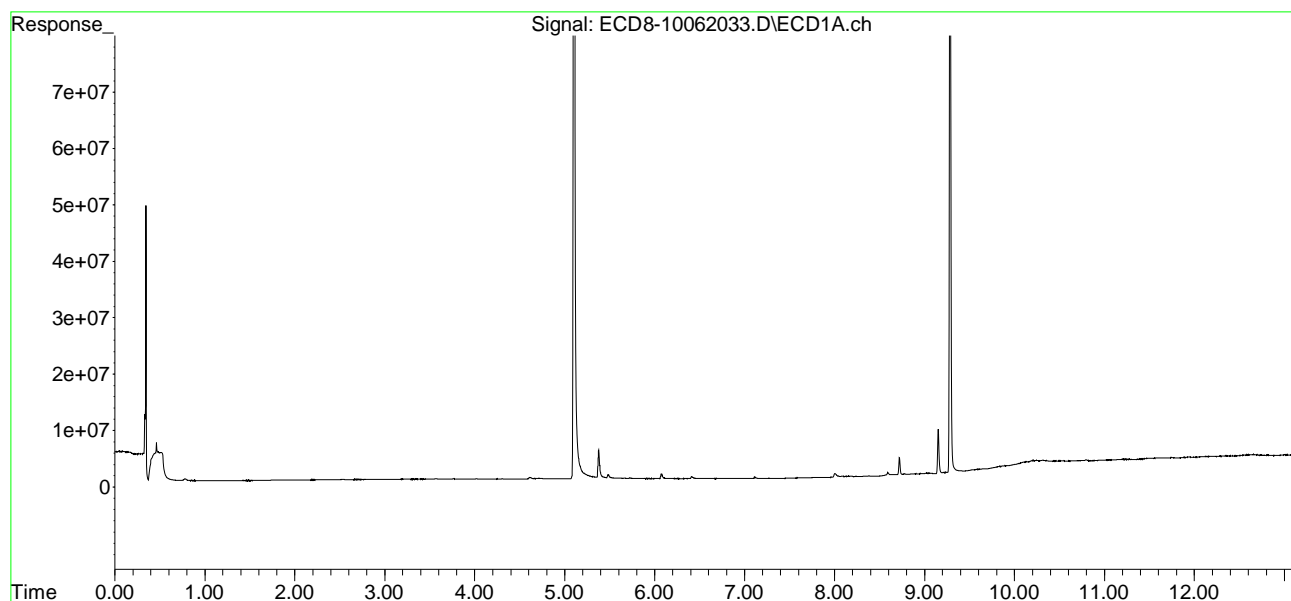
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.673	0.000	15712	0	BelowCal	N.D.
31)	Mirex	8.332	9.522	31657	1118698	14904.442	0.118 #
32)	Chlordane...	7.458f	8.207	5757	65428	0.013	0.148 #
33)	Chlordane...	7.506	8.353	6486	175053	0.012	0.470 #
34)	Chlordane...	8.065	8.992	107342	746444	0.740	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.342f	8.405	16666	132364	0.969	4.378 #
37)	Toxaphene...	7.612	8.774	9104	686052	125255.169	17.458 #
38)	Toxaphene...	7.904	8.774f	11609	686052	0.154	10.849 #
39)	Toxaphene...	8.155	8.872	82936	375622	BelowCal	BelowCal
40)	Toxaphene...	8.378	9.055	55800	598775	0.999	10.546 #
41)	Toxaphene...	8.480f	0.000	8098	0	0.105	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:29
Operator : MJB
Sample : 0J06051-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:52:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:46
 Operator : MJB
 Sample : A0I0556-20RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

R-04

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:54:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 10/7/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.103	5.846	86056172	87509999	23.056	24.929
22) S DCBP (S)	9.282	10.365	64823748	60904191	21.183	28.715 #
Target Compounds						
2) a-BHC	5.645	6.456	377192	1494596	0.077	0.379 #
3) g-BHC	5.925	6.751	981911	2341320	0.222	0.604 #
4) b-BHC	6.010	6.840	2994151	2503404	1.508	1.328
5) Heptachlor	6.328	7.143	6855571	2014298	1.619	0.495 #
6) d-BHC	6.121f	7.100	1580781	2415448	0.383	0.669 #
7) Aldrin	6.569	7.402	1436946	2611362	0.329	0.705 #
8) Heptachlo...	7.014	7.838	1682244	2111536	0.415	0.577 #
9) trans-Chl...	7.149f	7.975	2750078	3242630	0.665	0.875 #
10) cis-Chlor...	7.223	8.103	3862801	3853347	0.942	1.086
11) Endosulfa...	7.323	8.137	185463	2572459	0.049	0.777 #
12) 4,4'-DDE	7.268f	8.201	1091219	4987229	0.267	1.468 # P-01
13) Dieldrin	7.506f	8.313	1135103	19436963	0.268	5.285 #
14) Endrin	7.639	8.563	23436133	2871160	7.751	1.154 #
15) 4,4'-DDD	7.692	8.601	1708178	3813404	0.511	1.339 # P-01
16) Endosulfa...	7.806	8.697	289850	4839652	0.090	1.650 #
17) 4,4'-DDT	7.907	8.837	1948341	3547249	0.631	1.361 # P-01
18) Endrin Al...	8.098	8.952	831157	3691412	0.252	1.297 #
19) Endosulfa...	8.377	9.143	65271363	10929248	22.536	4.516 #
20) Methoxychlor	8.250	9.330	14791888	11501056	9.760	7.756
21) Endrin Ke...	8.581	9.523	983199	8170288	0.425	4.841 #
23) Hexachlor...	2.867f	3.560	576139	1927012	BelowCal	0.294
24) Hexachlor...	5.480	6.300	1486386	1802621	0.189	0.319 #
25) Oxychlorane	6.988f	7.758	1985946	13431828	0.397	4.421 #
26) 2,4'-DDE	7.014f	7.975	1635467	3242630	0.460m	1.266 # P-01
27) trans-Non...	7.223	8.056	3862801	3556610	0.796	0.867
28) 2,4'-DDD	7.402	8.313f	2453227	19436963	0.903	9.679 # P-01
29) 2,4'-DDT	7.569	8.563	1653639	2871160	0.531	1.223 # P-01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:46
 Operator : MJB
 Sample : A0I0556-20RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:54:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

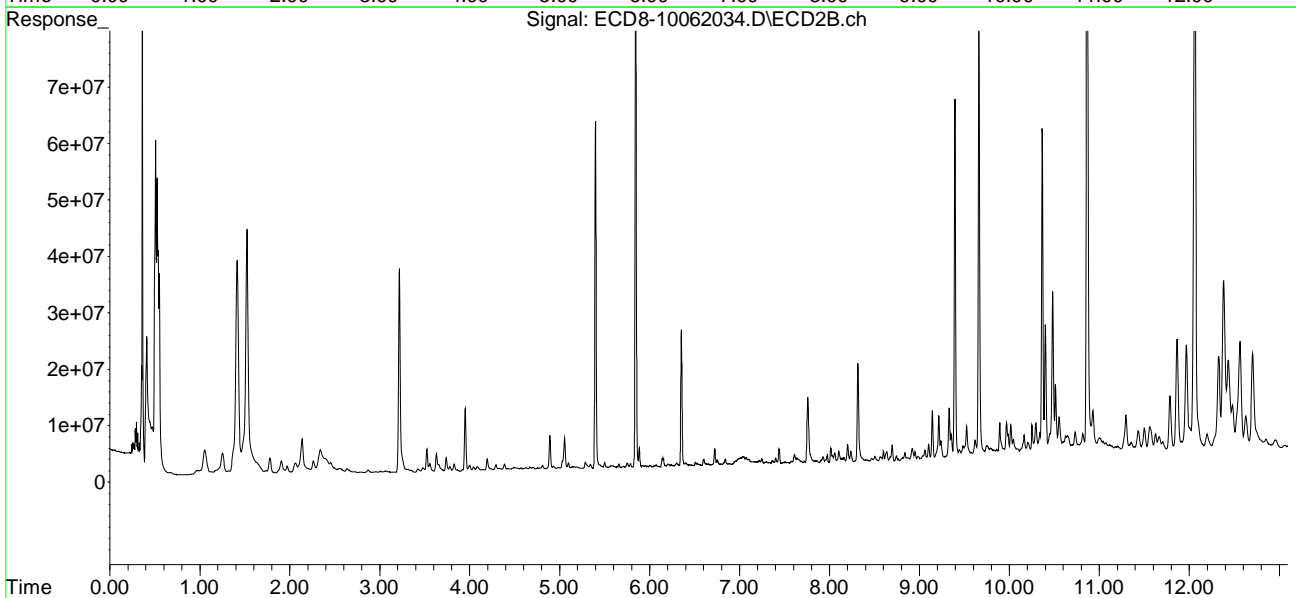
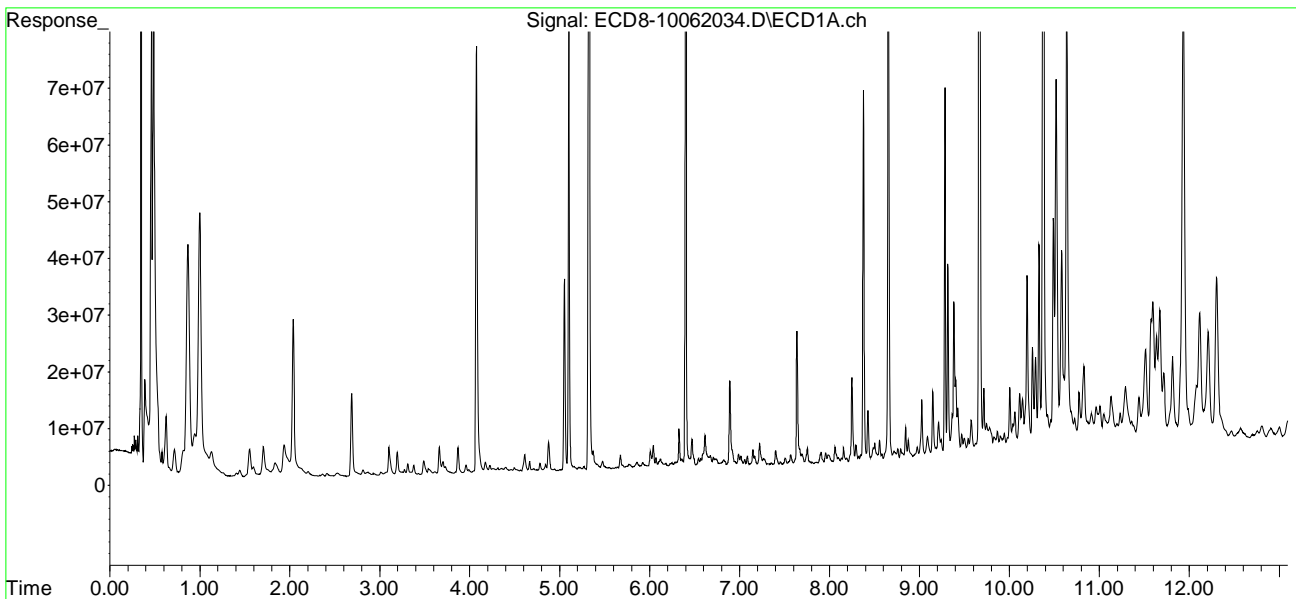
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.692	8.601	1708178	3813404	0.237	0.906 #
31)	Mirex	8.325	9.523	821669	8170288	0.028	3.461 #
32)	Chlordane...	7.454f	8.236	434245	3770820	0.960	8.535 #
33)	Chlordane...	7.506	8.313f	1135103	19436963	2.063	52.218 #
34)	Chlordane...	8.059	8.982	2703092	2854050	18.637	17.052
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.323	8.422	185463	2236330	10.781	73.960 #
37)	Toxaphene...	7.639f	8.767	23436133	2395649	722.610	60.963 #
38)	Toxaphene...	7.907	8.837f	1948341	3547249	25.858	56.095 #
39)	Toxaphene...	8.156	8.867	2588010	2628730	33.852	21.715 #
40)	Toxaphene...	8.377	9.062	65271363	3979255	1168.665	70.087 #
41)	Toxaphene...	8.428	9.442	8831084	4000285	114.873	61.783 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

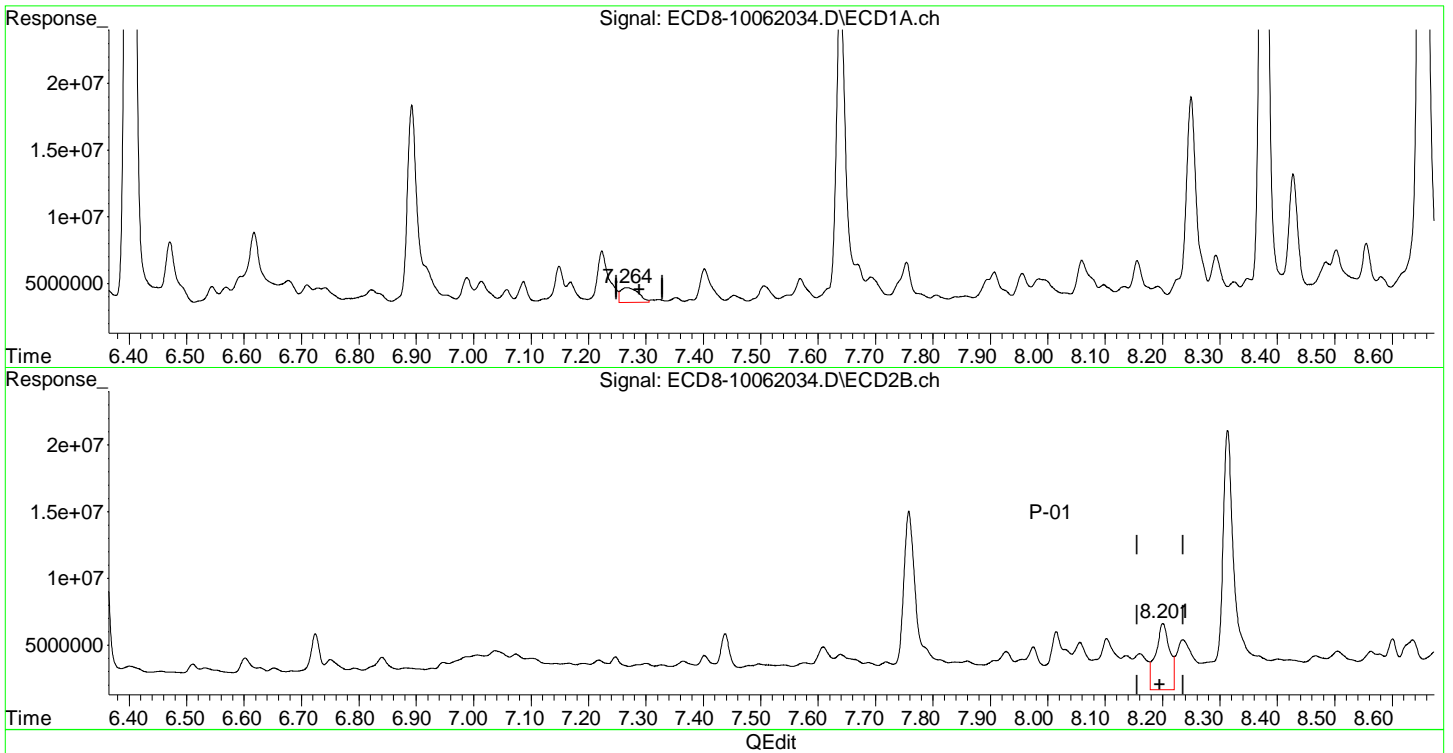
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.268min 0.267 ng/mL
response 1091219

MJB 10/7/20

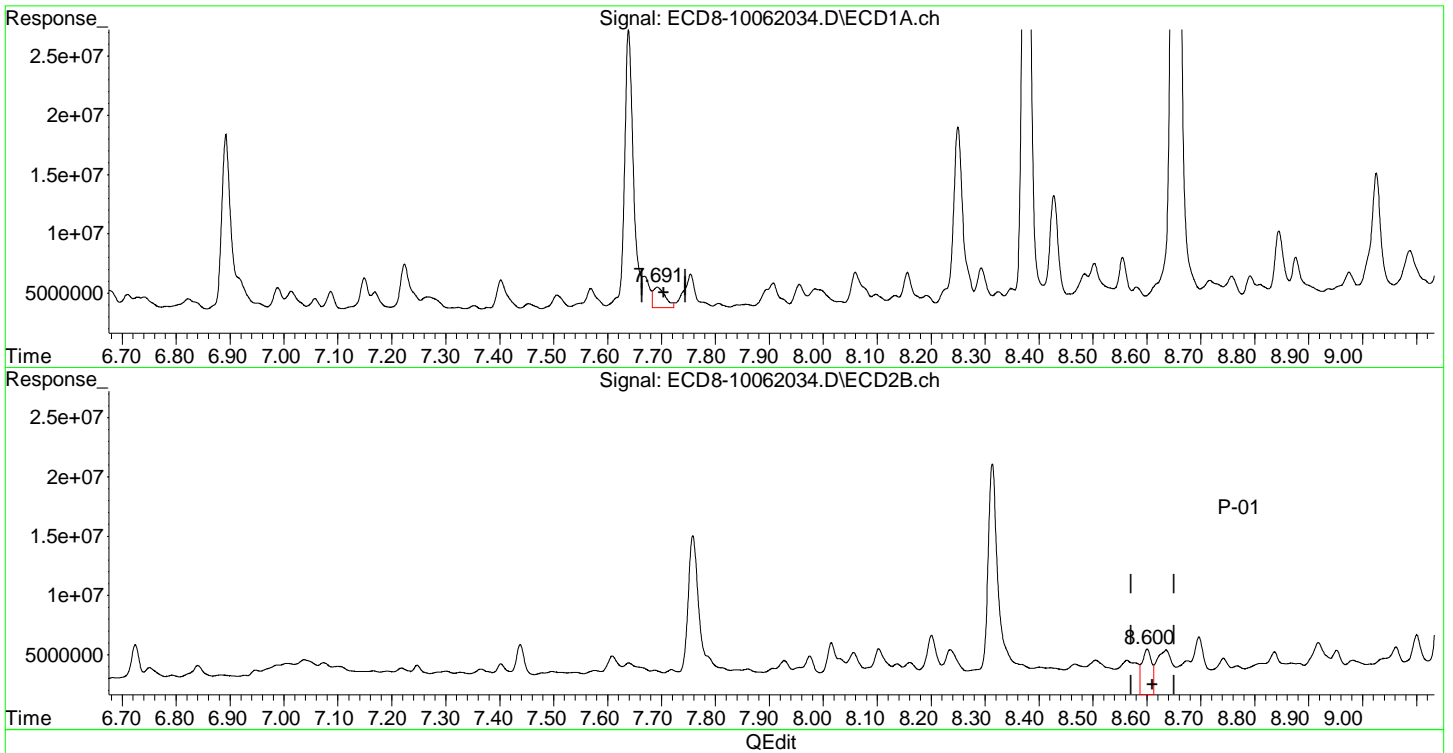
(12) 4,4'-DDE #2
8.201min 1.468 ng/mL
response 4987229

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.692min 0.511 ng/mL
response 1708178

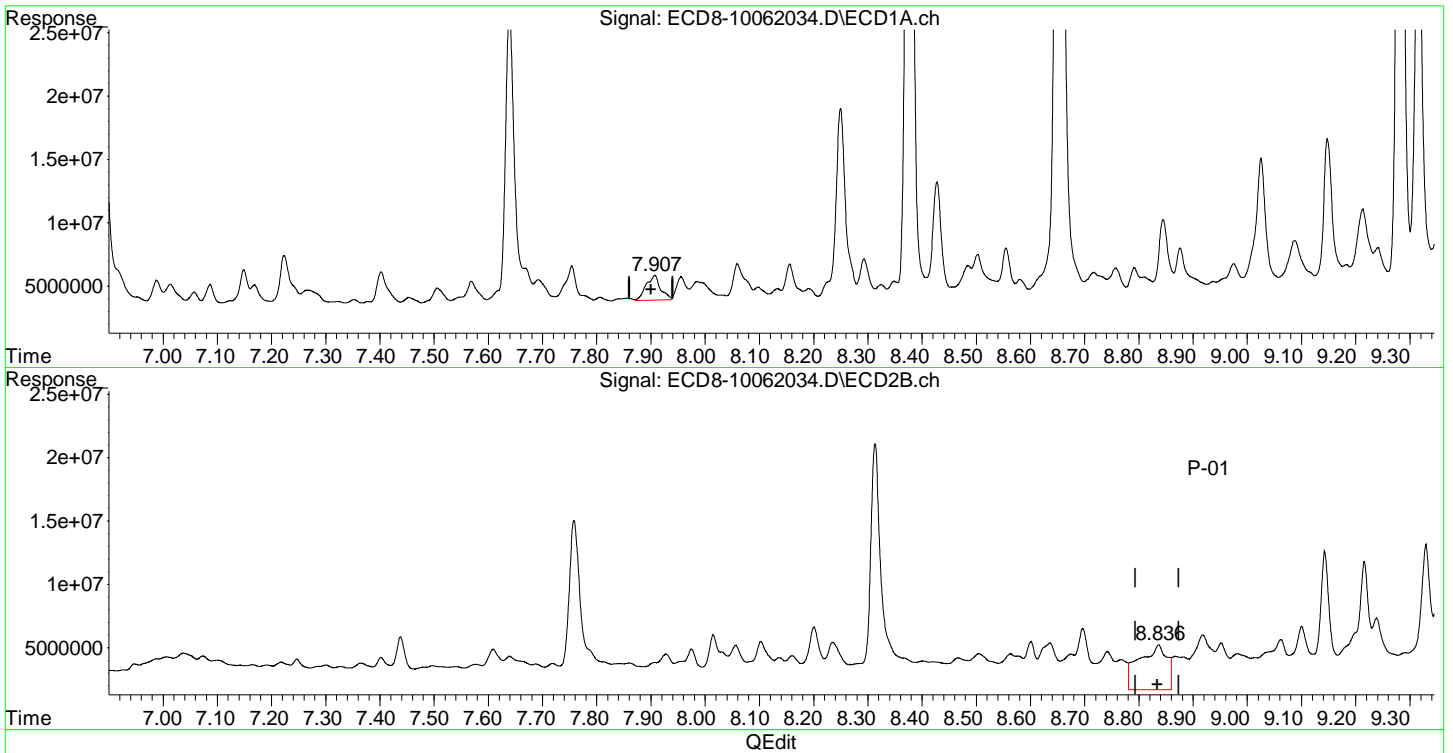
MJB 10/7/20

(15) 4,4'-DDD #2
8.601min 1.339 ng/mL
response 3813404

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.907min 0.631 ng/mL
response 1948341

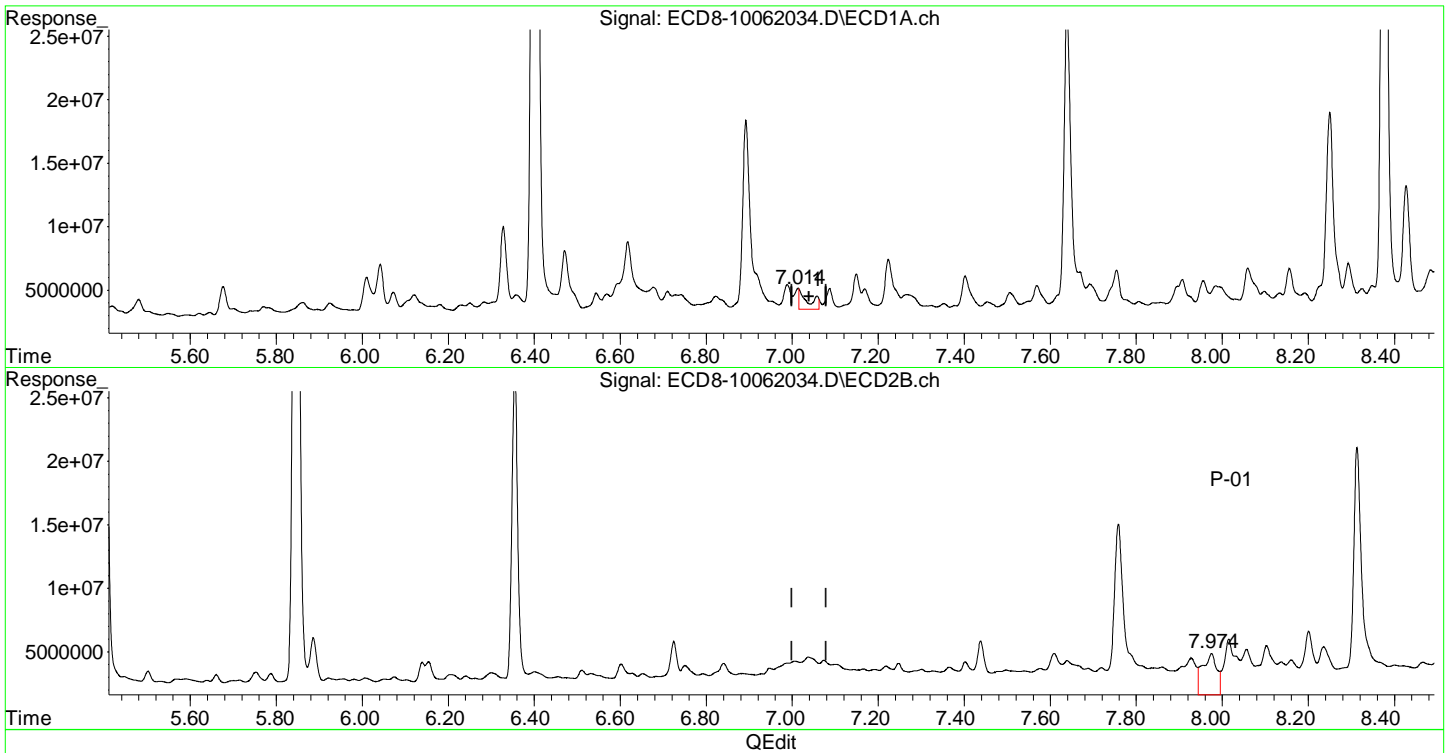
MJB 10/7/20

(17) 4,4'-DDT #2
8.837min 1.361 ng/mL
response 3547249

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.014min 0.460 ng/mL m
response 1635467

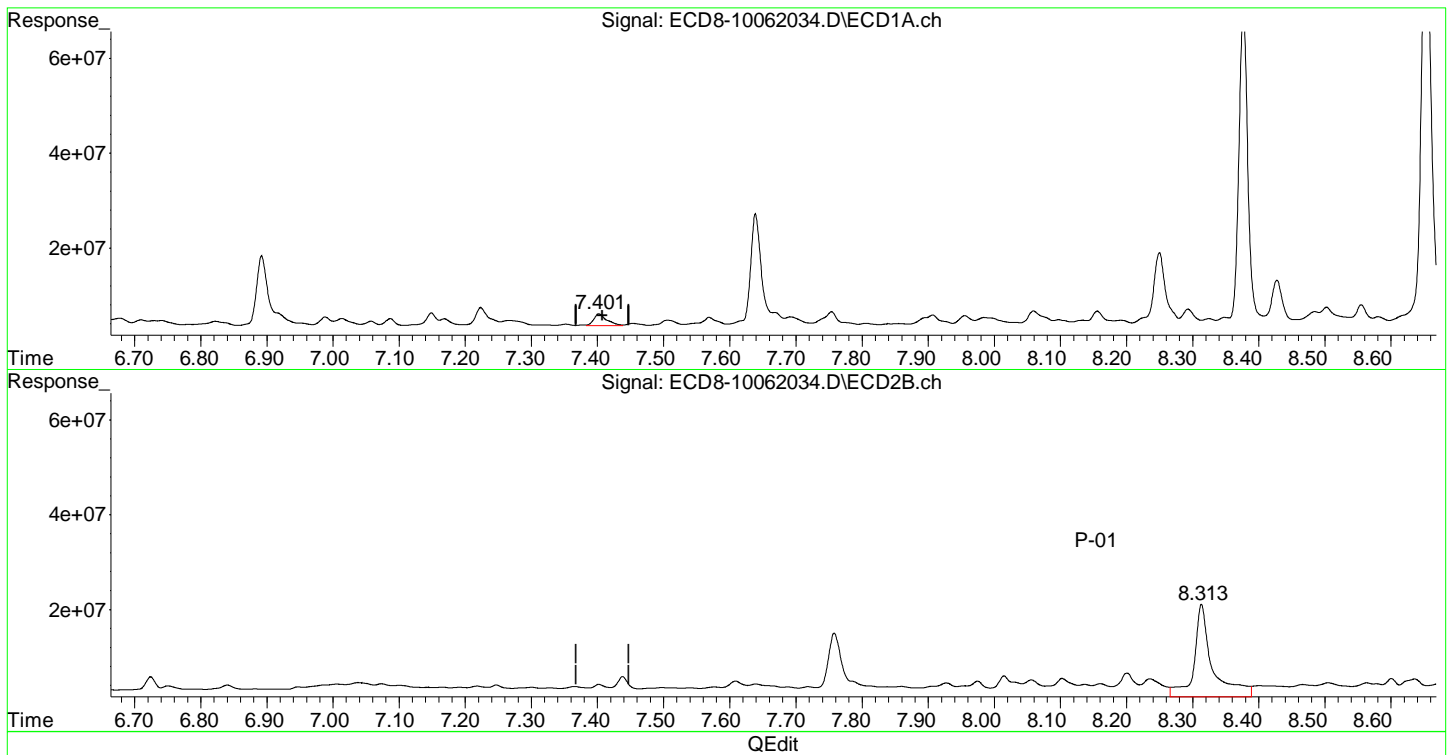
MJB 10/7/20

(26) 2,4'-DDE #2
7.975min 1.266 ng/mL
response 3242630

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.402min 0.903 ng/mL
response 2453227

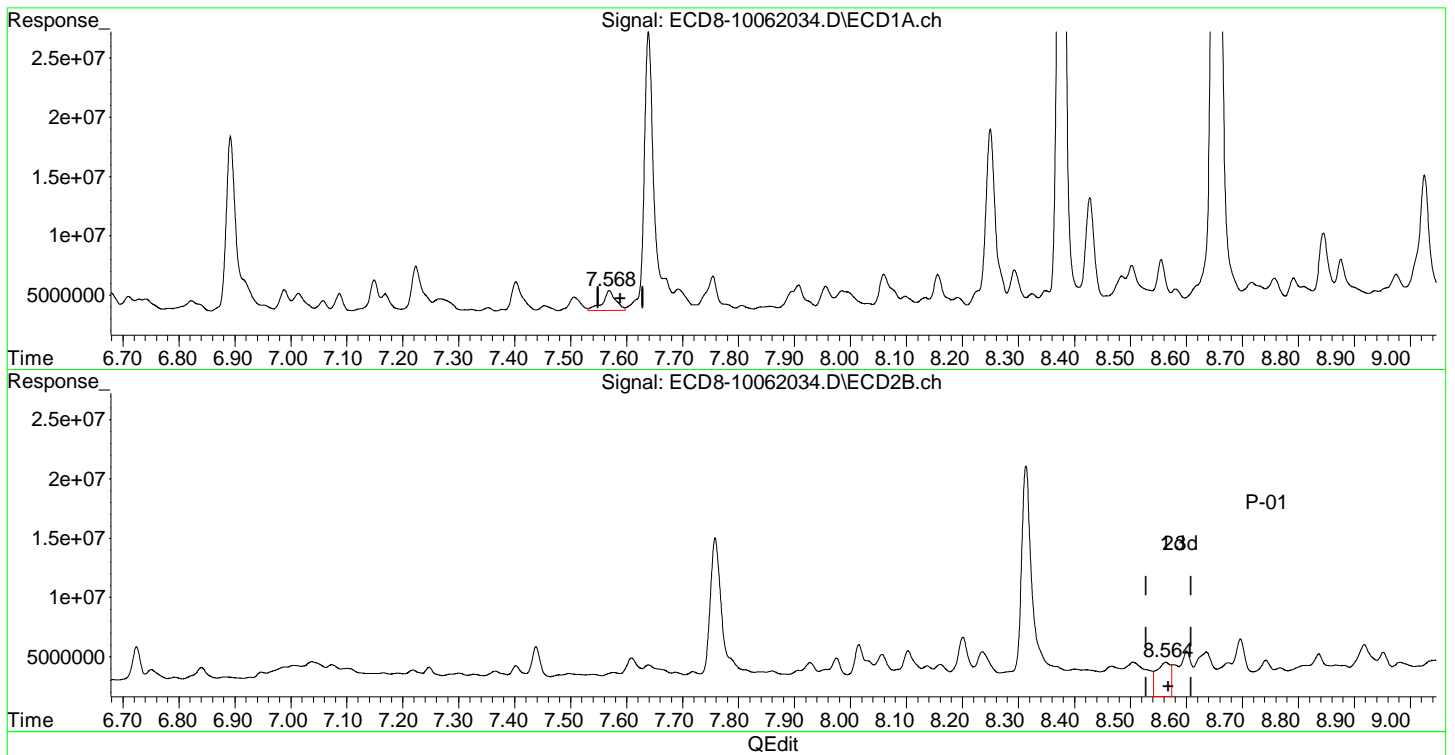
MJB 10/7/20

(28) 2,4'-DDD #2
8.313min 9.679 ng/mL
response 19436963

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.569min 0.531 ng/mL
response 1653639

MJB 10/7/20

(29) 2,4'-DDT #2
8.563min 1.223 ng/mL
response 2871160

MI

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:46
 Operator : MJB
 Sample : A0I0556-20RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:54:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.103	5.846	86056172	87509999	23.056	24.929
22) S DCBP (S)	9.282	10.365	64823748	60904191	21.183	28.715 #
Target Compounds						
2) a-BHC	5.645	6.456	377192	1494596	0.077	0.379 #
3) g-BHC	5.925	6.751	981911	2341320	0.222	0.604 #
4) b-BHC	6.010	6.840	2994151	2503404	1.508	1.328
5) Heptachlor	6.328	7.143	6855571	2014298	1.619	0.495 #
6) d-BHC	6.121f	7.100	1580781	2415448	0.383	0.669 #
7) Aldrin	6.569	7.402	1436946	2611362	0.329	0.705 #
8) Heptachlo...	7.014	7.838	1682244	2111536	0.415	0.577 #
9) trans-Chl...	7.149f	7.975	2750078	3242630	0.665	0.875 #
10) cis-Chlor...	7.223	8.103	3862801	3853347	0.942	1.086
11) Endosulfa...	7.323	8.137	185463	2572459	0.049	0.777 #
12) 4,4'-DDE	7.268f	8.201	1091219	4987229	0.267	1.468 #
13) Dieldrin	7.506f	8.313	1135103	19436963	0.268	5.285 #
14) Endrin	7.639	8.563	23436133	2871160	7.751	1.154 #
15) 4,4'-DDD	7.692	8.601	1708178	3813404	0.511	1.339 #
16) Endosulfa...	7.806	8.697	289850	4839652	0.090	1.650 #
17) 4,4'-DDT	7.907	8.837	1948341	3547249	0.631	1.361 #
18) Endrin Al...	8.098	8.952	831157	3691412	0.252	1.297 #
19) Endosulfa...	8.377	9.143	65271363	10929248	22.536	4.516 #
20) Methoxychlor	8.250	9.330	14791888	11501056	9.760	7.756
21) Endrin Ke...	8.581	9.523	983199	8170288	0.425	4.841 #
23) Hexachlor...	2.867f	3.560	576139	1927012	BelowCal	0.294
24) Hexachlor...	5.480	6.300	1486386	1802621	0.189	0.319 #
25) Oxychlorane	6.988f	7.758	1985946	13431828	0.397	4.421 #
26) 2,4'-DDE	7.058	7.975	1044749	3242630	0.229	1.266 #
27) trans-Non...	7.223	8.056	3862801	3556610	0.796	0.867
28) 2,4'-DDD	7.402	8.313f	2453227	19436963	0.903	9.679 #
29) 2,4'-DDT	7.569	8.563	1653639	2871160	0.531	1.223 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 21:46
 Operator : MJB
 Sample : A0I0556-20RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 11:54:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

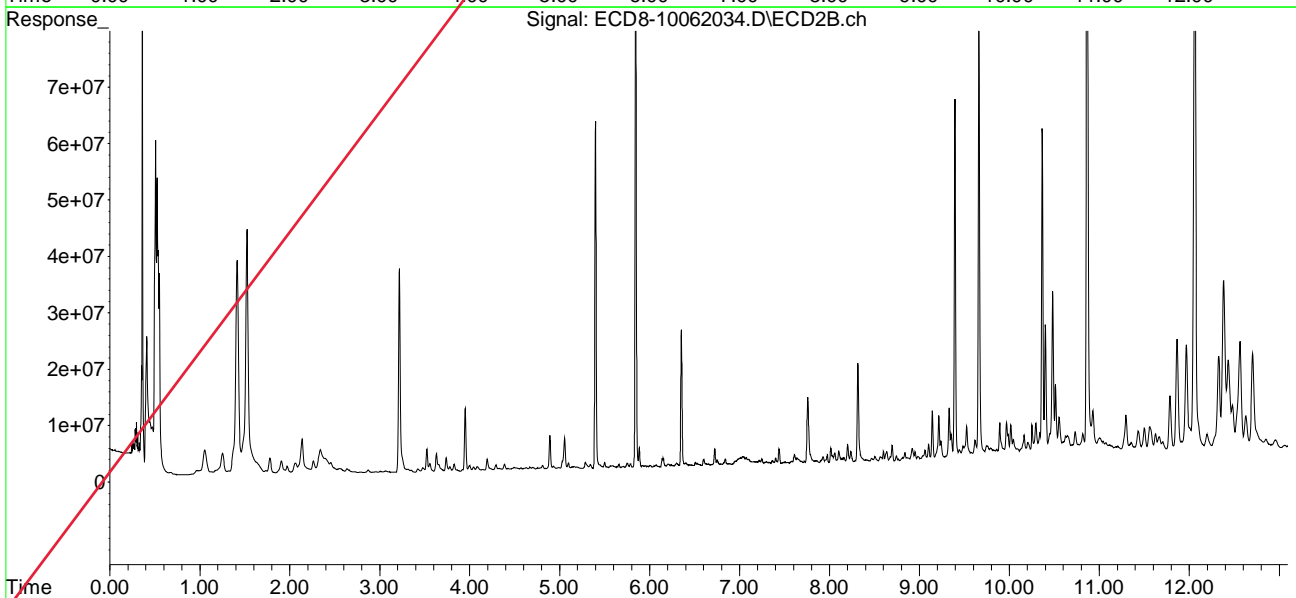
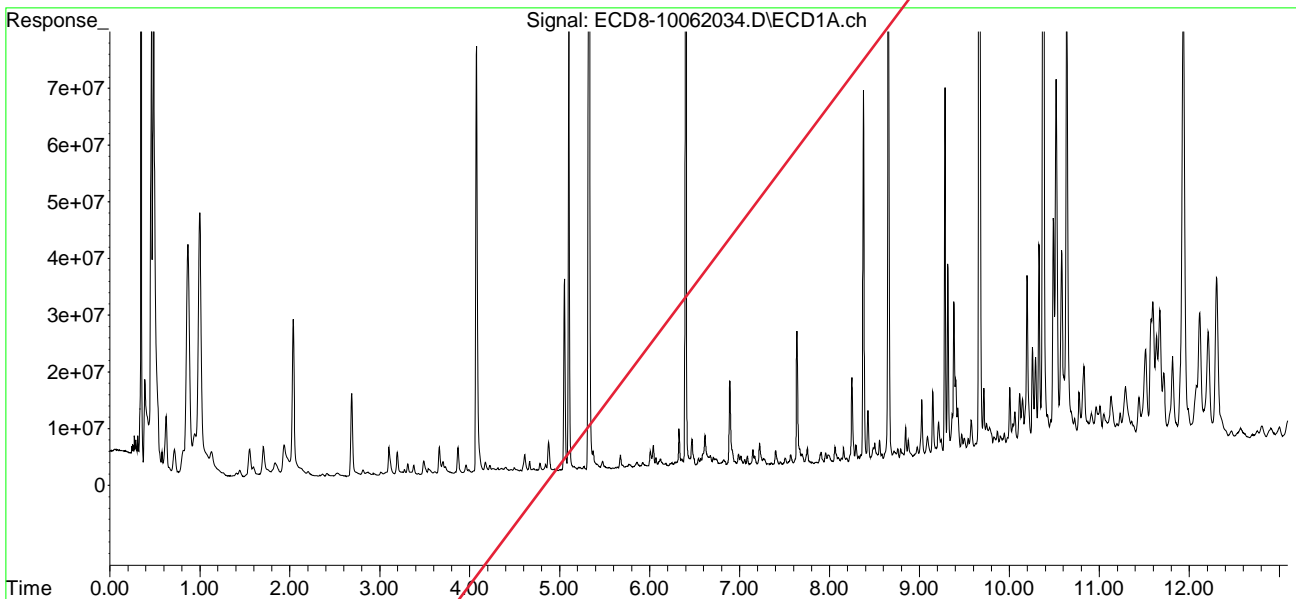
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.692	8.601	1708178	3813404	0.237	0.906 #
31)	Mirex	8.325	9.523	821669	8170288	0.028	3.461 #
32)	Chlordane...	7.454f	8.236	434245	3770820	0.960	8.535 #
33)	Chlordane...	7.506	8.313f	1135103	19436963	2.063	52.218 #
34)	Chlordane...	8.059	8.982	2703092	2854050	18.637	17.052
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.323	8.422	185463	2236330	10.781	73.960 #
37)	Toxaphene...	7.639f	8.767	23436133	2395649	722.610	60.963 #
38)	Toxaphene...	7.907	8.837f	1948341	3547249	25.858	56.095 #
39)	Toxaphene...	8.156	8.867	2588010	2628730	33.852	21.715 #
40)	Toxaphene...	8.377	9.062	65271363	3979255	1168.665	70.087 #
41)	Toxaphene...	8.428	9.442	8831084	4000285	114.873	61.783 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 21:46
Operator : MJB
Sample : A0I0556-20RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 11:54:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 22:23
 Operator : MJB
 Sample : A0I0556-21RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:01:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.105	5.848	93516141	94976404	25.055	27.056
22) S DCBP (S)	9.280	10.363	82884836	74829382	27.139	35.130 # S-04
Target Compounds						
2) a-BHC	5.612f	6.448	2589998	1516537	0.526	0.384 #
3) g-BHC	5.925	6.750	2791910	2934282	0.631	0.757
4) b-BHC	6.009	6.849	4451714	3458402	2.242	1.834
5) Heptachlor	6.330	7.143	20646502	2742215	4.877	0.686 #
6) d-BHC	6.171f	7.074	5490405	4454073	1.331	1.205
7) Aldrin	6.571	7.404	4227874	3403423	0.969	0.921
8) Heptachlo...	7.035	7.826	89386645	5619194	22.074	1.535 #
9) trans-Chl...	7.119	7.967	11994295	102.7E6	2.899	27.704 #
10) cis-Chlor...	7.221	8.087	27527348	7491238	6.712	2.111 #
11) Endosulfa...	7.282f	8.143	117.4E6	11064421	31.115	3.340 #
12) 4,4'-DDE	7.282	8.201	117.4E6	623.2E6	28.717	144.441 # P-11
13) Dieldrin	7.489	8.341	6851011	223.3E6	1.620	60.725 #
14) Endrin	7.639	8.568	35705822	9331240	11.809	3.809 #
15) 4,4'-DDD	7.699	8.605	1016.3E6	1151.3E6	304.282	274.220 RR-2
16) Endosulfa...	7.806	8.696	4799596	32466350	1.484	11.066 #
17) 4,4'-DDT	7.896	8.830	635.3E6	656.4E6	205.594	181.811
18) Endrin Al...	8.106f	8.965f	5352668	7275022	1.626	2.556 #
19) Endosulfa...	8.377	9.143	57579472	15483220	19.880	6.398 #
20) Methoxychlor	8.250	9.329	20741018	17398511	13.686	11.734
21) Endrin Ke...	8.581	9.523	6216011	12262046	2.689	7.281 #
23) Hexachlor...	2.884	3.561	425726	2079045	BelowCal	0.335
24) Hexachlor...	5.484	6.309	3368752	3584205	0.720	0.861
25) Oxychlorane	6.936	7.759	5171017	31442895	1.329	10.592 #
26) 2,4'-DDE	7.035	7.967	89386645	102.7E6	34.492	43.840 #
27) trans-Non...	7.221	8.053	27527348	12291623	7.103	3.609 #
28) 2,4'-DDD	7.401	8.341	240.3E6	223.3E6	105.493	101.104
29) 2,4'-DDT	7.582	8.568	15672064	9331240	6.570	4.405 # R-02

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 22:23
 Operator : MJB
 Sample : A0I0556-21RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:01:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

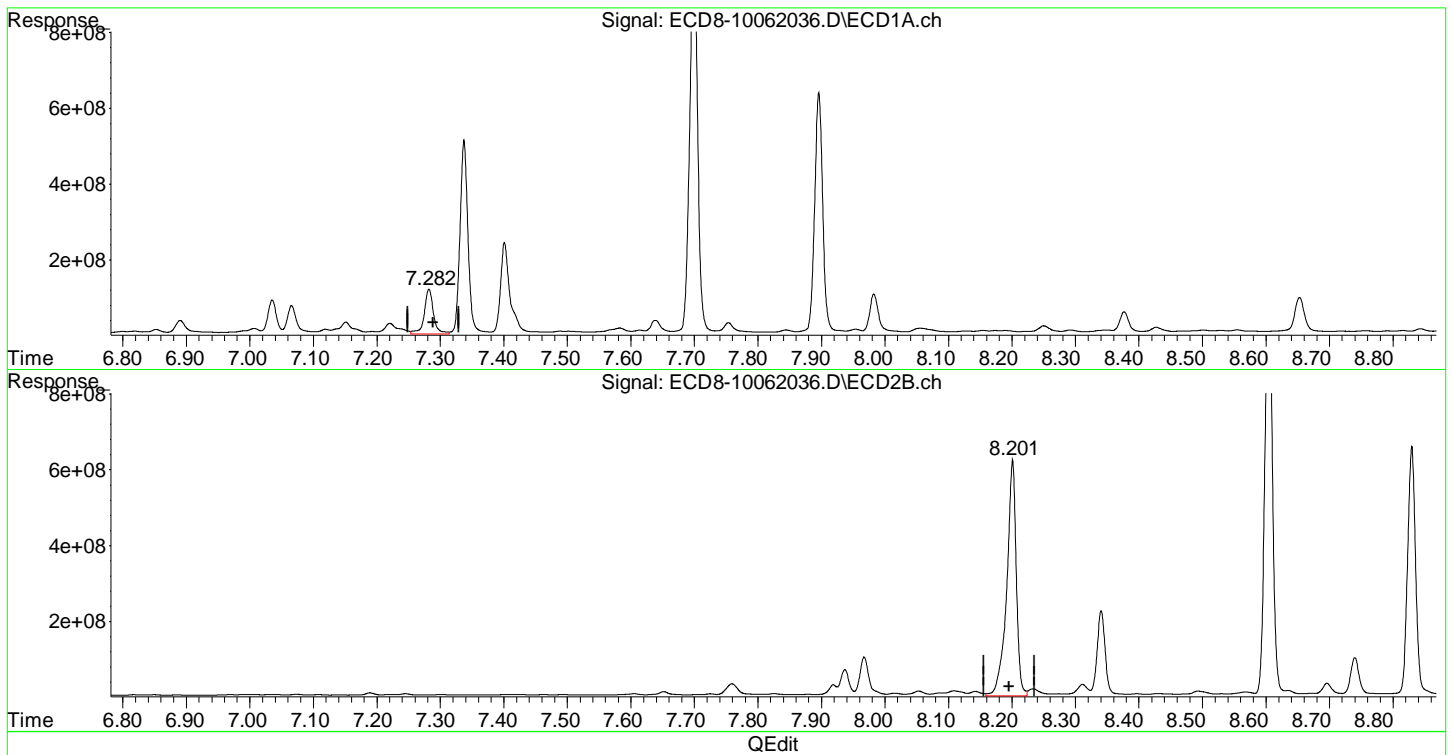
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.699f	8.605	1016.3E6	1151.3E6	241.353	252.686
31)	Mirex	8.349	9.523	9002538	12262046	3.157	5.392 #
32)	Chlordane...	7.401f	8.233	240.3E6	18225178	531.071	41.251 #
33)	Chlordane...	7.502f	8.341	6701468	223.3E6	12.180	599.987 #
34)	Chlordane...	8.056	8.993	14911333	6757123	102.810	53.624 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.337	8.430	512.1E6	5662352	29769.261	187.265 #
37)	Toxaphene...	7.614	8.740f	9379751	100.2E6	286.326	2550.365 #
38)	Toxaphene...	7.896	8.830f	635.3E6	656.4E6	8431.075	10380.380
39)	Toxaphene...	8.155	8.886	8247938	6651887	118.357	65.536 #
40)	Toxaphene...	8.377	9.062	57579472	7814936	1030.944	137.646 #
41)	Toxaphene...	8.428	9.440	16928594	6187770	220.205	95.567 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 22:23
Operator : MJB
Sample : A0I0556-21RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:01:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.282min 28.717 ng/mL
response 117398740

MJB 10/7/20

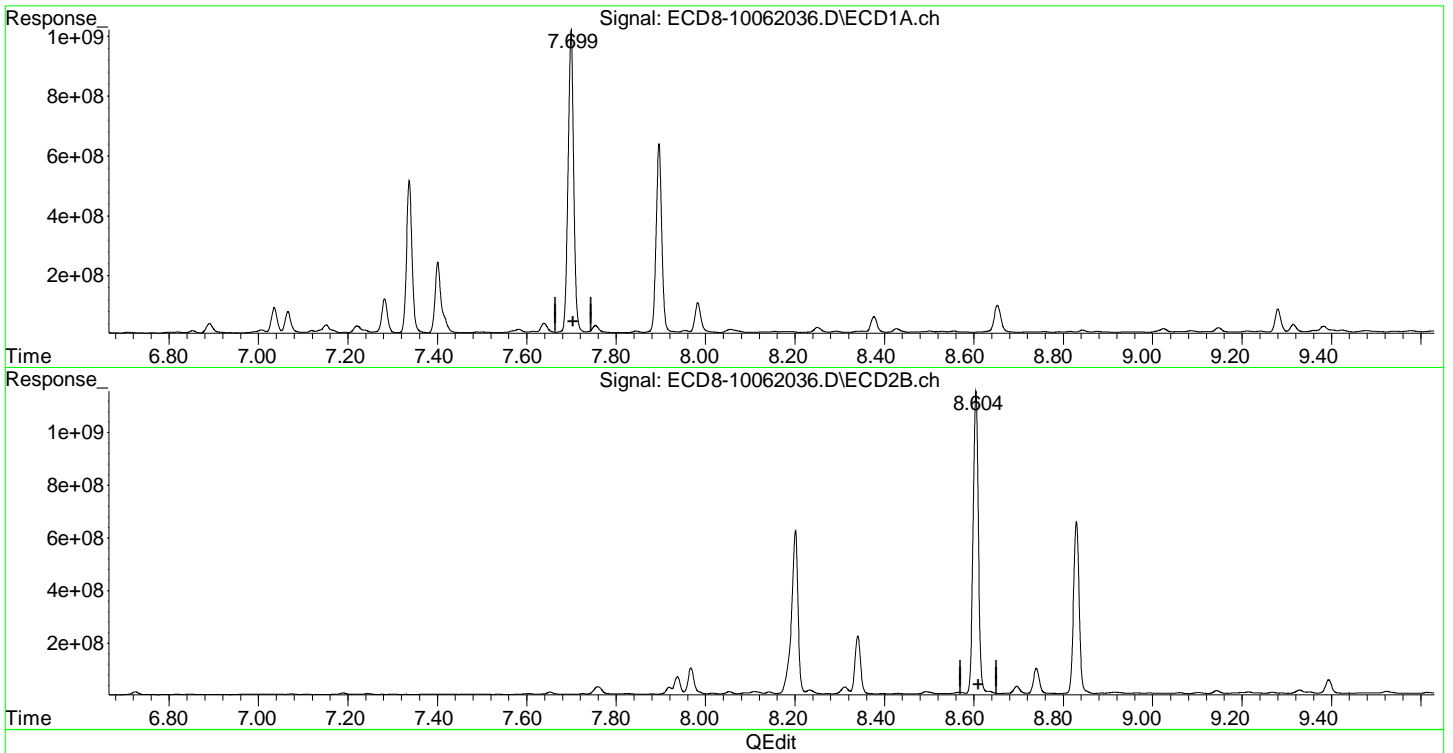
P-11

(12) 4,4'-DDE #2
8.201min 144.441 ng/mL
response 623187159

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 22:23
Operator : MJB
Sample : A0I0556-21RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:01:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.699min 304.282 ng/mL
response 1016285532

MJB 10/7/20

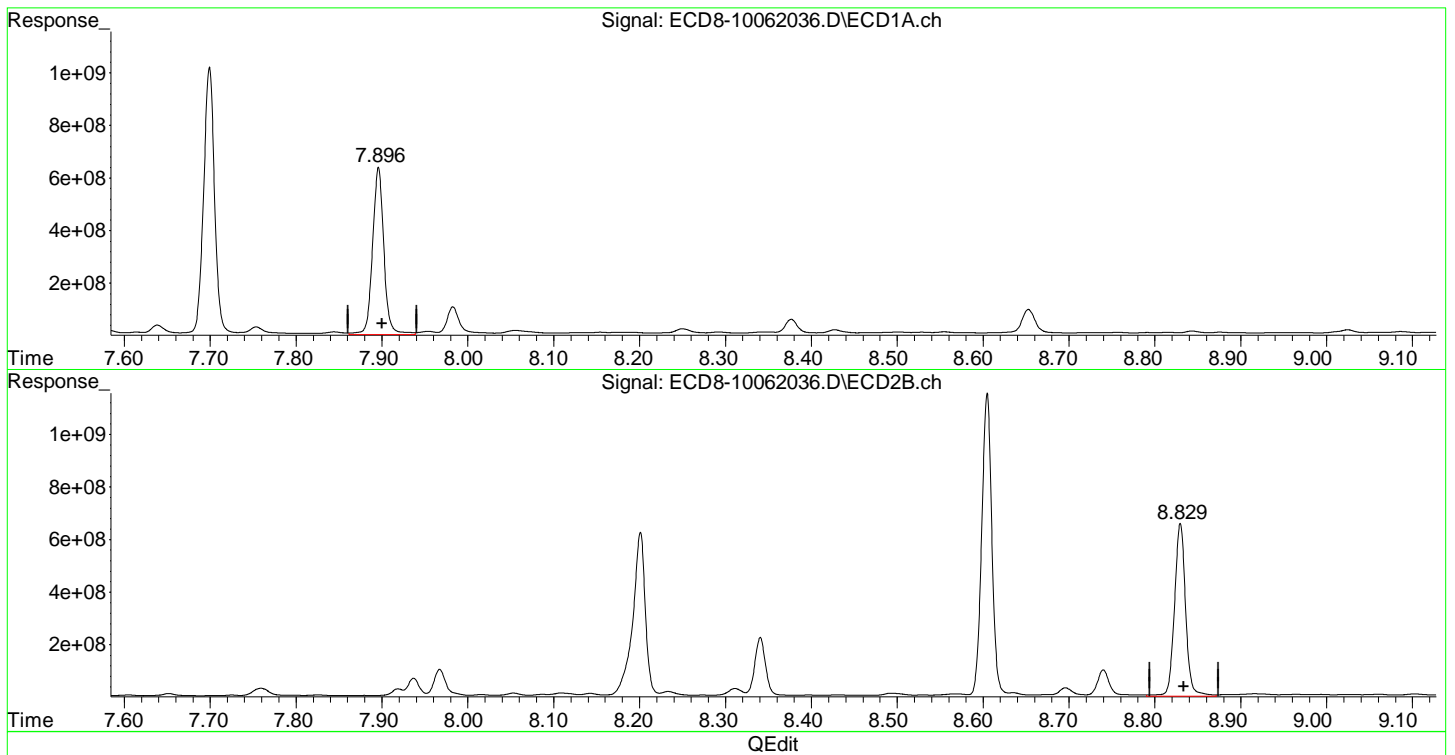
RR-2

(15) 4,4'-DDD #2
8.605min 274.220 ng/mL
response 1151260958

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 22:23
Operator : MJB
Sample : A0I0556-21RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:01:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.896min 205.594 ng/mL
response 635271359

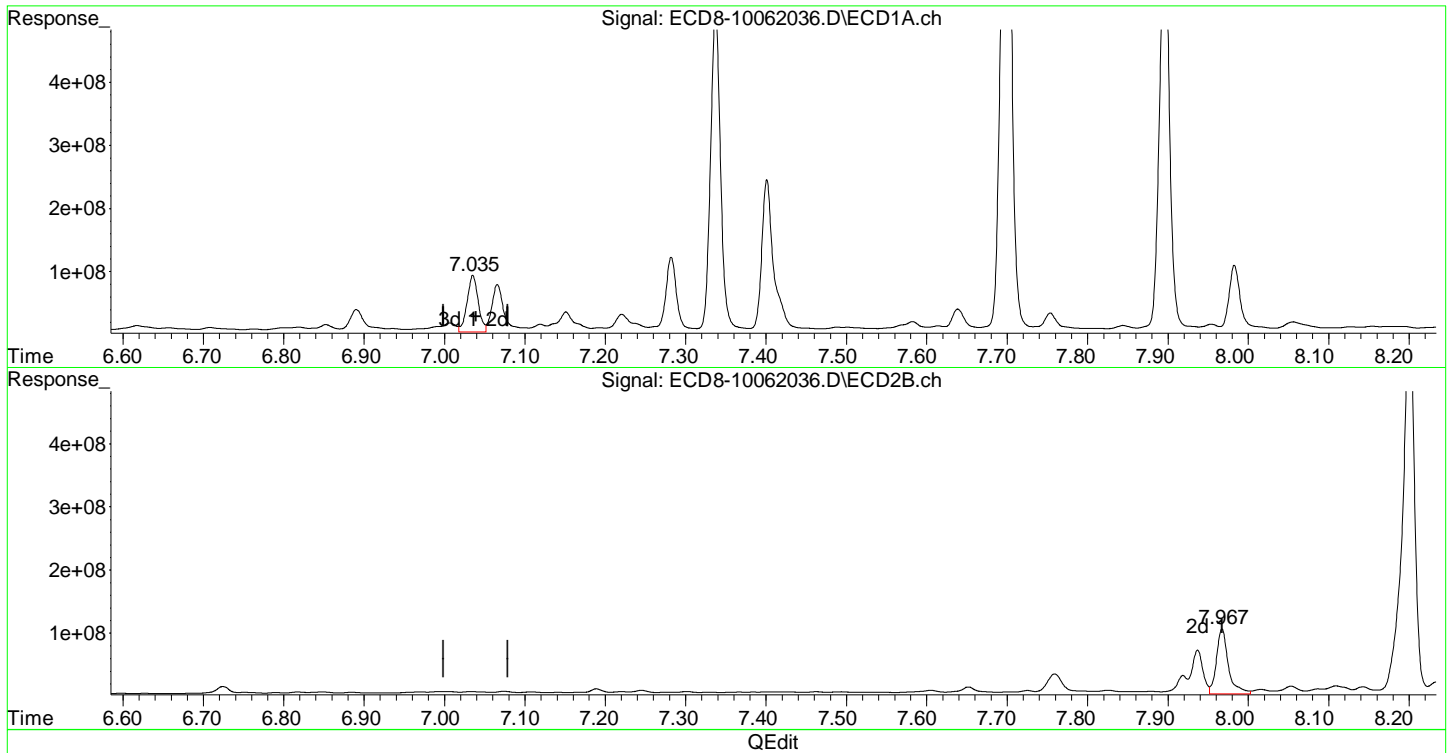
MJB 10/7/20

(17) 4,4'-DDT #2
8.830min 181.811 ng/mL
response 656420437

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 22:23
Operator : MJB
Sample : A0I0556-21RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:01:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.035min 34.492 ng/mL
response 89386645

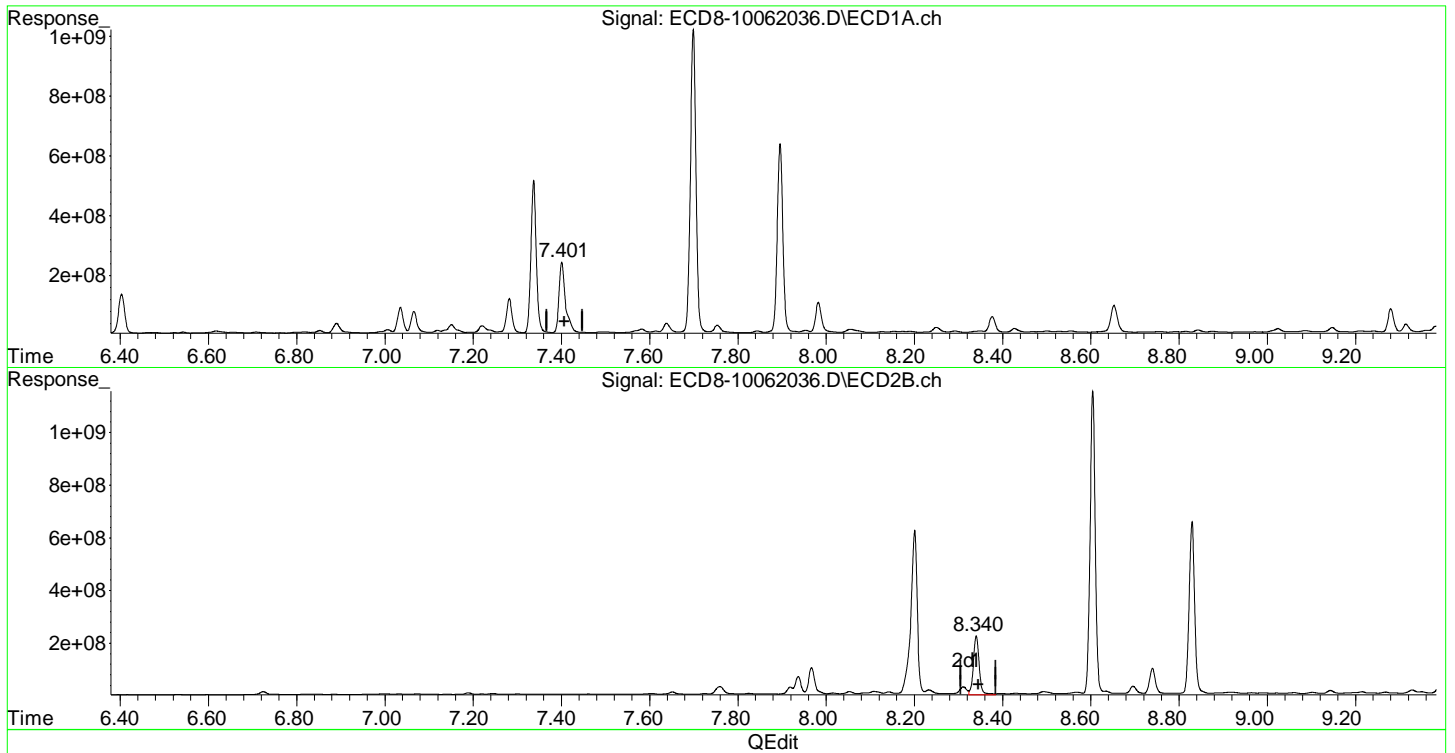
MJB 10/7/20

(26) 2,4'-DDE #2
7.967min 43.840 ng/mL
response 102651757

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 22:23
Operator : MJB
Sample : A0I0556-21RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:01:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.401min 105.493 ng/mL
response 240252054

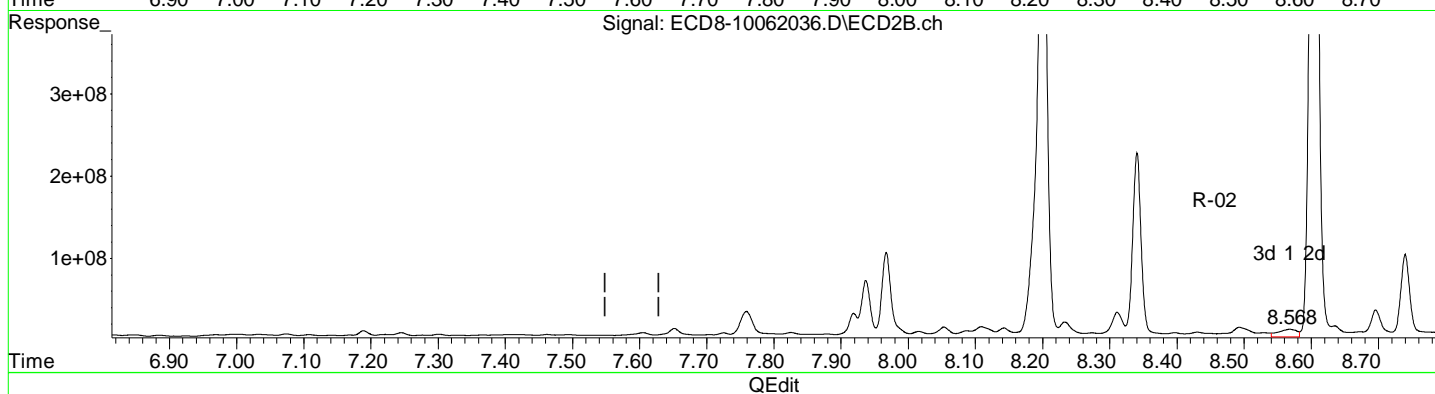
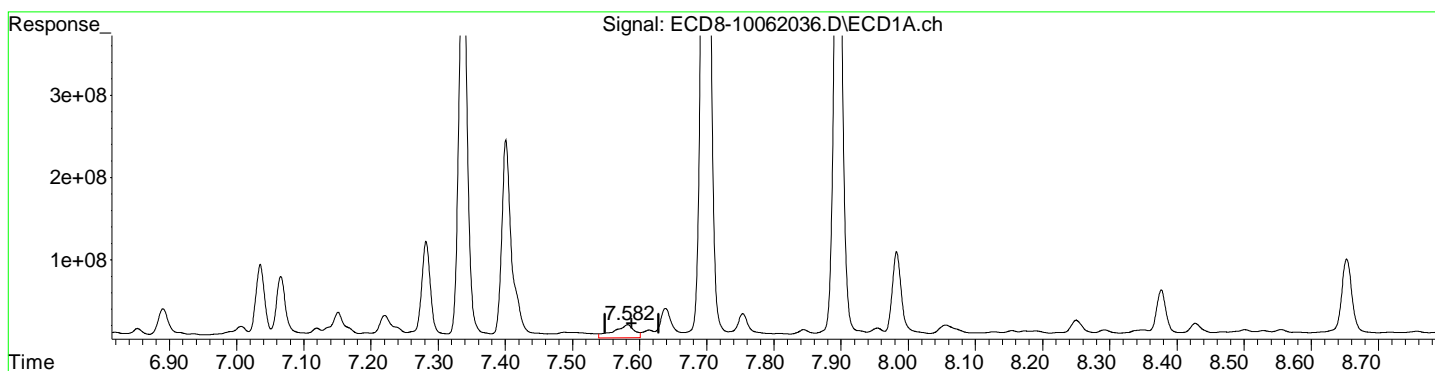
MJB 10/7/20

(28) 2,4'-DDD #2
8.341min 101.104 ng/mL
response 223332278

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 22:23
Operator : MJB
Sample : A0I0556-21RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:01:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.582min 6.570 ng/mL
response 15672064

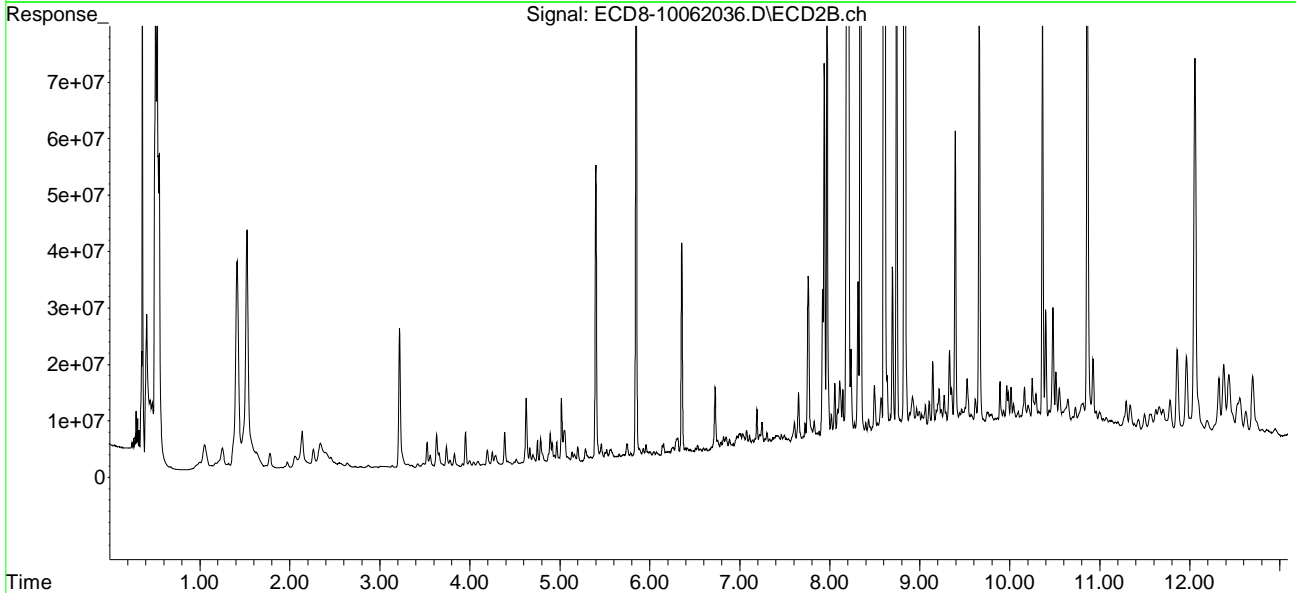
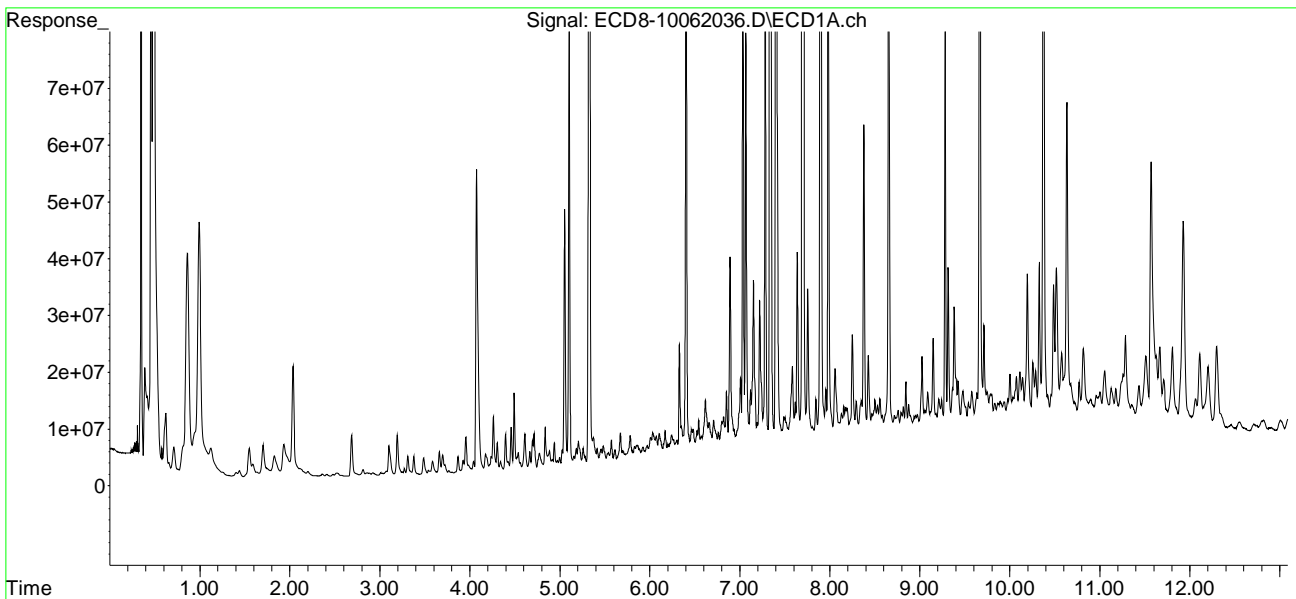
MJB 10/7/20

(29) 2,4'-DDT #2
8.568min 4.405 ng/mL
response 9331240

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 22:23
Operator : MJB
Sample : A0I0556-21RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:01:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:00
 Operator : MJB
 Sample : A0I0556-22RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:09:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.103	5.847	86817501	90522406	23.260	25.787
22) S DCBP (S)	9.279	10.362	75354407	68801128	24.656	32.362 #
Target Compounds						
2) a-BHC	5.612f	6.449	1383106	641411	0.281	0.186 #
3) g-BHC	5.926	6.750	1414022	2297642	0.320	0.593 #
4) b-BHC	6.007	6.839	3550667	1720189	1.788	0.912 #
5) Heptachlor	6.328	7.143	7319427	1329257	1.729	0.315 #
6) d-BHC	6.120f	7.072	2215477	2342361	0.537	0.649
7) Aldrin	6.542f	7.402	4981120	1699973	1.141	0.456 #
8) Heptachlo...	7.008	7.837	10323617	2121791	2.549	0.580 #
9) trans-Chl...	7.146f	7.971	5349474	4052486	1.293	1.094
10) cis-Chlor...	7.220	8.083	22751081	3485395	5.548	0.982 #
11) Endosulfa...	7.313	8.136	3073928	4157421	0.815	1.255 #
12) 4,4'-DDE	7.281	8.198	8447786	22184440	2.066	R-02 6.411 # P-01
13) Dieldrin	7.502f	8.310f	4231223	27281662	1.001	7.418 #
14) Endrin	7.638	8.553	35892736	4239868	11.871	1.718 #
15) 4,4'-DDD	7.696	8.602	16772919	14025742	5.022	4.876
16) Endosulfa...	7.804	8.695	2926440	24091113	0.905	8.212 #
17) 4,4'-DDT	7.905	8.842	6587049	4735807	2.132	1.821m MDL=MRL
18) Endrin Al...	8.058f	8.951	12060964	4682754	3.663	1.645 #
19) Endosulfa...	8.375	9.142	66296885	12527190	22.890	5.178 #
20) Methoxychlor	8.248	9.327	18683297	12463961	12.328	8.406 #
21) Endrin Ke...	8.578	9.522	4179441	8280683	1.808	4.907 #
23) Hexachlor...	2.862f	3.561	465967	2462894	BelowCal	0.439
24) Hexachlor...	5.481	6.297	1412693	2730498	0.168	0.601 #
25) Oxychlorane	6.953	7.757	2405414	31764216	0.520	10.702 #
26) 2,4'-DDE	7.023	7.971	3825627	4052486	1.317m	1.633 MDL=MRL
27) trans-Non...	7.220	8.053	22751081	10944779	5.831	3.187 #
28) 2,4'-DDD	7.399	8.366f	18642942	2999521	8.146	1.331 # MDL=MRL
29) 2,4'-DDT	7.575	8.575	5342826	5661136	2.122m	R-02 2.601 P-01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:00
 Operator : MJB
 Sample : A0I0556-22RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:09:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

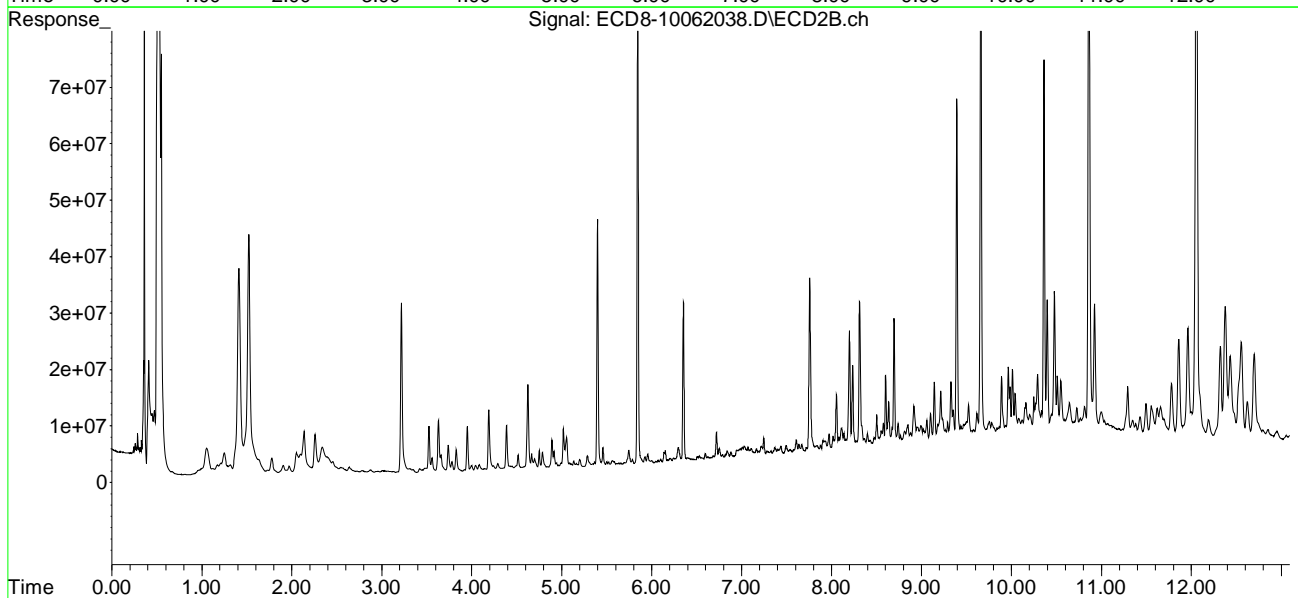
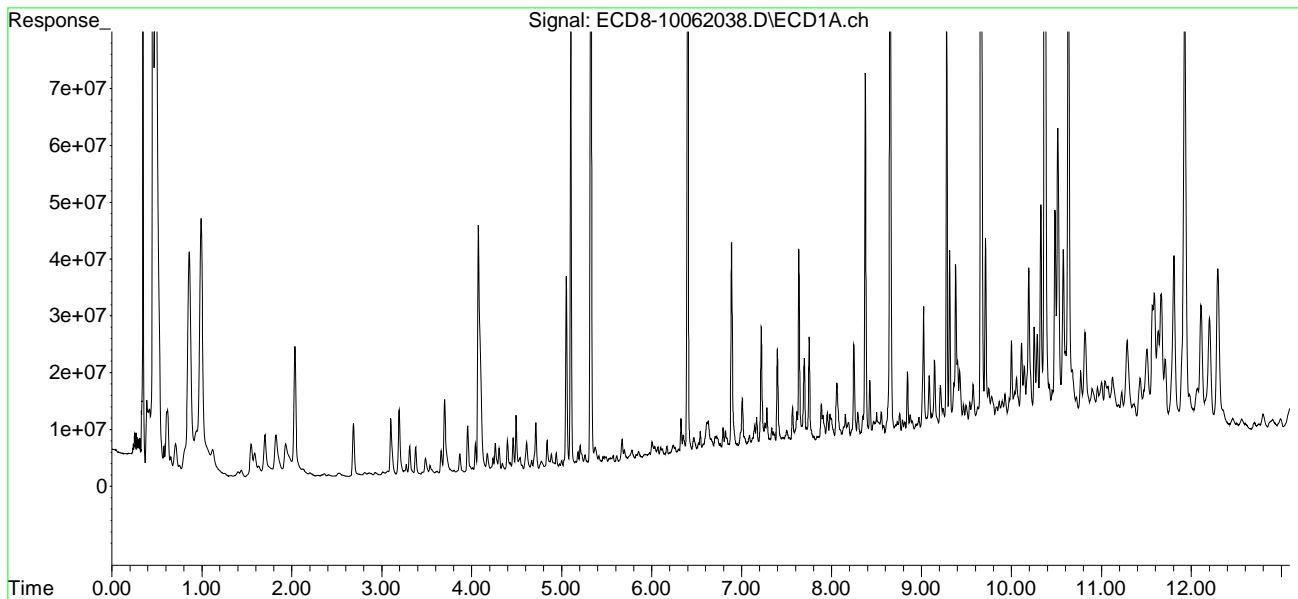
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.696	8.602	16772919	14025742	3.947	3.800
31)	Mirex	8.348	9.522	6049407	8280683	2.027	3.513 #
32)	Chlordane...	7.454f	8.233	3132551	16035971	6.924	36.296 #
33)	Chlordane...	7.502f	8.310f	4231223	27281662	7.690	73.293 #
34)	Chlordane...	8.058	8.994	12060964	4884269	83.158	36.113 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.313	8.429	3073928	2713985	178.696	89.757 #
37)	Toxaphene...	7.614	8.766	7468462	3349633	227.239	85.239 #
38)	Toxaphene...	7.905	8.811	6587049	4049382	87.421	64.035 #
39)	Toxaphene...	8.154	8.879	6592954	3715055	93.709	33.591 #
40)	Toxaphene...	8.375	9.059	66296885	5795080	1187.027	102.070 #
41)	Toxaphene...	8.467f	9.437	4997906	4549475	65.012	70.265
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

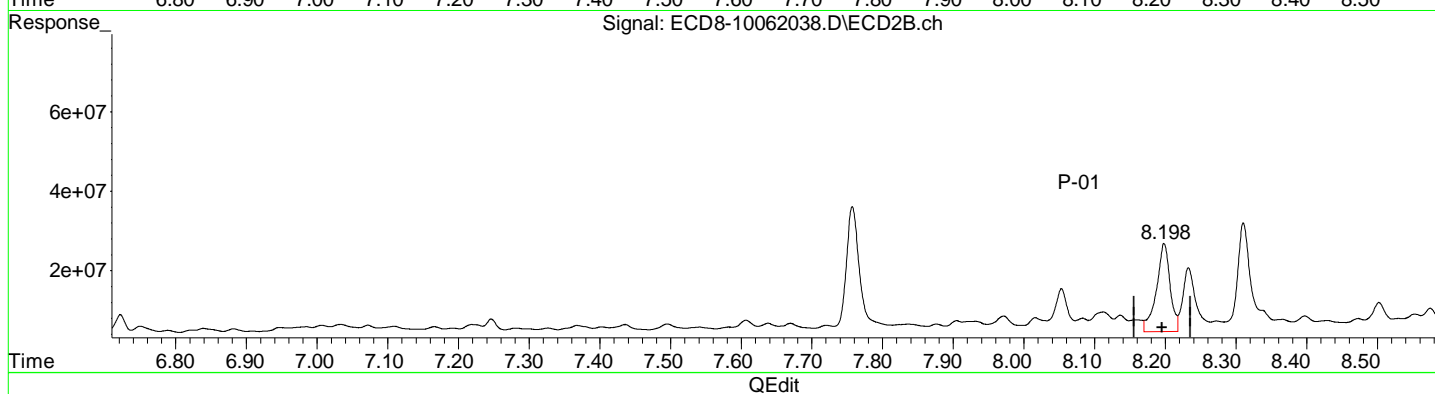
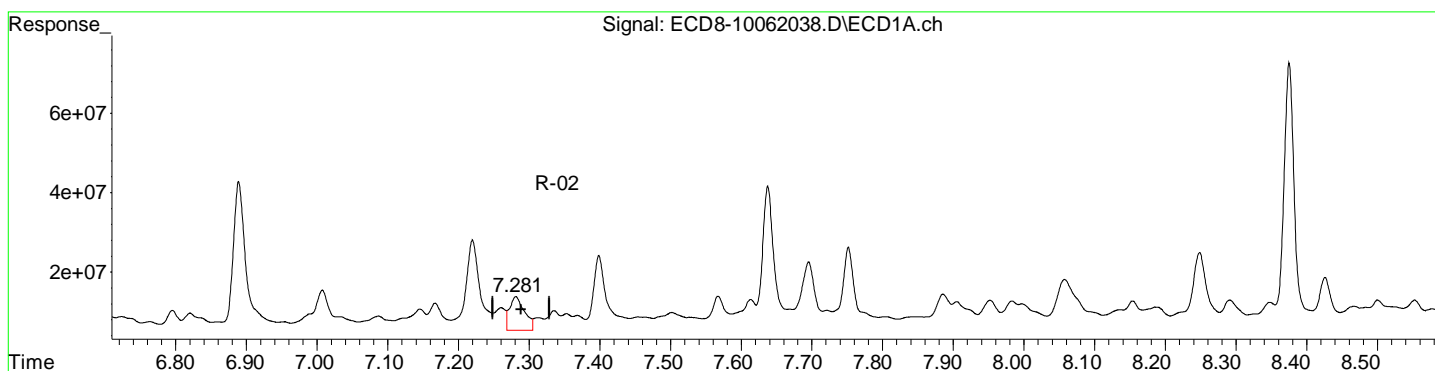
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.281min 2.066 ng/mL
response 8447786

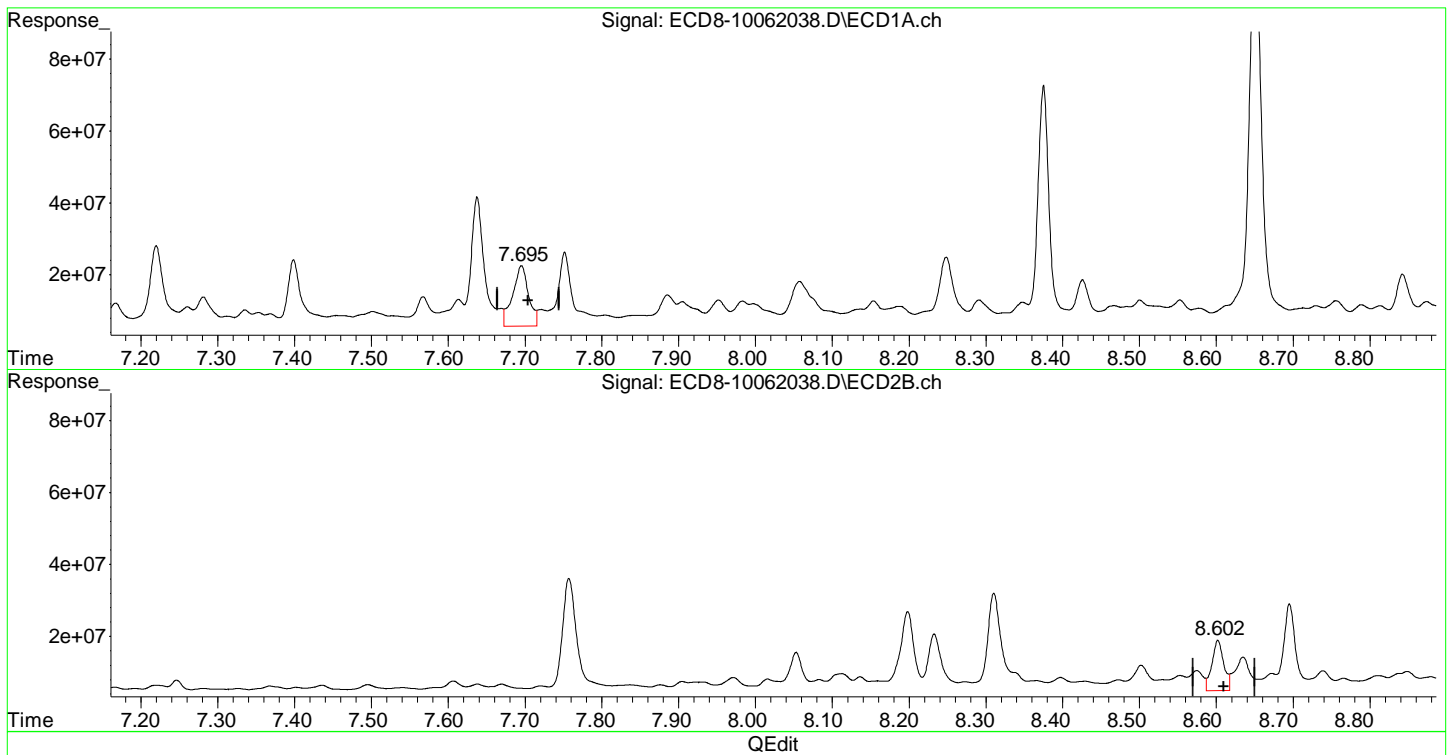
MJB 10/7/20

(12) 4,4'-DDE #2
8.198min 6.411 ng/mL
response 22184440

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.696min 5.022 ng/mL
response 16772919

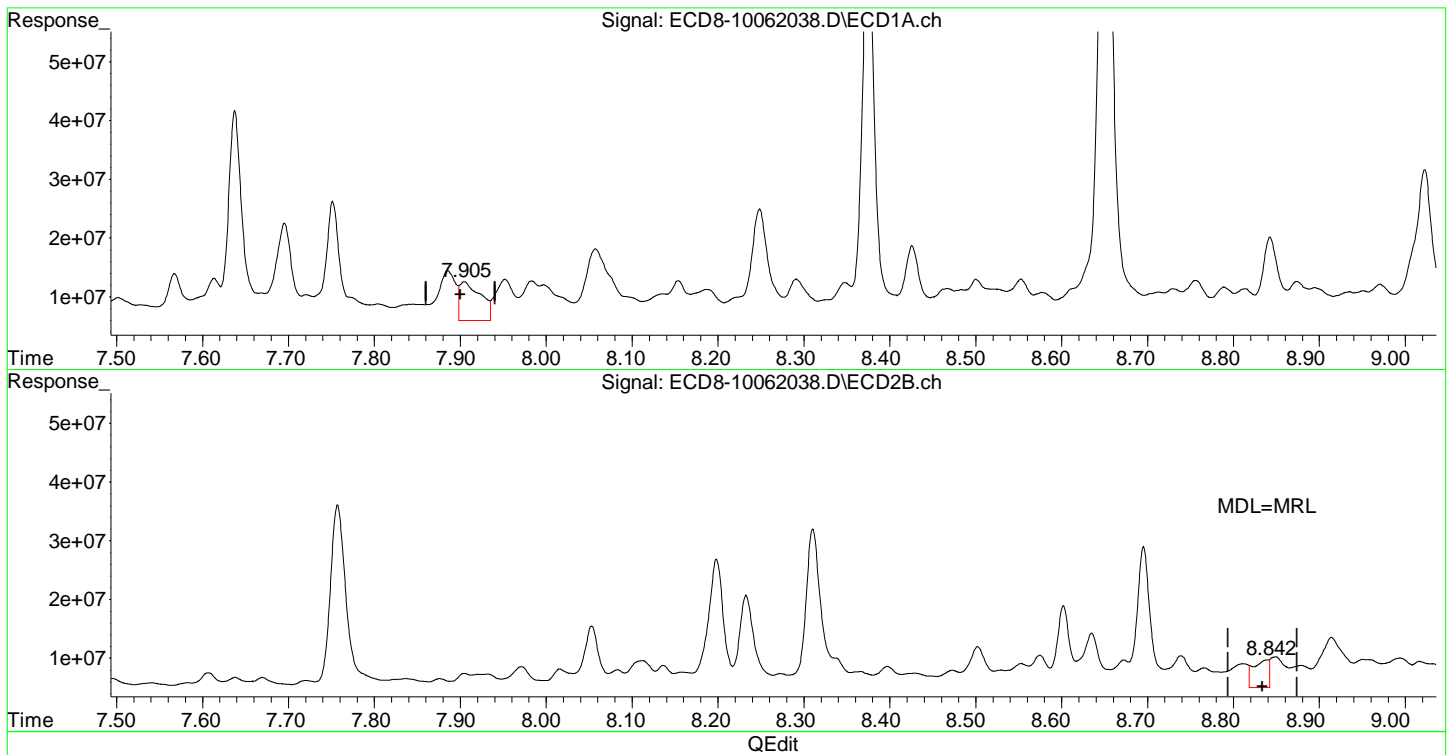
MJB 10/7/20

(15) 4,4'-DDD #2
8.602min 4.876 ng/mL
response 14025742

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.905min 2.132 ng/mL
response 6587049

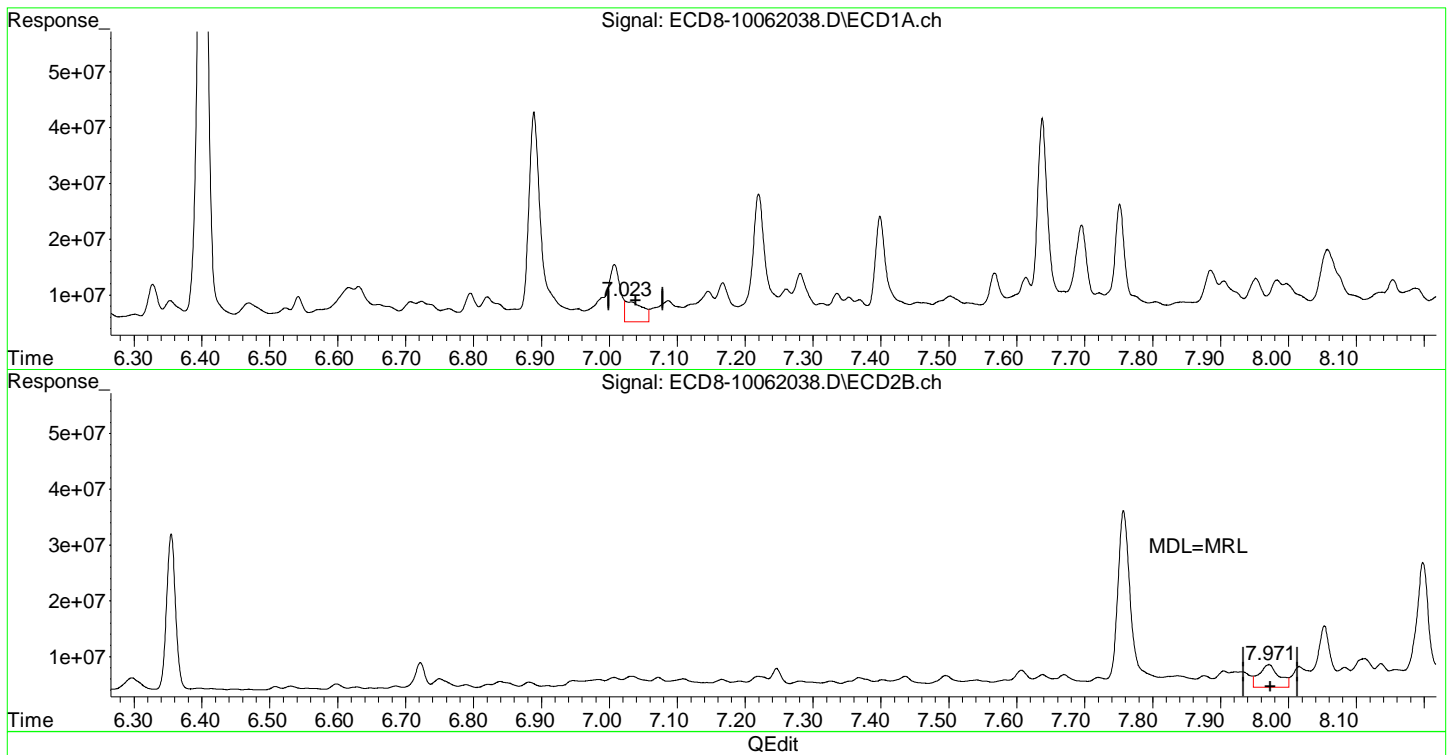
MJB 10/7/20

(17) 4,4'-DDT #2
8.842min 1.821 ng/mL m
response 4735807

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.023min 1.317 ng/mL m
response 3825627

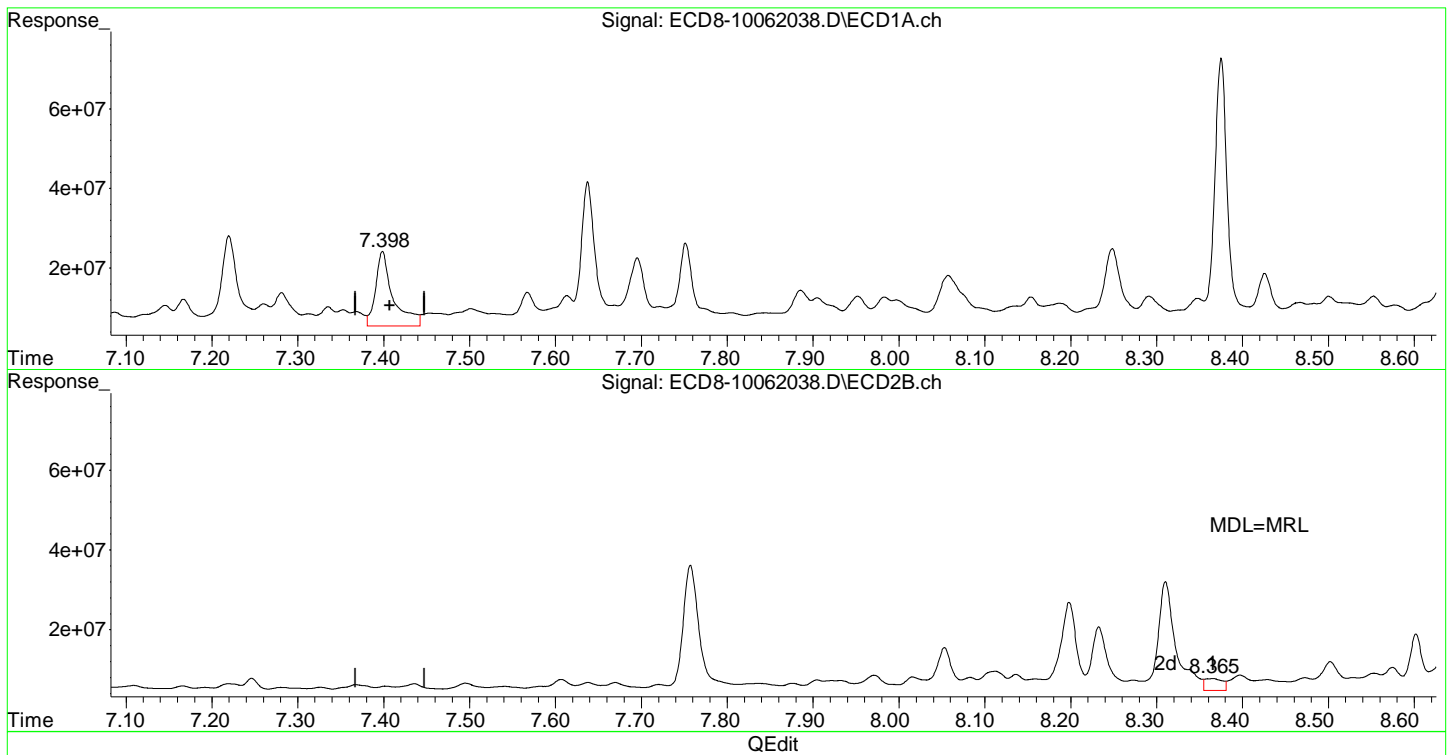
MJB 10/7/20

(26) 2,4'-DDE #2
7.971min 1.633 ng/mL
response 4052486

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.399min 8.146 ng/mL
response 18642942

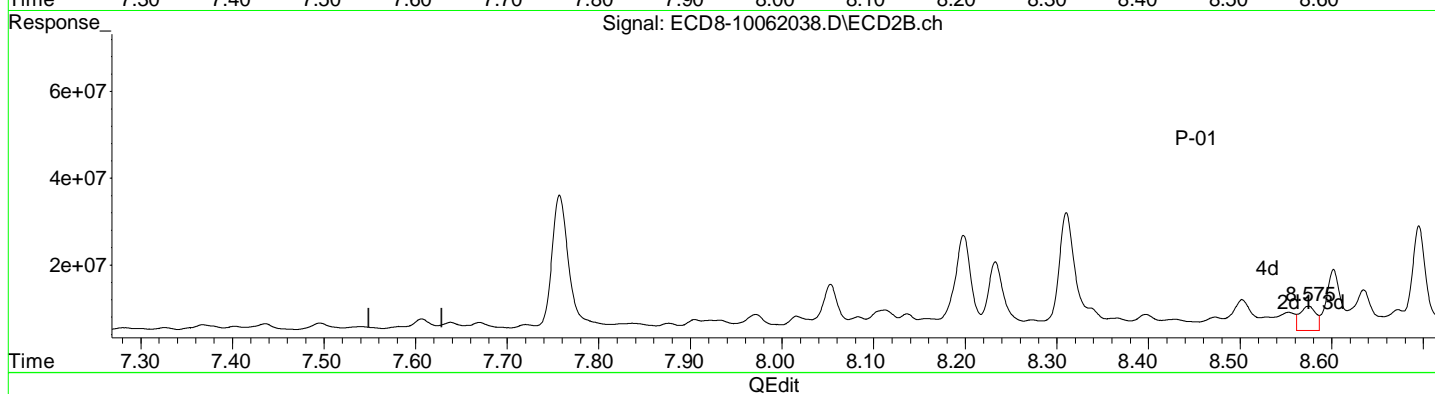
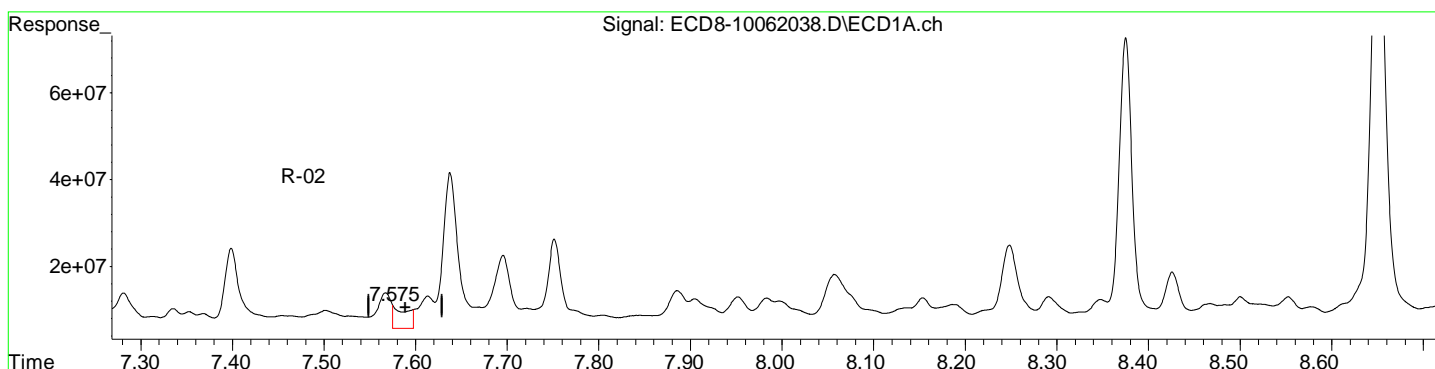
MJB 10/7/20

(28) 2,4'-DDD #2
8.366min 1.331 ng/mL
response 2999521

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.575min 2.122 ng/mL m
response 5342826

MJB 10/7/20

(29) 2,4'-DDT #2
8.575min 2.601 ng/mL
response 5661136

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:00
 Operator : MJB
 Sample : A0I0556-22RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

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MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:09:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.103	5.847	86817501	90522406	23.260	25.787
22) S DCBP (S)	9.279	10.362	75354407	68801128	24.656	32.362 #
Target Compounds						
2) a-BHC	5.612f	6.449	1383106	641411	0.281	0.186 #
3) g-BHC	5.926	6.750	1414022	2297642	0.320	0.593 #
4) b-BHC	6.007	6.839	3550667	1720189	1.788	0.912 #
5) Heptachlor	6.328	7.143	7319427	1329257	1.729	0.315 #
6) d-BHC	6.120f	7.072	2215477	2342361	0.537	0.649
7) Aldrin	6.542f	7.402	4981120	1699973	1.141	0.456 #
8) Heptachlo...	7.008	7.837	10323617	2121791	2.549	0.580 #
9) trans-Chl...	7.146f	7.971	5349474	4052486	1.293	1.094
10) cis-Chlor...	7.220	8.083	22751081	3485395	5.548	0.982 #
11) Endosulfa...	7.313	8.136	3073928	4157421	0.815	1.255 #
12) 4,4'-DDE	7.281	8.198	8447786	22184440	2.066	6.411 #
13) Dieldrin	7.502f	8.310f	4231223	27281662	1.001	7.418 #
14) Endrin	7.638	8.553	35892736	4239868	11.871	1.718 #
15) 4,4'-DDD	7.696	8.602	16772919	14025742	5.022	4.876
16) Endosulfa...	7.804	8.695	2926440	24091113	0.905	8.212 #
17) 4,4'-DDT	7.905	8.849	6587049	5217314	2.132	2.007
18) Endrin Al...	8.058f	8.951	12060964	4682754	3.663	1.645 #
19) Endosulfa...	8.375	9.142	66296885	12527190	22.890	5.178 #
20) Methoxychlor	8.248	9.327	18683297	12463961	12.328	8.406 #
21) Endrin Ke...	8.578	9.522	4179441	8280683	1.808	4.907 #
23) Hexachlor...	2.862f	3.561	465967	2462894	BelowCal	0.439
24) Hexachlor...	5.481	6.297	1412693	2730498	0.168	0.601 #
25) Oxychlorane	6.953	7.757	2405414	31764216	0.520	10.702 #
26) 2,4'-DDE	7.008f	7.971	10323617	4052486	3.858	1.633 #
27) trans-Non...	7.220	8.053	22751081	10944779	5.831	3.187 #
28) 2,4'-DDD	7.399	8.366f	18642942	2999521	8.146	1.331 #
29) 2,4'-DDT	7.567f	8.575	8272206	5661136	3.385	2.601

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:00
 Operator : MJB
 Sample : A0I0556-22RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:09:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

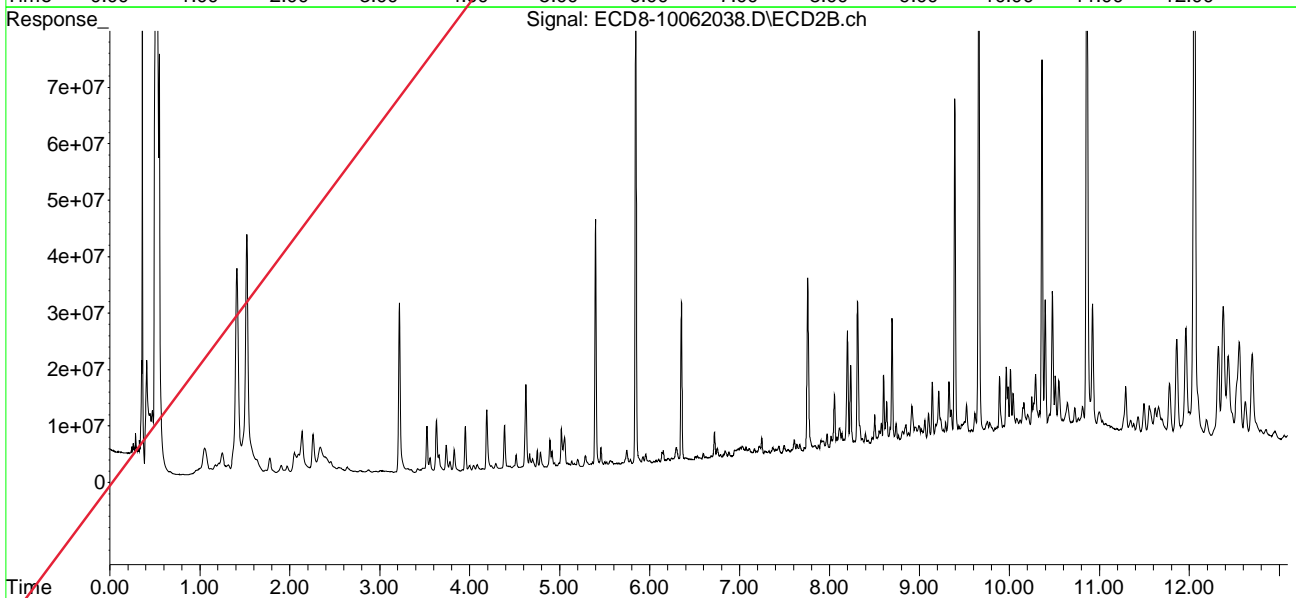
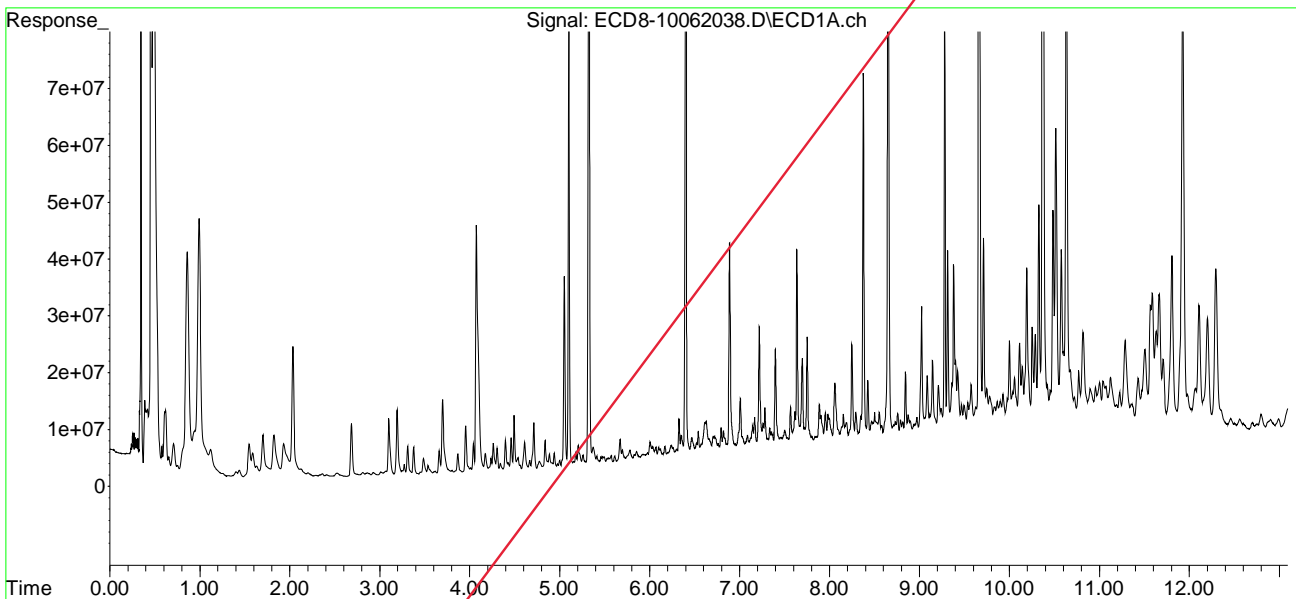
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.696	8.602	16772919	14025742	3.947	3.800
31)	Mirex	8.348	9.522	6049407	8280683	2.027	3.513 #
32)	Chlordane...	7.454f	8.233	3132551	16035971	6.924	36.296 #
33)	Chlordane...	7.502f	8.310f	4231223	27281662	7.690	73.293 #
34)	Chlordane...	8.058	8.994	12060964	4884269	83.158	36.113 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.313	8.429	3073928	2713985	178.696	89.757 #
37)	Toxaphene...	7.614	8.766	7468462	3349633	227.239	85.239 #
38)	Toxaphene...	7.905	8.811	6587049	4049382	87.421	64.035 #
39)	Toxaphene...	8.154	8.879	6592954	3715055	93.709	33.591 #
40)	Toxaphene...	8.375	9.059	66296885	5795080	1187.027	102.070 #
41)	Toxaphene...	8.467f	9.437	4997906	4549475	65.012	70.265
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:00
Operator : MJB
Sample : A0I0556-22RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:09:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:37
 Operator : MJB
 Sample : A0I0556-23RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:17:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.103	5.846	40957640	41676602	10.973	11.873
22) S DCBP (S)	9.278	10.362	41002733	39341794	13.322	18.634 # S-04
Target Compounds						
2) a-BHC	5.617f	6.449	284280	318365	0.058	0.113 #
3) g-BHC	5.926	6.749	759403	1024416	0.172	0.264 #
4) b-BHC	6.010	6.840	2618500	1296982	1.319	0.688 #
5) Heptachlor	6.327	7.145	5306625	700719	1.253	0.150 #
6) d-BHC	6.154	7.073	1219474	1673656	0.296	0.473 #
7) Aldrin	6.569	7.402	964344	617458	0.221	0.160 #
8) Heptachlo...	7.033	7.847	3266150	692792	0.807	0.189 #
9) trans-Chl...	7.148f	7.968	4113370	4003420	0.994	1.080
10) cis-Chlor...	7.222	8.081	7525945	1094584	1.835	0.309 #
11) Endosulfa...	7.334f	8.137	7552339	1129467	2.002	0.341 #
12) 4,4'-DDE	7.280	8.199	4942909	13957785	1.209	MDL=MRL 4.057 # P-01
13) Dieldrin	7.486	8.338	1109884	7854426	0.262	2.136 #
14) Endrin	7.638	8.566	25609269	2300037	8.470	0.918 #
15) 4,4'-DDD	7.696	8.601	16044008	15985113	4.804	5.549
16) Endosulfa...	7.804	8.695	916905	7913258	0.284	2.697 #
17) 4,4'-DDT	7.903	8.837	8547648	5066275	2.766	1.949 # MDL=MRL
18) Endrin Al...	8.100	8.951	2063785	3412038	0.627	1.199 #
19) Endosulfa...	8.375	9.141	117.9E6	11005561	40.709	4.548 #
20) Methoxychlor	8.247	9.327	18940557	11688750	12.498	7.883 #
21) Endrin Ke...	8.579	9.521	2422293	9389150	1.048	5.570 #
23) Hexachlor...	2.865f	3.561	574077	1581779	BelowCal	0.200
24) Hexachlor...	5.481	6.305	986572	1013538	0.048	0.078 #
25) Oxychlorane	6.951	7.758	723927	16545684	0.027	5.494 #
26) 2,4'-DDE	7.033	7.968	3266150	4003420	1.098	1.611 # MDL=MRL
27) trans-Non...	7.222	8.054	7525945	3703517	1.773	0.913 #
28) 2,4'-DDD	7.399	8.338	10730066	7854426	4.608	3.816
29) 2,4'-DDT	7.570	8.566	5543300	2300037	2.209m	0.941 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:37
 Operator : MJB
 Sample : A0I0556-23RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:17:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

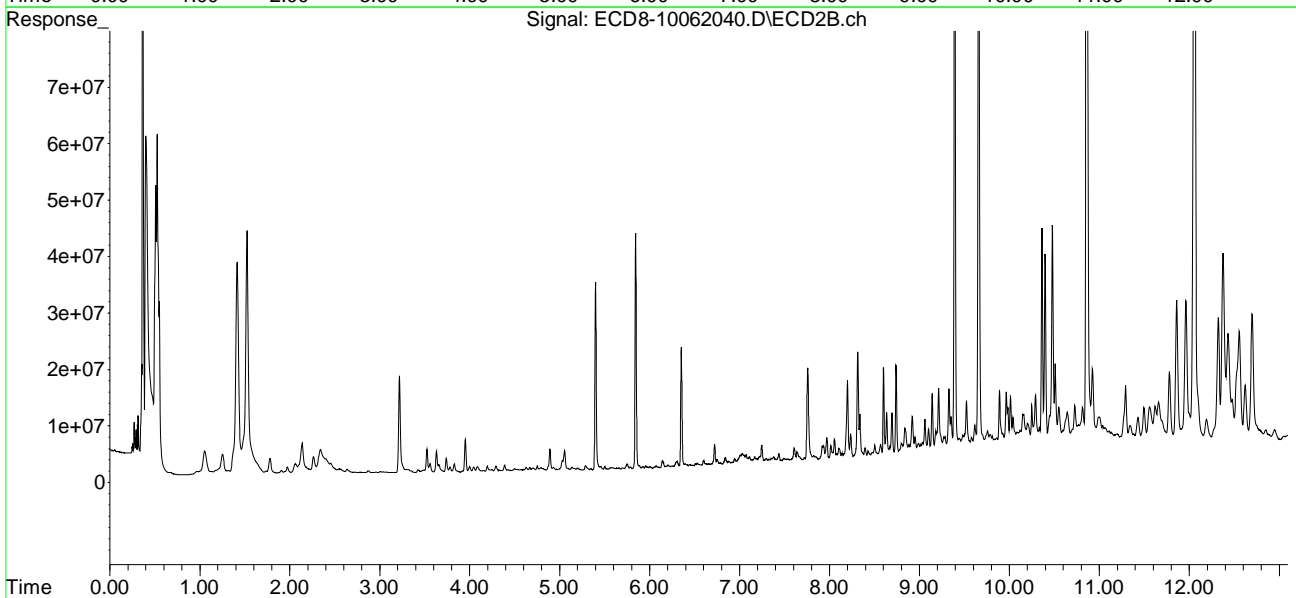
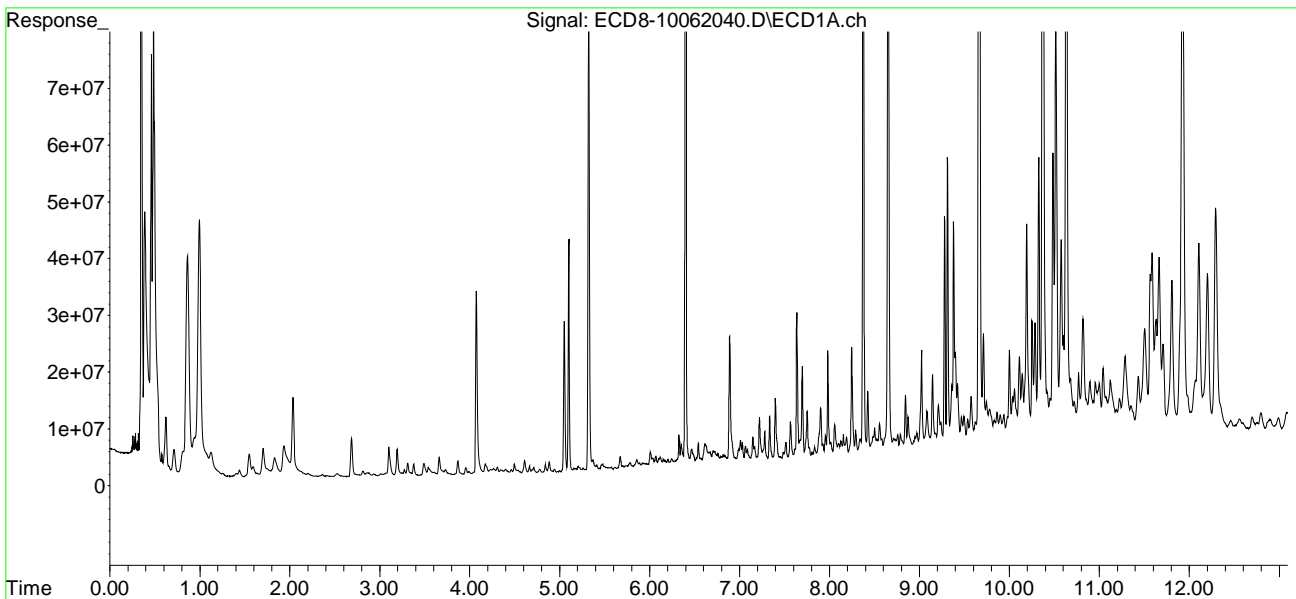
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.671	8.601	3129276	15985113	0.587	4.353 #
31)	Mirex	8.342	9.521	2646188	9389150	0.725	4.036 #
32)	Chlordane...	7.449	8.233	410571	4497878	0.908	10.181 #
33)	Chlordane...	7.515	8.338	2896979	7854426	5.265	21.101 #
34)	Chlordane...	8.056	8.989	5387352	2222456	37.145	11.106 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.334	8.430	7552339	1339504	439.040	44.300 #
37)	Toxaphene...	7.638f	8.799f	25609269	2404184	790.335	61.180 #
38)	Toxaphene...	7.926	8.799	2154951	2404184	28.600	38.019 #
39)	Toxaphene...	8.154	8.883	3611099	2139076	49.171	16.352 #
40)	Toxaphene...	8.375	9.060	117.9E6	6492791	2111.080	114.359 #
41)	Toxaphene...	8.426f	9.439	11062166	2835319	143.895	43.790 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

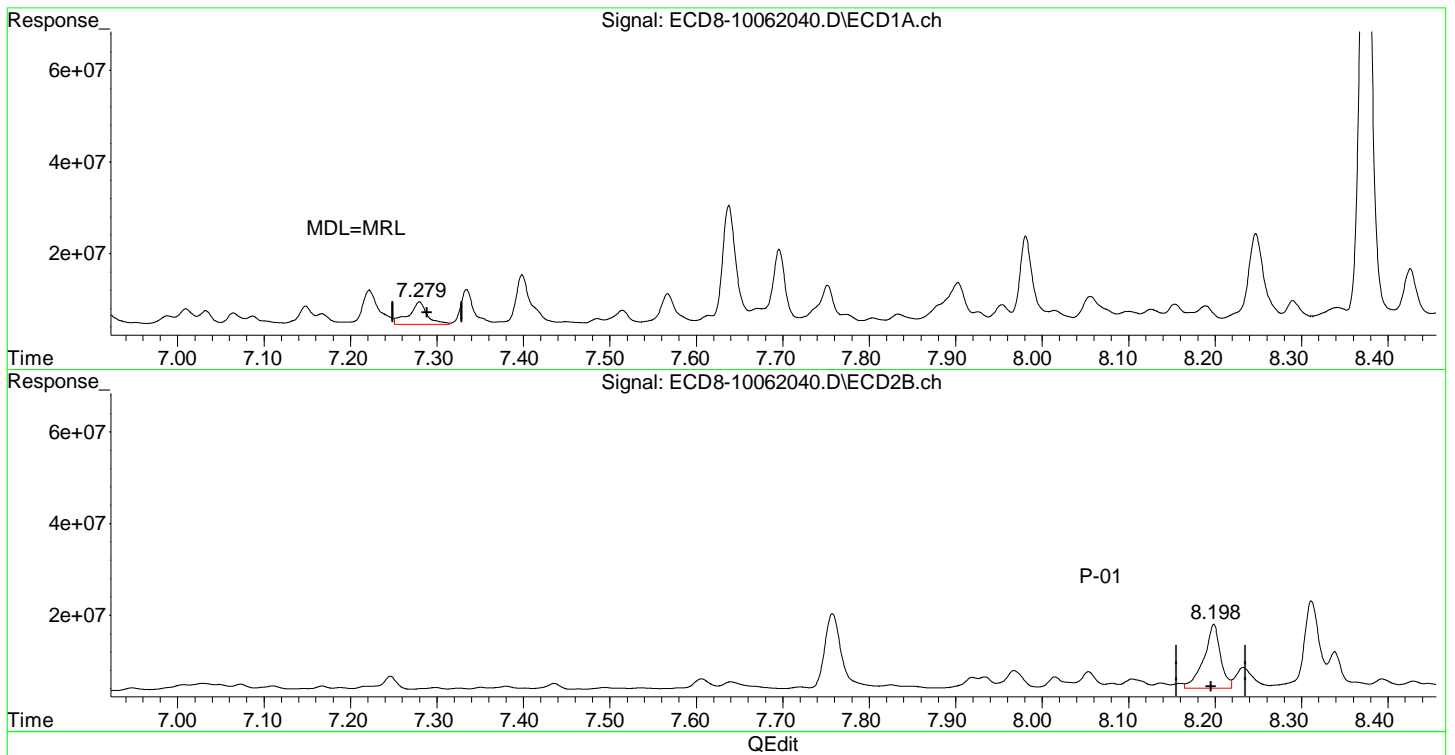
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.280min 1.209 ng/mL
response 4942909

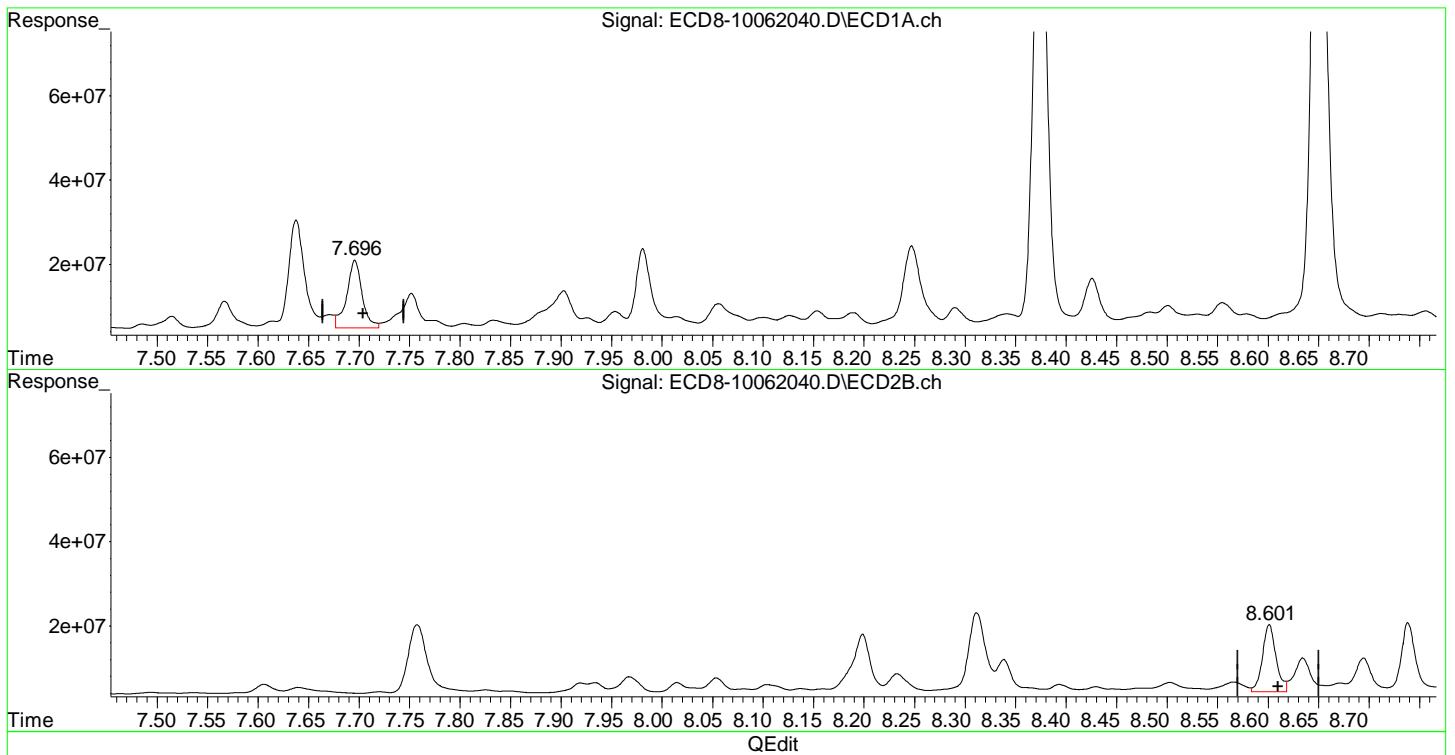
MJB 10/7/20

(12) 4,4'-DDE #2
8.199min 4.057 ng/mL
response 13957785

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.696min 4.804 ng/mL
response 16044008

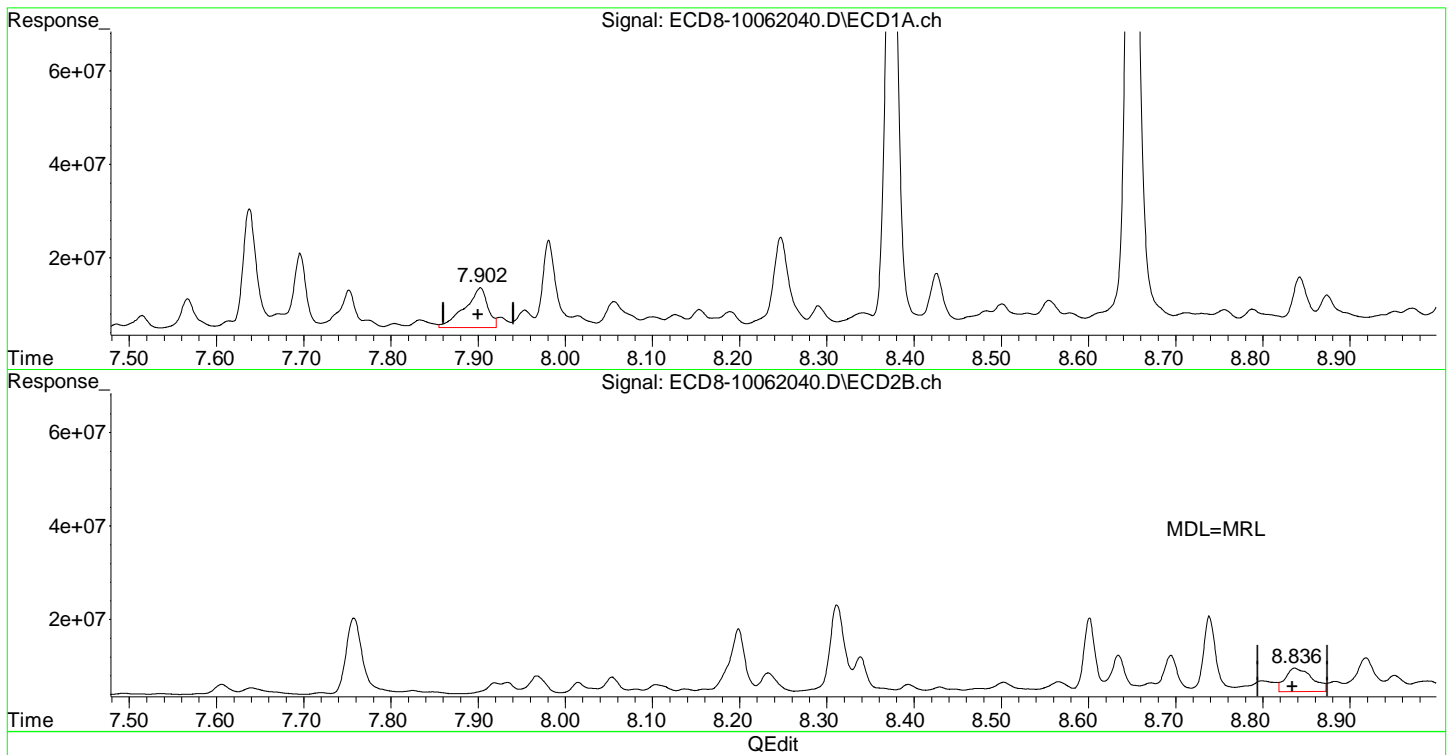
MJB 10/7/20

(15) 4,4'-DDD #2
8.601min 5.549 ng/mL
response 15985113

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.903min 2.766 ng/mL
response 8547648

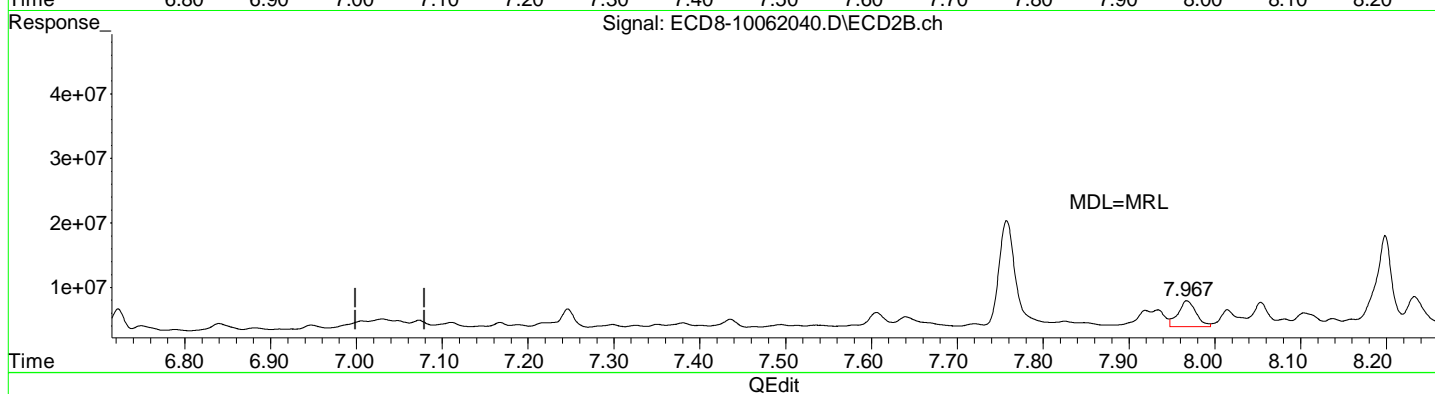
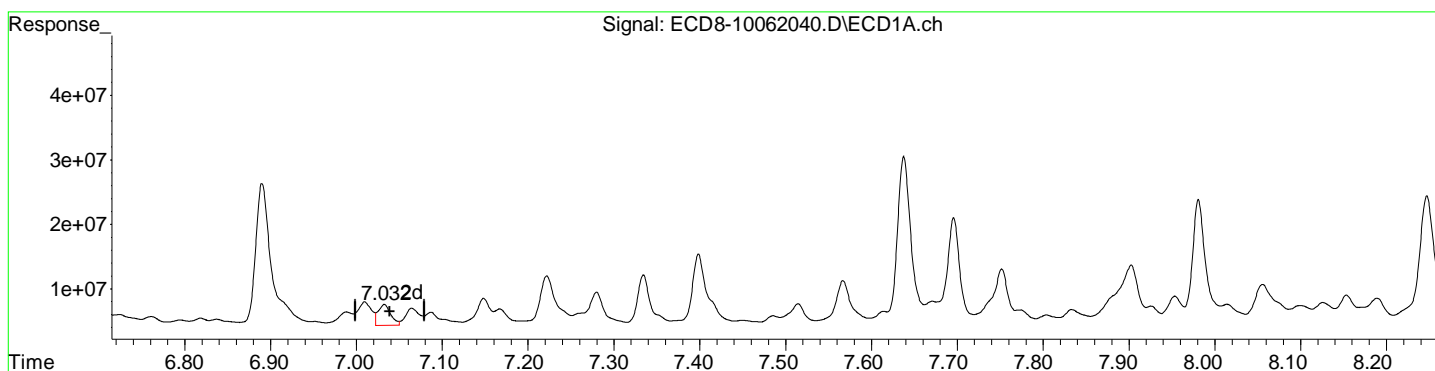
MJB 10/7/20

(17) 4,4'-DDT #2
8.837min 1.949 ng/mL
response 5066275

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.033min 1.098 ng/mL
response 3266150

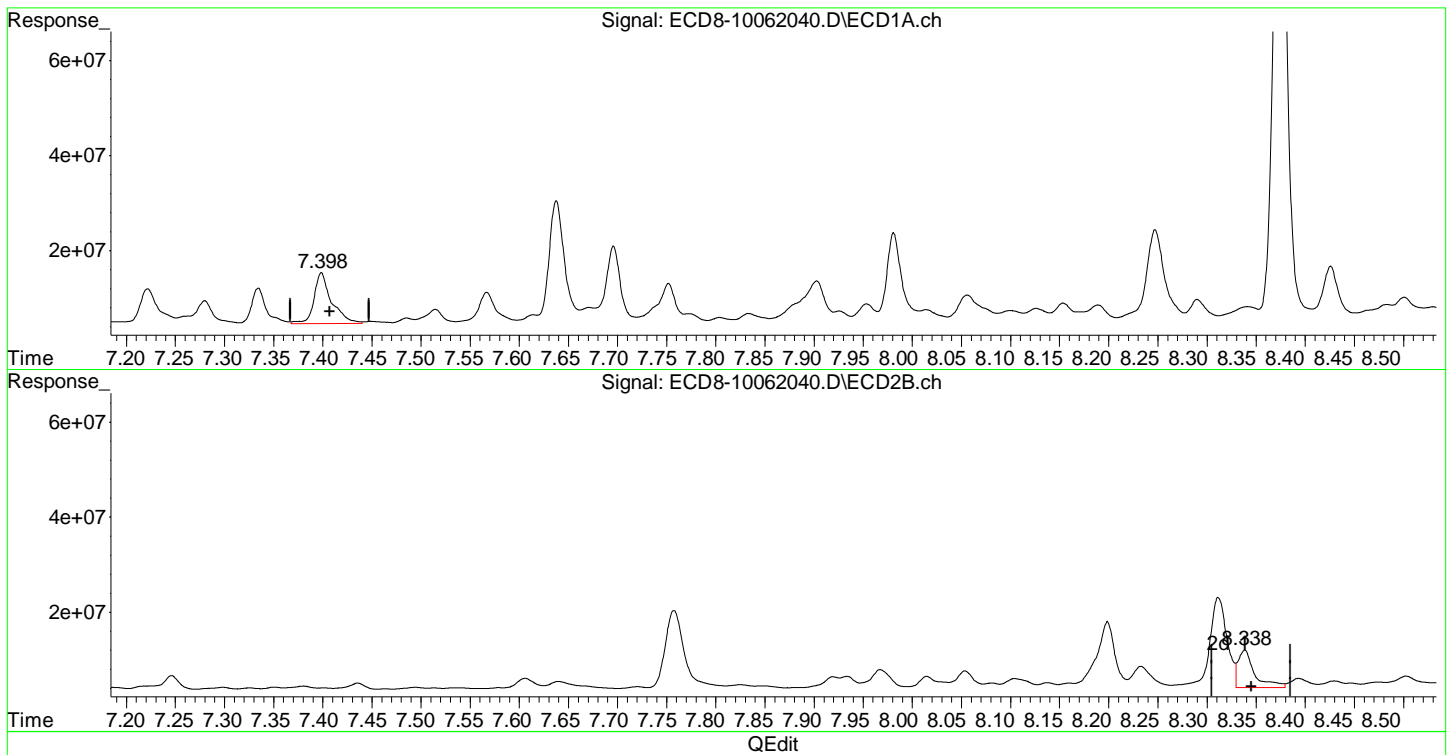
MJB 10/7/20

(26) 2,4'-DDE #2
7.968min 1.611 ng/mL
response 4003420

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.399min 4.608 ng/mL
response 10730066

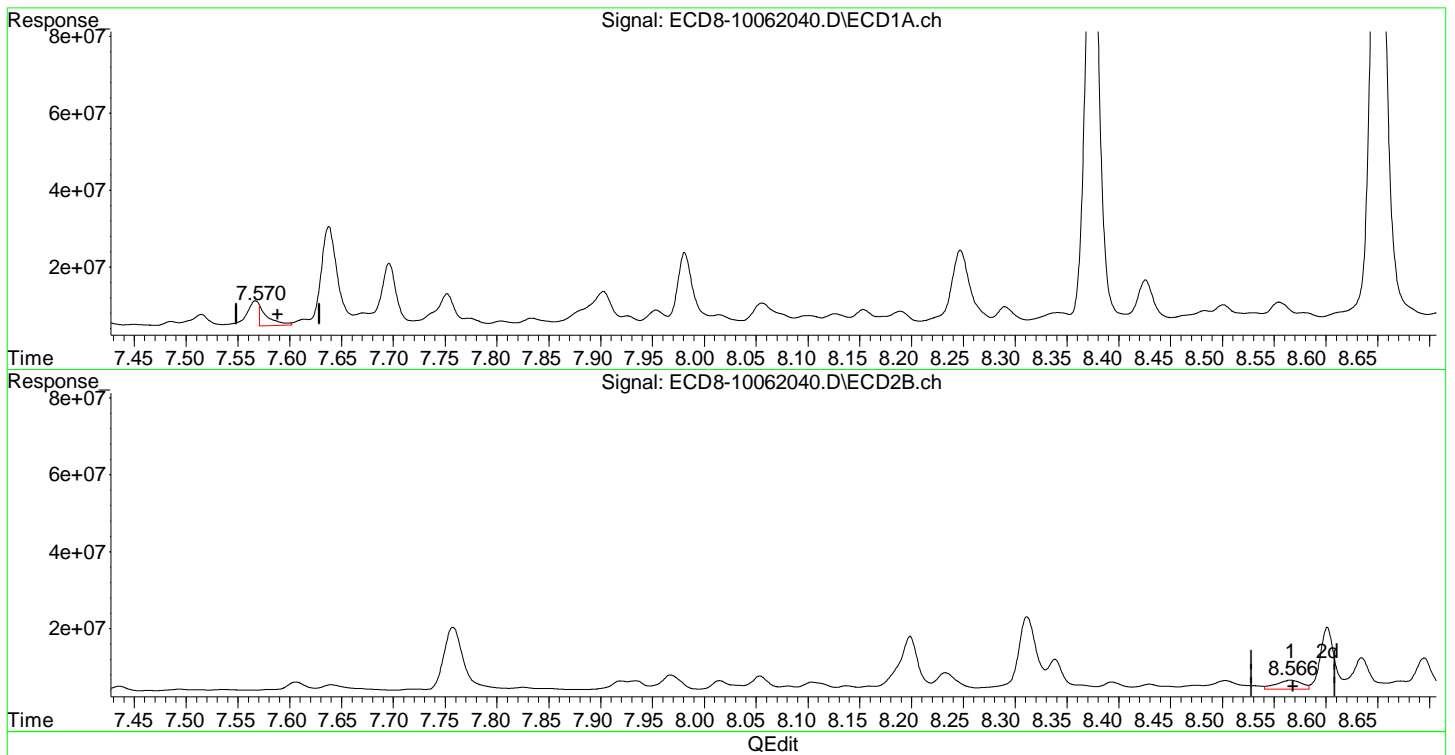
MJB 10/7/20

(28) 2,4'-DDD #2
8.338min 3.816 ng/mL
response 7854426

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.570min 2.209 ng/mL m
response 5543300

MJB 10/7/20

(29) 2,4'-DDT #2
8.566min 0.941 ng/mL
response 2300037

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:37
 Operator : MJB
 Sample : A0I0556-23RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

MI

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:17:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.103	5.846	40957640	41676602	10.973	11.873
22) S DCBP (S)	9.278	10.362	41002733	39341794	13.322	18.634 #
Target Compounds						
2) a-BHC	5.617f	6.449	284280	318365	0.058	0.113 #
3) g-BHC	5.926	6.749	759403	1024416	0.172	0.264 #
4) b-BHC	6.010	6.840	2618500	1296982	1.319	0.688 #
5) Heptachlor	6.327	7.145	5306625	700719	1.253	0.150 #
6) d-BHC	6.154	7.073	1219474	1673656	0.296	0.473 #
7) Aldrin	6.569	7.402	964344	617458	0.221	0.160 #
8) Heptachlo...	7.033	7.847	3266150	692792	0.807	0.189 #
9) trans-Chl...	7.148f	7.968	4113370	4003420	0.994	1.080
10) cis-Chlor...	7.222	8.081	7525945	1094584	1.835	0.309 #
11) Endosulfa...	7.334f	8.137	7552339	1129467	2.002	0.341 #
12) 4,4'-DDE	7.280	8.199	4942909	13957785	1.209	4.057 #
13) Dieldrin	7.486	8.338	1109884	7854426	0.262	2.136 #
14) Endrin	7.638	8.566	25609269	2300037	8.470	0.918 #
15) 4,4'-DDD	7.696	8.601	16044008	15985113	4.804	5.549
16) Endosulfa...	7.804	8.695	916905	7913258	0.284	2.697 #
17) 4,4'-DDT	7.903	8.837	8547648	5066275	2.766	1.949 #
18) Endrin Al...	8.100	8.951	2063785	3412038	0.627	1.199 #
19) Endosulfa...	8.375	9.141	117.9E6	11005561	40.709	4.548 #
20) Methoxychlor	8.247	9.327	18940557	11688750	12.498	7.883 #
21) Endrin Ke...	8.579	9.521	2422293	9389150	1.048	5.570 #
23) Hexachlor...	2.865f	3.561	574077	1581779	BelowCal	0.200
24) Hexachlor...	5.481	6.305	986572	1013538	0.048	0.078 #
25) Oxychlorane	6.951	7.758	723927	16545684	0.027	5.494 #
26) 2,4'-DDE	7.033	7.968	3266150	4003420	1.098	1.611 #
27) trans-Non...	7.222	8.054	7525945	3703517	1.773	0.913 #
28) 2,4'-DDD	7.399	8.338	10730066	7854426	4.608	3.816
29) 2,4'-DDT	7.567f	8.566	6419224	2300037	2.587	0.941 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 6 Oct 2020 23:37
 Operator : MJB
 Sample : A0I0556-23RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:17:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

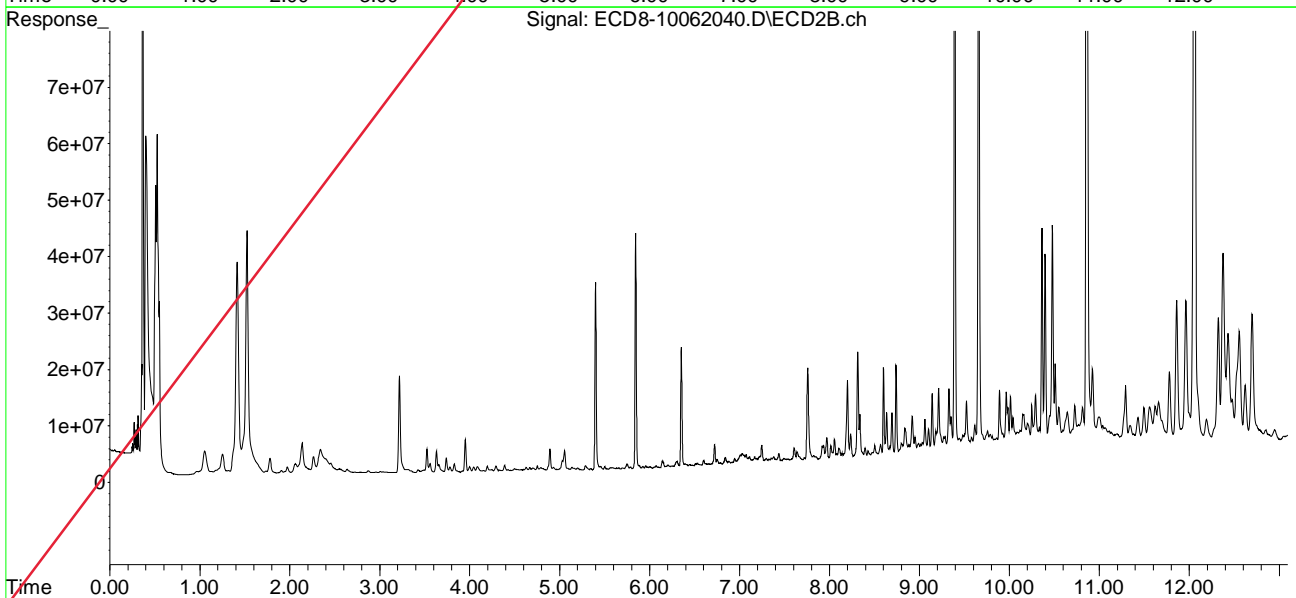
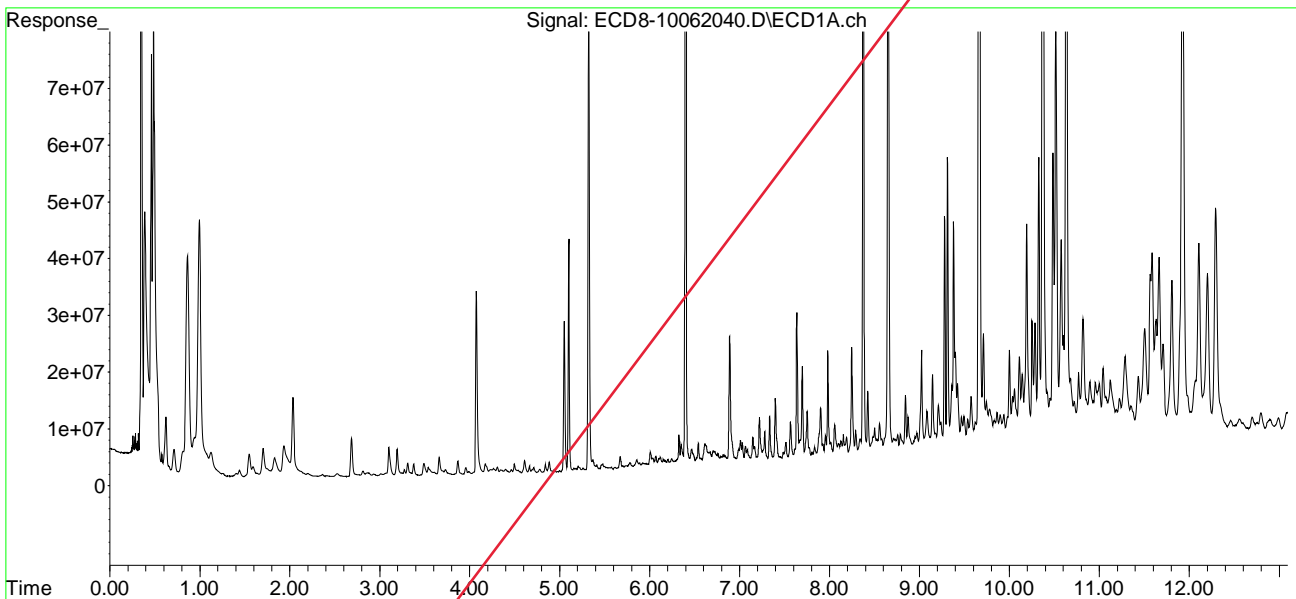
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.671	8.601	3129276	15985113	0.587	4.353 #
31)	Mirex	8.342	9.521	2646188	9389150	0.725	4.036 #
32)	Chlordane...	7.449	8.233	410571	4497878	0.908	10.181 #
33)	Chlordane...	7.515	8.338	2896979	7854426	5.265	21.101 #
34)	Chlordane...	8.056	8.989	5387352	2222456	37.145	11.106 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.334	8.430	7552339	1339504	439.040	44.300 #
37)	Toxaphene...	7.638f	8.799f	25609269	2404184	790.335	61.180 #
38)	Toxaphene...	7.926	8.799	2154951	2404184	28.600	38.019 #
39)	Toxaphene...	8.154	8.883	3611099	2139076	49.171	16.352 #
40)	Toxaphene...	8.375	9.060	117.9E6	6492791	2111.080	114.359 #
41)	Toxaphene...	8.426f	9.439	11062166	2835319	143.895	43.790 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Oct 2020 23:37
Operator : MJB
Sample : A0I0556-23RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:17:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:14
 Operator : MJB
 Sample : A0I0556-24RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:22:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.102	5.846	69427564	68647801	18.601	19.556
22) S DCBP (S)	9.277	10.361	73434857	62523722	24.023	29.465
Target Compounds						
2) a-BHC	5.645	6.451	409332	324057	0.083	0.114 #
3) g-BHC	5.929	6.751	882343	699050	0.199	0.180
4) b-BHC	6.010	6.840	2419133	891582	1.218	0.473 #
5) Heptachlor	6.326	7.144	5517839	632413	1.303	0.132 #
6) d-BHC	6.154	7.073	1177335	1275127	0.285	0.368 #
7) Aldrin	6.567	7.403	1313714	423077	0.301	0.107 #
8) Heptachlo...	7.013	7.848	1288495	330454	0.318	0.090 #
9) trans-Chl...	7.147f	7.972	1347549	885570	0.326	0.239 #
10) cis-Chlor...	7.223	8.080	1983507	311024	0.484	0.088 #
11) Endosulfa...	7.330f	8.136	1089503	110725	0.289	0.033 #
12) 4,4'-DDE	7.263f	8.199	924227	1557037	0.226	0.472 #
13) Dieldrin	7.485	8.312f	900622	8176613	0.213	2.223 #
14) Endrin	7.637	8.564	11830063	1427212	3.913	0.557 #
15) 4,4'-DDD	7.669f	8.598	2547492	2023984	0.763	0.715
16) Endosulfa...	7.800	8.694	308671	2476016	0.095	0.844 #
17) 4,4'-DDT	7.903	8.837	2037030	3050356	0.659	1.169 # P-01
18) Endrin Al...	8.098	8.948	1042500	924218	0.317	0.325
19) Endosulfa...	8.372	9.141	53762260	5215912	18.562	2.139 #
20) Methoxychlor	8.246	9.327	9937549	5542789	6.557	3.738 #
21) Endrin Ke...	8.578	9.520	1223868	4092989	0.529	2.384 #
23) Hexachlor...	2.867f	3.561	597011	1186146	BelowCal	0.093
24) Hexachlor...	5.479	6.325	904166	427726	0.025	BelowCal #
25) Oxychlorane	6.953	7.754	611852	5681120	104477.172	1.739 #
26) 2,4'-DDE	7.013f	7.972	1288495	885570	0.324	0.197 #
27) trans-Non...	7.223	8.055	1983507	848178	0.295	0.013 #
28) 2,4'-DDD	7.398	8.331	1712714	1946564	0.572	0.790m#
29) 2,4'-DDT	7.565f	8.564	2204994	1427212	0.769	0.508 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:14
 Operator : MJB
 Sample : A0I0556-24RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:22:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

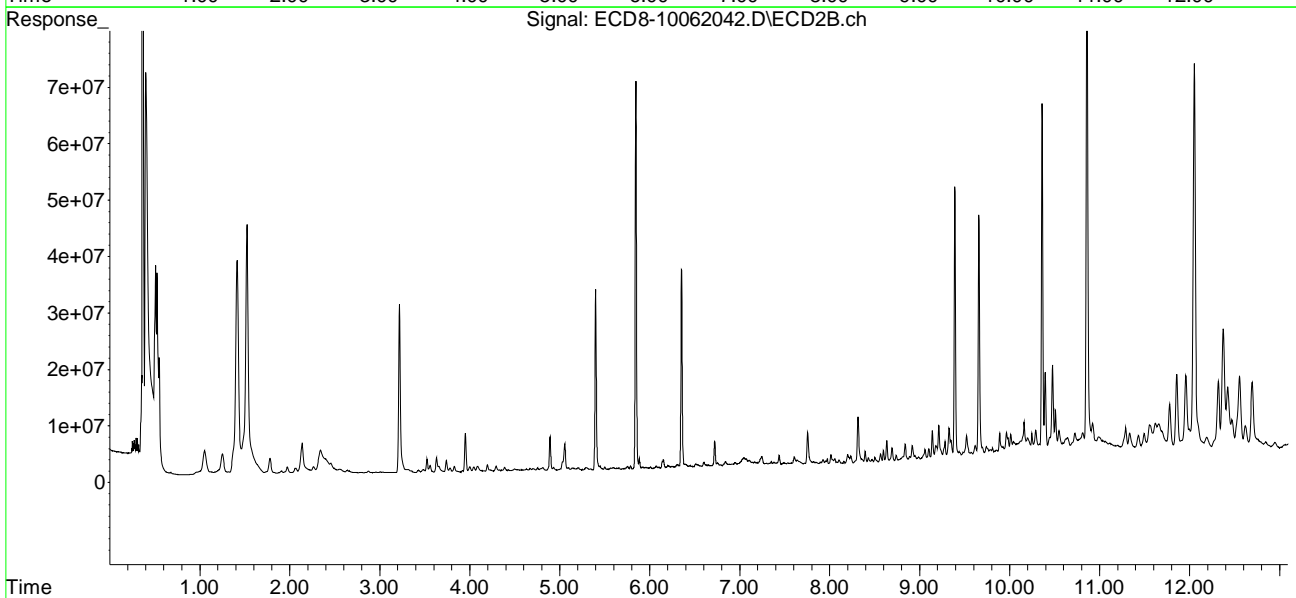
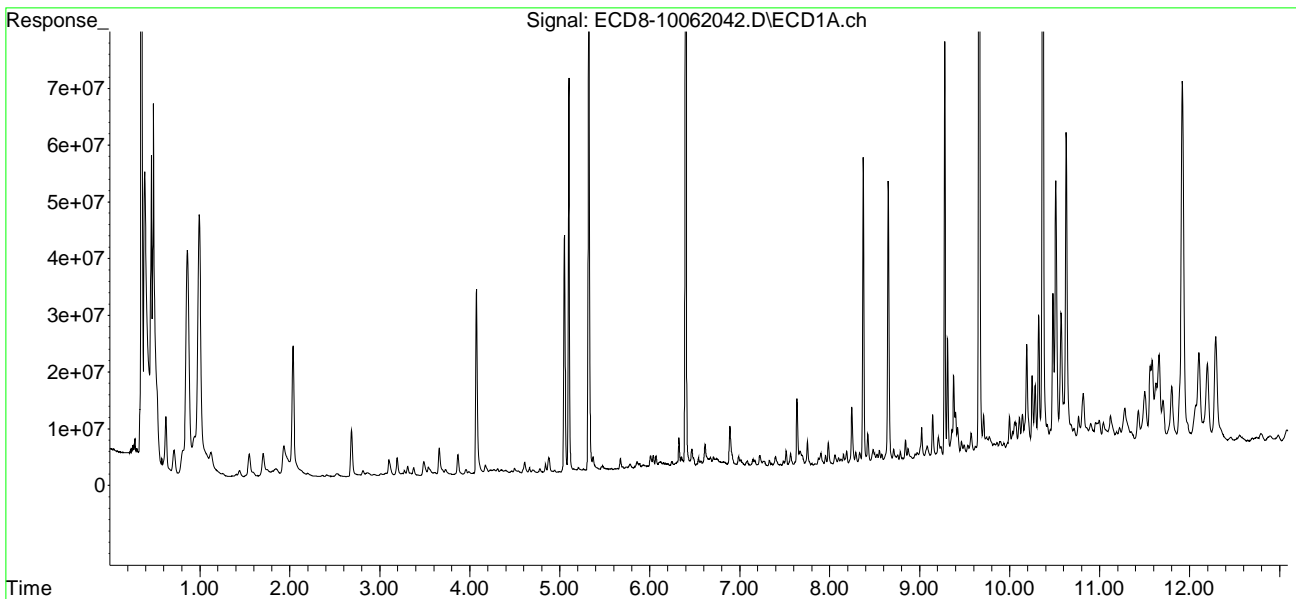
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.669	8.598	2547492	2023984	0.444	0.396
31)	Mirex	8.334	9.520	1770364	4092989	0.390	1.530 #
32)	Chlordane...	7.451	8.233	314511	1288564	0.695	2.917 #
33)	Chlordane...	7.515	8.312f	2634335	8176613	4.788	21.967 #
34)	Chlordane...	8.056	8.988	1588165	577345	10.950	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.330	8.430	1089503	816408	63.336	27.000 #
37)	Toxaphene...	7.637f	8.766	11830063	311081	362.159	7.916 #
38)	Toxaphene...	7.903	8.811	2037030	830771	27.035	13.137 #
39)	Toxaphene...	8.153	8.888	1709058	812951	20.674	1.793 #
40)	Toxaphene...	8.372	9.059	53762260	1896711	962.598	33.407 #
41)	Toxaphene...	8.424f	9.439	4971587	1265347	64.670	19.543 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:14
Operator : MJB
Sample : A0I0556-24RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

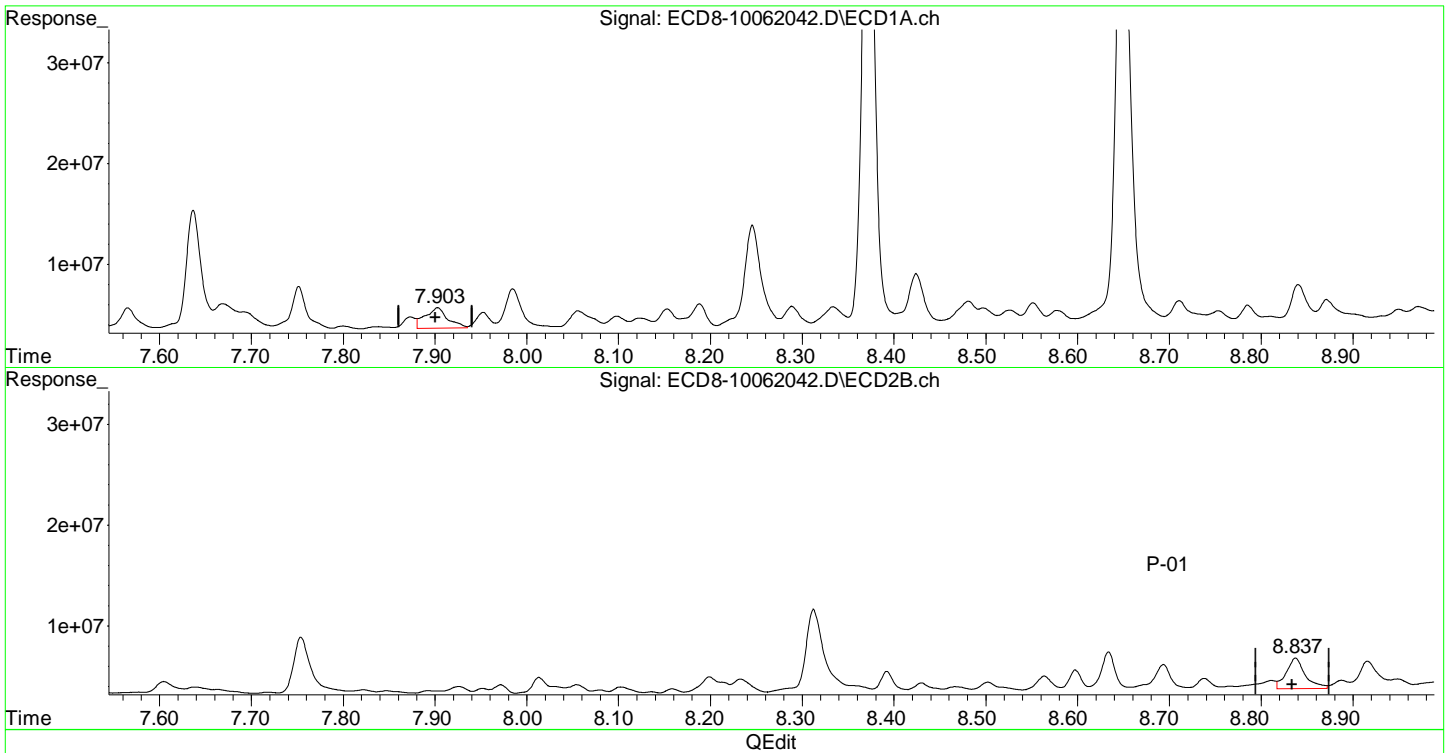
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:22:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:14
Operator : MJB
Sample : A0I0556-24RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:22:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.903min 0.659 ng/mL
response 2037030

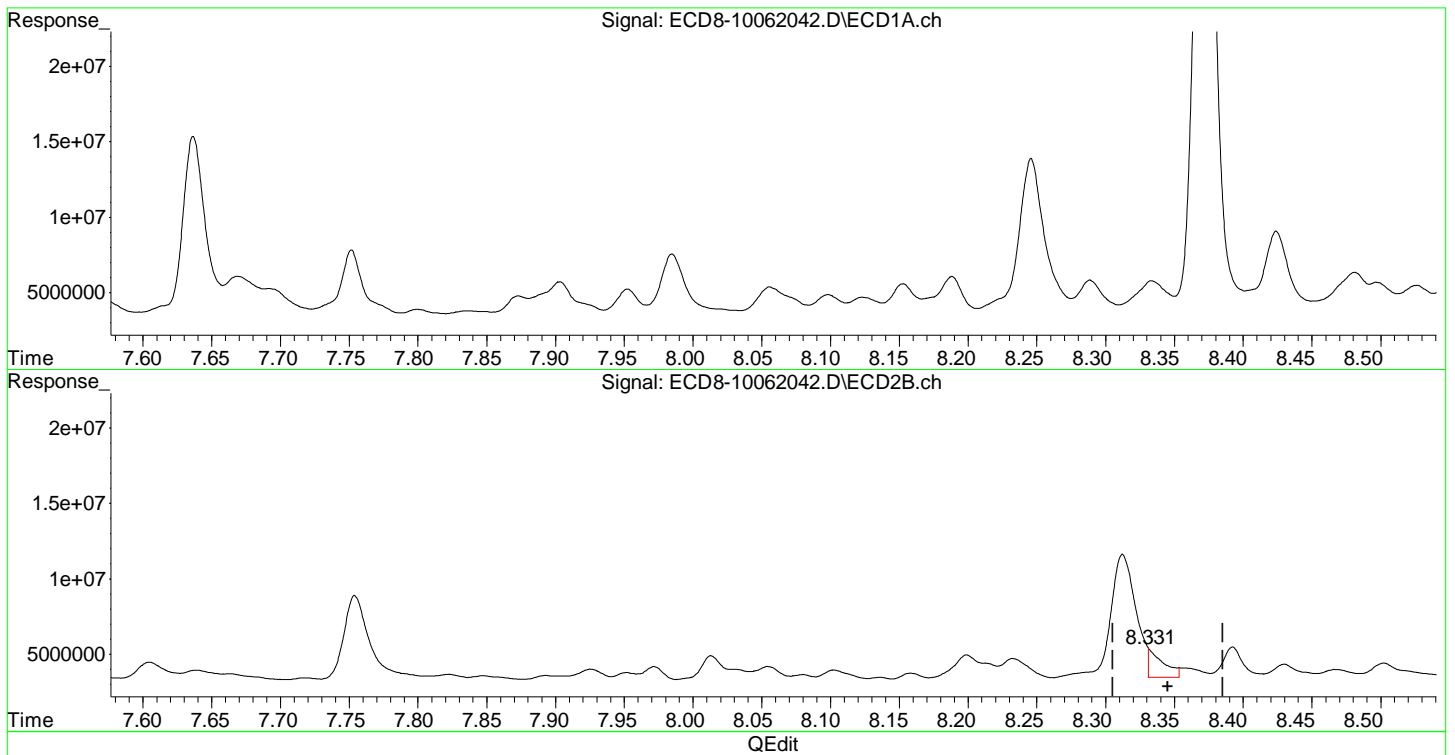
MJB 10/7/20

(17) 4,4'-DDT #2
8.837min 1.169 ng/mL
response 3050356

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:14
Operator : MJB
Sample : A0I0556-24RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:22:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.398min 0.572 ng/mL
response 1712714

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(28) 2,4'-DDD #2
8.331min 0.790 ng/mL m
response 1946564

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:14
 Operator : MJB
 Sample : A0I0556-24RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:22:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.102	5.846	69427564	68647801	18.601	19.556
22) S DCBP (S)	9.277	10.361	73434857	62523722	24.023	29.465
Target Compounds						
2) a-BHC	5.645	6.451	409332	324057	0.083	0.114 #
3) g-BHC	5.929	6.751	882343	699050	0.199	0.180
4) b-BHC	6.010	6.840	2419133	891582	1.218	0.473 #
5) Heptachlor	6.326	7.144	5517839	632413	1.303	0.132 #
6) d-BHC	6.154	7.073	1177335	1275127	0.285	0.368 #
7) Aldrin	6.567	7.403	1313714	423077	0.301	0.107 #
8) Heptachlo...	7.013	7.848	1288495	330454	0.318	0.090 #
9) trans-Chl...	7.147f	7.972	1347549	885570	0.326	0.239 #
10) cis-Chlor...	7.223	8.080	1983507	311024	0.484	0.088 #
11) Endosulfa...	7.330f	8.136	1089503	110725	0.289	0.033 #
12) 4,4'-DDE	7.263f	8.199	924227	1557037	0.226	0.472 #
13) Dieldrin	7.485	8.312f	900622	8176613	0.213	2.223 #
14) Endrin	7.637	8.564	11830063	1427212	3.913	0.557 #
15) 4,4'-DDD	7.669f	8.598	2547492	2023984	0.763	0.715
16) Endosulfa...	7.800	8.694	308671	2476016	0.095	0.844 #
17) 4,4'-DDT	7.903	8.837	2037030	3050356	0.659	1.169 #
18) Endrin Al...	8.098	8.948	1042500	924218	0.317	0.325
19) Endosulfa...	8.372	9.141	53762260	5215912	18.562	2.139 #
20) Methoxychlor	8.246	9.327	9937549	5542789	6.557	3.738 #
21) Endrin Ke...	8.578	9.520	1223868	4092989	0.529	2.384 #
23) Hexachlor...	2.867f	3.561	597011	1186146	BelowCal	0.093
24) Hexachlor...	5.479	6.325	904166	427726	0.025	BelowCal #
25) Oxychlorane	6.953	7.754	611852	5681120	104477.172	1.739 #
26) 2,4'-DDE	7.013f	7.972	1288495	885570	0.324	0.197 #
27) trans-Non...	7.223	8.055	1983507	848178	0.295	0.013 #
28) 2,4'-DDD	7.398	8.312f	1712714	8176613	0.572	3.980 #
29) 2,4'-DDT	7.565f	8.564	2204994	1427212	0.769	0.508 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:14
 Operator : MJB
 Sample : A0I0556-24RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:22:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

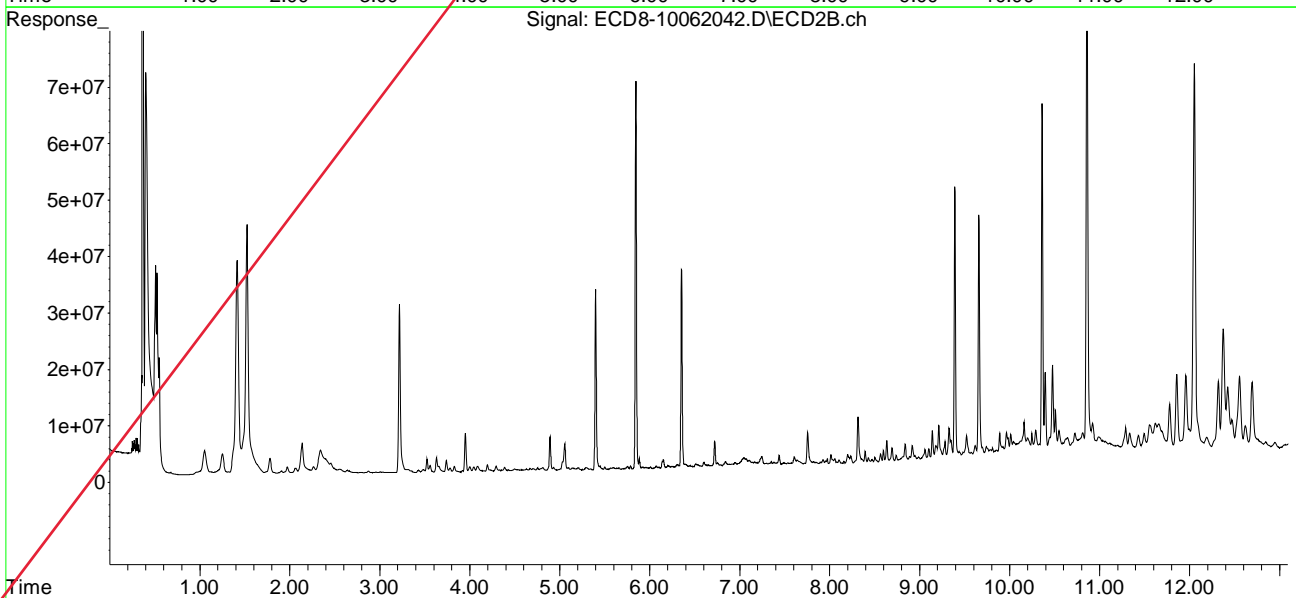
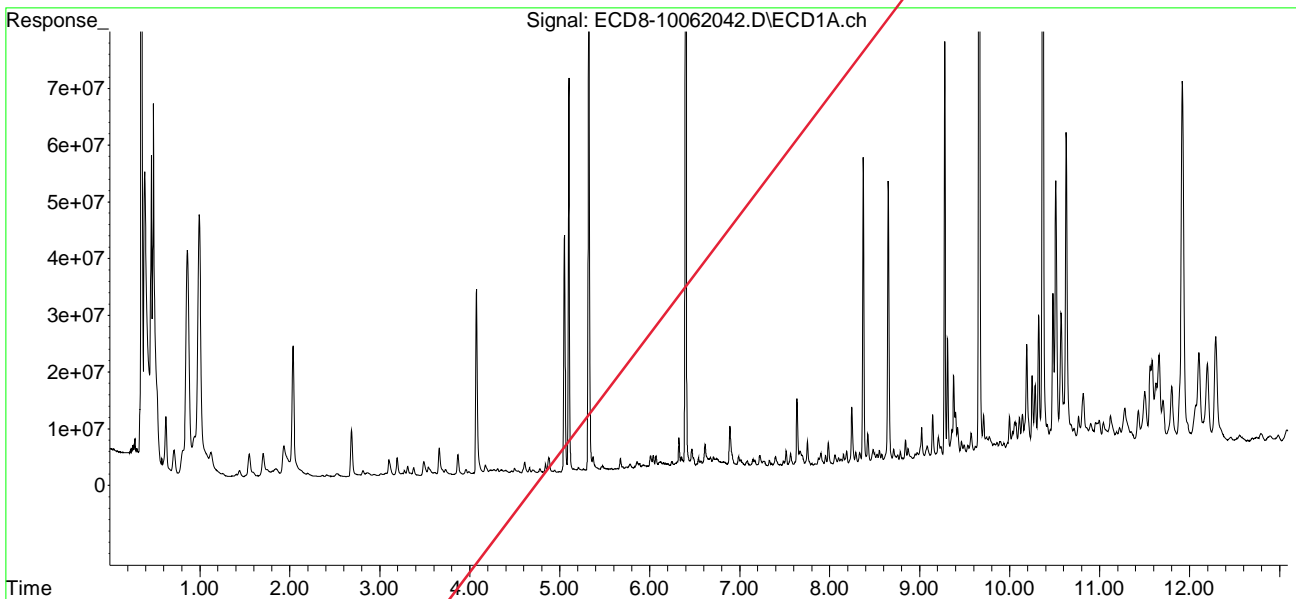
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.669	8.598	2547492	2023984	0.444	0.396
31)	Mirex	8.334	9.520	1770364	4092989	0.390	1.530 #
32)	Chlordane...	7.451	8.233	314511	1288564	0.695	2.917 #
33)	Chlordane...	7.515	8.312f	2634335	8176613	4.788	21.967 #
34)	Chlordane...	8.056	8.988	1588165	577345	10.950	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.330	8.430	1089503	816408	63.336	27.000 #
37)	Toxaphene...	7.637f	8.766	11830063	311081	362.159	7.916 #
38)	Toxaphene...	7.903	8.811	2037030	830771	27.035	13.137 #
39)	Toxaphene...	8.153	8.888	1709058	812951	20.674	1.793 #
40)	Toxaphene...	8.372	9.059	53762260	1896711	962.598	33.407 #
41)	Toxaphene...	8.424f	9.439	4971587	1265347	64.670	19.543 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:14
Operator : MJB
Sample : A0I0556-24RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:22:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:51
 Operator : MJB
 Sample : A0I0556-28RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

R-04

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:26:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.101	5.846	70266895	70114838	18.826	19.974
22) S DCBP (S)	9.277	10.360	68730785	64074487	22.472	30.182 #
Target Compounds						
2) a-BHC	5.643	6.454	404508	222462	0.082	0.091
3) g-BHC	5.924	6.752	985047	1116889	0.223	0.288 #
4) b-BHC	6.008	6.840	3659161	1121638	1.843	0.595 #
5) Heptachlor	6.325	7.161f	8299975	630217	1.960	0.132 #
6) d-BHC	6.152	7.093	754993	877496	0.183	0.264 #
7) Aldrin	0.000	7.402	0	410152	N.D.	0.103 #
8) Heptachlo...	7.009	7.842	3266264	456500	0.807	0.125 #
9) trans-Chl...	7.145f	7.972	2919723	1038215	0.706	0.280 #
10) cis-Chlor...	7.219	8.081	7612725	749425	1.856	0.211 #
11) Endosulfa...	7.303	8.135	591790	455714	0.157	0.138
12) 4,4'-DDE	7.271	8.199	1513143	6022673	0.370m	1.768 # P-01
13) Dieldrin	7.483	8.310f	622471	17510333	0.147	4.761 #
14) Endrin	7.635	8.560	24522347	709880	8.110	0.260 #
15) 4,4'-DDD	7.688	8.597	1825976	1459106	0.547	0.518
16) Endosulfa...	7.802	8.694	188486	2835012	0.058	0.966 #
17) 4,4'-DDT	7.904	8.833	1122485	849682	0.363	0.315
18) Endrin Al...	8.092	8.915f	1522417	3259353	0.462	1.145 #
19) Endosulfa...	8.372	9.140	63557831	6649741	21.944	2.737 #
20) Methoxychlor	8.245	9.326	13960029	7202221	9.211	4.857 #
21) Endrin Ke...	8.578	9.520	1459478	4677600	0.631	2.738 #
23) Hexachlor...	2.863f	3.561	599326	2094706	BelowCal	0.339
24) Hexachlor...	5.479	6.285f	1157889	849066	0.096	0.028 #
25) Oxychlorane	6.951	7.757	1072441	13284270	0.129	4.370 #
26) 2,4'-DDE	7.022	7.972	1554978	1038215	0.429m	0.266 #
27) trans-Non...	7.219	8.054	7612725	2924849	1.796	0.668 #
28) 2,4'-DDD	7.398	8.310f	2381862	17510333	0.872	8.710 # P-01
29) 2,4'-DDT	7.566f	8.560	1237980	709880	0.351	0.152 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:51
 Operator : MJB
 Sample : A0I0556-28RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:26:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

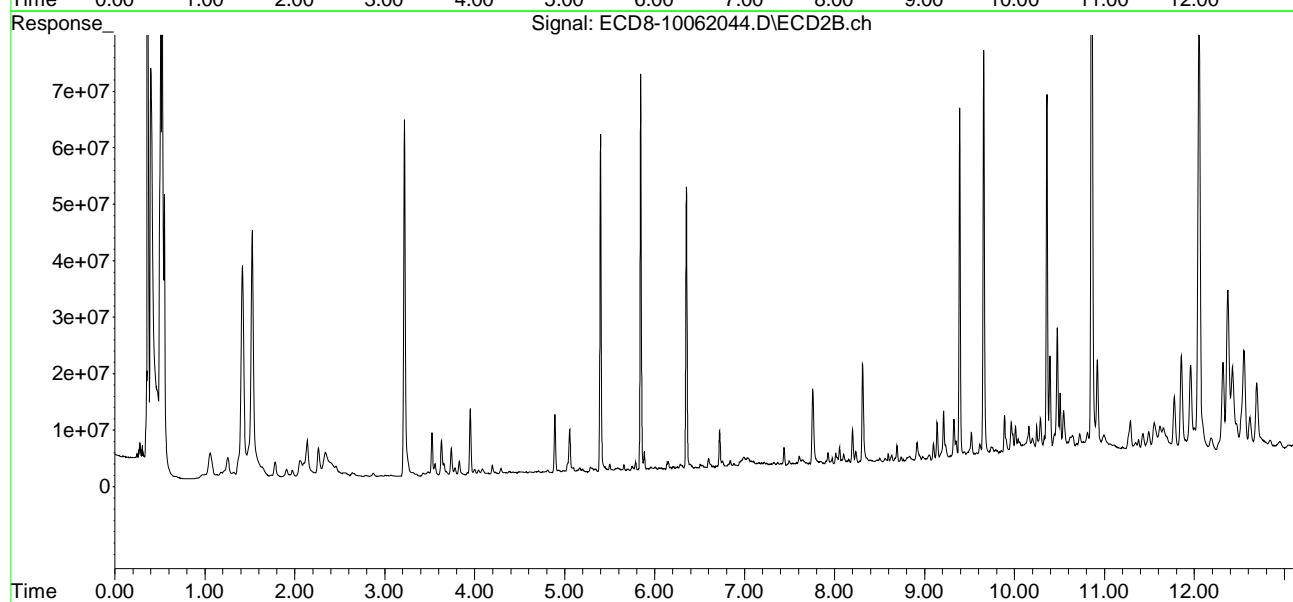
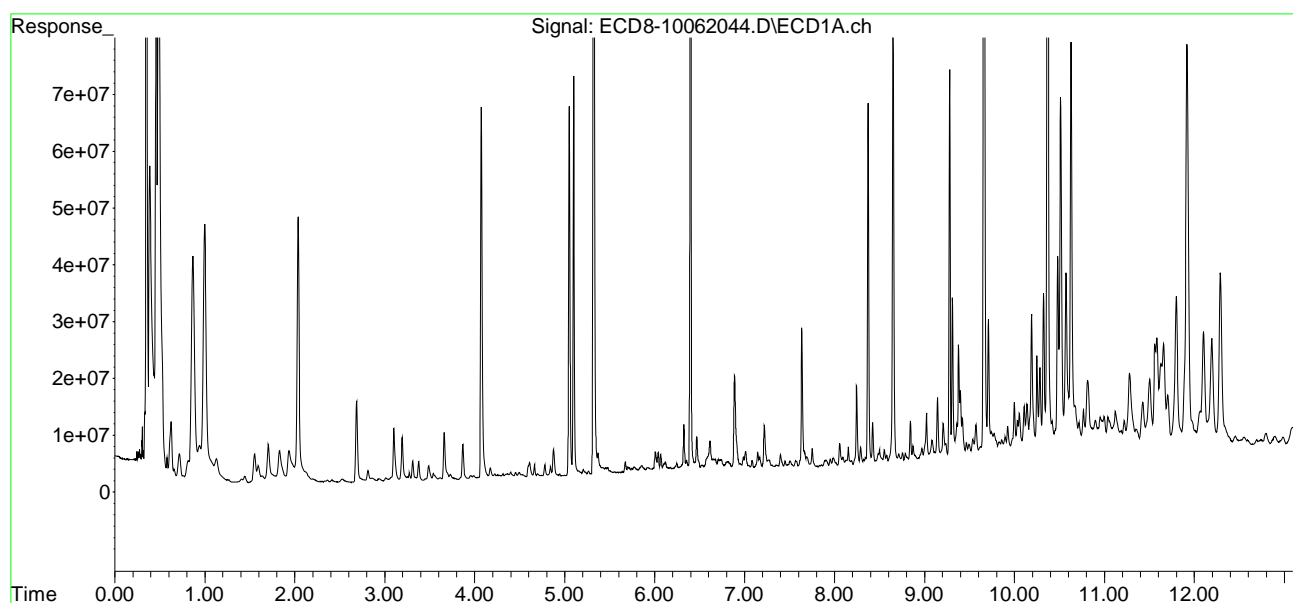
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.688	8.597	1825976	1459106	0.266	0.235
31)	Mirex	8.344	9.520	1247312	4677600	0.190	1.807 #
32)	Chlordane...	7.448	8.234	1212306	2041611	2.680	4.621 #
33)	Chlordane...	7.503f	8.310f	1214042	17510333	2.207	47.042 #
34)	Chlordane...	8.055	9.010	3972547	404707	27.390	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.303	8.421	591790	295992	34.402	9.789 #
37)	Toxaphene...	7.635f	8.764	24522347	408370	756.452	10.392 #
38)	Toxaphene...	7.904	8.833f	1122485	849682	14.897	13.437
39)	Toxaphene...	8.152	8.833f	3232569	849682	43.506	2.197 #
40)	Toxaphene...	8.372	9.055	63557831	958586	1137.985	16.884 #
41)	Toxaphene...	8.424f	9.439	7302964	1364907	94.996	21.080 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:51
Operator : MJB
Sample : A0I0556-28RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

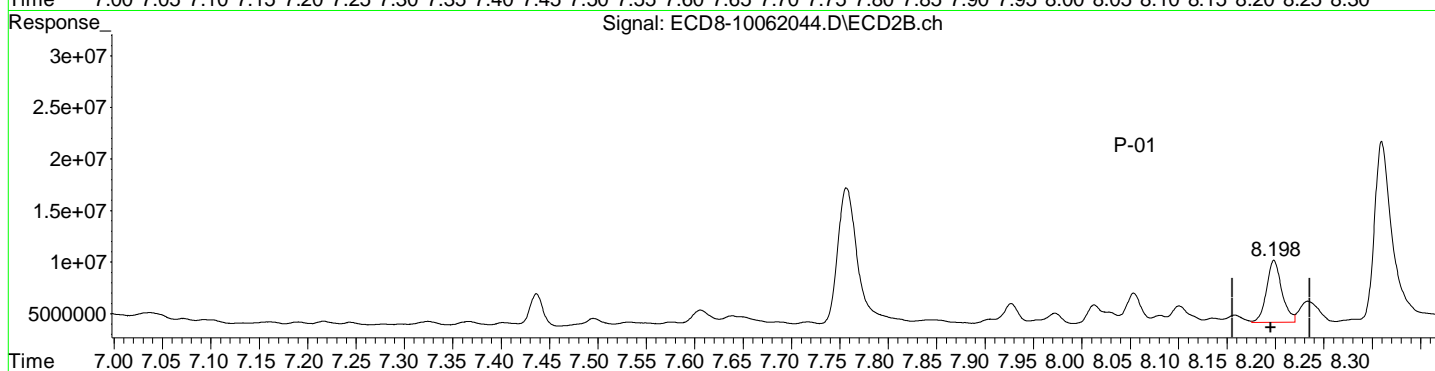
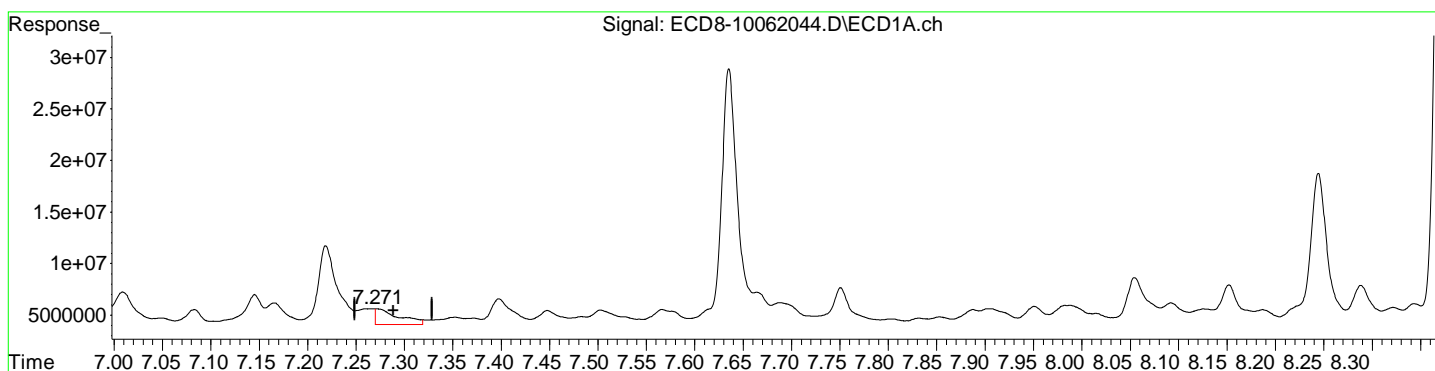
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:51
Operator : MJB
Sample : A0I0556-28RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

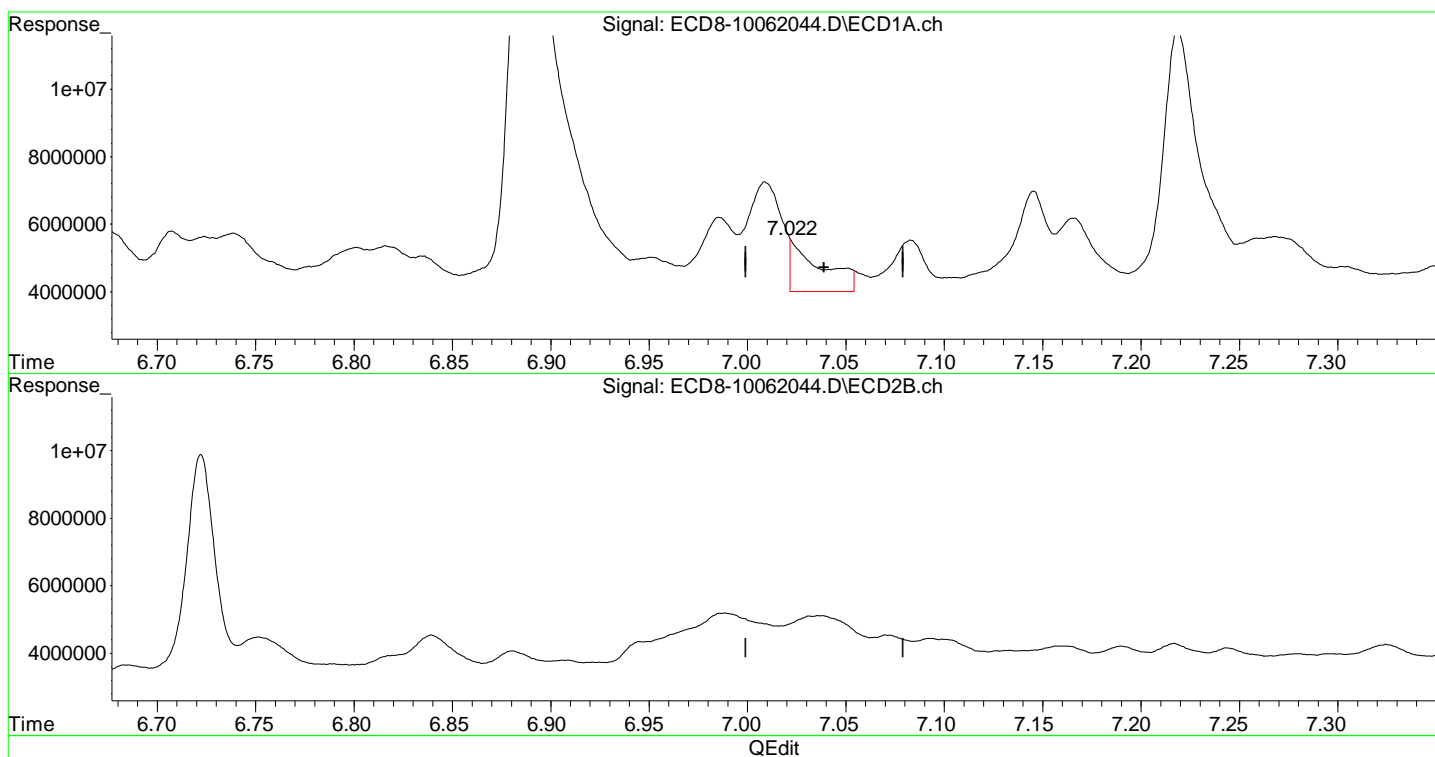
(12) 4,4'-DDE	
7.271min	0.370 ng/mL m
response	1513143
(12) 4,4'-DDE #2	
8.199min	1.768 ng/mL
response	6022673

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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:51
Operator : MJB
Sample : A0I0556-28RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.022min 0.429 ng/mL m
response 1554978

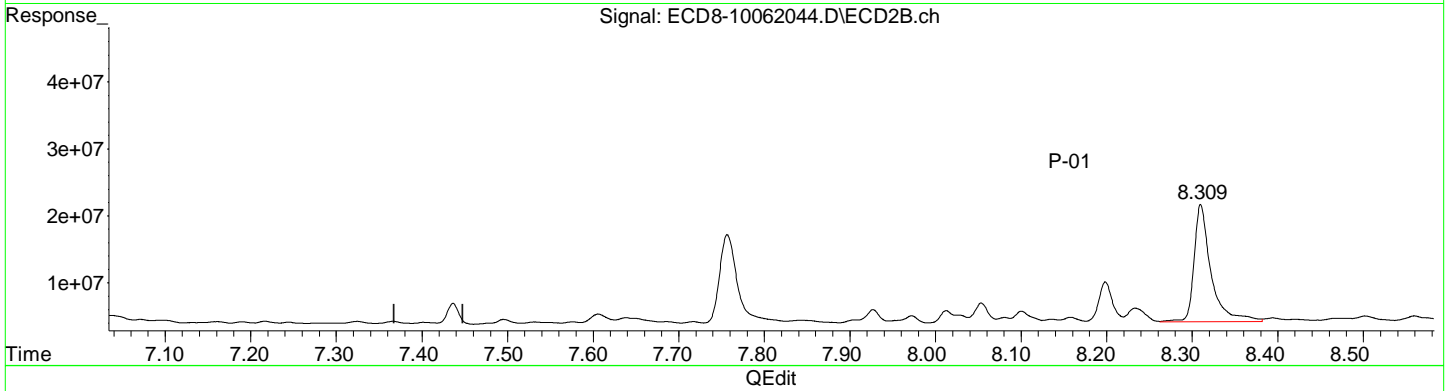
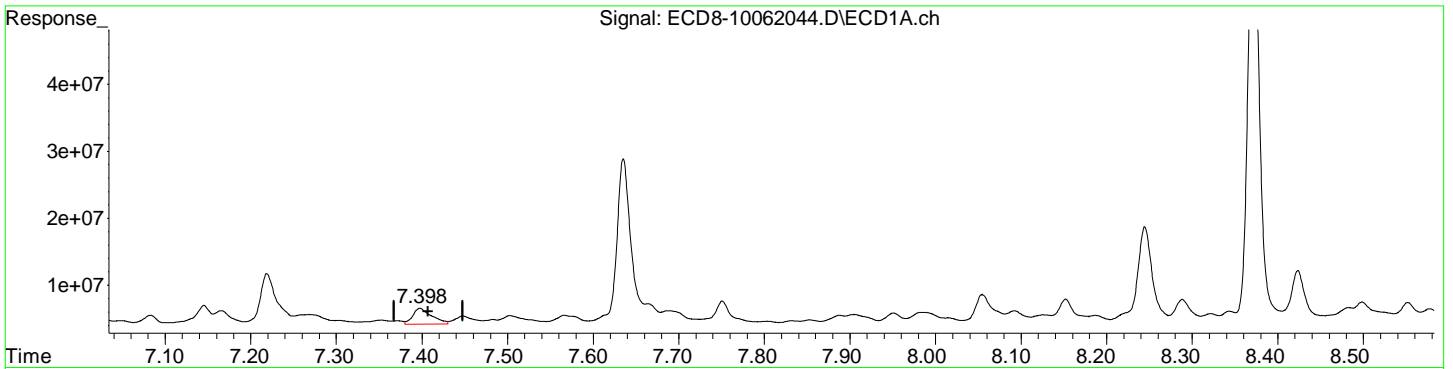
MJB 10/7/20

(26) 2,4'-DDE #2
7.972min 0.266 ng/mL
response 1038215

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:51
Operator : MJB
Sample : A0I0556-28RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.398min 0.872 ng/mL
response 2381862

MJB 10/7/20

(28) 2,4'-DDD #2
8.310min 8.710 ng/mL
response 17510333

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:51
 Operator : MJB
 Sample : A0I0556-28RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:26:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.101	5.846	70266895	70114838	18.826	19.974
22) S DCBP (S)	9.277	10.360	68730785	64074487	22.472	30.182 #
Target Compounds						
2) a-BHC	5.643	6.454	404508	222462	0.082	0.091
3) g-BHC	5.924	6.752	985047	1116889	0.223	0.288 #
4) b-BHC	6.008	6.840	3659161	1121638	1.843	0.595 #
5) Heptachlor	6.325	7.161f	8299975	630217	1.960	0.132 #
6) d-BHC	6.152	7.093	754993	877496	0.183	0.264 #
7) Aldrin	0.000	7.402	0	410152	N.D.	0.103 #
8) Heptachlo...	7.009	7.842	3266264	456500	0.807	0.125 #
9) trans-Chl...	7.145f	7.972	2919723	1038215	0.706	0.280 #
10) cis-Chlor...	7.219	8.081	7612725	749425	1.856	0.211 #
11) Endosulfa...	7.303	8.135	591790	455714	0.157	0.138
12) 4,4'-DDE	7.303	8.199	591790	6022673	0.145	1.768 #
13) Dieldrin	7.483	8.310f	622471	17510333	0.147	4.761 #
14) Endrin	7.635	8.560	24522347	709880	8.110	0.260 #
15) 4,4'-DDD	7.688	8.597	1825976	1459106	0.547	0.518
16) Endosulfa...	7.802	8.694	188486	2835012	0.058	0.966 #
17) 4,4'-DDT	7.904	8.833	1122485	849682	0.363	0.315
18) Endrin Al...	8.092	8.915f	1522417	3259353	0.462	1.145 #
19) Endosulfa...	8.372	9.140	63557831	6649741	21.944	2.737 #
20) Methoxychlor	8.245	9.326	13960029	7202221	9.211	4.857 #
21) Endrin Ke...	8.578	9.520	1459478	4677600	0.631	2.738 #
23) Hexachlor...	2.863f	3.561	599326	2094706	BelowCal	0.339
24) Hexachlor...	5.479	6.285f	1157889	849066	0.096	0.028 #
25) Oxychlorane	6.951	7.757	1072441	13284270	0.129	4.370 #
26) 2,4'-DDE	7.050	7.972	686372	1038215	0.089	0.266 #
27) trans-Non...	7.219	8.054	7612725	2924849	1.796	0.668 #
28) 2,4'-DDD	7.398	8.310f	2381862	17510333	0.872	8.710 #
29) 2,4'-DDT	7.566f	8.560	1237980	709880	0.351	0.152 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 00:51
 Operator : MJB
 Sample : A0I0556-28RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:26:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

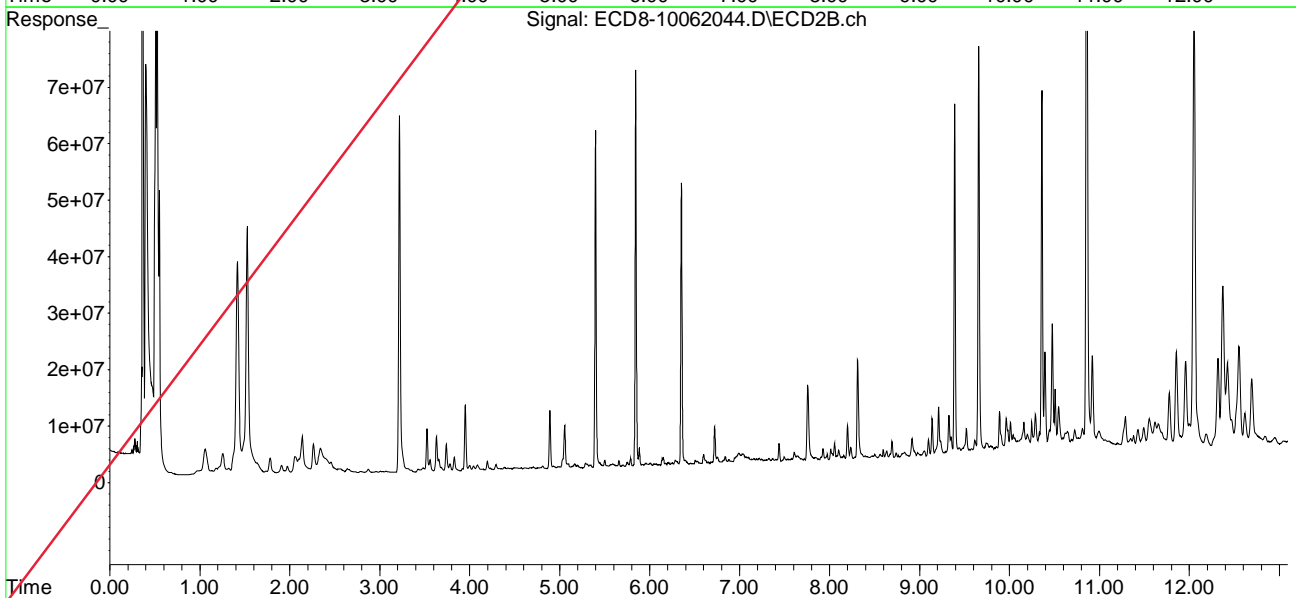
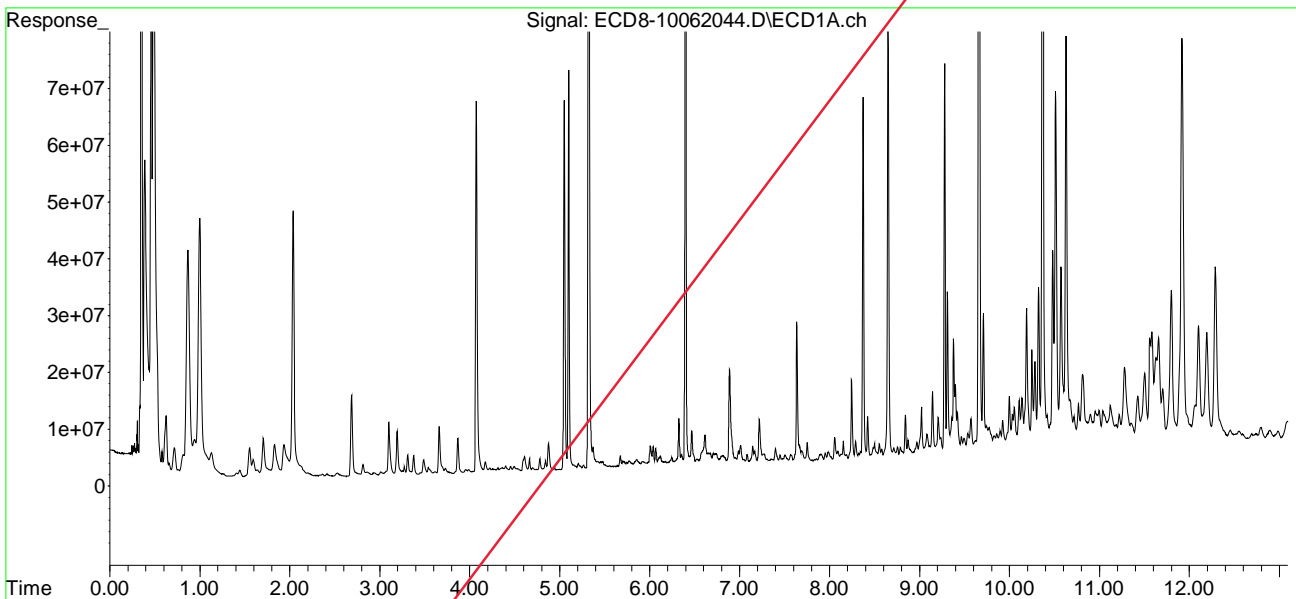
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.688	8.597	1825976	1459106	0.266	0.235
31)	Mirex	8.344	9.520	1247312	4677600	0.190	1.807 #
32)	Chlordane...	7.448	8.234	1212306	2041611	2.680	4.621 #
33)	Chlordane...	7.503f	8.310f	1214042	17510333	2.207	47.042 #
34)	Chlordane...	8.055	9.010	3972547	404707	27.390	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.303	8.421	591790	295992	34.402	9.789 #
37)	Toxaphene...	7.635f	8.764	24522347	408370	756.452	10.392 #
38)	Toxaphene...	7.904	8.833f	1122485	849682	14.897	13.437
39)	Toxaphene...	8.152	8.833f	3232569	849682	43.506	2.197 #
40)	Toxaphene...	8.372	9.055	63557831	958586	1137.985	16.884 #
41)	Toxaphene...	8.424f	9.439	7302964	1364907	94.996	21.080 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 00:51
Operator : MJB
Sample : A0I0556-28RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062046.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 1:28
 Operator : MJB
 Sample : A0I0556-04RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:40:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	

System Monitoring Compounds							
1) S TCMX (S)	5.102	5.845	60194282	28937730	16.127	8.244 #	S-03
22) S DCBP (S)	9.276	10.360	21414015	21064818	6.852	9.944 #	
Target Compounds							
2) a-BHC	5.640	6.437	15956626	24873826	3.240	5.623 #	
3) g-BHC	5.923	6.733f	15535436	2143.4E6	3.512	346.382 #	
4) b-BHC	6.006	6.841	22551602	29117473	11.359	15.445 #	
5) Heptachlor	6.325	7.142	617.1E6	21379856	145.762	5.535 #	
6) d-BHC	6.152	7.073	21655893	20522072	5.250	5.399	
7) Aldrin	6.565	7.402	35608047	18051093	8.160	4.895 #	
8) Heptachlo...	7.032	7.834	22030998	22057030	5.440	6.025	
9) trans-Chl...	7.114	7.966	24740437	25455014	5.979	6.870	
10) cis-Chlor...	7.219	8.080	40397854	12455533	9.851	3.511 #	
11) Endosulfa...	7.333f	8.158f	48082152	28591352	12.744	8.632 #	
12) 4,4'-DDE	7.279	8.197	27950528	82143900	6.837	R-0223.014 #	P-01
13) Dieldrin	7.489	8.337	18881297	44938772	4.465	12.219 #	
14) Endrin	7.636	8.568	71311788	10961333	23.585	4.475 #	
15) 4,4'-DDD	7.694	8.601	123.1E6	119.1E6	36.844	39.067	
16) Endosulfa...	7.806	8.694	11018342	30208009	3.407	10.297 #	
17) 4,4'-DDT	7.904	8.833	16104906	11395134	5.212	4.379	R-02
18) Endrin Al...	8.053f	8.948	20299724	10750479	6.165	3.776 #	
19) Endosulfa...	8.372	9.140	54007103	17386117	18.647	7.181 #	
20) Methoxychlor	8.246	9.326	26397846	17202626	17.418	11.602 #	
21) Endrin Ke...	8.579	9.520	9693403	11695002	4.194	6.944 #	
23) Hexachlor...	2.881	3.560	746881	2143431	BelowCal	0.352	
24) Hexachlor...	5.476	6.281f	21365700	17591538	5.792	5.096	
25) Oxychlorane	6.954	7.755	14295344	35192617	4.000	11.867 #	
26) 2,4'-DDE	7.032	7.966	22030998	25455014	8.426	R-0211.197 #	P-01
27) trans-Non...	7.219	8.052	40397854	19883806	10.532	5.978 #	
28) 2,4'-DDD	7.397	8.337	53287812	44938772	23.582	22.280	
29) 2,4'-DDT	7.572	8.568	14163421	10961333	5.921m	5.203	R-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062046.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 1:28
 Operator : MJB
 Sample : A0I0556-04RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:40:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

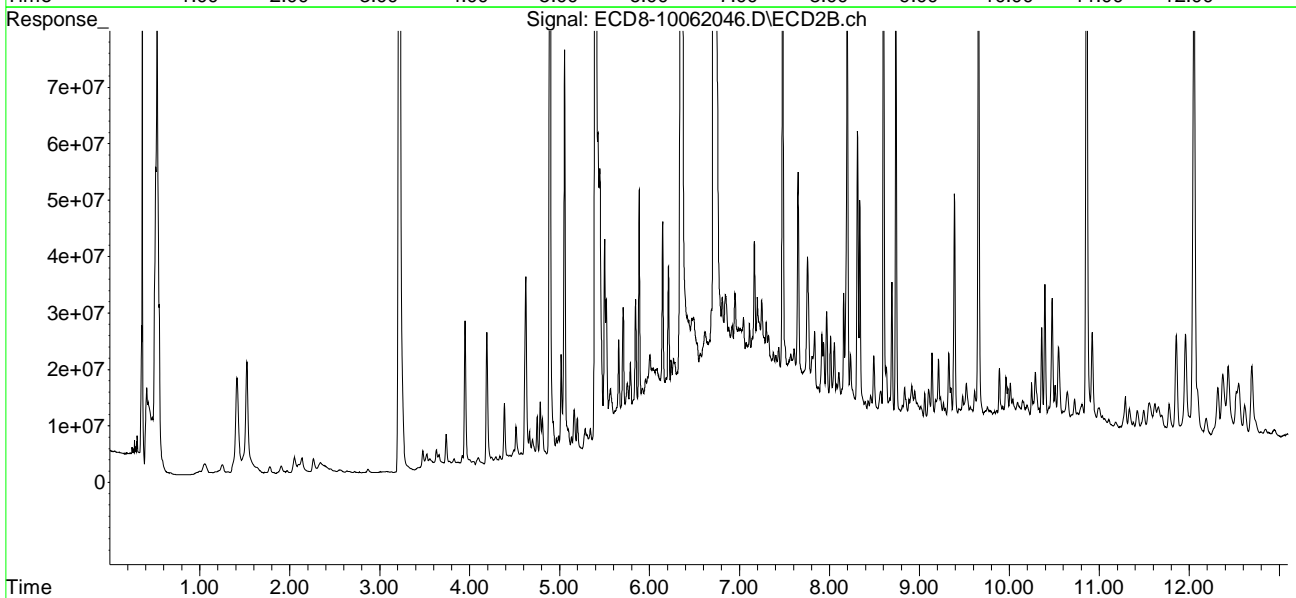
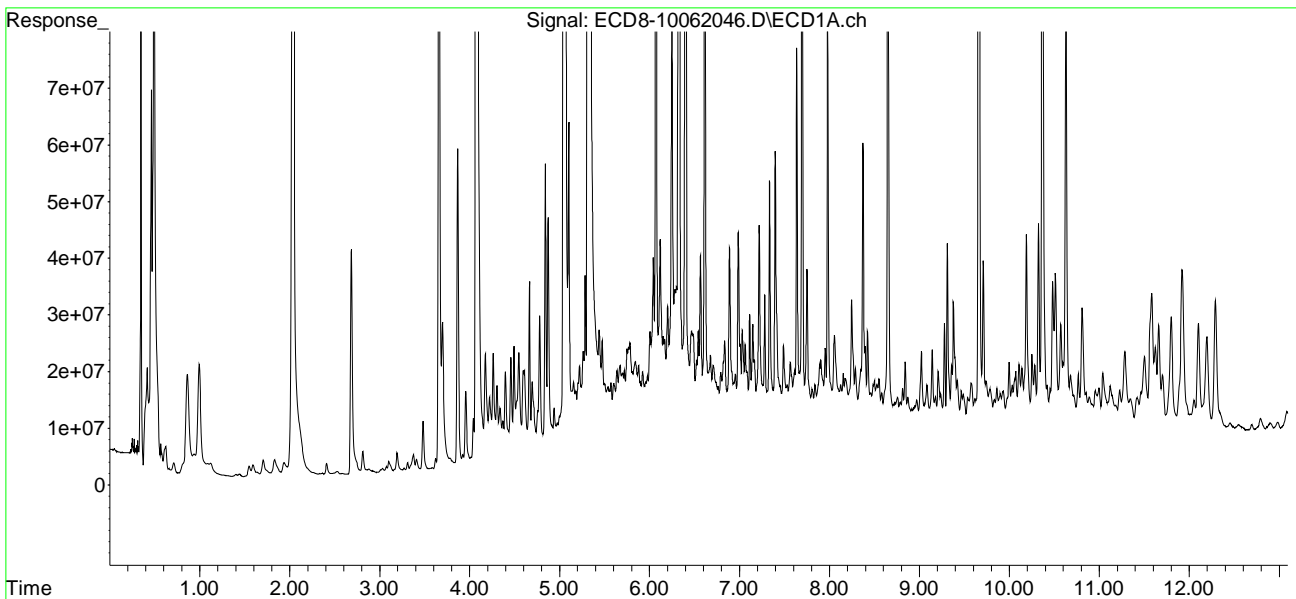
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.694	8.601	123.1E6	119.1E6	30.003	32.507
31)	Mirex	8.348	9.520	14055955	11695002	5.092	5.124
32)	Chlordane...	7.397f	8.231	53287812	17572168	117.791	39.773 #
33)	Chlordane...	7.528	8.337	11922032	44938772	21.668	120.729 #
34)	Chlordane...	8.053	9.012	20299724	7937847	139.962	64.628 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.333	8.430	48082152	9329433	2795.156	308.543 #
37)	Toxaphene...	7.611	8.737f	14474030	82429646	444.089	2097.612 #
38)	Toxaphene...	7.904	8.811	16104906	8261487	213.738	130.644 #
39)	Toxaphene...	8.152	8.884	13593015	9298115	197.616	94.125 #
40)	Toxaphene...	8.372	9.059	54007103	10276755	966.982	181.007 #
41)	Toxaphene...	8.457	9.438	9802005	7278790	127.503	112.418
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

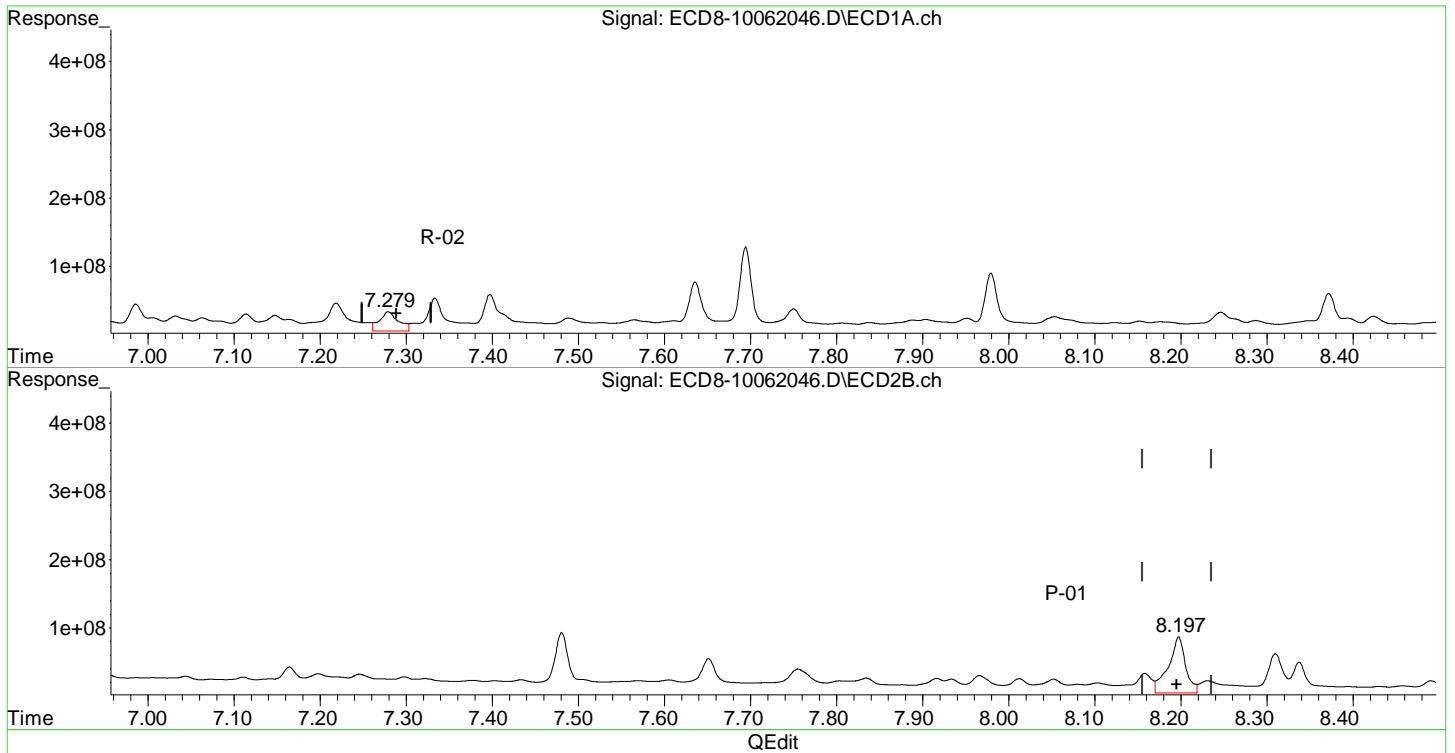
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.279min 6.837 ng/mL
response 27950528

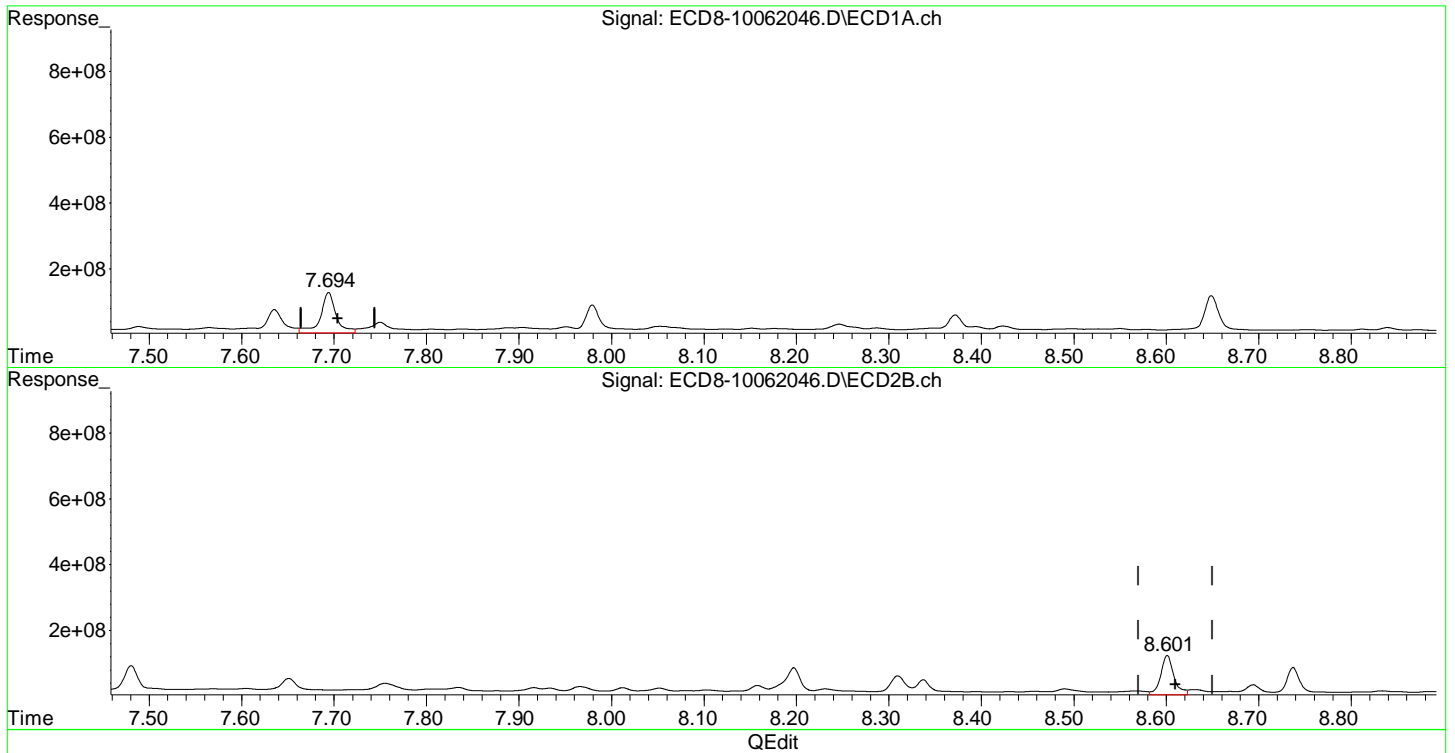
MJB 10/7/20

(12) 4,4'-DDE #2
8.197min 23.014 ng/mL
response 82143900

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.694min 36.844 ng/mL
response 123055885

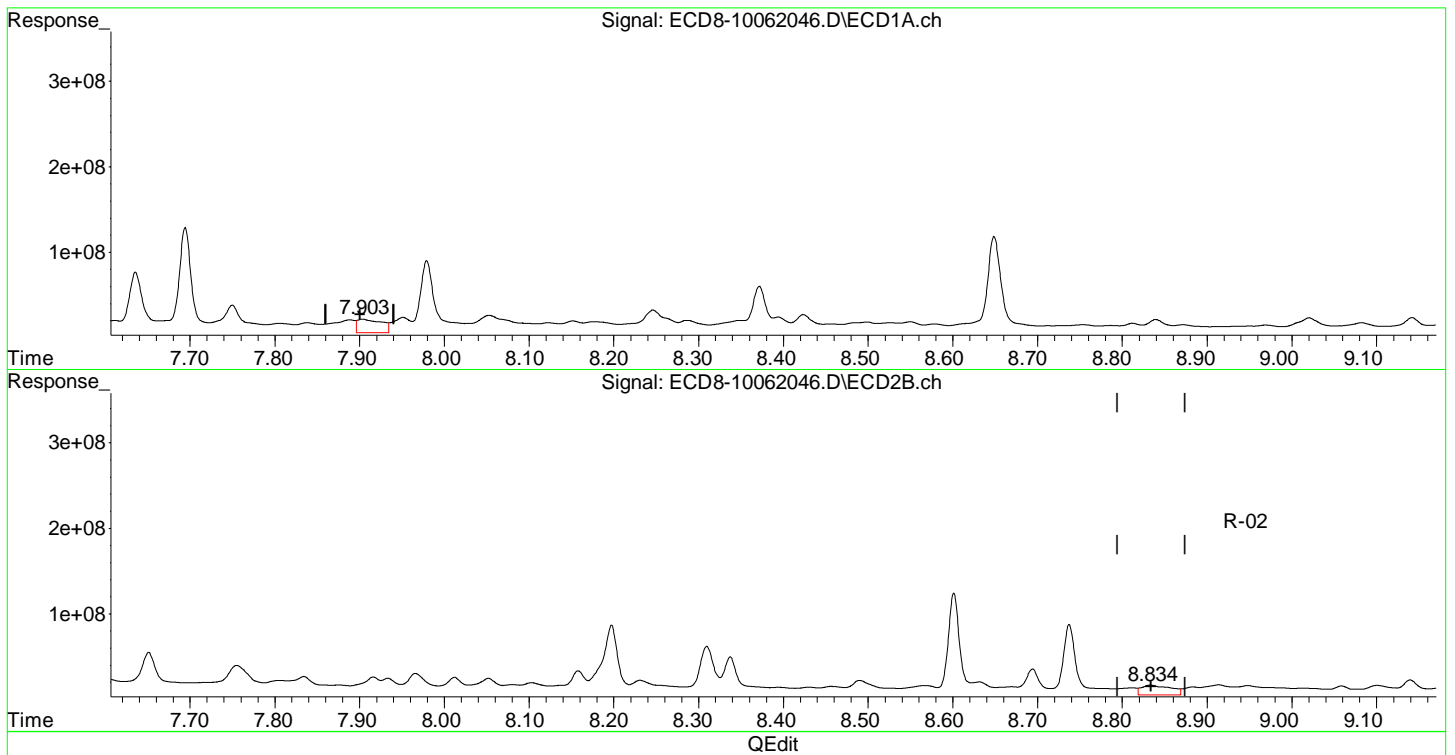
MJB 10/7/20

(15) 4,4'-DDD #2
8.601min 39.067 ng/mL
response 119065541

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.904min 5.212 ng/mL
response 16104906

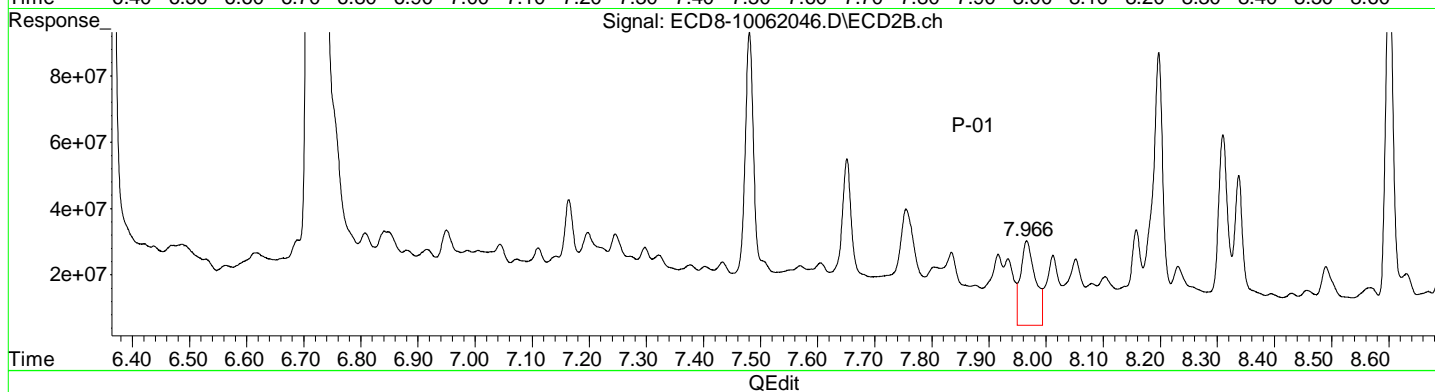
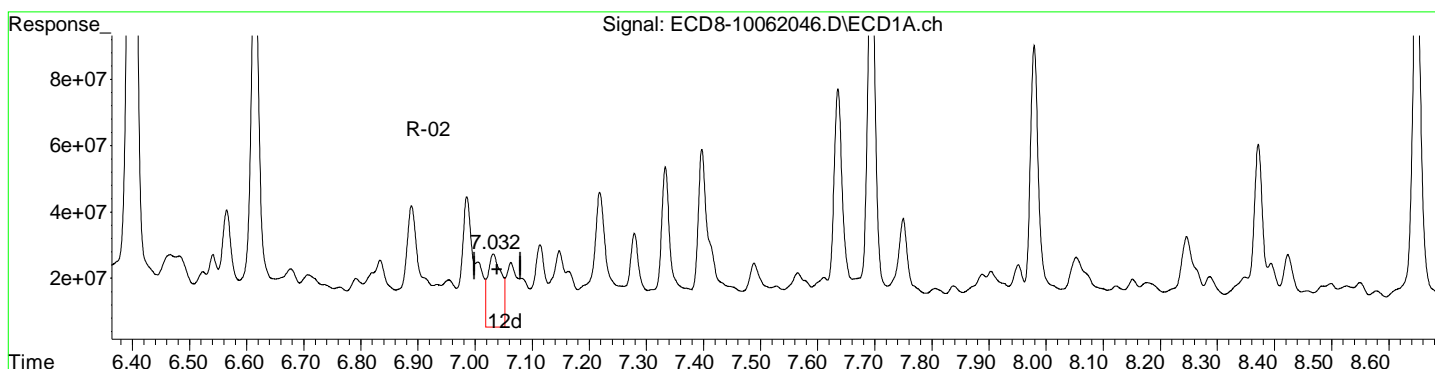
MJB 10/7/20

(17) 4,4'-DDT #2
8.833min 4.379 ng/mL
response 11395134

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.032min 8.426 ng/mL
response 22030998

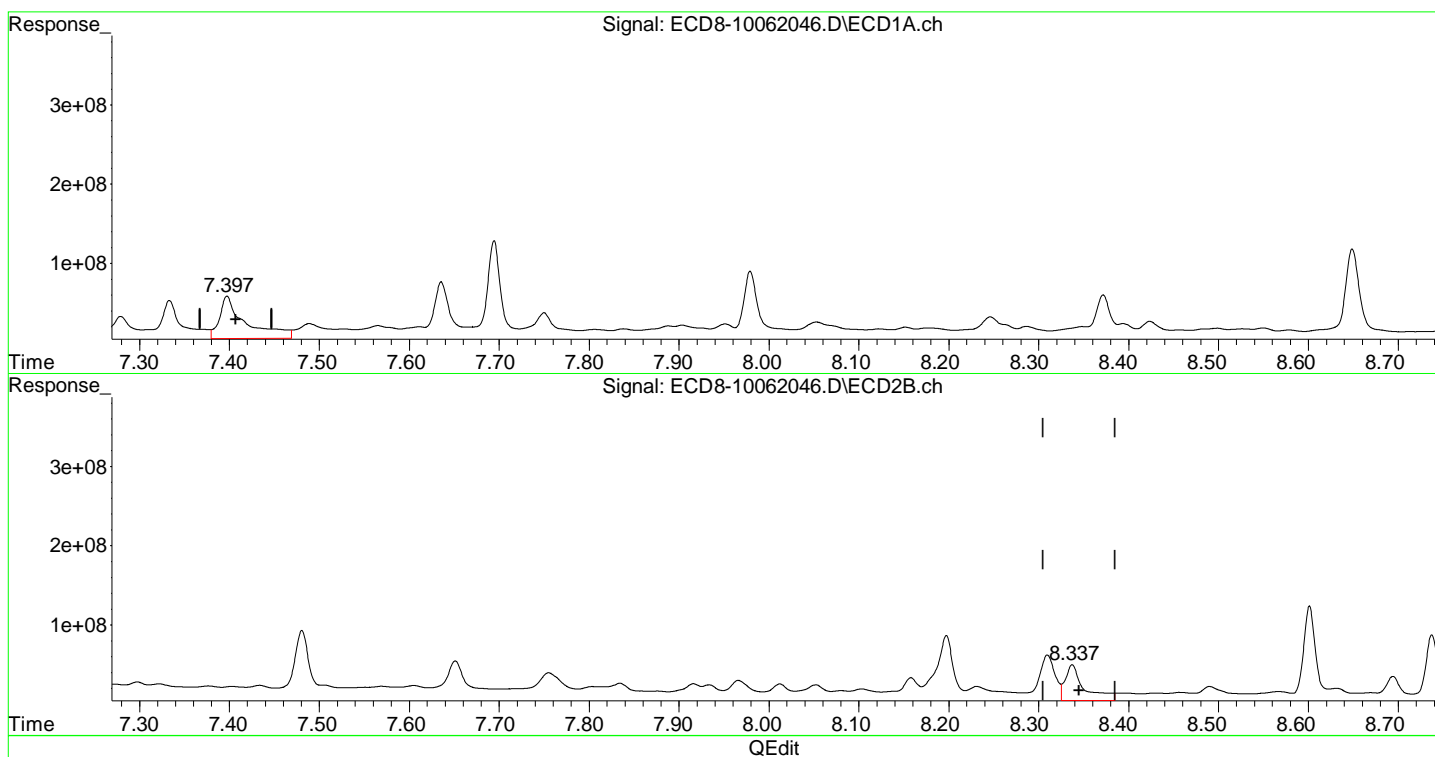
MJB 10/7/20

(26) 2,4'-DDE #2
7.966min 11.197 ng/mL
response 25455014

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.397min 23.582 ng/mL
response 53287812

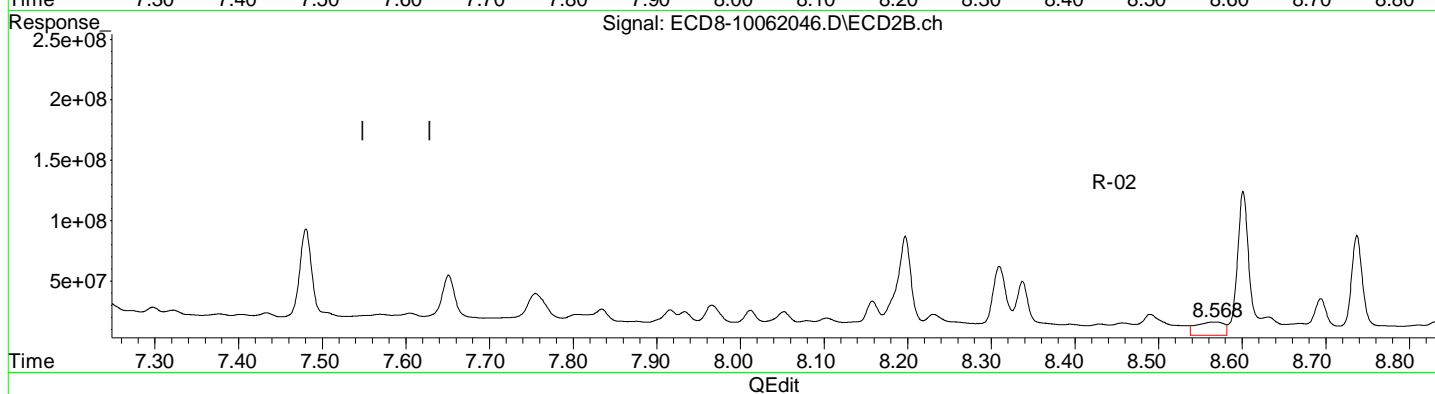
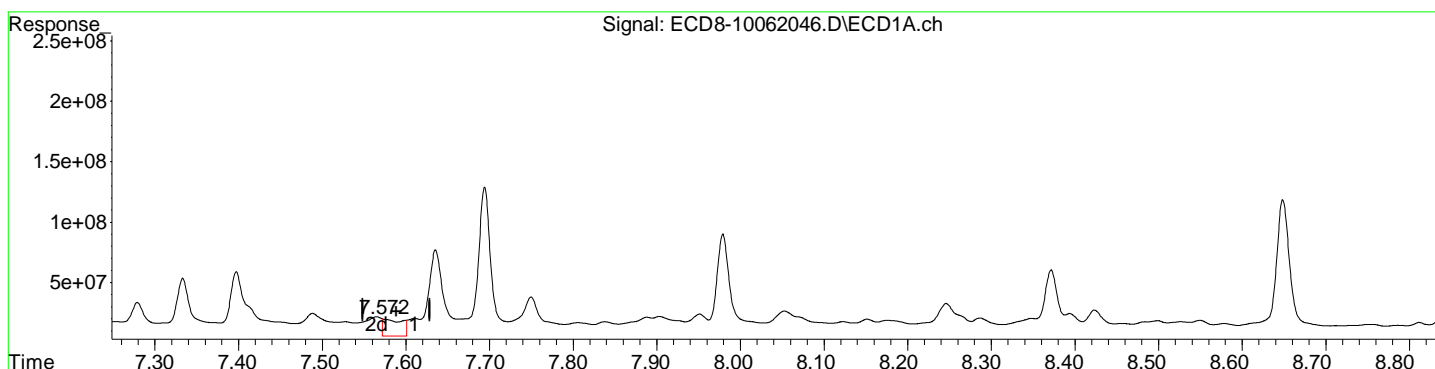
MJB 10/7/20

(28) 2,4'-DDD #2
8.337min 22.280 ng/mL
response 44938772

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.572min 5.921 ng/mL m
response 14163421

MJB 10/7/20

(29) 2,4'-DDT #2
8.568min 5.203 ng/mL
response 10961333

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062046.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 1:28
 Operator : MJB
 Sample : A0I0556-04RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:40:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.102	5.845	60194282	28937730	16.127	8.244 #
22) S DCBP (S)	9.276	10.360	21414015	21064818	6.852	9.944 #
Target Compounds						
2) a-BHC	5.640	6.437	15956626	24873826	3.240	5.623 #
3) g-BHC	5.923	6.733f	15535436	2143.4E6	3.512	346.382 #
4) b-BHC	6.006	6.841	22551602	29117473	11.359	15.445 #
5) Heptachlor	6.325	7.142	617.1E6	21379856	145.762	5.535 #
6) d-BHC	6.152	7.073	21655893	20522072	5.250	5.399
7) Aldrin	6.565	7.402	35608047	18051093	8.160	4.895 #
8) Heptachlo...	7.032	7.834	22030998	22057030	5.440	6.025
9) trans-Chl...	7.114	7.966	24740437	25455014	5.979	6.870
10) cis-Chlor...	7.219	8.080	40397854	12455533	9.851	3.511 #
11) Endosulfa...	7.333f	8.158f	48082152	28591352	12.744	8.632 #
12) 4,4'-DDE	7.279	8.197	27950528	82143900	6.837	23.014 #
13) Dieldrin	7.489	8.337	18881297	44938772	4.465	12.219 #
14) Endrin	7.636	8.568	71311788	10961333	23.585	4.475 #
15) 4,4'-DDD	7.694	8.601	123.1E6	119.1E6	36.844	39.067
16) Endosulfa...	7.806	8.694	11018342	30208009	3.407	10.297 #
17) 4,4'-DDT	7.904	8.833	16104906	11395134	5.212	4.379
18) Endrin Al...	8.053f	8.948	20299724	10750479	6.165	3.776 #
19) Endosulfa...	8.372	9.140	54007103	17386117	18.647	7.181 #
20) Methoxychlor	8.246	9.326	26397846	17202626	17.418	11.602 #
21) Endrin Ke...	8.579	9.520	9693403	11695002	4.194	6.944 #
23) Hexachlor...	2.881	3.560	746881	2143431	BelowCal	0.352
24) Hexachlor...	5.476	6.281f	21365700	17591538	5.792	5.096
25) Oxychlorane	6.954	7.755	14295344	35192617	4.000	11.867 #
26) 2,4'-DDE	7.032	7.966	22030998	25455014	8.426	11.197 #
27) trans-Non...	7.219	8.052	40397854	19883806	10.532	5.978 #
28) 2,4'-DDD	7.397	8.337	53287812	44938772	23.582	22.280
29) 2,4'-DDT	7.611f	8.568	14474030	10961333	6.054	5.203

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062046.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 1:28
 Operator : MJB
 Sample : A0I0556-04RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:40:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

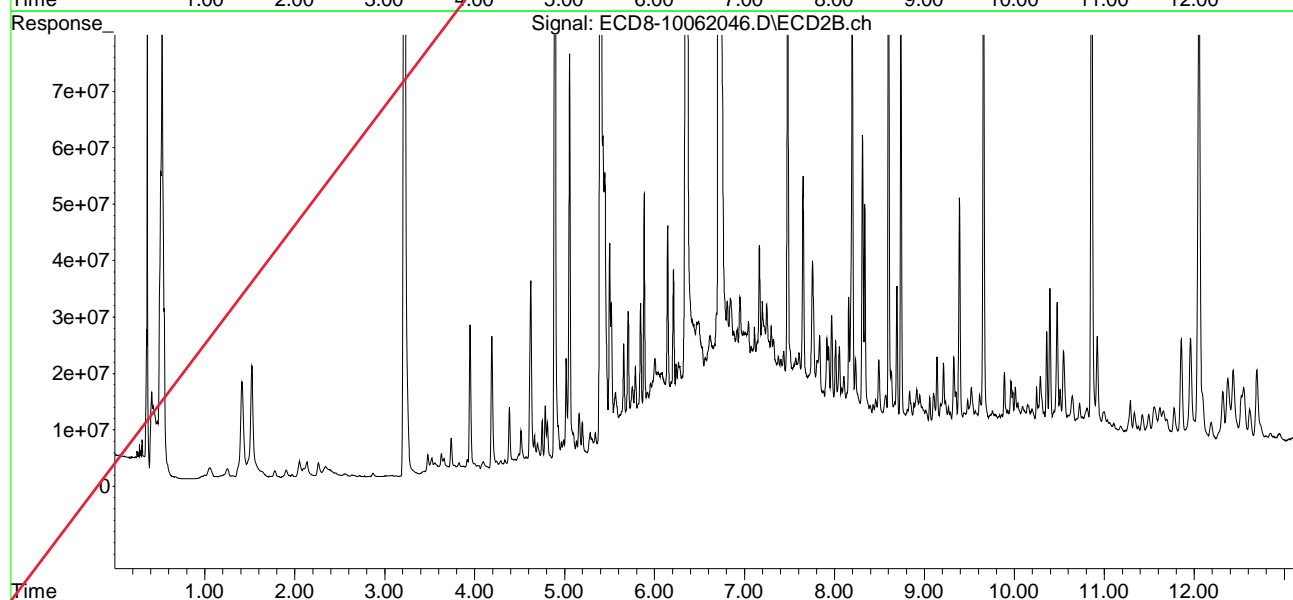
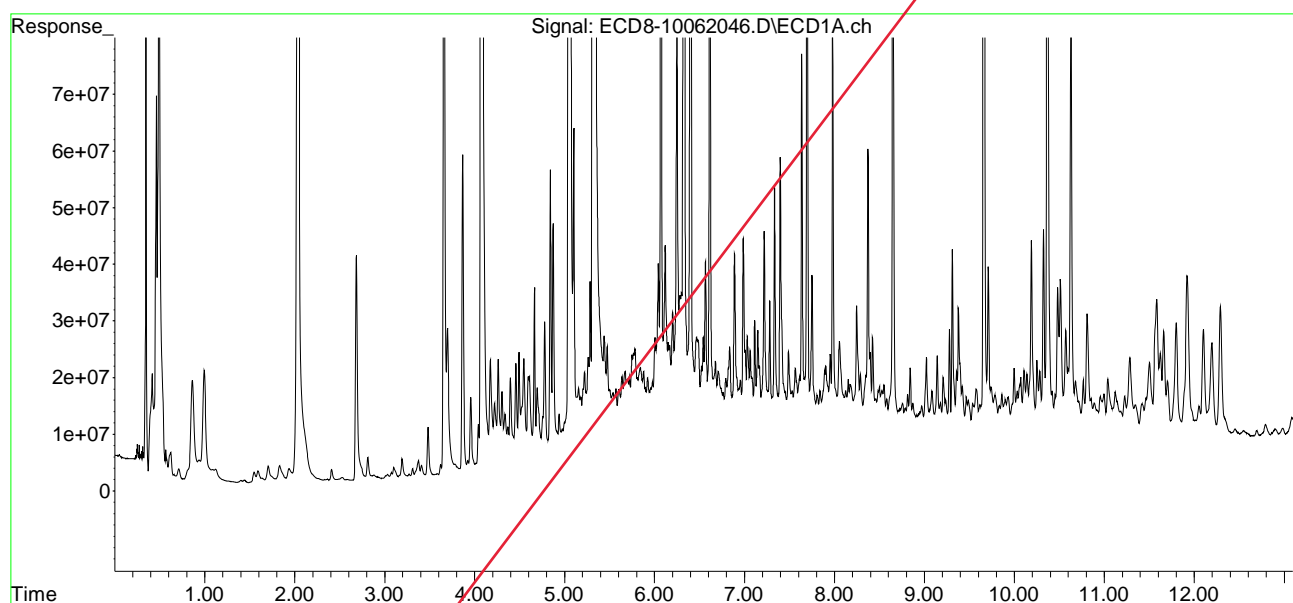
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.694	8.601	123.1E6	119.1E6	30.003	32.507
31)	Mirex	8.348	9.520	14055955	11695002	5.092	5.124
32)	Chlordane...	7.397f	8.231	53287812	17572168	117.791	39.773 #
33)	Chlordane...	7.528	8.337	11922032	44938772	21.668	120.729 #
34)	Chlordane...	8.053	9.012	20299724	7937847	139.962	64.628 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.333	8.430	48082152	9329433	2795.156	308.543 #
37)	Toxaphene...	7.611	8.737f	14474030	82429646	444.089	2097.612 #
38)	Toxaphene...	7.904	8.811	16104906	8261487	213.738	130.644 #
39)	Toxaphene...	8.152	8.884	13593015	9298115	197.616	94.125 #
40)	Toxaphene...	8.372	9.059	54007103	10276755	966.982	181.007 #
41)	Toxaphene...	8.457	9.438	9802005	7278790	127.503	112.418
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 1:28
Operator : MJB
Sample : A0I0556-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:40:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062048.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:05
 Operator : MJB
 Sample : 0100091-DUP1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:14:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	

System Monitoring Compounds							
1) S TCMX (S)	5.102	5.844	52834271	24559449	14.156	6.996	# S-03
22) S DCBP (S)	9.276	10.360	20511189	19667217	6.554	9.273	#
Target Compounds							
2) a-BHC	5.641	6.470	10308509	14379882	2.093	3.280	#
3) g-BHC	5.923	6.807f	11024401	16254721	2.492	4.175	#
4) b-BHC	6.006	6.847	17110958	19281684	8.618	10.228	#
5) Heptachlor	6.326	7.139	393.6E6	14457157	92.962	3.742	#
6) d-BHC	6.152	7.072	17738500	14366409	4.300	3.799	#
7) Aldrin	6.565	7.403	30835337	13490477	7.066	3.663	#
8) Heptachlo...	7.031	7.833	20207194	16655272	4.990	4.550	#
9) trans-Chl...	7.113	7.965	14852887	22248571	3.590	6.004	#
10) cis-Chlor...	7.218	8.079	42738834	10639390	10.421	2.999	#
11) Endosulfa...	7.333f	8.158f	43608647	22714361	11.558	6.857	#
12) 4,4'-DDE	7.279	8.196	26059516	78974606	6.374	22.159	# P-01
13) Dieldrin	7.489	8.336	14837120	41852618	3.508	11.380	#
14) Endrin	7.635	8.570	59771965	10175240	19.768	4.154	#
15) 4,4'-DDD	7.694	8.600	115.6E6	110.6E6	34.618	36.453	#
16) Endosulfa...	7.807	8.693	9290257	43891039	2.873	14.961	#
17) 4,4'-DDT	7.903	8.833	14158781	10657335	4.582	4.097	R-02
18) Endrin Al...	8.052f	8.949	19473677	9832234	5.914	3.454	#
19) Endosulfa...	8.372	9.139	47017752	15624426	16.233	6.456	#
20) Methoxychlor	8.246	9.326	23349085	15237183	15.407	10.276	#
21) Endrin Ke...	8.577	9.520	8746204	10935384	3.784	6.492	#
23) Hexachlor...	2.882	3.559	469356	1336604	BelowCal	0.134	#
24) Hexachlor...	5.476	6.302	17263329	10703381	4.637	3.019	#
25) Oxychlorane	6.954	7.755	12156654	42009060	3.374	14.174	#
26) 2,4'-DDE	7.031	7.965	20207194	22248571	7.715	9.780	# P-01
27) trans-Non...	7.218	8.051	42738834	22993923	11.156	6.944	#
28) 2,4'-DDD	7.398	8.336	52279647	41852618	23.134	20.776	#
29) 2,4'-DDT	7.602	8.570	12148124	10175240	5.054m	4.819	R-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062048.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:05
 Operator : MJB
 Sample : 0100091-DUP1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:14:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

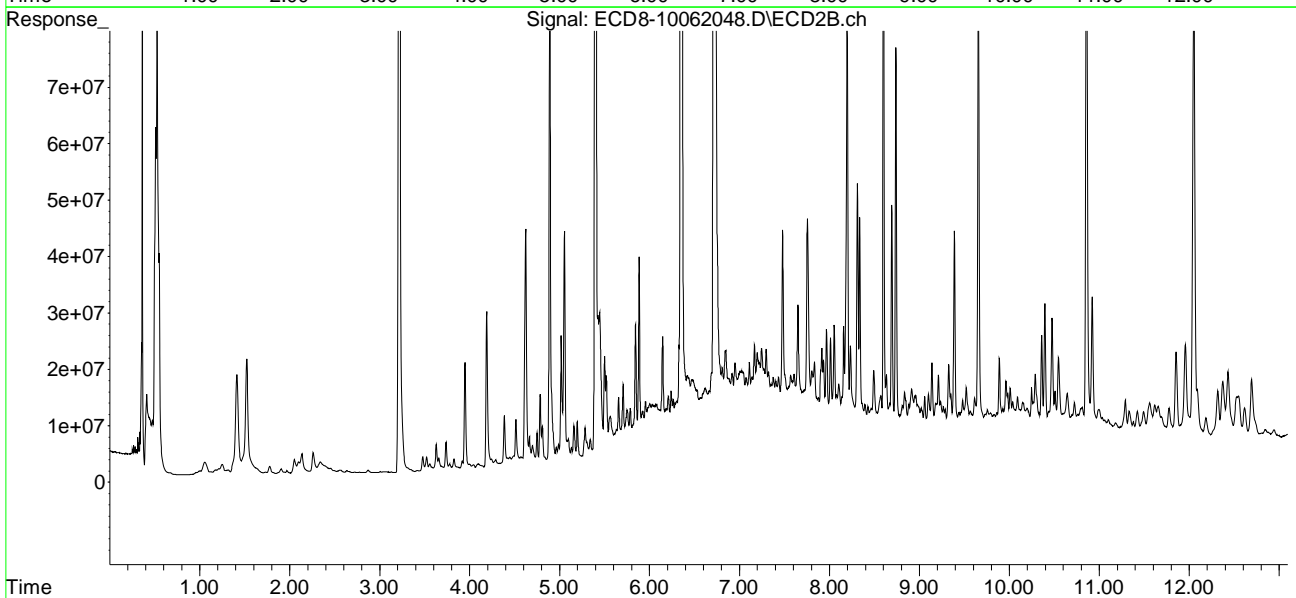
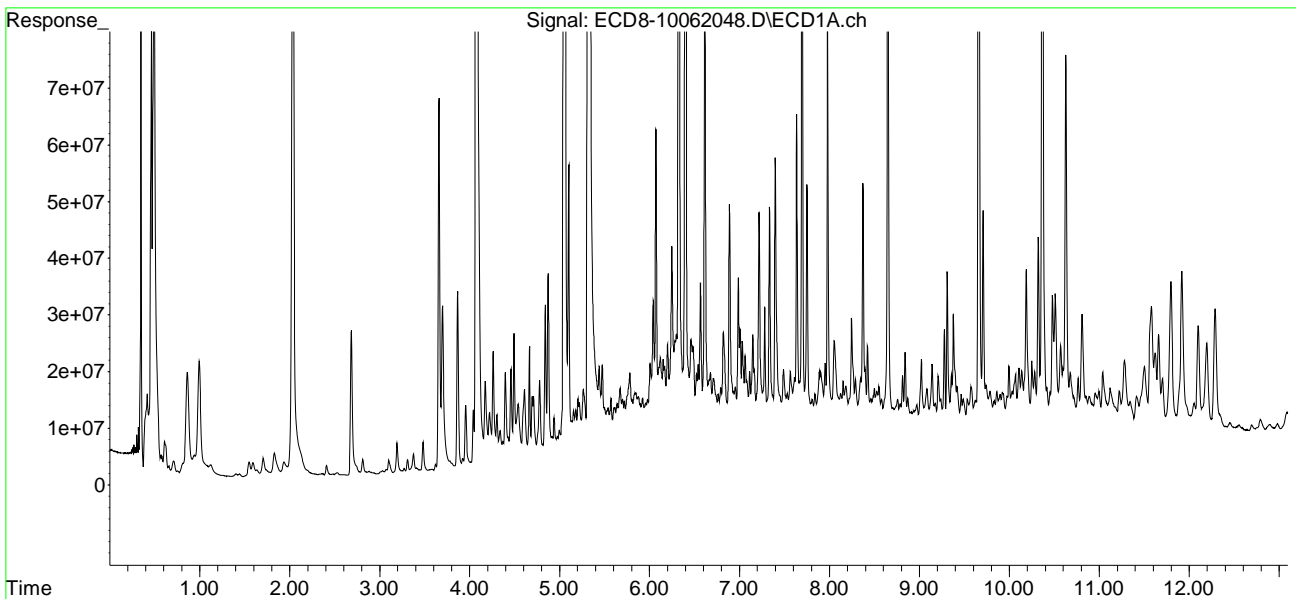
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.694	8.600	115.6E6	110.6E6	28.187	30.268
31)	Mirex	8.347	9.520	12632174	10935384	4.547	4.766
32)	Chlordane...	7.398f	8.231	52279647	19267133	115.563	43.610 #
33)	Chlordane...	7.529	8.336	10655426	41852618	19.366	112.438 #
34)	Chlordane...	8.052	9.016	19473677	7609845	134.267	61.574 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.333	8.428	43608647	8318870	2535.098	275.121 #
37)	Toxaphene...	7.611	8.737f	13329497	71739096	408.610	1825.566 #
38)	Toxaphene...	7.903	8.810	14158781	8286031	187.910	131.032 #
39)	Toxaphene...	8.151	8.882	12270142	8479082	178.049	85.296 #
40)	Toxaphene...	8.372	9.059	47017752	9712537	841.839	171.069 #
41)	Toxaphene...	8.460	9.436	8986364	6578376	116.893	101.600
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

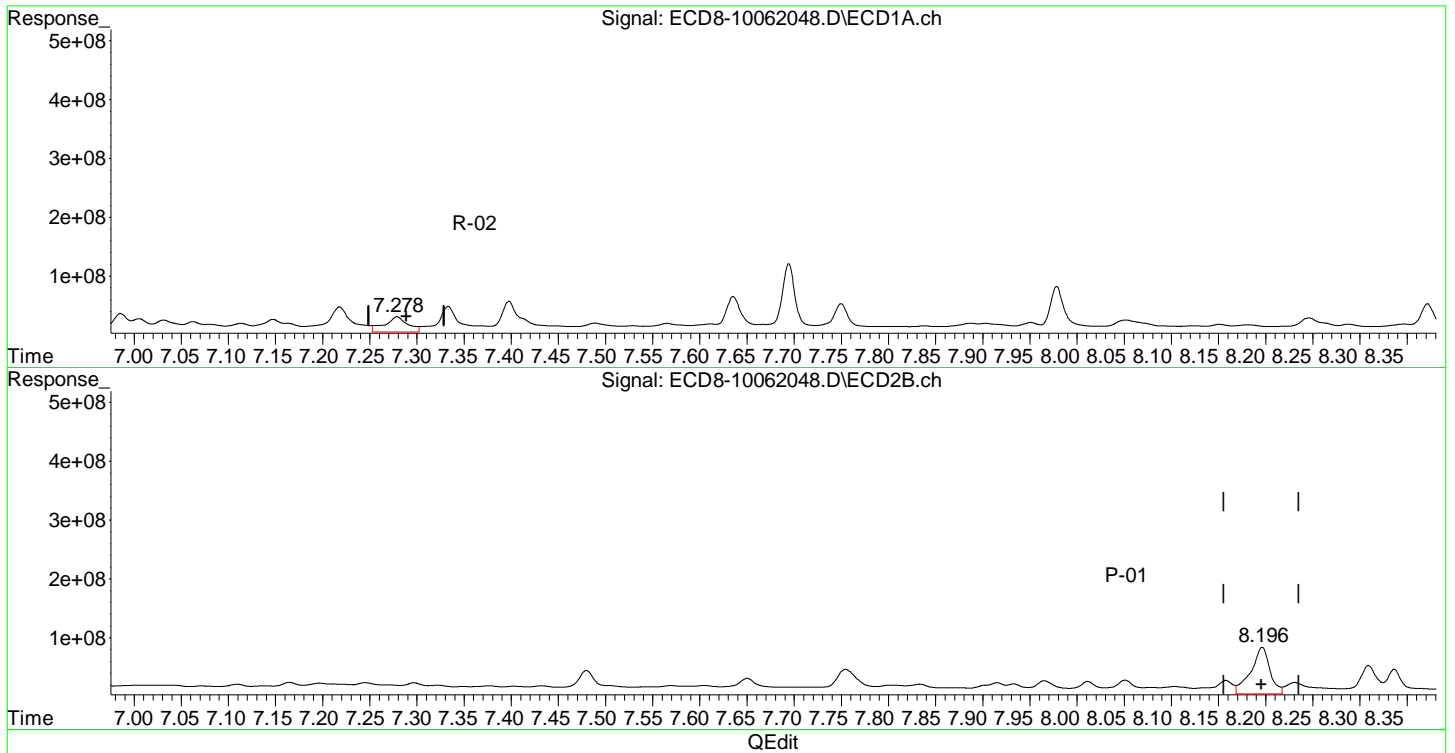
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.279min 6.374 ng/mL
response 26059516

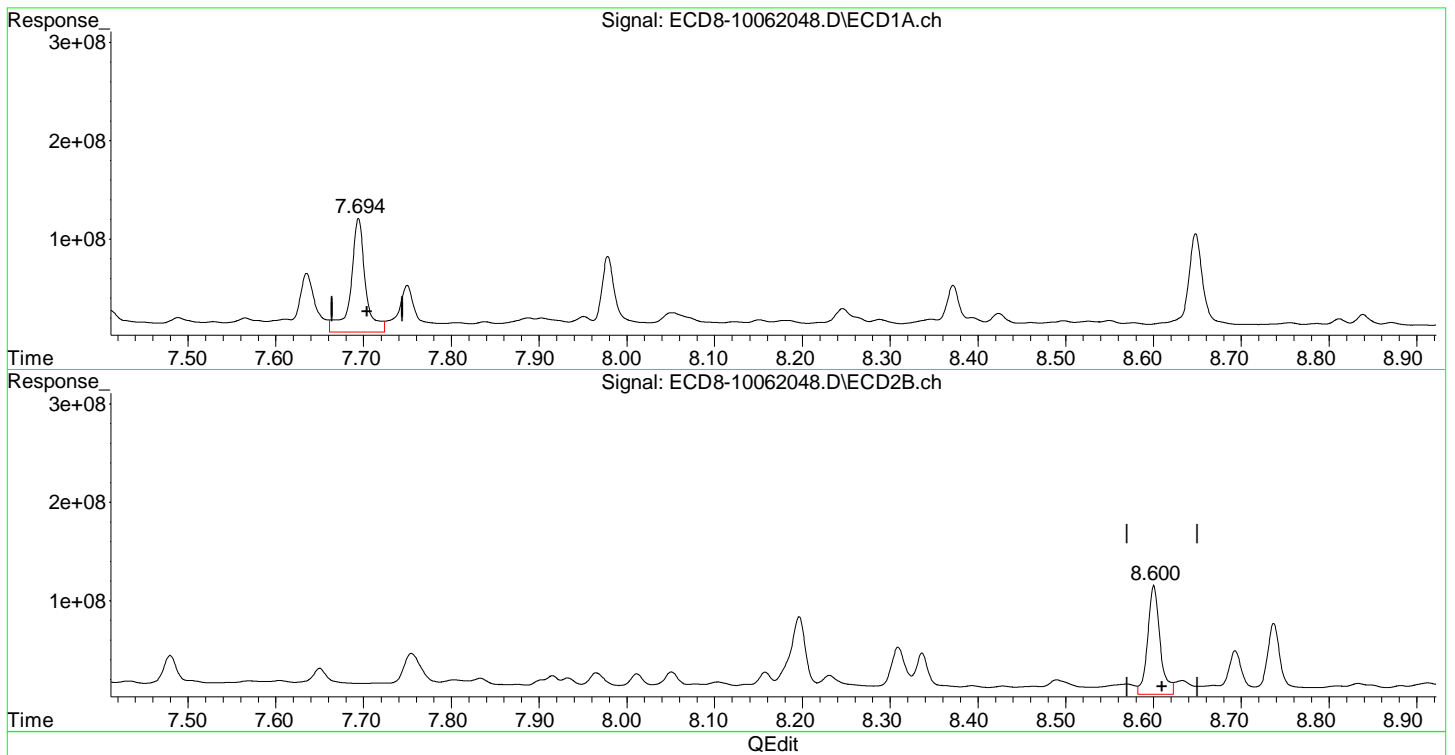
MJB 10/7/20

(12) 4,4'-DDE #2
8.196min 22.159 ng/mL
response 78974606

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.694min 34.618 ng/mL
response 115621694

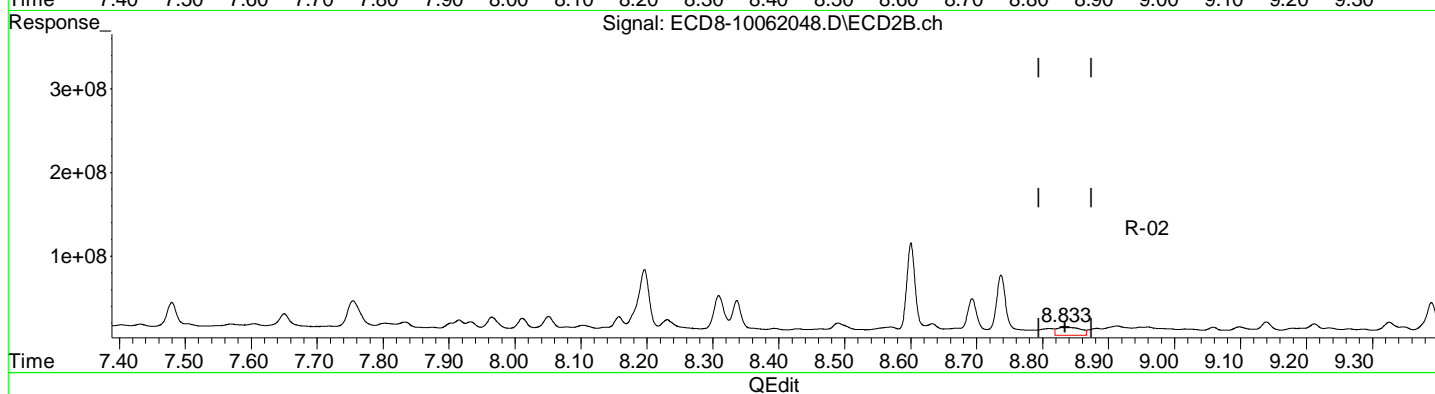
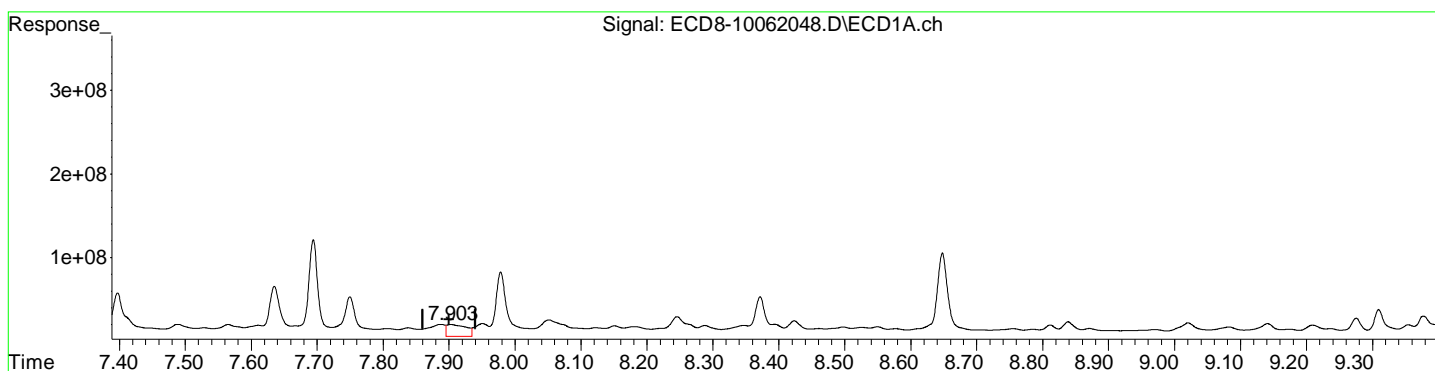
MJB 10/7/20

(15) 4,4'-DDD #2
8.600min 36.453 ng/mL
response 110629681

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.903min 4.582 ng/mL
response 14158781

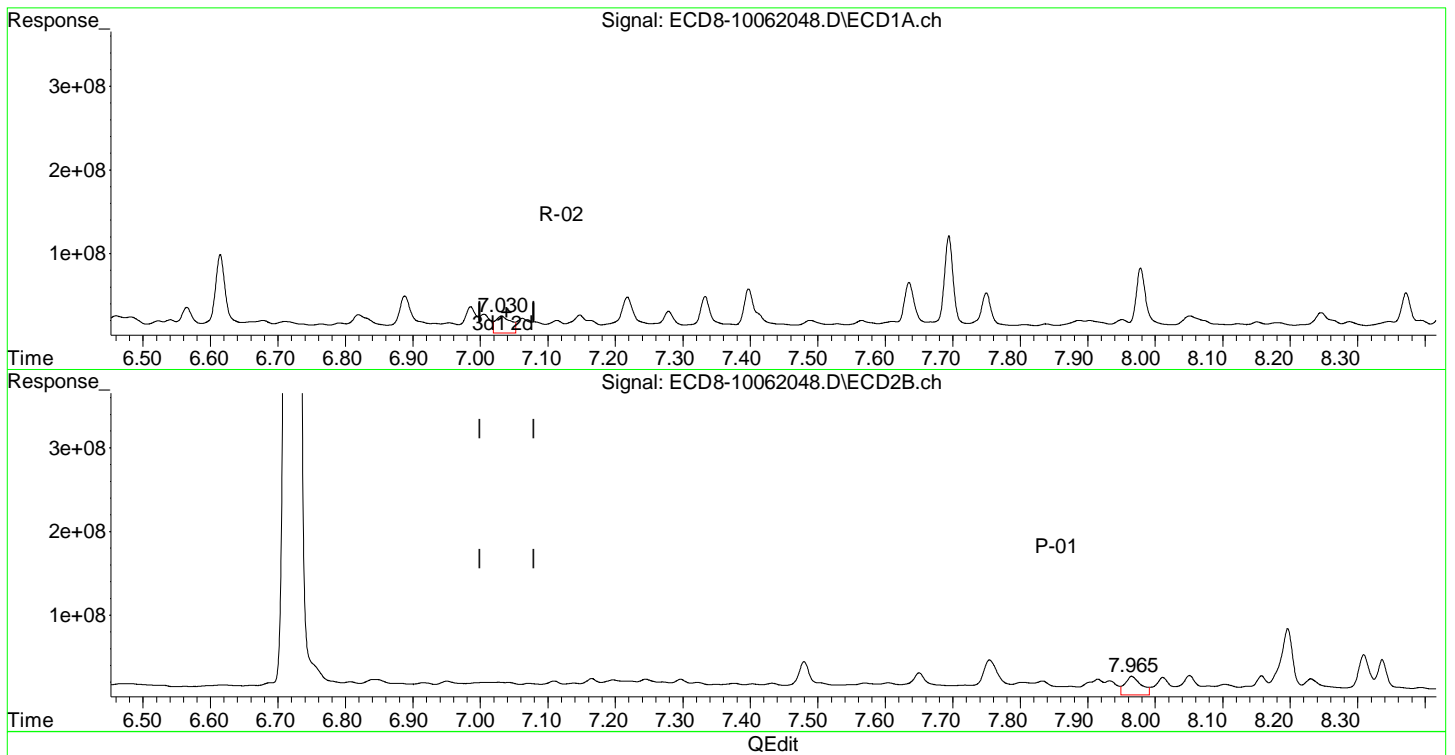
MJB 10/7/20

(17) 4,4'-DDT #2
8.833min 4.097 ng/mL
response 10657335

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.031min 7.715 ng/mL
response 20207194

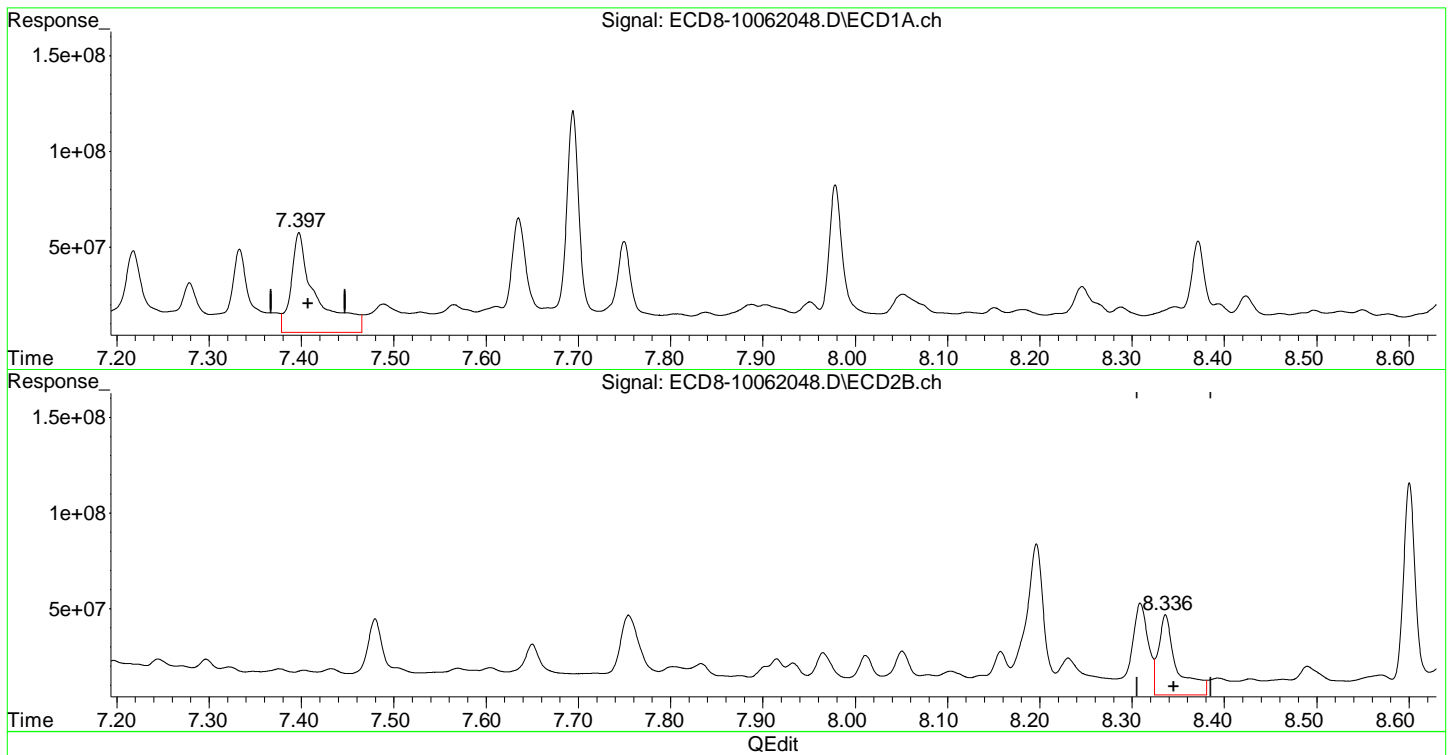
MJB 10/7/20

(26) 2,4'-DDE #2
7.965min 9.780 ng/mL
response 22248571

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.398min 23.134 ng/mL
response 52279647

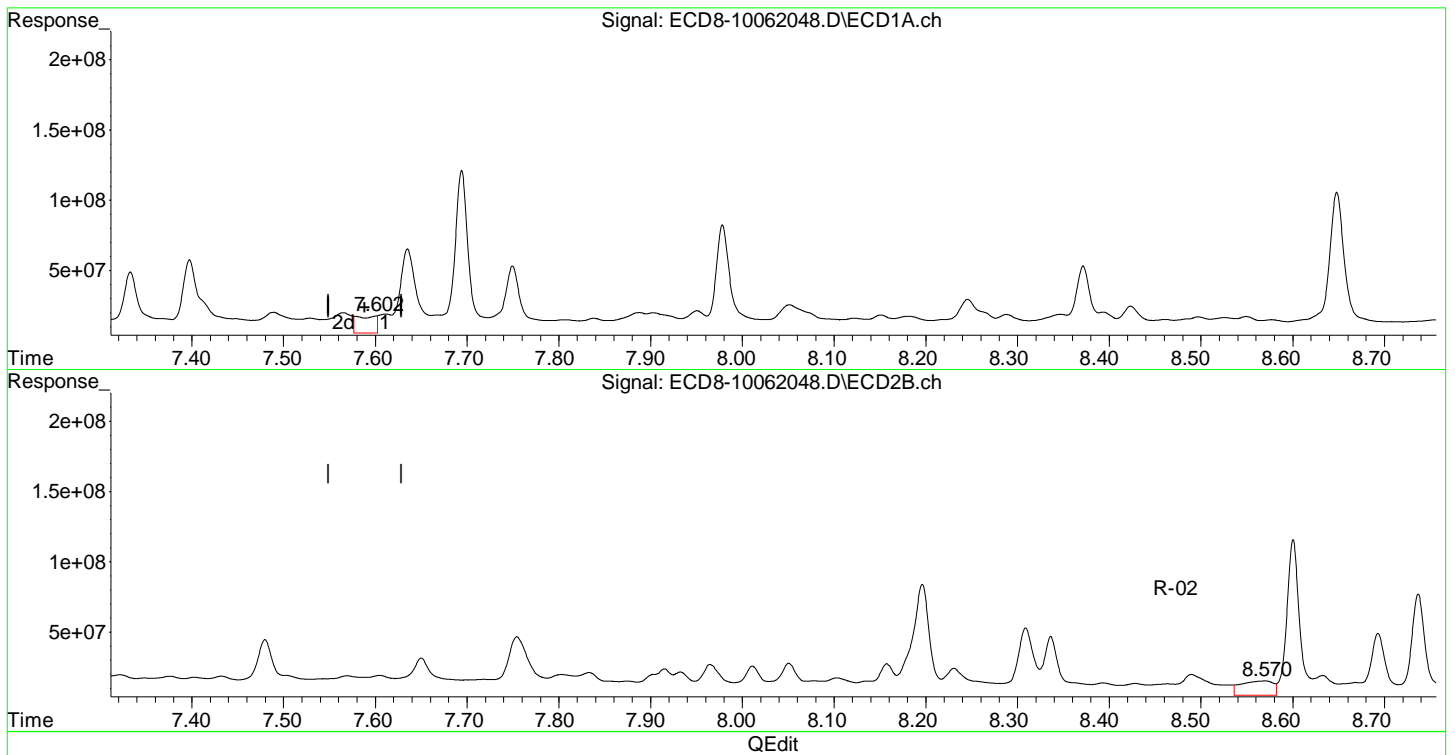
MJB 10/7/20

(28) 2,4'-DDD #2
8.336min 20.776 ng/mL
response 41852618

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.602min 5.054 ng/mL m
response 12148124

MJB 10/7/20

(29) 2,4'-DDT #2
8.570min 4.819 ng/mL
response 10175240

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062048.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:05
 Operator : MJB
 Sample : 0100091-DUP1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:14:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.102	5.844	52834271	24559449	14.156	6.996 #
22) S DCBP (S)	9.276	10.360	20511189	19667217	6.554	9.273 #
Target Compounds						
2) a-BHC	5.641	6.470	10308509	14379882	2.093	3.280 #
3) g-BHC	5.923	6.807f	11024401	16254721	2.492	4.175 #
4) b-BHC	6.006	6.847	17110958	19281684	8.618	10.228
5) Heptachlor	6.326	7.139	393.6E6	14457157	92.962	3.742 #
6) d-BHC	6.152	7.072	17738500	14366409	4.300	3.799
7) Aldrin	6.565	7.403	30835337	13490477	7.066	3.663 #
8) Heptachlo...	7.031	7.833	20207194	16655272	4.990	4.550
9) trans-Chl...	7.113	7.965	14852887	22248571	3.590	6.004 #
10) cis-Chlor...	7.218	8.079	42738834	10639390	10.421	2.999 #
11) Endosulfa...	7.333f	8.158f	43608647	22714361	11.558	6.857 #
12) 4,4'-DDE	7.279	8.196	26059516	78974606	6.374	22.159 #
13) Dieldrin	7.489	8.336	14837120	41852618	3.508	11.380 #
14) Endrin	7.635	8.570	59771965	10175240	19.768	4.154 #
15) 4,4'-DDD	7.694	8.600	115.6E6	110.6E6	34.618	36.453
16) Endosulfa...	7.807	8.693	9290257	43891039	2.873	14.961 #
17) 4,4'-DDT	7.903	8.833	14158781	10657335	4.582	4.097
18) Endrin Al...	8.052f	8.949	19473677	9832234	5.914	3.454 #
19) Endosulfa...	8.372	9.139	47017752	15624426	16.233	6.456 #
20) Methoxychlor	8.246	9.326	23349085	15237183	15.407	10.276 #
21) Endrin Ke...	8.577	9.520	8746204	10935384	3.784	6.492 #
23) Hexachlor...	2.882	3.559	469356	1336604	BelowCal	0.134
24) Hexachlor...	5.476	6.302	17263329	10703381	4.637	3.019 #
25) Oxychlorane	6.954	7.755	12156654	42009060	3.374	14.174 #
26) 2,4'-DDE	7.031	7.965	20207194	22248571	7.715	9.780 #
27) trans-Non...	7.218	8.051	42738834	22993923	11.156	6.944 #
28) 2,4'-DDD	7.398	8.336	52279647	41852618	23.134	20.776
29) 2,4'-DDT	7.611f	8.570	13329497	10175240	5.562	4.819

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062048.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:05
 Operator : MJB
 Sample : 0100091-DUP1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:14:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

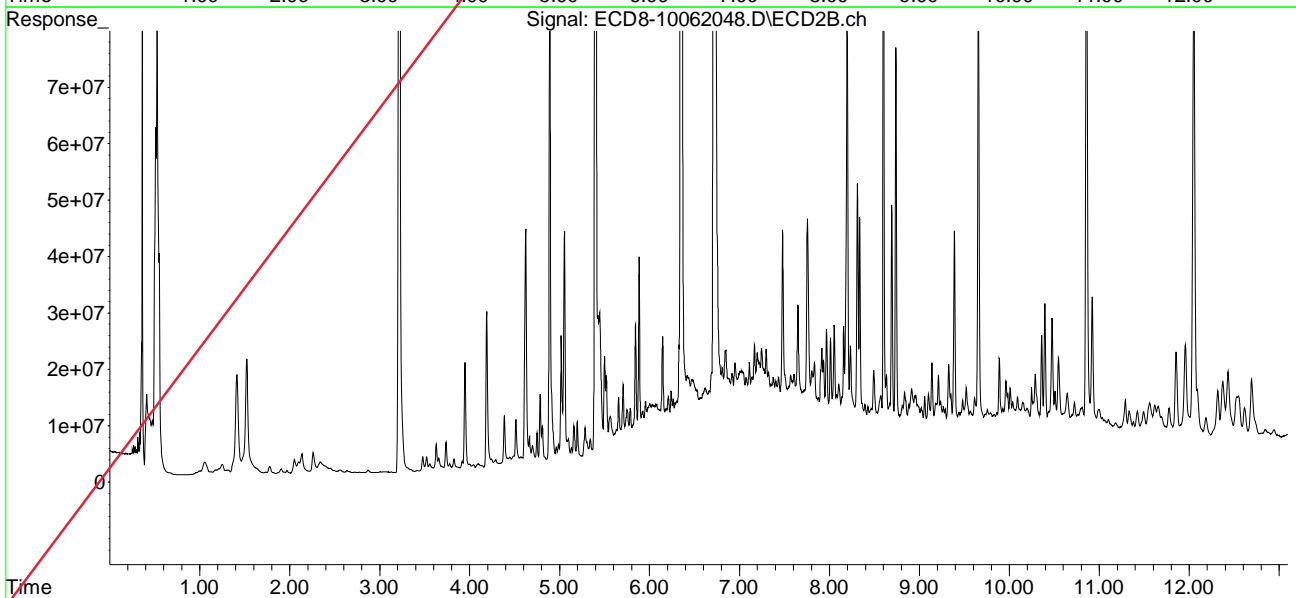
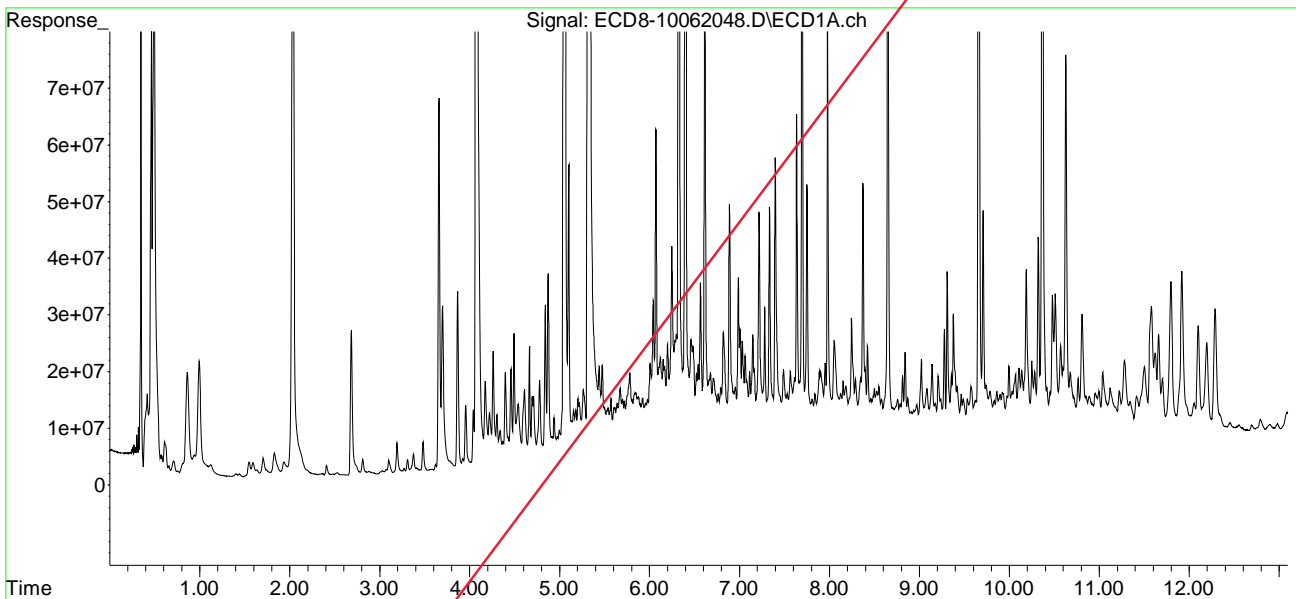
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.694	8.600	115.6E6	110.6E6	28.187	30.268
31)	Mirex	8.347	9.520	12632174	10935384	4.547	4.766
32)	Chlordane...	7.398f	8.231	52279647	19267133	115.563	43.610 #
33)	Chlordane...	7.529	8.336	10655426	41852618	19.366	112.438 #
34)	Chlordane...	8.052	9.016	19473677	7609845	134.267	61.574 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.333	8.428	43608647	8318870	2535.098	275.121 #
37)	Toxaphene...	7.611	8.737f	13329497	71739096	408.610	1825.566 #
38)	Toxaphene...	7.903	8.810	14158781	8286031	187.910	131.032 #
39)	Toxaphene...	8.151	8.882	12270142	8479082	178.049	85.296 #
40)	Toxaphene...	8.372	9.059	47017752	9712537	841.839	171.069 #
41)	Toxaphene...	8.460	9.436	8986364	6578376	116.893	101.600
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:05
Operator : MJB
Sample : 0100091-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:14:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062050.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:42
 Operator : MJB
 Sample : A0I0556-07RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 26 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:20:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.101	5.844	23498075	19383919	6.296	5.522
22) S DCBP (S)	9.276	10.360	17869187	21394775	5.681	10.102 # S-04
Target Compounds						
2) a-BHC	5.617f	6.441	2410547	1575849	0.490	0.397
3) g-BHC	5.925	6.753	2785442	2268712	0.630	0.585
4) b-BHC	6.013	6.837	5230441	2733357	2.634	1.450 #
5) Heptachlor	6.325	7.110f	16673523	8306305	3.938	2.141 #
6) d-BHC	6.151	7.070	3866298	3721577	0.937	1.012
7) Aldrin	6.565	7.399	11227677	3925200	2.573	1.063 #
8) Heptachlo...	7.006	7.831	10759823	1925516	2.657	0.526 #
9) trans-Chl...	7.116	7.973	1984717	4449566	0.480	1.201 #
10) cis-Chlor...	7.219	8.078	17007740	3249147	4.147	0.916 #
11) Endosulfa...	7.310	8.134	1938907	1972514	0.514	0.596
12) 4,4'-DDE	7.269	8.196	3248627	13067294	0.795m	3.801 # P-01
13) Dieldrin	7.484	8.309f	1801215	20303648	0.426	5.521 #
14) Endrin	7.636	8.575	28361108	2719117	9.380	1.091 #
15) 4,4'-DDD	7.691	8.598	3994999	5262290	1.196	1.843m# MDL=MRL
16) Endosulfa...	7.802	8.692	2804643	12463481	0.867	4.248 #
17) 4,4'-DDT	7.902	8.834	11538842	5369412	3.734	2.066 # R-02
18) Endrin Al...	8.071	8.949	5526451	5283692	1.678	1.856
19) Endosulfa...	8.372	9.139	121.2E6	16905740	41.861	6.983 #
20) Methoxychlor	8.246	9.326	23542890	17377268	15.535	11.719
21) Endrin Ke...	8.576	9.519	2796736	9392689	1.210	5.572 #
23) Hexachlor...	2.880	3.561	221802	927070	BelowCal	0.022
24) Hexachlor...	5.478	6.326	2421361	1981718	0.453	0.373
25) Oxychlorane	6.954	7.755	2525491	19296307	0.555	6.439 #
26) 2,4'-DDE	7.019f	7.973	4706377	4449566	1.662m	1.813 MDL=MRL
27) trans-Non...	7.219	8.051	17007740	9375551	4.300	2.696 #
28) 2,4'-DDD	7.398	8.362	7206957	1742866	3.032	0.685 #
29) 2,4'-DDT	7.570	8.575	7568382	2719117	3.082m	1.148 # MDL=MRL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062050.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:42
 Operator : MJB
 Sample : A0I0556-07RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:20:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

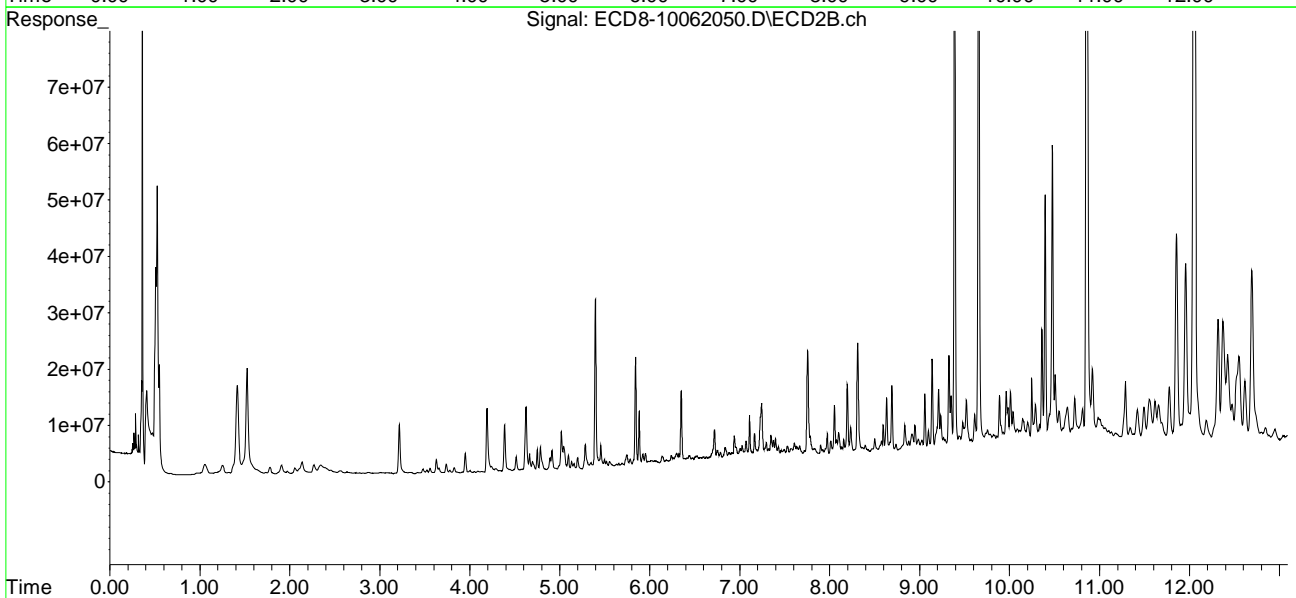
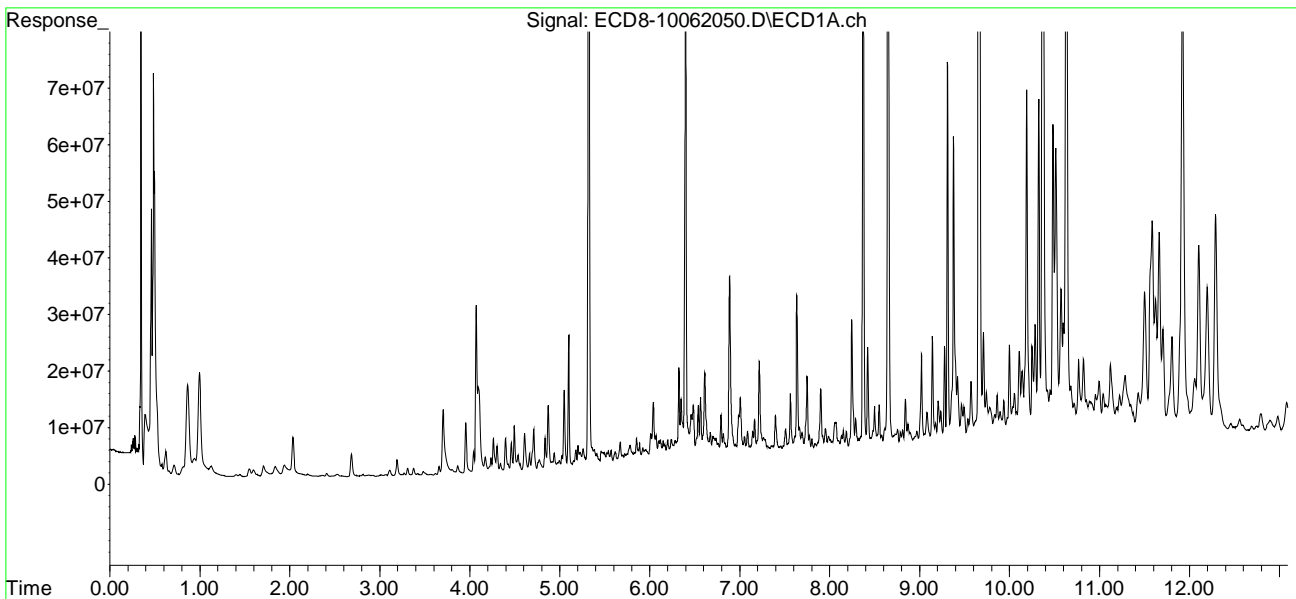
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.664	8.596	4910978	5615905	1.026	1.418 #
31)	Mirex	8.321	9.519	2428717	9392689	0.642	4.038 #
32)	Chlordane...	7.457f	8.231	1812145	5331696	4.006	12.068 #
33)	Chlordane...	7.510	8.309f	4865378	20303648	8.843	54.546 #
34)	Chlordane...	8.071	8.986	5526451	2776178	38.104	16.319 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.427	1938907	1273363	112.714	42.113 #
37)	Toxaphene...	7.613	8.736f	3473886	2006305	103.927	51.055 #
38)	Toxaphene...	7.902	8.834f	11538842	5369412	153.139	84.910 #
39)	Toxaphene...	8.151	8.879	4033392	2531872	55.489	20.655 #
40)	Toxaphene...	8.372	9.058	121.2E6	10707091	2170.861	188.586 #
41)	Toxaphene...	8.423f	9.437	18441075	3037541	239.879	46.914 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

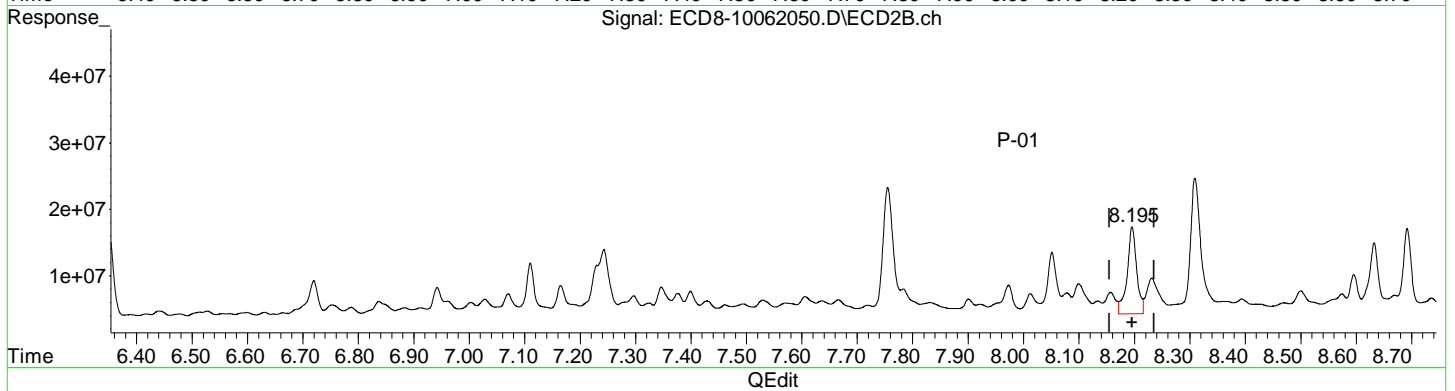
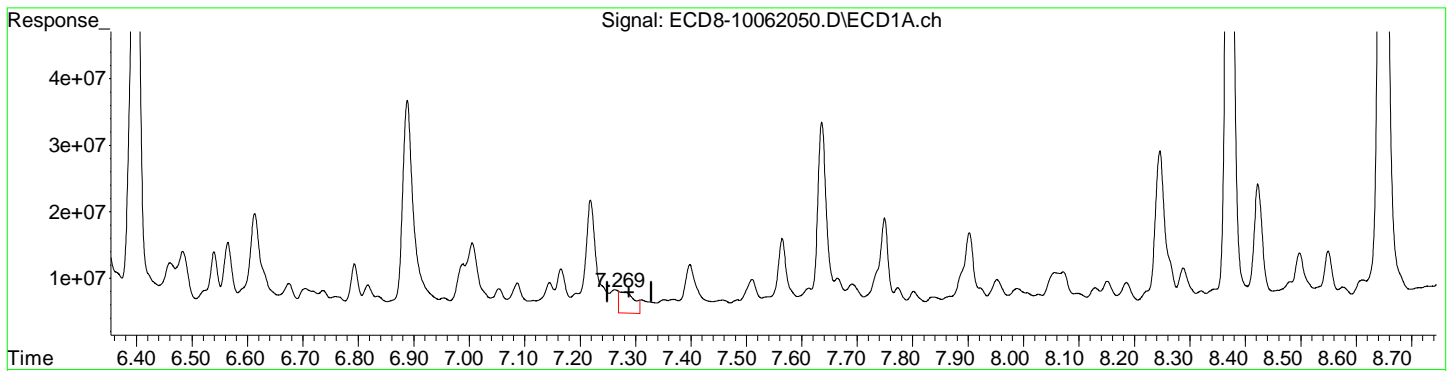
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.269min 0.795 ng/mL m
response 3248627

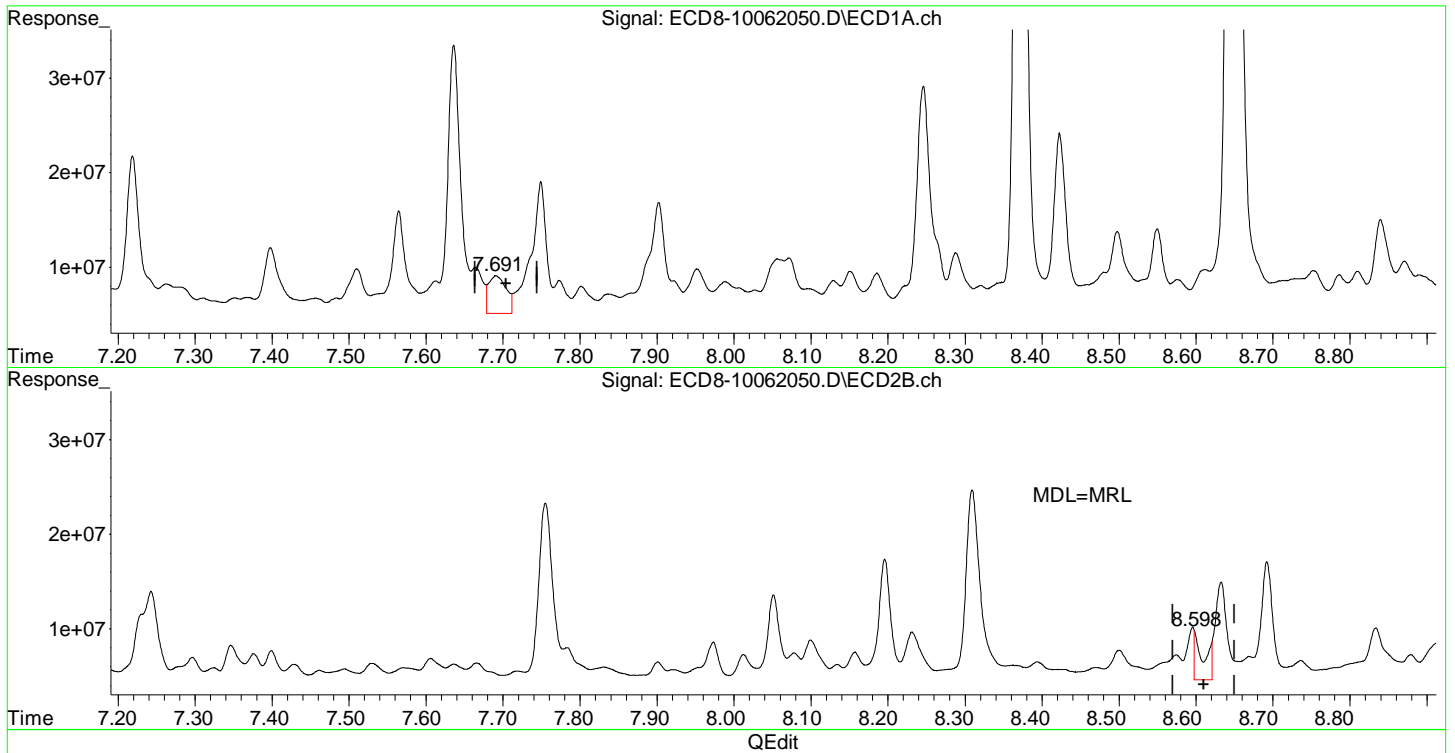
MJB 10/7/20

(12) 4,4'-DDE #2
8.196min 3.801 ng/mL
response 13067294

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.691min 1.196 ng/mL
response 3994999

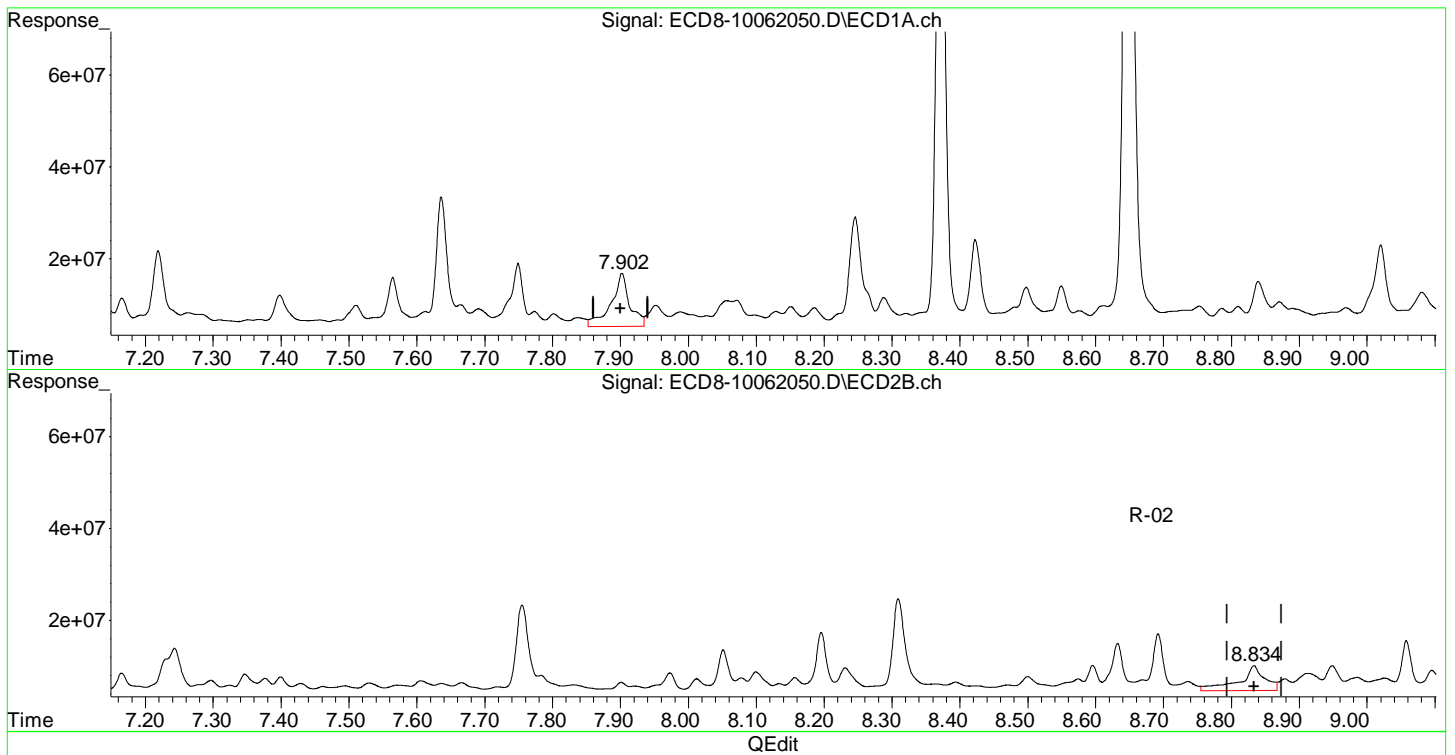
MJB 10/7/20

(15) 4,4'-DDD #2
8.598min 1.843 ng/mL m
response 5262290

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.902min 3.734 ng/mL
response 11538842

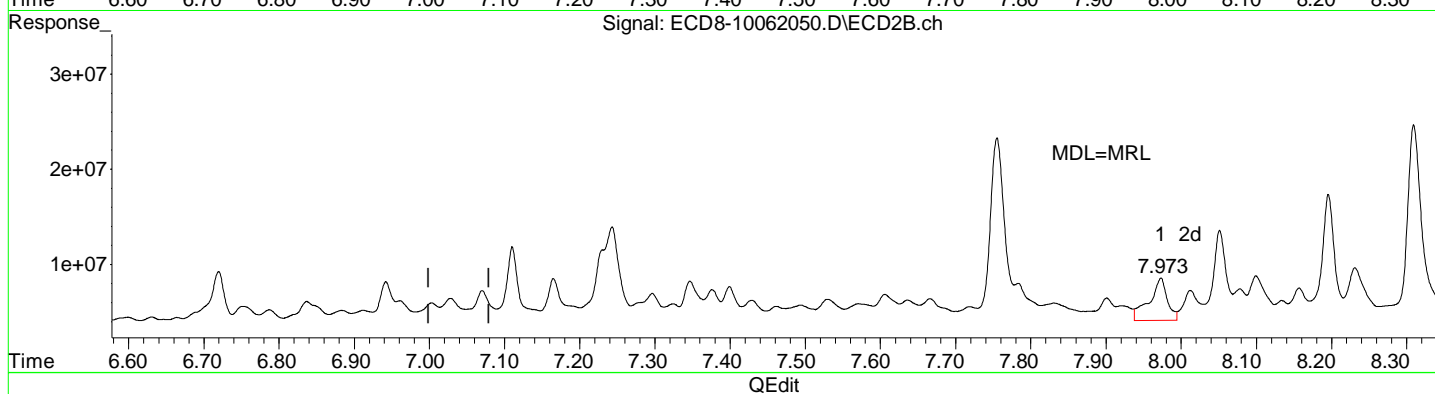
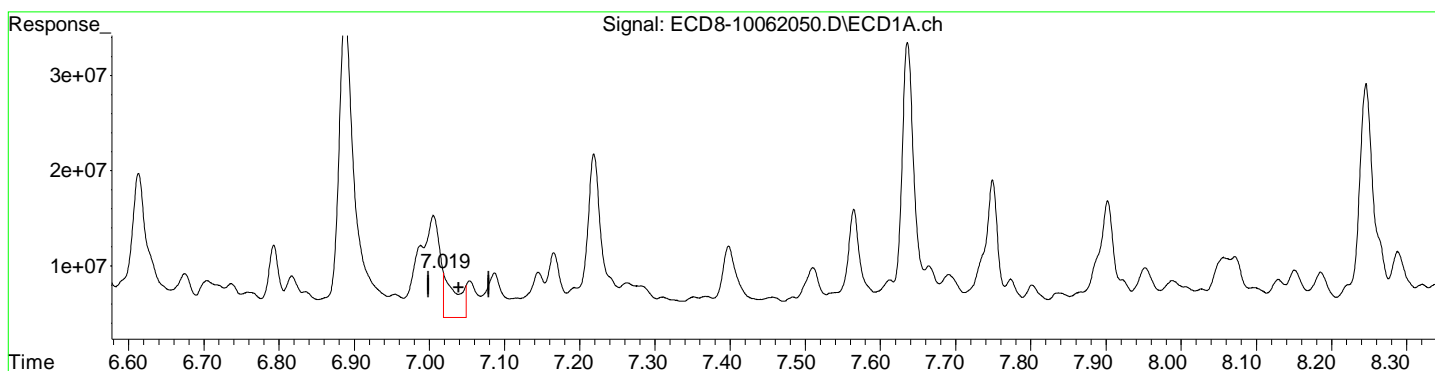
MJB 10/7/20

(17) 4,4'-DDT #2
8.834min 2.066 ng/mL
response 5369412

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.019min 1.662 ng/mL m
response 4706377

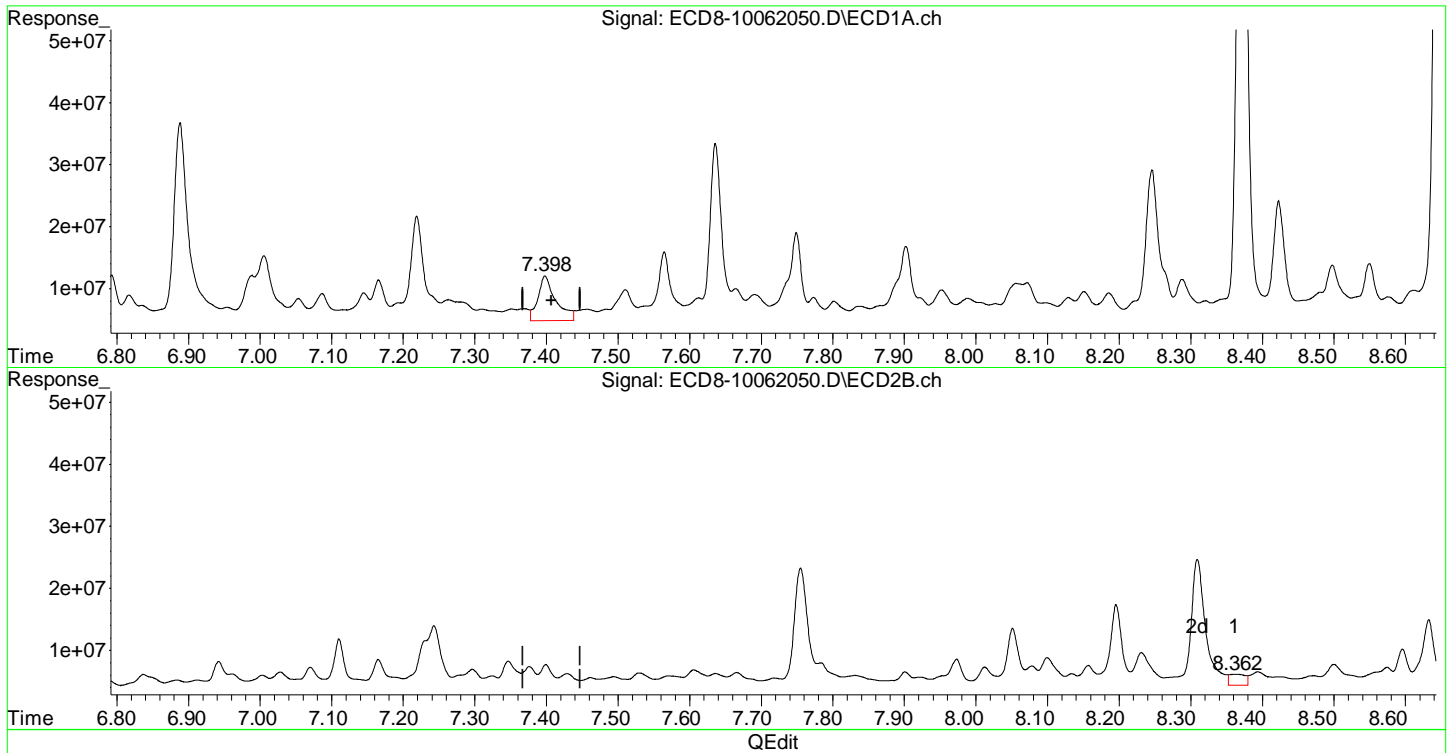
MJB 10/7/20

(26) 2,4'-DDE #2
7.973min 1.813 ng/mL
response 4449566

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.398min 3.032 ng/mL
response 7206957

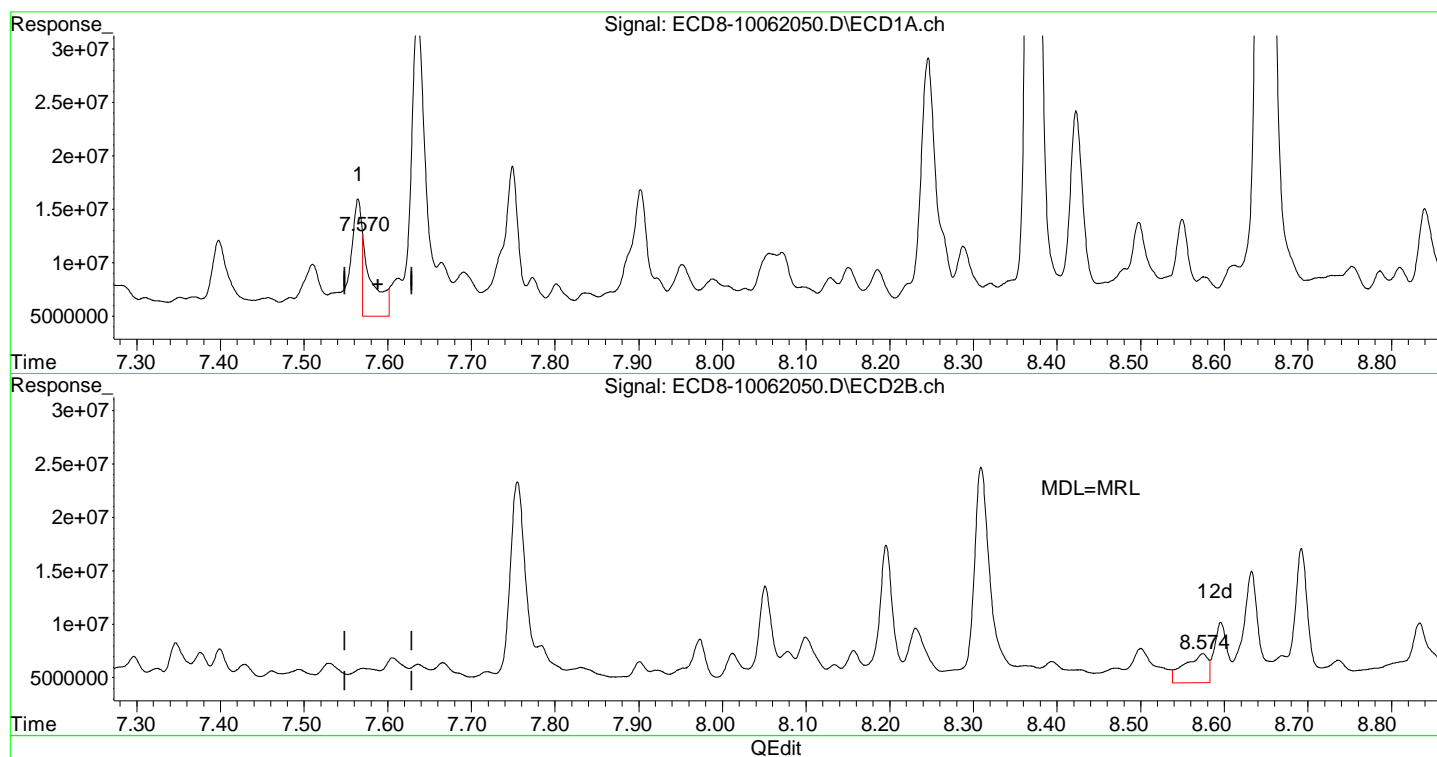
MJB 10/7/20

(28) 2,4'-DDD #2
8.362min 0.685 ng/mL
response 1742866

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.570min 3.082 ng/mL m
response 7568382

MJB 10/7/20

(29) 2,4'-DDT #2
8.575min 1.148 ng/mL
response 2719117

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062050.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:42
 Operator : MJB
 Sample : A0I0556-07RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 26 Sample Multiplier: 1

MI

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:20:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 10/7/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.101	5.844	23498075	19383919	6.296	5.522
22) S DCBP (S)	9.276	10.360	17869187	21394775	5.681	10.102 #
Target Compounds						
2) a-BHC	5.617f	6.441	2410547	1575849	0.490	0.397
3) g-BHC	5.925	6.753	2785442	2268712	0.630	0.585
4) b-BHC	6.013	6.837	5230441	2733357	2.634	1.450 #
5) Heptachlor	6.325	7.110f	16673523	8306305	3.938	2.141 #
6) d-BHC	6.151	7.070	3866298	3721577	0.937	1.012
7) Aldrin	6.565	7.399	11227677	3925200	2.573	1.063 #
8) Heptachlo...	7.006	7.831	10759823	1925516	2.657	0.526 #
9) trans-Chl...	7.116	7.973	1984717	4449566	0.480	1.201 #
10) cis-Chlor...	7.219	8.078	17007740	3249147	4.147	0.916 #
11) Endosulfa...	7.310	8.134	1938907	1972514	0.514	0.596
12) 4,4'-DDE	7.310f	8.196	1938907	13067294	0.474	3.801 #
13) Dieldrin	7.484	8.309f	1801215	20303648	0.426	5.521 #
14) Endrin	7.636	8.575	28361108	2719117	9.380	1.091 #
15) 4,4'-DDD	7.691	8.596	3994999	5615905	1.196	1.966 #
16) Endosulfa...	7.802	8.692	2804643	12463481	0.867	4.248 #
17) 4,4'-DDT	7.902	8.834	11538842	5369412	3.734	2.066 #
18) Endrin Al...	8.071	8.949	5526451	5283692	1.678	1.856
19) Endosulfa...	8.372	9.139	121.2E6	16905740	41.861	6.983 #
20) Methoxychlor	8.246	9.326	23542890	17377268	15.535	11.719
21) Endrin Ke...	8.576	9.519	2796736	9392689	1.210	5.572 #
23) Hexachlor...	2.880	3.561	221802	927070	BelowCal	0.022
24) Hexachlor...	5.478	6.326	2421361	1981718	0.453	0.373
25) Oxychlorane	6.954	7.755	2525491	19296307	0.555	6.439 #
26) 2,4'-DDE	7.054	7.973	3853354	4449566	1.328	1.813 #
27) trans-Non...	7.219	8.051	17007740	9375551	4.300	2.696 #
28) 2,4'-DDD	7.398	8.362	7206957	1742866	3.032	0.685 #
29) 2,4'-DDT	7.565f	8.575	10935060	2719117	4.532	1.148 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062050.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 2:42
 Operator : MJB
 Sample : A0I0556-07RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:20:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

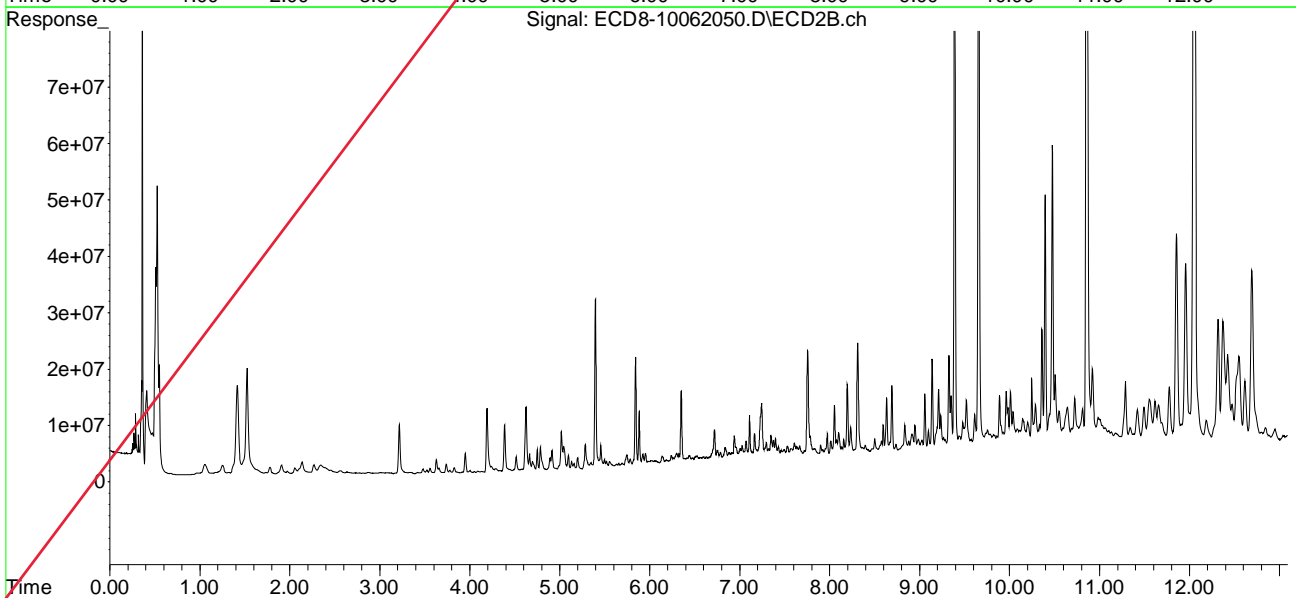
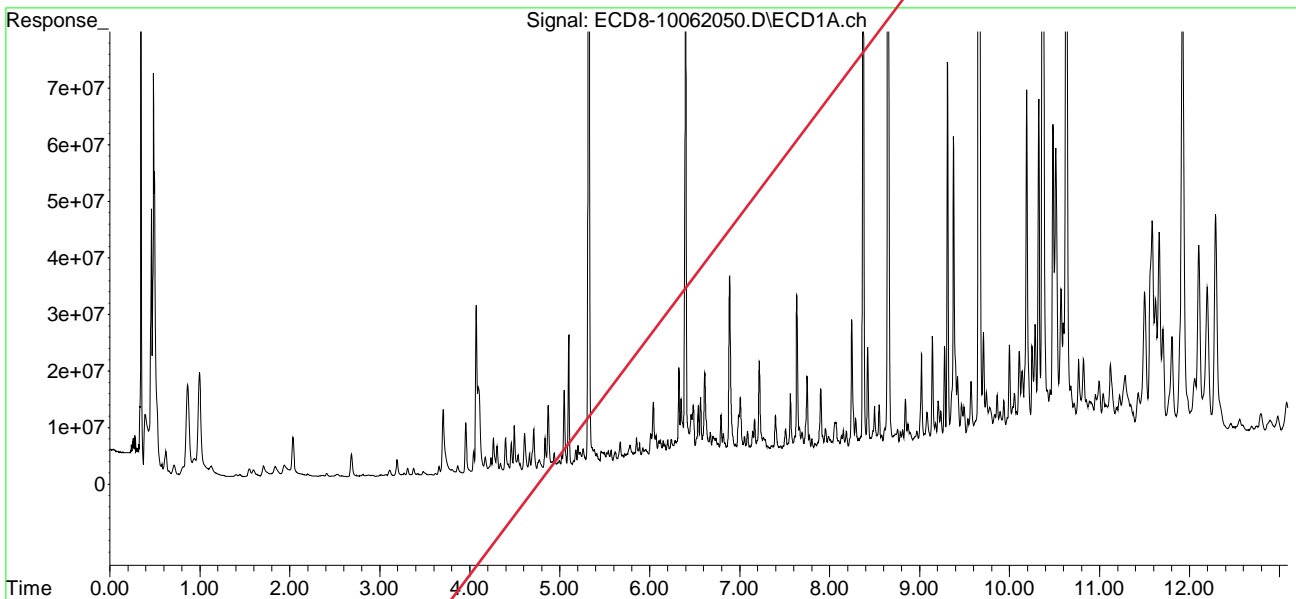
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.664	8.596	4910978	5615905	1.026	1.418 #
31)	Mirex	8.321	9.519	2428717	9392689	0.642	4.038 #
32)	Chlordane...	7.457f	8.231	1812145	5331696	4.006	12.068 #
33)	Chlordane...	7.510	8.309f	4865378	20303648	8.843	54.546 #
34)	Chlordane...	8.071	8.986	5526451	2776178	38.104	16.319 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.427	1938907	1273363	112.714	42.113 #
37)	Toxaphene...	7.613	8.736f	3473886	2006305	103.927	51.055 #
38)	Toxaphene...	7.902	8.834f	11538842	5369412	153.139	84.910 #
39)	Toxaphene...	8.151	8.879	4033392	2531872	55.489	20.655 #
40)	Toxaphene...	8.372	9.058	121.2E6	10707091	2170.861	188.586 #
41)	Toxaphene...	8.423f	9.437	18441075	3037541	239.879	46.914 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 2:42
Operator : MJB
Sample : A0I0556-07RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:20:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062052.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 3:19
 Operator : MJB
 Sample : A0I0556-08RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:25:55 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.100	5.843	18643186	16934216	4.995	4.824
22) S DCBP (S)	9.274	10.359	16559558	15891084	5.248	7.458 # S-04
Target Compounds						
2) a-BHC	5.641	6.484f	341521	129107	0.069	0.070
3) g-BHC	5.925	6.750	360875	481586	0.082	0.124 #
4) b-BHC	5.974f	6.839	204505	1005867	0.103	0.534 #
5) Heptachlor	6.324	7.129	4576519	171155	1.081	0.011 #
6) d-BHC	6.159	7.075	403184	215862	0.098	0.089
7) Aldrin	6.566	7.401	819267	554357	0.188	0.143
8) Heptachlo...	7.017	7.832	1433755	403193	0.354	0.110 #
9) trans-Chl...	7.146f	7.970	2502132	1271929	0.605	0.343 #
10) cis-Chlor...	7.223	8.078	2468907	682492	0.602	0.192 #
11) Endosulfa...	7.326	8.134	131136	83889	0.035	0.025 #
12) 4,4'-DDE	7.270	8.199	570998	1387641	0.140	0.423 #
13) Dieldrin	7.506f	8.312f	762363	12274219	0.180	3.337 #
14) Endrin	7.636	8.559	20318471	785855	6.720	0.291 #
15) 4,4'-DDD	7.693	8.599	1352224	1860549	0.405	0.658m#
16) Endosulfa...	7.801	8.692	209063	1910255	0.065	0.651 #
17) 4,4'-DDT	7.902	8.832	1336860	1233225	0.433	0.464
18) Endrin Al...	8.096	8.948	529468	1496986	0.161	0.526 #
19) Endosulfa...	8.370	9.139	62422774	7392093	21.552	3.046 #
20) Methoxychlor	8.243	9.325	13170408	7450906	8.690	5.025 #
21) Endrin Ke...	8.576	9.518	1173468	4146178	0.508	2.416 #
23) Hexachlor...	2.877	3.559	270705	722165	BelowCal	BelowCal
24) Hexachlor...	5.475	6.307	536876	320883	BelowCal	BelowCal
25) Oxychlorane	6.984f	7.756	1654122	5941896	0.300	1.829 #
26) 2,4'-DDE	7.029	7.970	1115745	1271929	0.257m	0.372 #
27) trans-Non...	7.223	8.056	2468907	1265969	0.424	0.144 #
28) 2,4'-DDD	7.398	8.331	1526561	3479509	0.488	1.577m# P-01
29) 2,4'-DDT	7.566f	8.559	1232239	785855	0.349	0.190 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062052.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 3:19
 Operator : MJB
 Sample : A0I0556-08RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:25:55 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

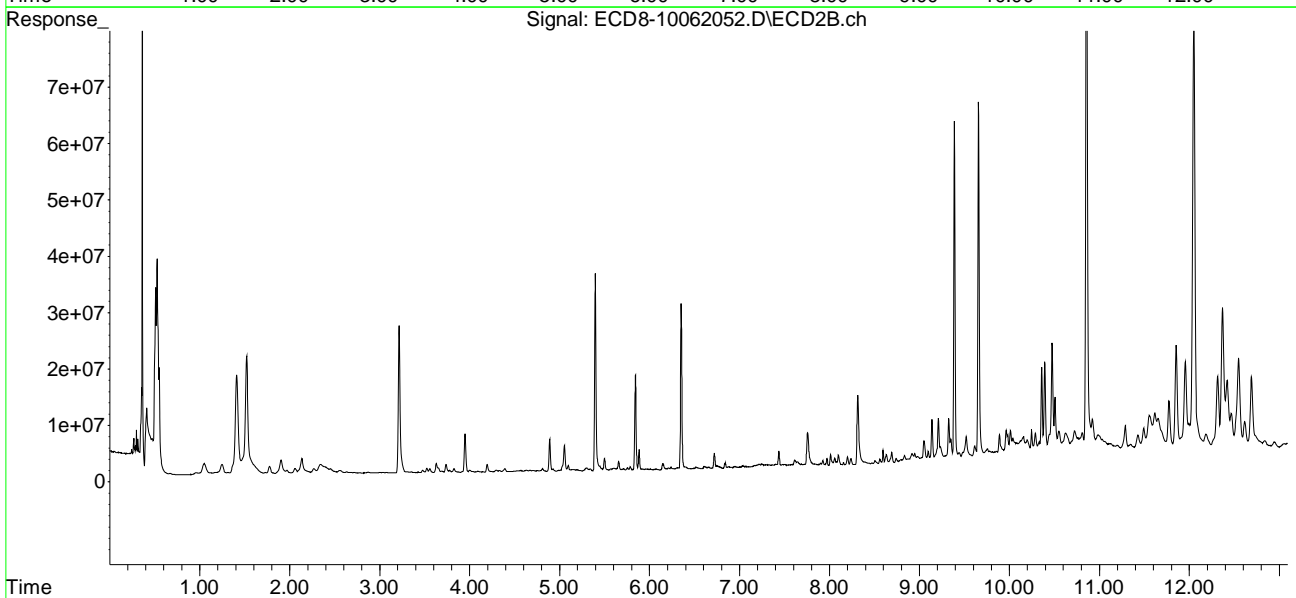
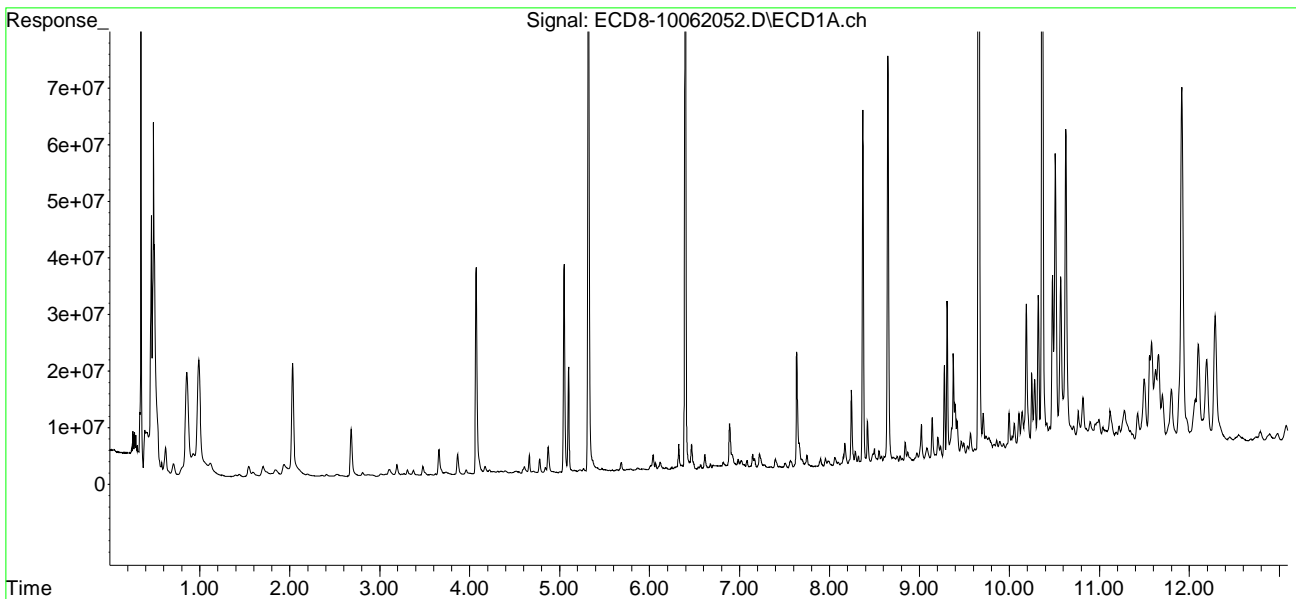
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.693	8.595	1352224	2344893	0.149	0.488 #
31)	Mirex	8.319	9.518	1405875	4146178	0.251	1.555 #
32)	Chlordane...	7.448	8.236	194944	1070247	0.431	2.422 #
33)	Chlordane...	7.506	8.312f	762363	12274219	1.386	32.975 #
34)	Chlordane...	8.057	8.977	1425916	1017698	9.831	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.326	8.391f	131136	416263	7.623	13.767 #
37)	Toxaphene...	7.636f	8.766	20318471	312525	625.579	7.953 #
38)	Toxaphene...	7.902	8.794	1336860	542705	17.742	8.582 #
39)	Toxaphene...	8.151	8.866	1476997	579511	17.193	BelowCal #
40)	Toxaphene...	8.370	9.050	62422774	3738241	1117.662	65.842 #
41)	Toxaphene...	8.422f	9.438	7482811	1350625	97.335	20.860 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 3:19
Operator : MJB
Sample : A0I0556-08RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

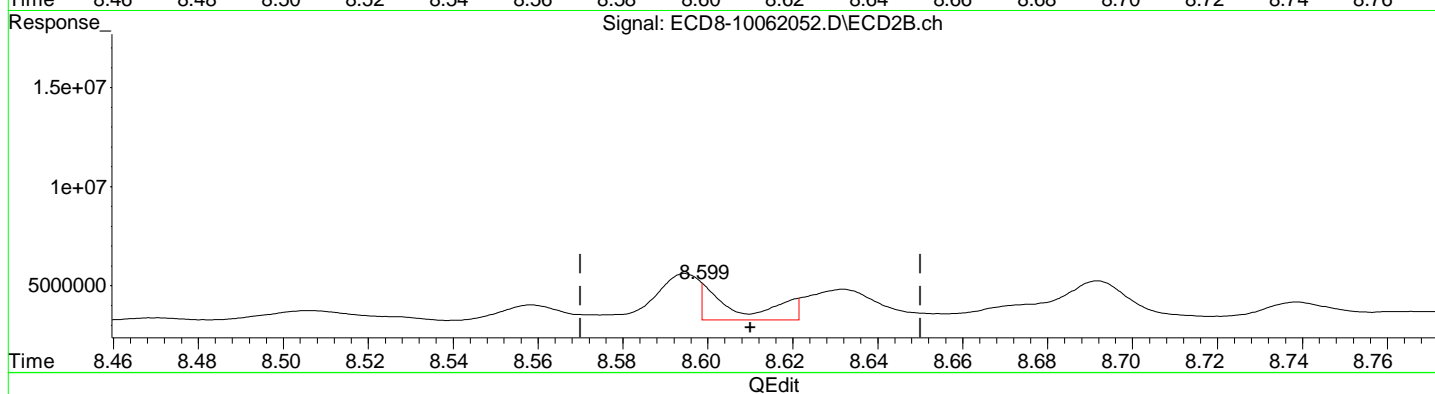
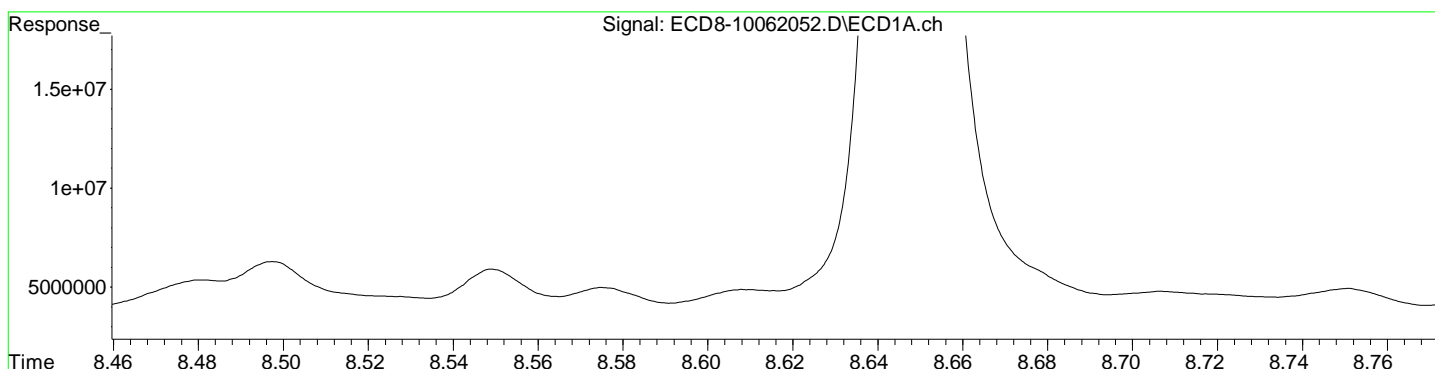
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:25:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 3:19
Operator : MJB
Sample : A0I0556-08RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:25:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.693min 0.405 ng/mL
response 1352224

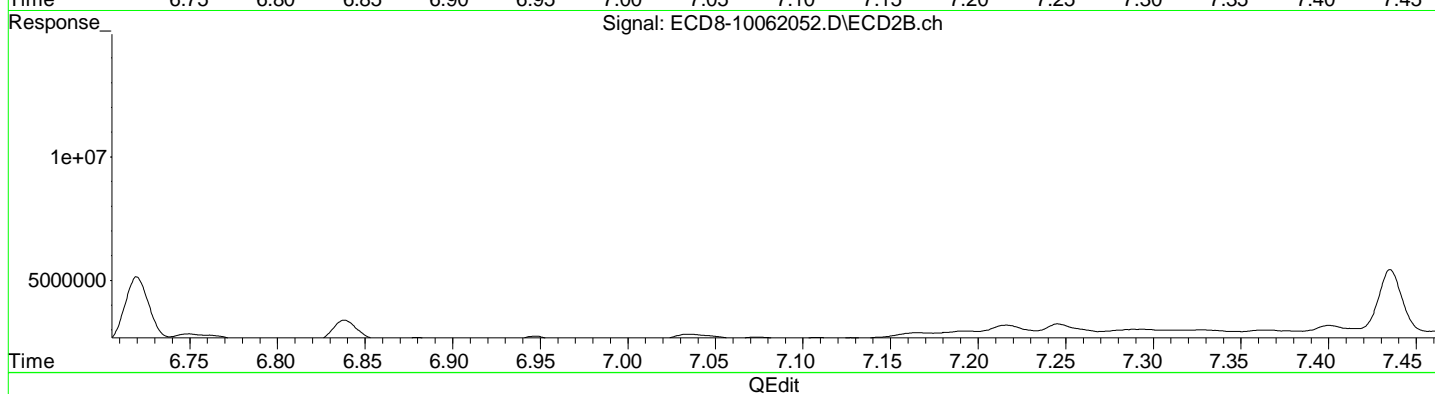
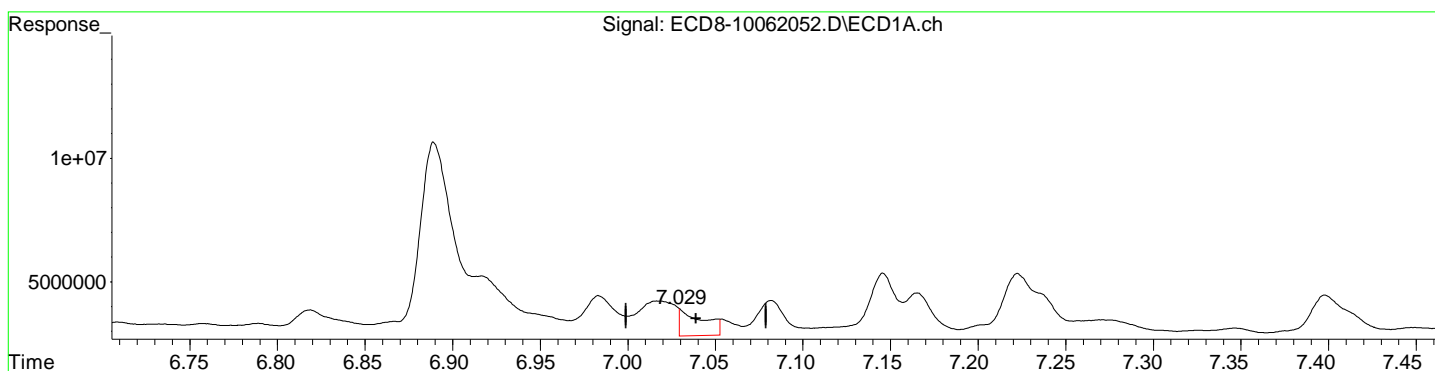
MJB 10/7/20

(15) 4,4'-DDD #2
8.599min 0.658 ng/mL m
response 1860549

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 3:19
Operator : MJB
Sample : A0I0556-08RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:25:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.029min 0.257 ng/mL m
response 1115745

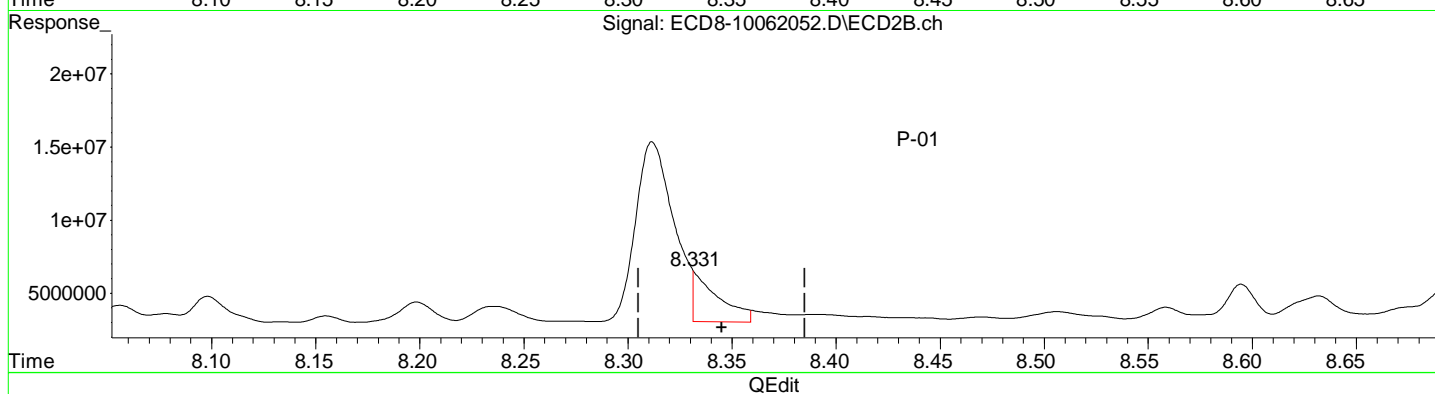
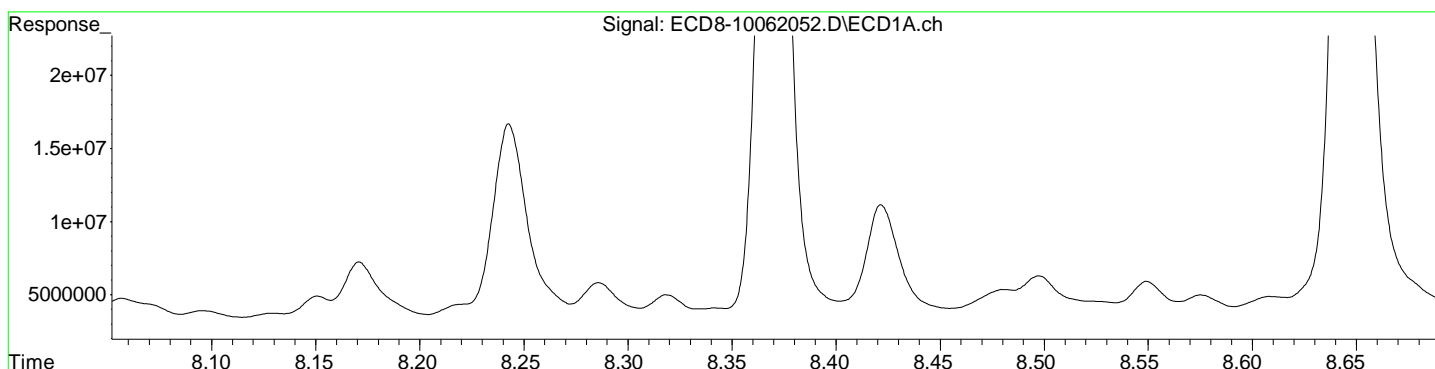
MJB 10/7/20

(26) 2,4'-DDE #2
7.970min 0.372 ng/mL
response 1271929

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 3:19
Operator : MJB
Sample : A0I0556-08RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:25:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.398min 0.488 ng/mL
response 1526561

MJB 10/7/20

(28) 2,4'-DDD #2
8.331min 1.577 ng/mL m
response 3479509

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062052.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 3:19
 Operator : MJB
 Sample : A0I0556-08RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:25:55 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.100	5.843	18643186	16934216	4.995	4.824
22) S DCBP (S)	9.274	10.359	16559558	15891084	5.248	7.458 #
Target Compounds						
2) a-BHC	5.641	6.484f	341521	129107	0.069	0.070
3) g-BHC	5.925	6.750	360875	481586	0.082	0.124 #
4) b-BHC	5.974f	6.839	204505	1005867	0.103	0.534 #
5) Heptachlor	6.324	7.129	4576519	171155	1.081	0.011 #
6) d-BHC	6.159	7.075	403184	215862	0.098	0.089
7) Aldrin	6.566	7.401	819267	554357	0.188	0.143
8) Heptachlo...	7.017	7.832	1433755	403193	0.354	0.110 #
9) trans-Chl...	7.146f	7.970	2502132	1271929	0.605	0.343 #
10) cis-Chlor...	7.223	8.078	2468907	682492	0.602	0.192 #
11) Endosulfa...	7.326	8.134	131136	83889	0.035	0.025 #
12) 4,4'-DDE	7.270	8.199	570998	1387641	0.140	0.423 #
13) Dieldrin	7.506f	8.312f	762363	12274219	0.180	3.337 #
14) Endrin	7.636	8.559	20318471	785855	6.720	0.291 #
15) 4,4'-DDD	7.693	8.595	1352224	2344893	0.405	0.827 #
16) Endosulfa...	7.801	8.692	209063	1910255	0.065	0.651 #
17) 4,4'-DDT	7.902	8.832	1336860	1233225	0.433	0.464
18) Endrin Al...	8.096	8.948	529468	1496986	0.161	0.526 #
19) Endosulfa...	8.370	9.139	62422774	7392093	21.552	3.046 #
20) Methoxychlor	8.243	9.325	13170408	7450906	8.690	5.025 #
21) Endrin Ke...	8.576	9.518	1173468	4146178	0.508	2.416 #
23) Hexachlor...	2.877	3.559	270705	722165	BelowCal	BelowCal
24) Hexachlor...	5.475	6.307	536876	320883	BelowCal	BelowCal
25) Oxychlorane	6.984f	7.756	1654122	5941896	0.300	1.829 #
26) 2,4'-DDE	7.052	7.970	682761	1271929	0.087	0.372 #
27) trans-Non...	7.223	8.056	2468907	1265969	0.424	0.144 #
28) 2,4'-DDD	7.398	8.312f	1526561	12274219	0.488	6.064 #
29) 2,4'-DDT	7.566f	8.559	1232239	785855	0.349	0.190 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062052.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 3:19
 Operator : MJB
 Sample : A0I0556-08RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:25:55 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

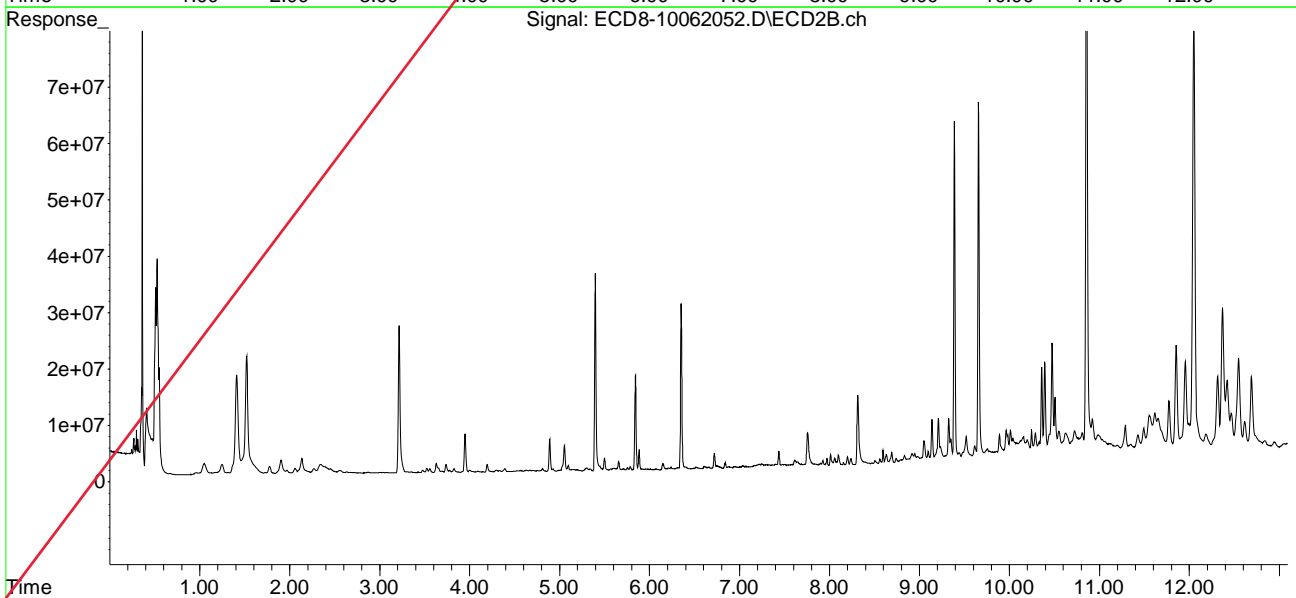
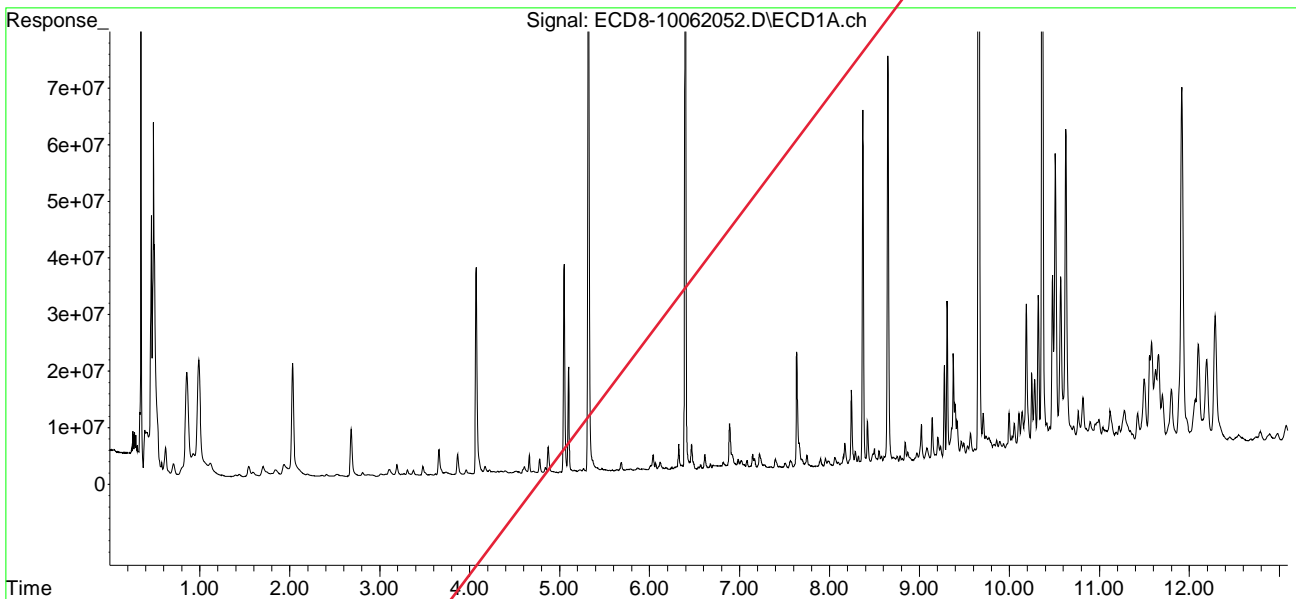
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.693	8.595	1352224	2344893	0.149	0.488 #
31)	Mirex	8.319	9.518	1405875	4146178	0.251	1.555 #
32)	Chlordane...	7.448	8.236	194944	1070247	0.431	2.422 #
33)	Chlordane...	7.506	8.312f	762363	12274219	1.386	32.975 #
34)	Chlordane...	8.057	8.977	1425916	1017698	9.831	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.326	8.391f	131136	416263	7.623	13.767 #
37)	Toxaphene...	7.636f	8.766	20318471	312525	625.579	7.953 #
38)	Toxaphene...	7.902	8.794	1336860	542705	17.742	8.582 #
39)	Toxaphene...	8.151	8.866	1476997	579511	17.193	BelowCal #
40)	Toxaphene...	8.370	9.050	62422774	3738241	1117.662	65.842 #
41)	Toxaphene...	8.422f	9.438	7482811	1350625	97.335	20.860 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 3:19
Operator : MJB
Sample : A0I0556-08RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:25:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062054.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 3:56
 Operator : MJB
 Sample : 0J06051-CCV9
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:29:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.100	5.846	176.4E6	138.0E6	47.249	39.303 Q-31
22) S DCBP (S)	9.276	10.359	146.9E6	122.9E6	48.218	56.748
Target Compounds						
2) a-BHC	5.633	6.447	273.1E6	254.0E6	55.455	53.123
3) g-BHC	5.913	6.763	247.6E6	227.8E6	55.973	53.893
4) b-BHC	5.993	6.831	92928944	80722842	46.806	42.819
5) Heptachlor	6.322	7.131	252.8E6	255.1E6	59.713	61.209
6) d-BHC	6.139	7.082	198.2E6	187.9E6	48.055	46.295
7) Aldrin	6.560	7.394	242.6E6	230.9E6	55.596	58.053
8) Heptachlo...	7.017	7.831	229.8E6	210.0E6	56.747	57.362
9) trans-Chl...	7.113	7.970	221.3E6	209.4E6	53.490	56.508
10) cis-Chlor...	7.209	8.077	219.3E6	207.7E6	53.472	58.549
11) Endosulfa...	7.299	8.125	226.4E6	189.1E6	60.008	57.075
12) 4,4'-DDE	7.282	8.189	193.4E6	170.5E6	47.318	45.938
13) Dieldrin	7.471	8.325	242.7E6	225.1E6	57.390	61.204
14) Endrin	7.631	8.550	189.3E6	173.0E6	62.617	64.491
15) 4,4'-DDD	7.697	8.603	158.7E6	136.2E6	47.505	44.312
16) Endosulfa...	7.787	8.699	177.7E6	167.9E6	54.956	57.238
17) 4,4'-DDT	7.893	8.826	179.1E6	160.3E6	57.972	55.536
18) Endrin Al...	8.073	8.934	156.6E6	150.1E6	47.568	52.716
19) Endosulfa...	8.370	9.125	181.0E6	159.0E6	62.478	60.714
20) Methoxychlor	8.237	9.308	86725890	73160742	57.225	49.340
21) Endrin Ke...	8.560	9.521	216.7E6	199.6E6	93.751	100.015
23) Hexachlor...	0.000	3.578f	0	29486	N.D.	BelowCal
24) Hexachlor...	5.481	6.345f	485719	60913	BelowCal	BelowCal
25) Oxychlorane	6.955	7.774	1024378	9495	0.115	BelowCal #
26) 2,4'-DDE	7.017f	7.970	229.8E6	209.4E6	87.683	85.094
27) trans-Non...	7.209	8.033	219.3E6	760608	58.073	BelowCal #
28) 2,4'-DDD	0.000	8.325	0	225.1E6	N.D.	101.817 #
29) 2,4'-DDT	7.581	8.550	751815	173.0E6	0.141	77.156 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062054.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 3:56
 Operator : MJB
 Sample : 0J06051-CCV9
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:29:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

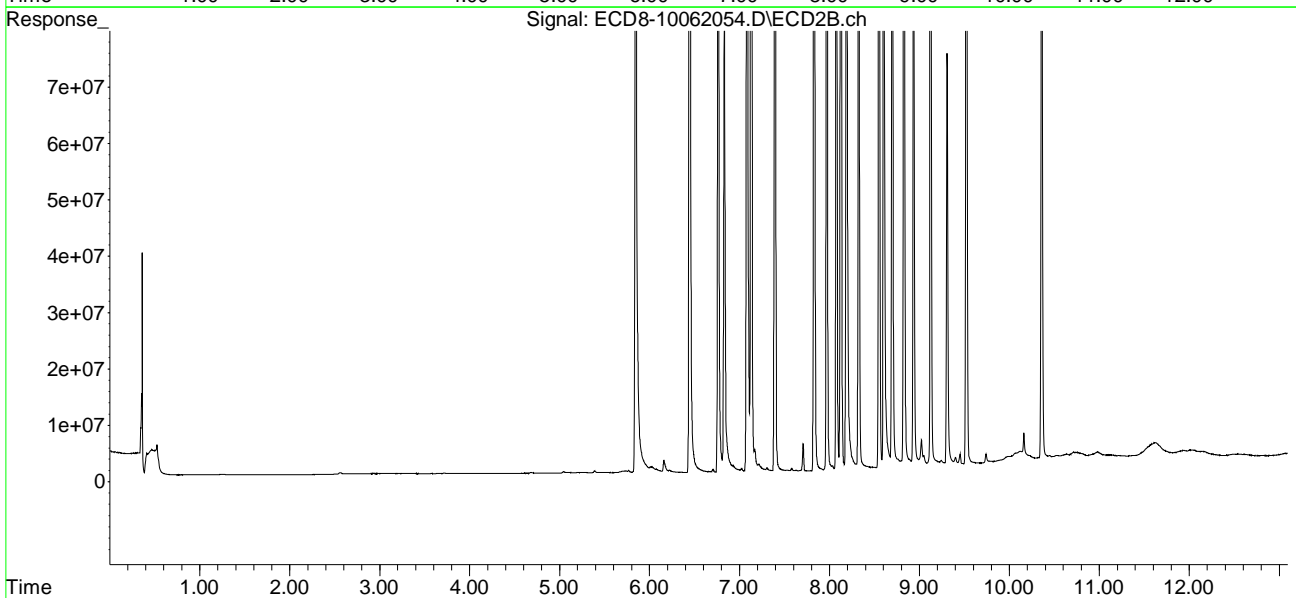
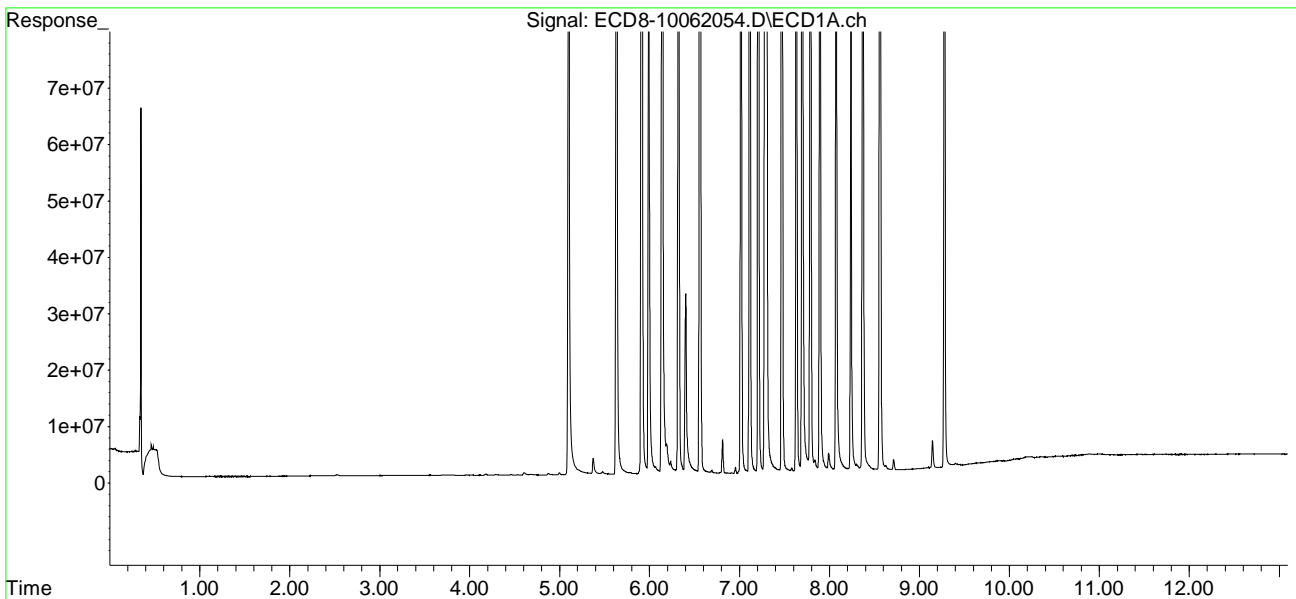
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.697	8.603	158.7E6	136.2E6	38.687	37.017
31)	Mirex	8.300f	9.521	1115949	199.6E6	0.140	87.813 #
32)	Chlordane...	0.000	8.189f	0	170.5E6	N.D.	385.850 #
33)	Chlordane...	0.000	8.325	0	225.1E6	N.D.	604.723 #
34)	Chlordane...	8.073	9.020f	156.6E6	4834797	1079.923	35.649 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.299	8.423	226.4E6	433228	13161.928	14.328 #
37)	Toxaphene...	7.631f	8.757	189.3E6	1559408	6125.672	39.683 #
38)	Toxaphene...	7.893f	8.826f	179.1E6	160.3E6	2377.344	2535.454
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.370	9.048	181.0E6	2070951	3240.007	36.476 #
41)	Toxaphene...	0.000	9.401f	0	1484590	N.D.	22.929 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 3:56
Operator : MJB
Sample : 0J06051-CCV9
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:29:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062055.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 4:12
 Operator : MJB
 Sample : 0J06051-CCVA
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:30:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.077f	0.000	1443513	0	0.387	N.D. #
22) S DCBP (S)	9.281	10.377	123242	1524284	BelowCal	0.495
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.915	6.760	158353	66429	0.036	0.016 #
4) b-BHC	6.010	6.843	136432	29763	0.069	0.016 #
5) Heptachlor	6.324	7.132	538212	478717	0.127	0.092 #
6) d-BHC	6.149	7.091	147749	63125	0.036	0.049 #
7) Aldrin	6.560	7.393	141340	21869	0.032	BelowCal #
8) Heptachlo...	7.034	7.870f	122.4E6	454110	30.222	0.124 #
9) trans-Chl...	7.111	7.968	1169642	113.1E6	0.283	30.519 #
10) cis-Chlor...	7.205	8.076	211.4E6	2335310	51.540	0.658 #
11) Endosulfa...	7.309	0.000	597337	0	0.158	N.D. #
12) 4,4'-DDE	7.309f	8.190	597337	367307	0.146	0.125
13) Dieldrin	7.446f	8.340	4034942	98222864	0.954	26.707 #
14) Endrin	7.669f	8.562	236.1E6	126.6E6	78.082	48.407 #
15) 4,4'-DDD	7.669f	8.597	236.1E6	224.7E6	70.687	70.212
16) Endosulfa...	7.818f	0.000	303945	0	0.094	N.D. #
17) 4,4'-DDT	7.899	8.829	190162	504213	0.062	0.180 #
18) Endrin Al...	8.079	8.939	259555	612239	0.079	0.215 #
19) Endosulfa...	8.370	9.129	1006032	210356	0.347	0.041 #
20) Methoxychlor	8.246	9.314	43273	322962	0.029	0.218 #
21) Endrin Ke...	8.563	9.511	64800	132.1E6	0.028	69.964 #
23) Hexachlor...	2.884	3.549	180.5E6	226.6E6	51.819	57.795
24) Hexachlor...	5.479	6.312	157.7E6	125.5E6	43.840	36.385
25) Oxychlorane	6.948	7.760	189.9E6	183.9E6	55.433	59.803
26) 2,4'-DDE	7.034	7.968	122.4E6	113.1E6	47.127	48.053
27) trans-Non...	7.205	8.034	211.4E6	210.3E6	55.973	61.414
28) 2,4'-DDD	7.402	8.340	110.1E6	98222864	48.725	47.384
29) 2,4'-DDT	7.583	8.562	135.5E6	126.6E6	57.170	57.867

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062055.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 4:12
 Operator : MJB
 Sample : 0J06051-CCVA
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:30:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

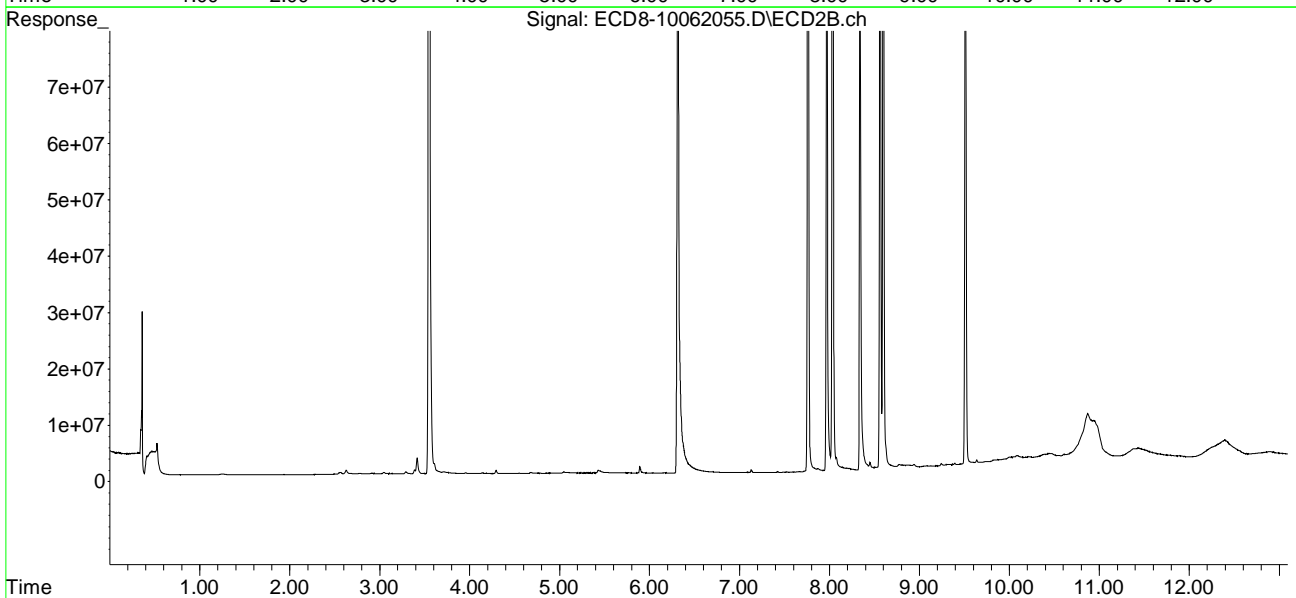
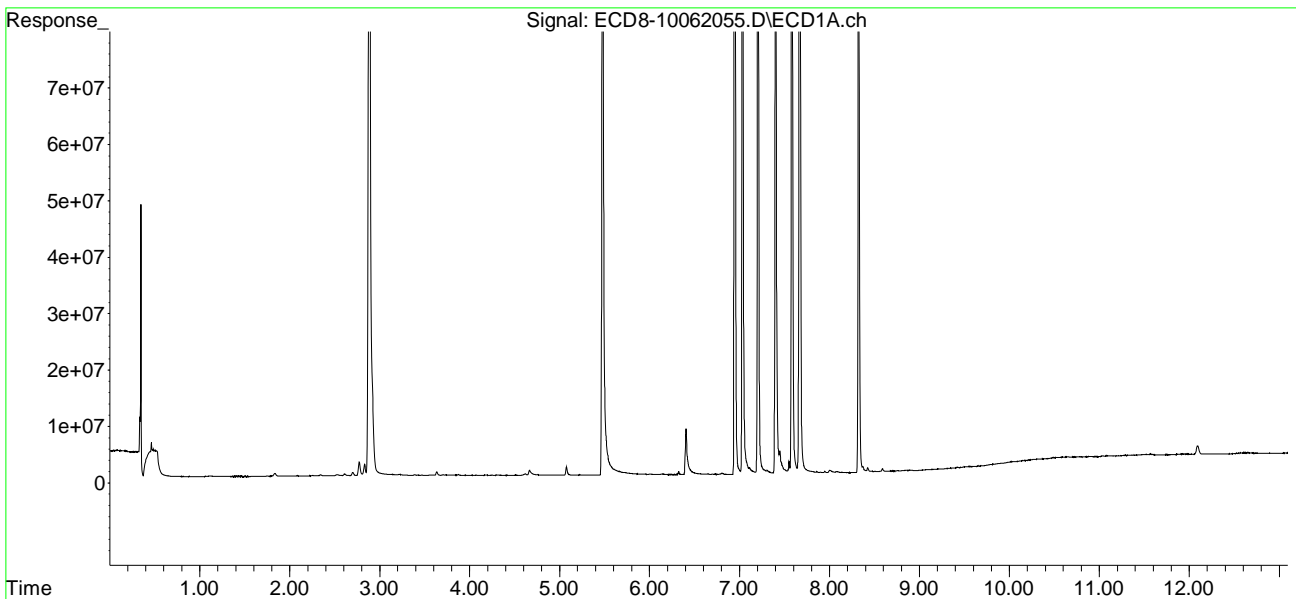
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.669	8.597	236.1E6	224.7E6	57.491	59.661
31)	Mirex	8.324	9.511	137.9E6	132.1E6	52.664	59.350
32)	Chlordane...	7.446	8.217	4034942	328155	8.919	0.743 #
33)	Chlordane...	7.550f	8.340	2188934	98222864	3.978	263.878 #
34)	Chlordane...	8.079	0.000	259555	0	1.790	N.D. #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.309	8.450f	597337	1252682	34.725	41.429
37)	Toxaphene...	7.583f	8.778	135.5E6	641493	4316.962	16.324 #
38)	Toxaphene...	7.899	8.808	190162	555542	2.524	8.785 #
39)	Toxaphene...	8.172	8.876	71088	462232	BelowCal	BelowCal
40)	Toxaphene...	8.370	9.083f	1006032	233036	18.013	4.105 #
41)	Toxaphene...	8.425f	9.416	746557	299797	9.711	4.630 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 4:12
Operator : MJB
Sample : 0J06051-CCVA
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:30:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062056.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 4:29
 Operator : MJB
 Sample : 0J06051-CCB3
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:31:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.100	5.845	344.1E6	297.9E6	92.190	84.876
22) S DCBP (S)	9.277	10.359	273.6E6	241.3E6	89.787	106.878
Target Compounds						
2) a-BHC	5.667f	0.000	138982	0	0.028	N.D. #
3) g-BHC	0.000	6.749	0	40404	N.D.	0.009 #
4) b-BHC	6.011	6.846	38798	10896	0.020	0.006 #
5) Heptachlor	0.000	7.135	0	15022	N.D.	BelowCal
6) d-BHC	6.148	7.097	90112	30730	0.022	0.040 #
7) Aldrin	0.000	7.401	0	22537	N.D.	BelowCal
8) Heptachlo...	0.000	7.833	0	38327	N.D.	0.010 #
9) trans-Chl...	7.110	7.992	286986	142477	0.069	0.038 #
10) cis-Chlor...	7.211	8.093	27652	102866	0.007	0.029 #
11) Endosulfa...	7.292	8.128	31876	67907	0.008	0.021 #
12) 4,4'-DDE	7.292	8.205	31876	49865	0.008	0.033 #
13) Dieldrin	7.483	8.342	15996	226859	0.004	0.062 #
14) Endrin	7.641	8.567	22169	75532	0.007	BelowCal #
15) 4,4'-DDD	7.697	8.600	17468	79687	0.005	0.035 #
16) Endosulfa...	7.791	0.000	70059	0	0.022	N.D. #
17) 4,4'-DDT	7.899	8.833	14974	497863	0.005	0.178 #
18) Endrin Al...	8.076	8.940	160417	810381	0.049	0.285 #
19) Endosulfa...	8.375	9.125	82434	629741	0.028	0.217 #
20) Methoxychlor	8.239	9.348f	101061	1020055	0.067	0.688 #
21) Endrin Ke...	8.563	9.527	129658	627041	0.056	0.274 #
23) Hexachlor...	0.000	3.577f	0	27640	N.D.	BelowCal
24) Hexachlor...	5.481	6.353f	835883	89364	0.006	BelowCal #
25) Oxychlorane	6.953	7.762	20225	17801	104477.345	BelowCal #
26) 2,4'-DDE	0.000	7.992	0	142477	N.D.	BelowCal
27) trans-Non...	7.211	8.036	27652	172125	BelowCal	BelowCal
28) 2,4'-DDD	7.409	8.342	7282	226859	BelowCal	BelowCal
29) 2,4'-DDT	7.585	8.567	27655	75532	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
 Data File : ECD8-10062056.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 4:29
 Operator : MJB
 Sample : 0J06051-CCB3
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 13:31:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

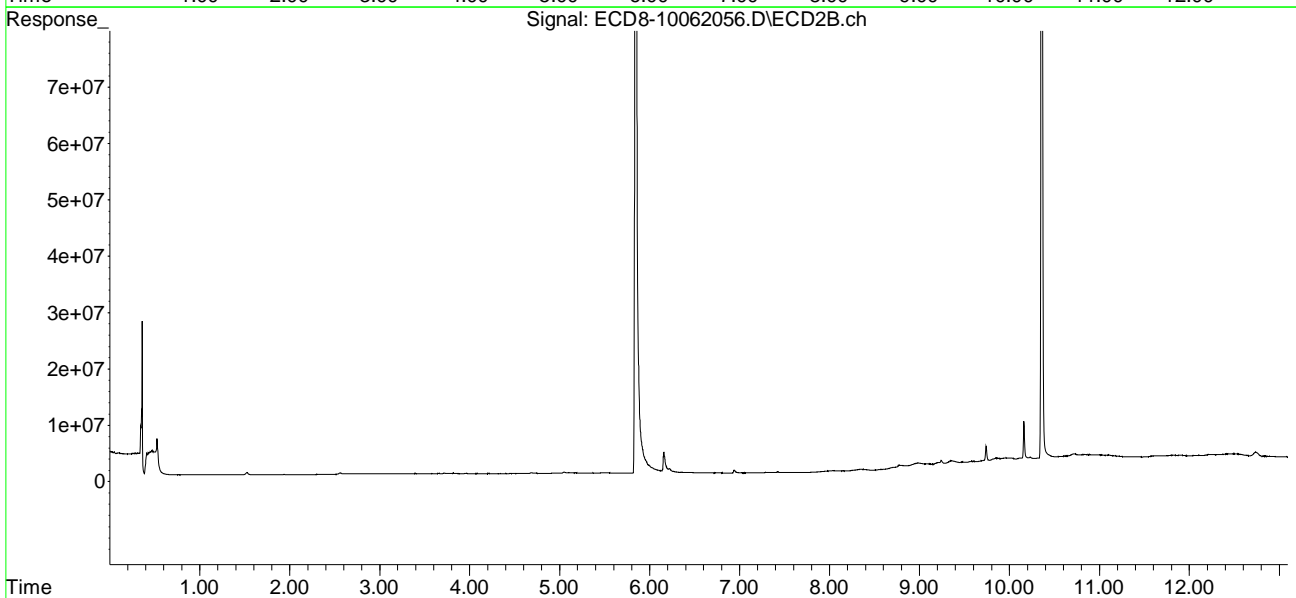
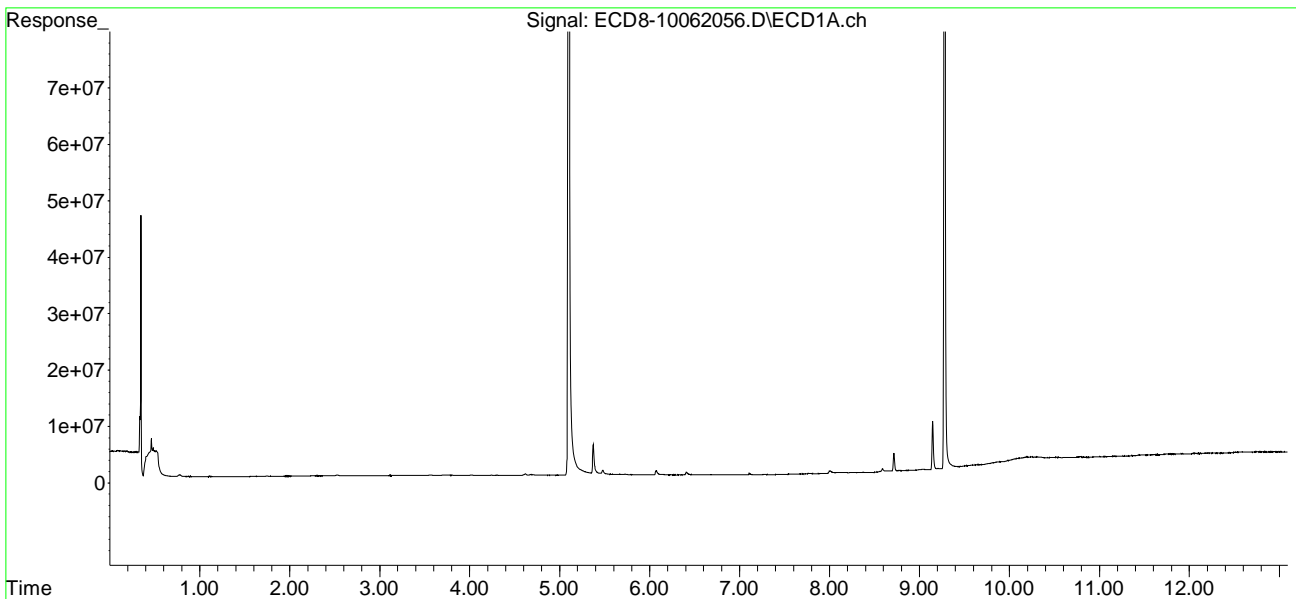
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.672	8.600	40846	79687	BelowCal	BelowCal
31)	Mirex	8.328	9.511	59373	625221	14904.431	BelowCal #
32)	Chlordane...	7.409f	8.216	7282	55056	0.016	0.125 #
33)	Chlordane...	7.520	8.342	15023	226859	0.027	0.609 #
34)	Chlordane...	8.076	8.984	160417	907498	1.106	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.292f	0.000	31876	0	1.853	N.D. #
37)	Toxaphene...	7.610	8.770	18296	634099	125254.886	16.136 #
38)	Toxaphene...	7.926	8.793	14871	585904	0.197	9.265 #
39)	Toxaphene...	8.164	8.857	112409	464029	BelowCal	BelowCal
40)	Toxaphene...	8.375	9.078f	82434	695584	1.476	12.251 #
41)	Toxaphene...	8.415f	9.441	27001	651125	0.351	10.056 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J06051\
Data File : ECD8-10062056.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 4:29
Operator : MJB
Sample : 0J06051-CCB3
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 13:31:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Sequence 0J07055 (A0I0556-09RE1,10RE1,21RE2,27RE2)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **OJ07055**

Instrument: **DUALECD8**

Date: **10/07/20 11:19**

Calibration: **A0G2005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ07055-BKD1	Sediment	QC	QC				A20H479
2	OJ07055-CCV1	Sediment	QC	QC				A20H475
3	OJ07055-CCV2	Sediment	QC	QC				A20I185
4	OJ07055-CCB1	Sediment	QC	QC				A20I313
5	A0I0751-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100149		
6	A0I0750-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100149		
7	A0I0750-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100149		
8	A0I0750-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100149		
9	OJ07055-IBL1	Sediment	QC	QC				
10	A0I0751-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100149		
11	OJ07055-IBL2	Sediment	QC	QC				
12	OJ07055-CCV3	Sediment	QC	QC				A20H476
13	OJ07055-CCV4	Sediment	QC	QC				A20I186
14	OJ07055-CCB2	Sediment	QC	QC				A20I313
15	A0I0556-09RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
16	OJ07055-IBL3	Sediment	QC	QC				
17	A0I0556-10RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
18	OJ07055-IBL4	Sediment	QC	QC				
19	A0I0556-27RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
20	OJ07055-IBL5	Sediment	QC	QC				
21	A0I0556-21RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
22	OJ07055-IBL6	Sediment	QC	QC				
23	A0I0505-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/06/20	0100149		
24	A0I0505-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/06/20	0100149		
25	A0I0505-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/06/20	0100149		
26	A0I0505-06RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/06/20	0100149		
27	OJ07055-CCV5	Sediment	QC	QC				A20H475
28	OJ07055-CCV6	Sediment	QC	QC				A20I185
29	OJ07055-CCB3	Sediment	QC	QC				A20I313
30	A0I0505-07RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/06/20	0100149		
31	A0I0616-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/08/20	0100149		
32	A0I0616-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/08/20	0100149		
33	A0I0616-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/08/20	0100149		
34	A0I0616-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/08/20	0100149		
35	A0I0616-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/08/20	0100149		
36	A0I0616-07RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)		10/08/20	0100149		
37	OJ07055-CCV7	Sediment	QC	QC				A20H476
38	OJ07055-CCV8	Sediment	QC	QC				A20I186
39	OJ07055-CCB4	Sediment	QC	QC				A20I313
40	OJ07055-IBL7	Sediment	QC	QC				

Data Entered By/Date: MJB 10/8/20

Comments: **COMPLETE**

Data Reviewed By/Date: MKZ 10/8/2020

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0J07055 BKD1
Data File: ECD8-10072003.D

MJB 10/7/20

First Column Area Counts		Percent Breakdown	
DDE	14928663		
DDD	67438766		
DDT	3236775379	2.48	PASS
Endrin	1674618042	11.92	PASS
Endrin Aldehyde	114742865		
Endrin Ketone	111808798		

Second Column Area Counts		Percent Breakdown	
DDE	12245402		
DDD	78130237		
DDT	2997174198	2.93	PASS
Endrin	1500807147	11.87	PASS
Endrin Aldehyde	105294826		
Endrin Ketone	96895508		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 12:01
 Operator : MJB
 Sample : 0J07055-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 12:16:38 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTF.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.287	14928663	NoCal	ng/mL
2) Endrin	7.635	1674618042	NoCal	ng/mL
3) 4,4'-DDD	7.701	67438766	NoCal	ng/mL
4) 4,4'-DDT	7.896	3236775379	NoCal	ng/mL
5) Endrin Aldehyde	8.077	114742865	NoCal	ng/mL
6) Endrin Ketone	8.564	111808798	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.197	12245402	NoCal	ng/mL
9) Endrin [2C]	8.553	1500807147	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.608	78130237	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.937	105294826	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.829	2997174198	NoCal	ng/mL
13) Endrin Ketone [2C]	9.524	96895508	NoCal	ng/mL

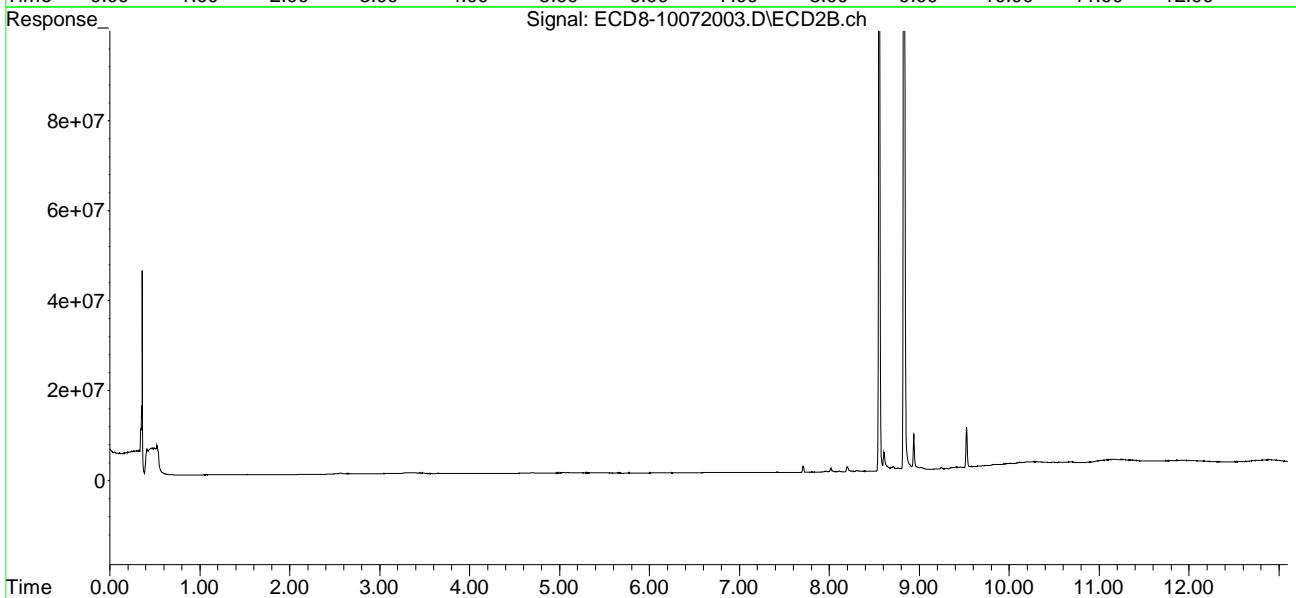
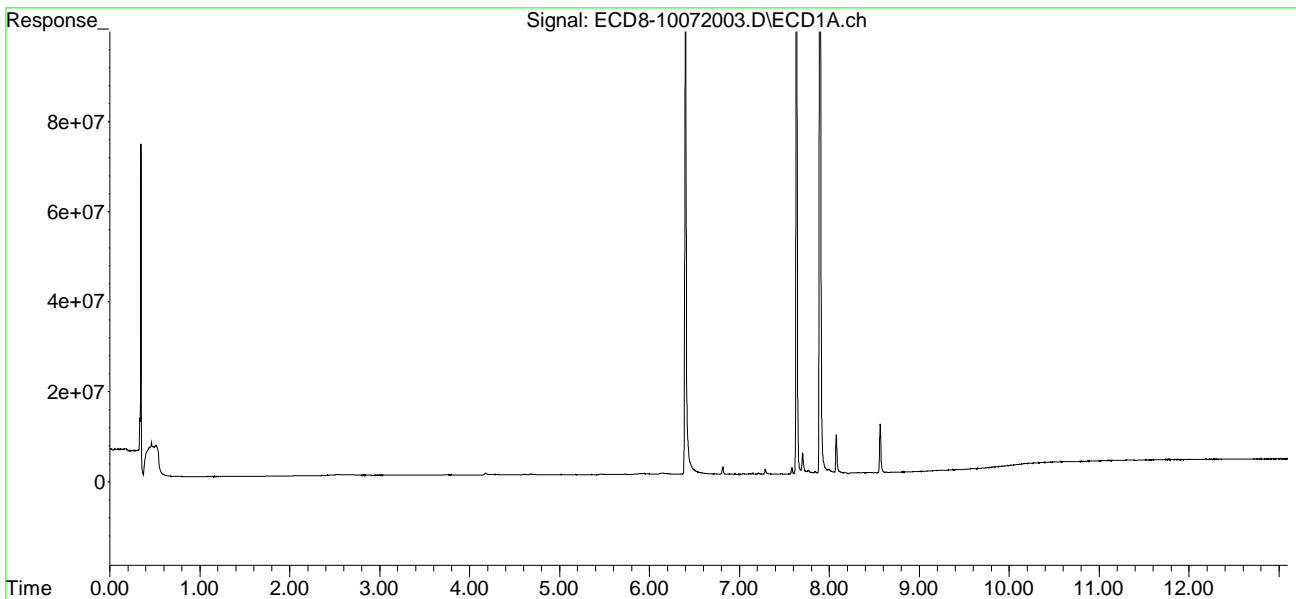
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 12:01
Operator : MJB
Sample : 0J07055-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 12:16:38 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTF.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 12:18
 Operator : MJB
 Sample : 0J07055-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 15:49:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.101	5.846	161.1E6	124.4E6	43.176	35.442 Q-31
22) S DCBP (S)	9.280	10.363	129.7E6	109.1E6	42.571	50.619
Target Compounds						
2) a-BHC	5.633	6.447	251.6E6	222.4E6	51.096	46.942
3) g-BHC	5.914	6.763	226.2E6	206.1E6	51.144	49.136
4) b-BHC	5.994	6.831	83730331	73042605	42.173	38.745
5) Heptachlor	6.323	7.132	228.6E6	227.3E6	53.996	55.022
6) d-BHC	6.140	7.083	184.7E6	167.8E6	44.774	41.639
7) Aldrin	6.561	7.395	218.0E6	208.9E6	49.968	52.909
8) Heptachlo...	7.018	7.832	198.7E6	194.5E6	49.068	53.131
9) trans-Chl...	7.115	7.972	205.5E6	194.9E6	49.667	52.606
10) cis-Chlor...	7.210	8.079	193.4E6	185.5E6	47.154	52.296
11) Endosulfa...	7.301	8.127	198.6E6	176.9E6	52.635	53.407
12) 4,4'-DDE	7.284	8.190	187.1E6	161.1E6	45.776	43.573
13) Dieldrin	7.473	8.326	208.6E6	201.4E6	49.317	54.765
14) Endrin	7.634	8.553	173.4E6	155.9E6	57.334	58.648
15) 4,4'-DDD	7.699	8.605	146.3E6	129.2E6	43.789	42.181
16) Endosulfa...	7.789	8.701	165.1E6	154.9E6	51.054	52.793
17) 4,4'-DDT	7.895	8.829	162.1E6	146.2E6	52.453	51.091
18) Endrin Al...	8.077	8.936	143.9E6	137.6E6	43.693	48.345
19) Endosulfa...	8.374	9.128	158.0E6	143.4E6	54.540	55.218
20) Methoxychlor	8.240	9.309	80865300	68645101	53.358	46.295
21) Endrin Ke...	8.564	9.524	193.3E6	175.3E6	83.625	89.532
23) Hexachlor...	0.000	3.574	0	28677	N.D.	BelowCal
24) Hexachlor...	5.481	6.347f	362610	42575	BelowCal	BelowCal
25) Oxychlorane	6.956	7.772	960807	9313	0.097	BelowCal #
26) 2,4'-DDE	7.018	7.972	198.7E6	194.9E6	76.031	79.729
27) trans-Non...	7.210	8.034	193.4E6	879145	51.201	0.022 #
28) 2,4'-DDD	0.000	8.326	0	201.4E6	N.D.	92.144 #
29) 2,4'-DDT	7.582	8.553	672279	155.9E6	0.107	70.148 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 12:18
 Operator : MJB
 Sample : 0J07055-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 15:49:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

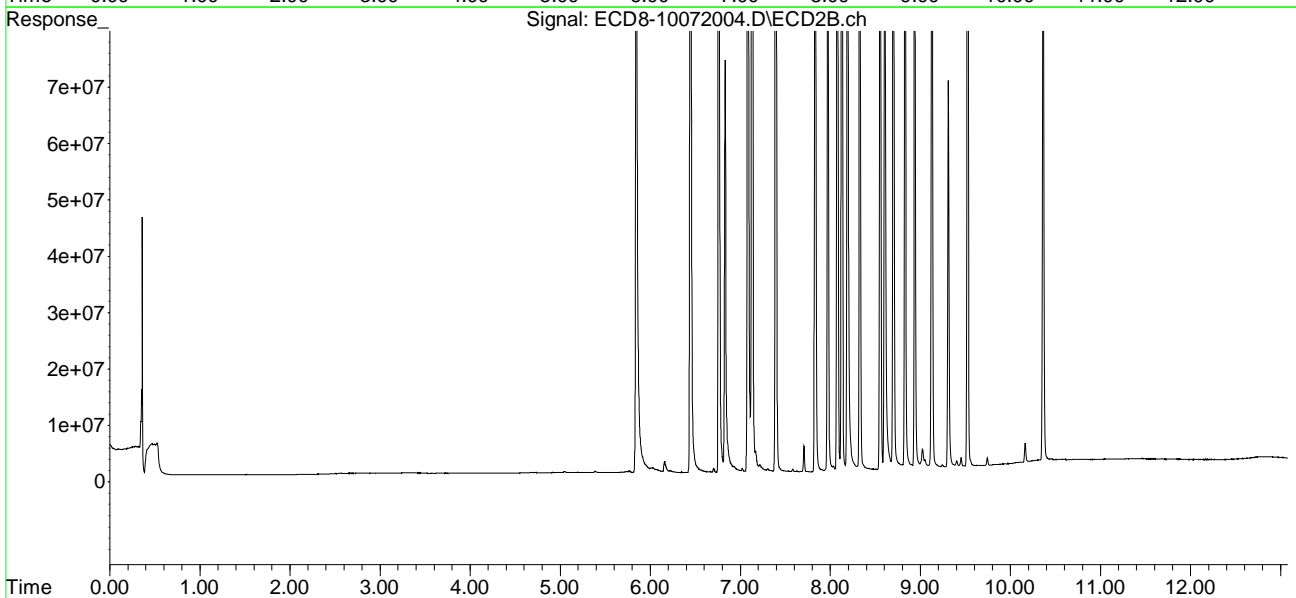
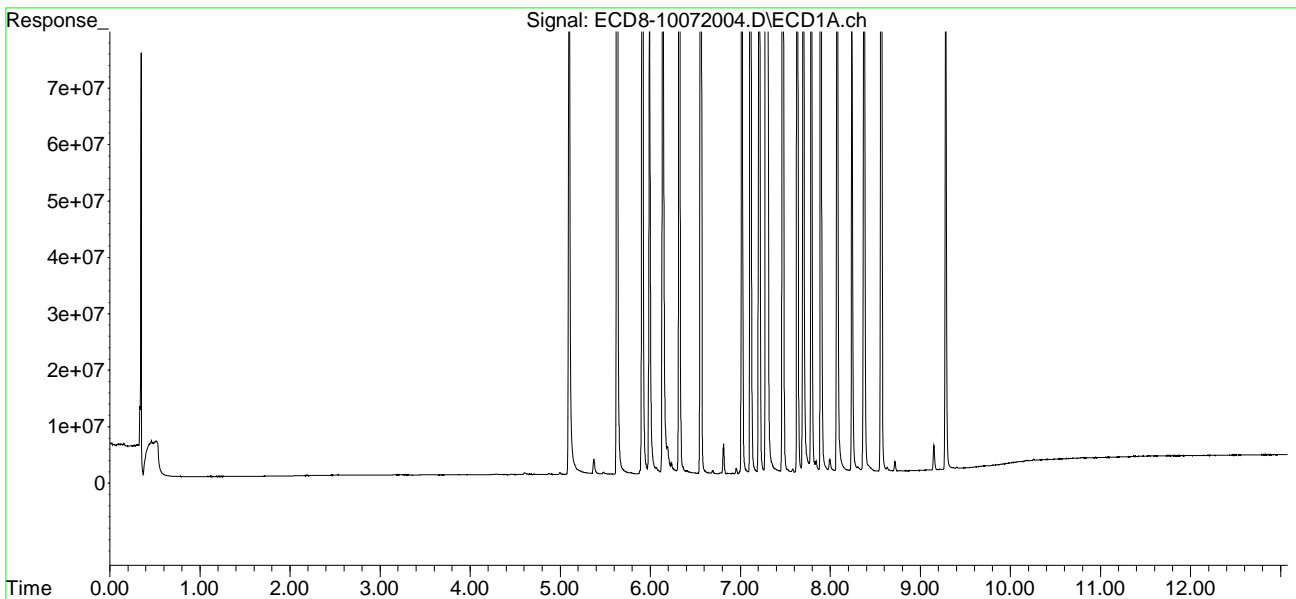
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.699f	8.605	146.3E6	129.2E6	35.663	35.181
31)	Mirex	8.319	9.524	653583	175.3E6	14904.204	77.715 #
32)	Chlordane...	0.000	8.190f	0	161.1E6	N.D.	364.558 #
33)	Chlordane...	0.000	8.326	0	201.4E6	N.D.	541.106 #
34)	Chlordane...	8.077	9.024f	143.9E6	3394026	991.946	22.130 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.301	8.422	198.6E6	290961	11544.689	9.623 #
37)	Toxaphene...	7.582f	8.799f	672279	782070	17.587	19.902
38)	Toxaphene...	7.895f	8.799	162.1E6	782070	2151.023	12.367 #
39)	Toxaphene...	0.000	8.896f	0	801147	N.D.	1.664 #
40)	Toxaphene...	8.374	9.050	158.0E6	1544335	2828.378	27.201 #
41)	Toxaphene...	0.000	9.403f	0	1140422	N.D.	17.613 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 12:18
Operator : MJB
Sample : 0J07055-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 15:49:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 12:34
 Operator : MJB
 Sample : 0J07055-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 15:50:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.077f	5.839	1244451	49328	0.333	0.014 #
22) S DCBP (S)	9.298	10.390f	44976	270348	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.657	0.000	557430	0	0.113	N.D. #
3) g-BHC	5.897f	6.791f	185707	150658	0.042	0.038
4) b-BHC	6.010	6.816f	66048	146896	0.033	0.078 #
5) Heptachlor	6.325	7.133	502996	463142	0.119	0.088 #
6) d-BHC	6.149	7.091	60250	65072	0.015	0.049 #
7) Aldrin	6.560	7.395	30148	25423	0.007	BelowCal #
8) Heptachlo...	7.035	7.874f	112.5E6	486198	27.777	0.133 #
9) trans-Chl...	7.112	7.969	1044149	99404804	0.252	26.827 #
10) cis-Chlor...	7.206	8.077	184.2E6	1993509	44.924	0.562 #
11) Endosulfa...	7.312	8.141	576116	398188	0.153	0.120
12) 4,4'-DDE	7.312f	8.191	576116	259232	0.141	0.094 #
13) Dieldrin	7.448f	8.341	3180460	84565220	0.752	22.994 #
14) Endrin	7.671f	8.563	190.7E6	107.7E6	63.054	41.616 #
15) 4,4'-DDD	7.671f	8.599	190.7E6	189.6E6	57.082	60.164
16) Endosulfa...	7.821f	8.738f	219630	173420	0.068	0.059
17) 4,4'-DDT	7.898	8.830	159783	263591	0.052	0.087 #
18) Endrin Al...	8.093	8.943	189247	298403	0.057	0.105 #
19) Endosulfa...	8.372	9.129	856797	103932	0.296	BelowCal #
20) Methoxychlor	8.245	0.000	11537	0	0.008	N.D. #
21) Endrin Ke...	8.588	9.512	474150	109.8E6	0.205	59.328 #
23) Hexachlor...	2.884	3.549	170.8E6	211.4E6	49.025	54.106
24) Hexachlor...	5.480	6.312	147.1E6	105.6E6	40.916	30.795
25) Oxychlorane	6.949	7.762	167.4E6	154.3E6	48.843	50.650
26) 2,4'-DDE	7.035	7.969	112.5E6	99404804	43.345	42.520
27) trans-Non...	7.206	8.036	184.2E6	175.6E6	48.774	51.820
28) 2,4'-DDD	7.402	8.341	95108624	84565220	42.106	41.095
29) 2,4'-DDT	7.583	8.563	112.2E6	107.7E6	47.468	49.724

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 12:34
 Operator : MJB
 Sample : 0J07055-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 15:50:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

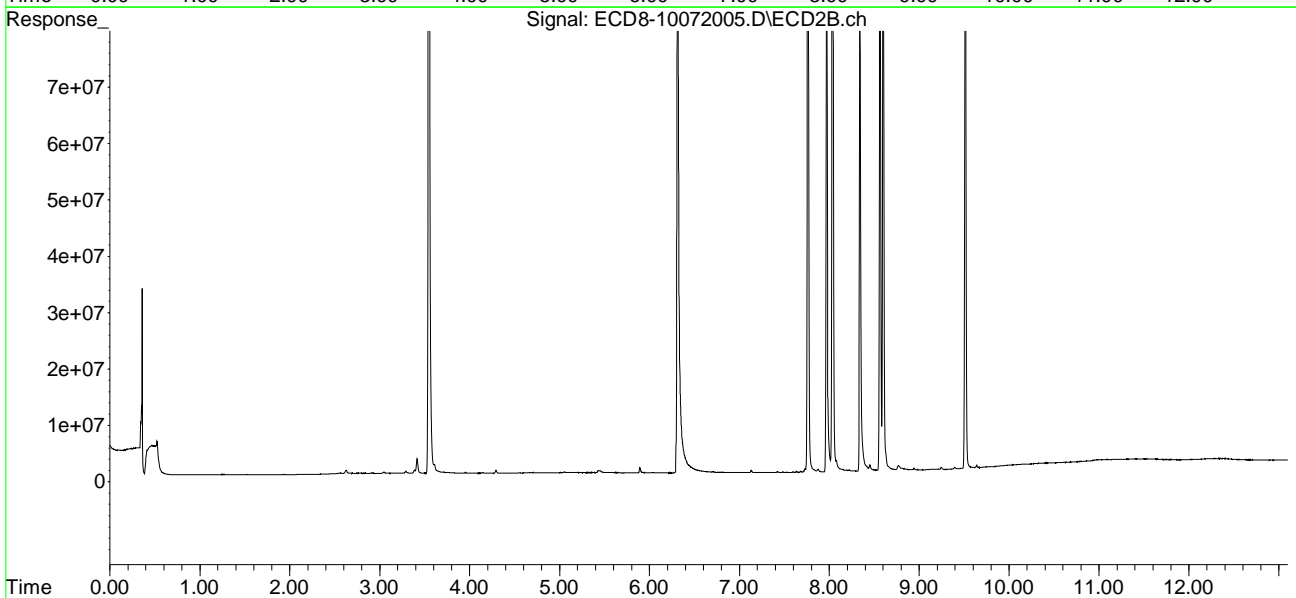
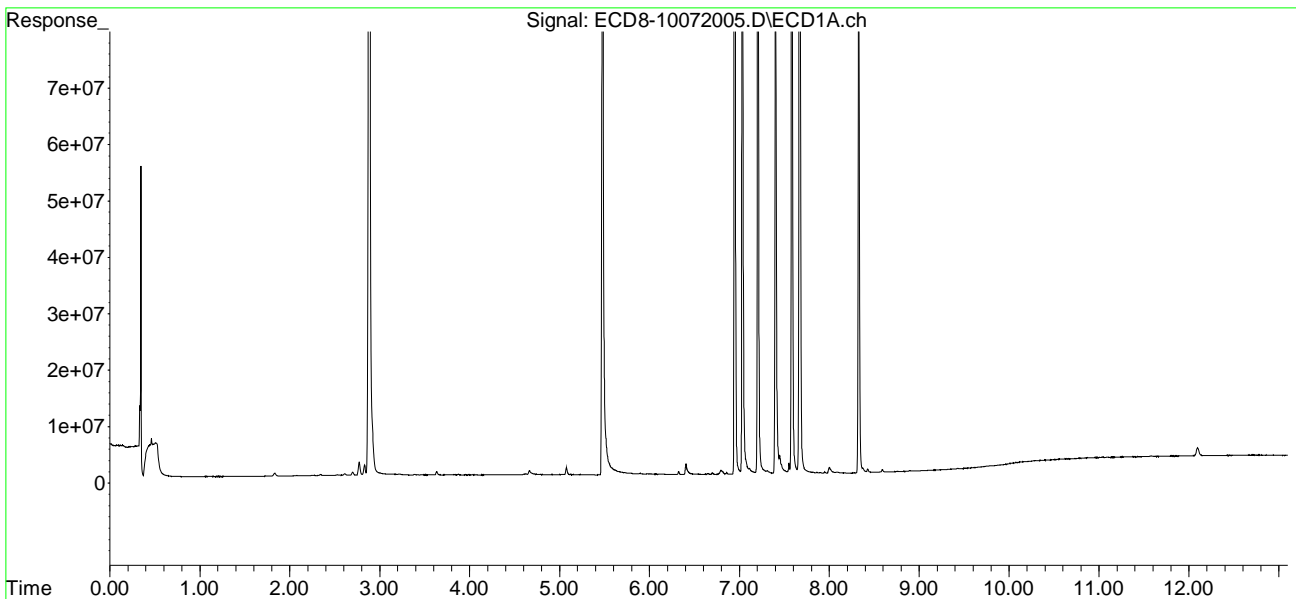
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.671	8.599	190.7E6	189.6E6	46.468	50.807
31)	Mirex	8.327	9.512	117.5E6	109.8E6	44.786	49.648
32)	Chlordane...	7.448	8.219	3180460	244499	7.030	0.553 #
33)	Chlordane...	7.552f	8.341	1826969	84565220	3.321	227.186 #
34)	Chlordane...	8.093f	8.985	189247	50016	1.305	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.312	8.452f	576116	1049313	33.491	34.703
37)	Toxaphene...	7.583f	8.766	112.2E6	846363	3551.577	21.538 #
38)	Toxaphene...	7.898	8.830f	159783	263591	2.121	4.168 #
39)	Toxaphene...	8.175	0.000	43163	0	BelowCal	N.D.
40)	Toxaphene...	8.372	9.054	856797	28693	15.341	0.505 #
41)	Toxaphene...	8.427	9.394f	674322	307262	8.771	4.746 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 12:34
Operator : MJB
Sample : 0J07055-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 15:50:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 12:51
 Operator : MJB
 Sample : 0J07055-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 15:51:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.101	5.846	304.1E6	260.9E6	81.484	74.330
22) S DCBP (S)	9.280	10.362	216.1E6	196.5E6	70.951	88.375
Target Compounds						
2) a-BHC	5.668f	0.000	71966	0	0.015	N.D. #
3) g-BHC	0.000	6.776	0	16567	N.D.	0.003 #
4) b-BHC	6.013	0.000	17651	0	0.009	N.D. #
5) Heptachlor	6.330	7.102f	7859	6536	0.002	BelowCal #
6) d-BHC	6.152	7.087	38231	6398	0.009	0.034 #
7) Aldrin	0.000	7.425f	0	185524	N.D.	0.042 #
8) Heptachlo...	7.036	7.835	13099	20188	0.003	0.006 #
9) trans-Chl...	7.112	7.976	213165	14981	0.052	0.004 #
10) cis-Chlor...	7.218	8.082	124632	52255	0.030	0.015 #
11) Endosulfa...	0.000	8.125	0	23099	N.D.	0.007 #
12) 4,4'-DDE	7.264	8.189	50410	15107	0.012	0.023 #
13) Dieldrin	7.469	8.332	11978	17443	0.003	0.005 #
14) Endrin	7.632	8.567	6942	29746	0.002	BelowCal #
15) 4,4'-DDD	7.702	8.604	7753	25763	0.002	0.016 #
16) Endosulfa...	7.799	8.712	30955	23078	0.010	0.008
17) 4,4'-DDT	7.901	8.830	14909	65883	0.005	0.010 #
18) Endrin Al...	8.081	8.940	83641	104155	0.025	0.037 #
19) Endosulfa...	8.378	9.131	29807	49888	0.010	BelowCal #
20) Methoxychlor	8.235	9.338f	58875	19696	0.039	0.013 #
21) Endrin Ke...	8.566	9.529	28934	120579	0.013	BelowCal #
23) Hexachlor...	0.000	3.577f	0	50301	N.D.	BelowCal
24) Hexachlor...	5.482	6.353f	694686	88288	BelowCal	BelowCal
25) Oxychlorane	6.953	7.759	9143	20504	104477.349	BelowCal #
26) 2,4'-DDE	7.036	7.976	13099	14981	BelowCal	BelowCal
27) trans-Non...	7.218	8.037	124632	119237	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.340	0	17413	N.D.	BelowCal
29) 2,4'-DDT	7.591	8.567	14693	29746	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 12:51
 Operator : MJB
 Sample : 0J07055-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 15:51:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

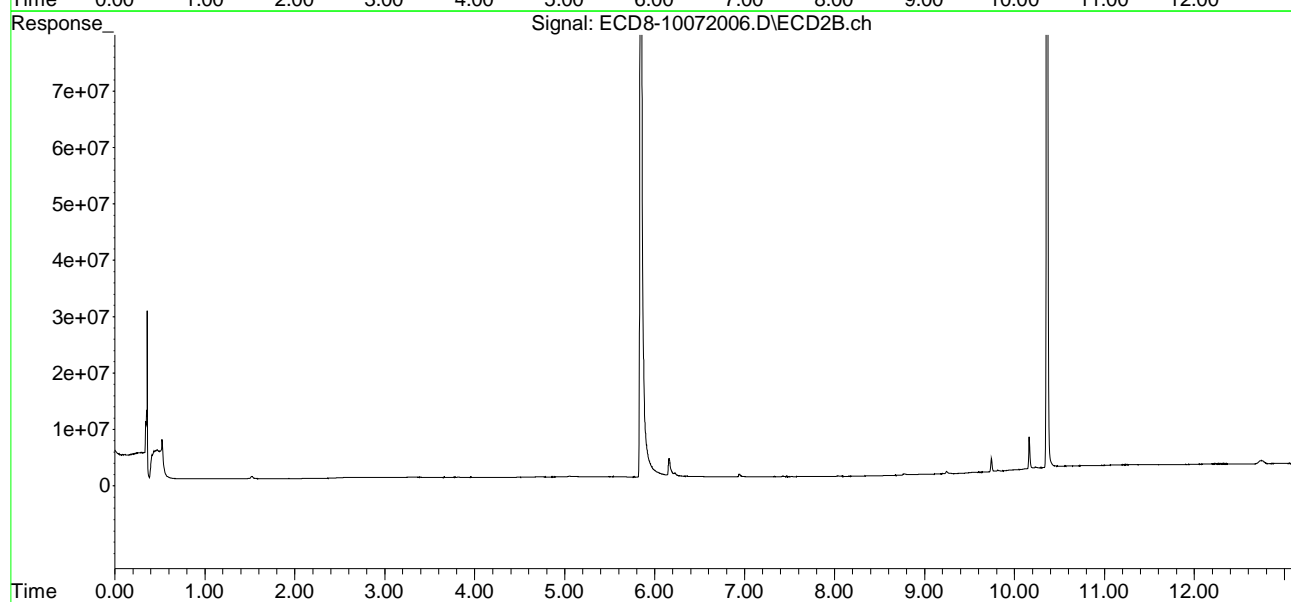
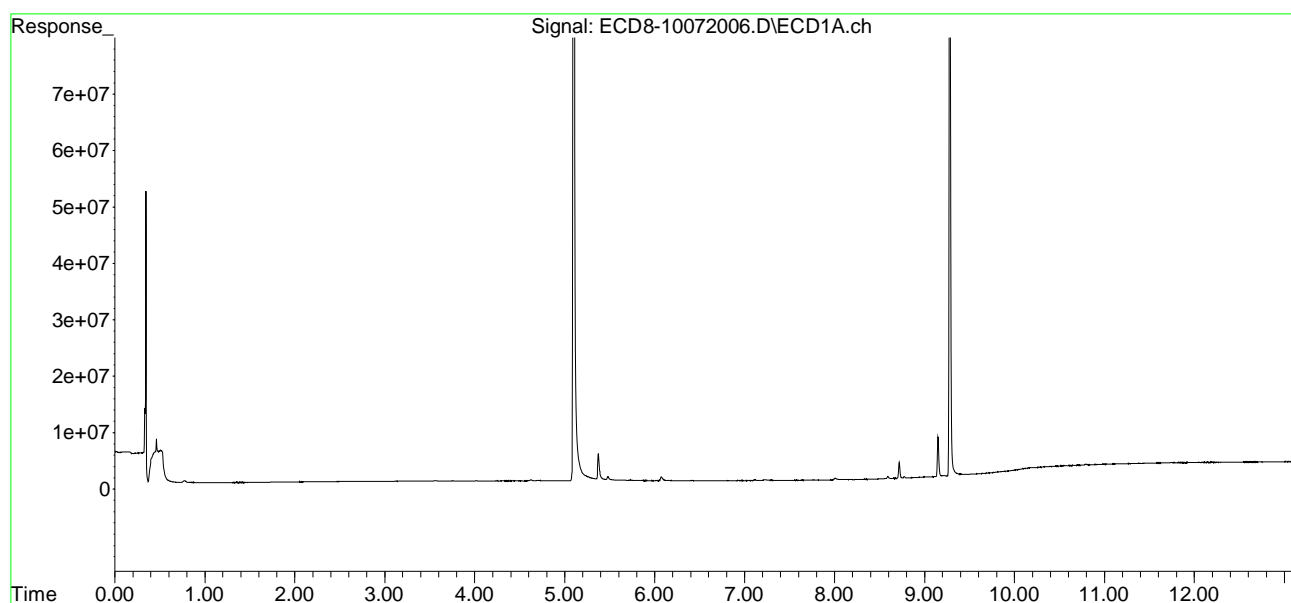
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.674	8.604	26106	25763	BelowCal	BelowCal
31)	Mirex	8.339	9.529	82043	120579	14904.422	BelowCal #
32)	Chlordane...	7.469f	8.226	11978	9400	0.026	0.021
33)	Chlordane...	7.564f	8.332	19397	17443	0.035	0.047 #
34)	Chlordane...	8.063	8.995	62836	51158	0.433	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.422	0	24384	N.D.	0.806 #
37)	Toxaphene...	7.591	8.772	14693	219112	125254.997	5.576 #
38)	Toxaphene...	7.920	8.812	10438	86371	0.139	1.366 #
39)	Toxaphene...	8.141	8.869	54259	54163	BelowCal	BelowCal
40)	Toxaphene...	8.378	9.051	29807	25252	0.534	0.445
41)	Toxaphene...	8.456	9.416	6356	31461	0.083	0.486 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 12:51
Operator : MJB
Sample : 0J07055-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 15:51:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 15:12
 Operator : MJB
 Sample : 0J07055-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 16:12:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.100	5.846	336.0E6	276.7E6	90.027	78.836
22) S DCBP (S)	9.279	10.362	244.5E6	204.4E6	80.274	91.678
Target Compounds						
2) a-BHC	5.633	6.448	511.7E6	477.5E6	103.917	94.227
3) g-BHC	5.913	6.763	455.0E6	446.1E6	102.864	98.559
4) b-BHC	5.992	6.830	171.5E6	160.2E6	86.375	84.954
5) Heptachlor	6.322	7.132	468.4E6	479.5E6	110.632	108.005
6) d-BHC	6.139	7.082	365.2E6	360.7E6	88.545	84.277
7) Aldrin	6.560	7.395	450.6E6	444.4E6	103.259	104.862
8) Heptachlo...	7.016	7.832	399.2E6	392.0E6	98.576	107.082
9) trans-Chl...	7.113	7.971	416.0E6	404.0E6	100.530	109.038
10) cis-Chlor...	7.209	8.078	386.3E6	385.6E6	94.191	108.679
11) Endosulfa...	7.300	8.126	410.2E6	364.1E6	108.724	109.911
12) 4,4'-DDE	7.282	8.190	370.7E6	332.2E6	90.689	84.200
13) Dieldrin	7.471	8.326	429.9E6	423.7E6	101.664	115.202
14) Endrin	7.632	8.552	334.4E6	299.5E6	110.590	105.024
15) 4,4'-DDD	7.697	8.604	286.9E6	255.1E6	85.895	78.686 Q-31
16) Endosulfa...	7.787	8.700	307.0E6	308.4E6	94.950	105.129
17) 4,4'-DDT	7.894	8.827	307.5E6	289.8E6	99.506	93.364
18) Endrin Al...	8.074	8.936	272.4E6	277.0E6	82.740	97.309
19) Endosulfa...	8.372	9.126	297.6E6	287.4E6	102.746	103.218
20) Methoxychlor	8.238	9.309	142.8E6	127.9E6	94.253	86.282
21) Endrin Ke...	8.561	9.522	363.8E6	337.8E6	157.369	154.248
23) Hexachlor...	0.000	3.577f	0	25235	N.D.	BelowCal
24) Hexachlor...	5.480	6.355f	729039	100403	BelowCal	BelowCal
25) Oxychlorane	6.954	7.772	1819056	48611	0.348	BelowCal #
26) 2,4'-DDE	7.016	7.971	399.2E6	404.0E6	149.940	151.928
27) trans-Non...	7.209	8.032	386.3E6	1391190	102.255	0.184 #
28) 2,4'-DDD	0.000	8.326	0	423.7E6	N.D.	176.249 #
29) 2,4'-DDT	7.580	8.552	1333720	299.5E6	0.393	125.780 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 15:12
 Operator : MJB
 Sample : 0J07055-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 16:12:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

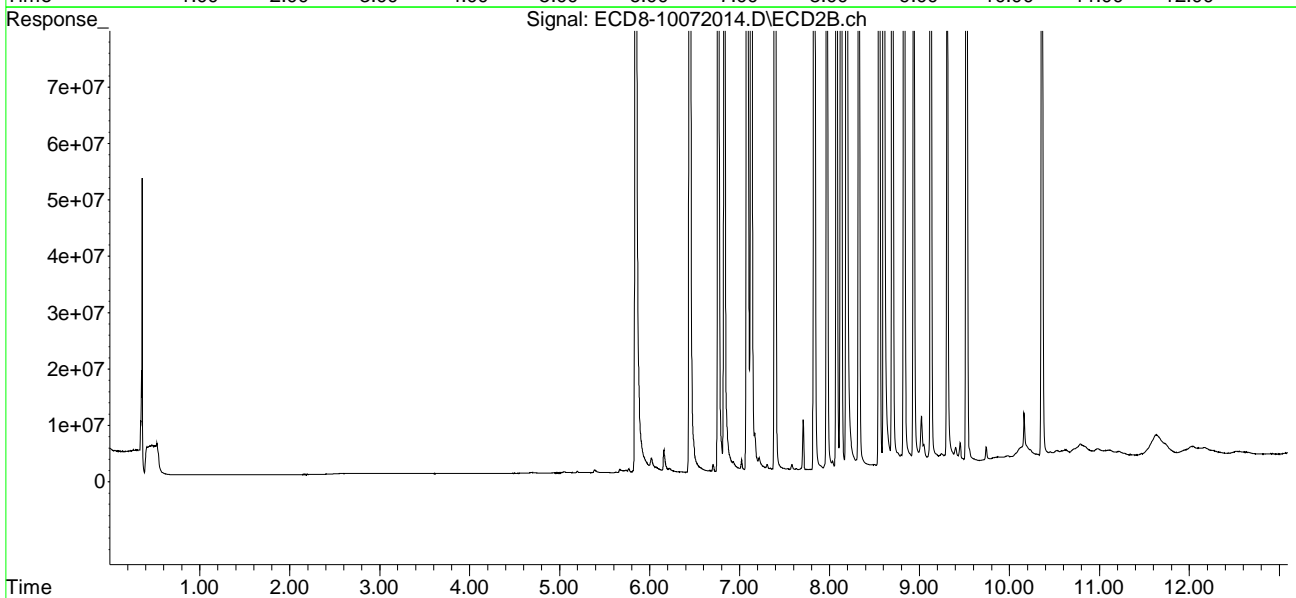
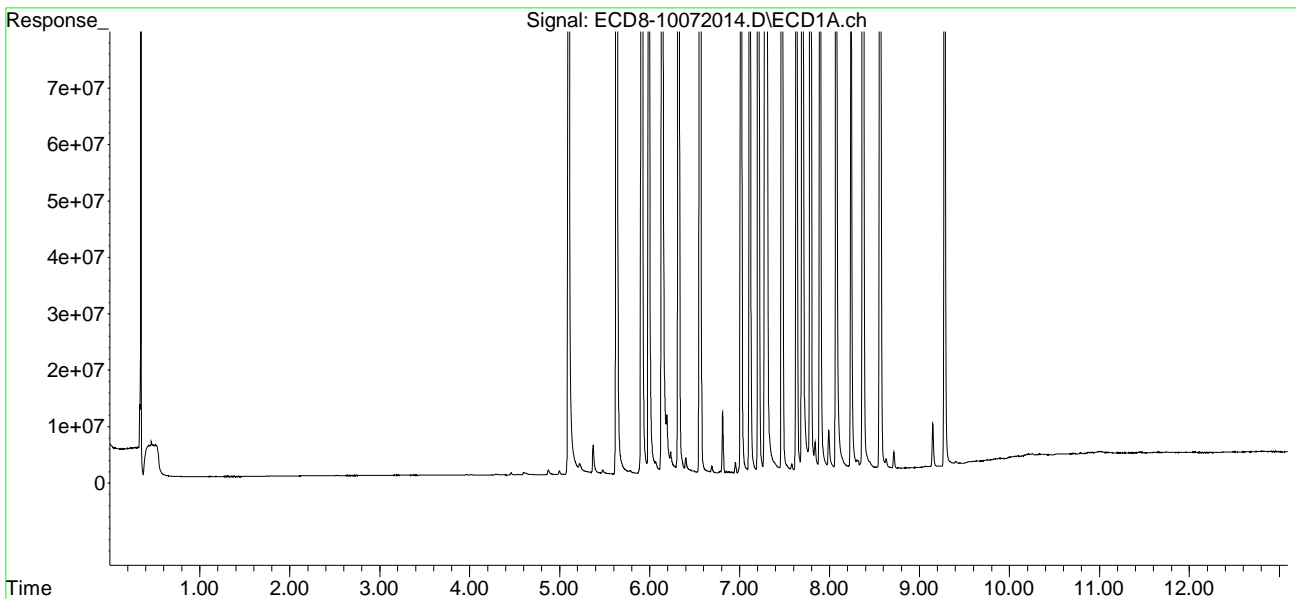
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.697	8.604	286.9E6	255.1E6	69.769	67.194
31)	Mirex	8.317	9.522	1558882	337.8E6	0.310	142.616 #
32)	Chlordane...	0.000	8.190f	0	332.2E6	N.D.	751.962 #
33)	Chlordane...	0.000	8.326	0	423.7E6	N.D.	1138.244 #
34)	Chlordane...	8.074	9.020f	272.4E6	8791026	1878.429	72.563 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.300	0.000	410.2E6	0	23847.064	N.D. #
37)	Toxaphene...	7.632f	8.798f	334.4E6	2061609	11313.999	52.462 #
38)	Toxaphene...	7.894f	8.798	307.5E6	2061609	4080.563	32.601 #
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.372	9.047	297.6E6	3826786	5328.229	67.402 #
41)	Toxaphene...	0.000	9.402f	0	3099329	N.D.	47.868 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 15:12
Operator : MJB
Sample : 0J07055-CCV3
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 16:12:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 15:28
 Operator : MJB
 Sample : 0J07055-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 16:14:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.076f	0.000	2417814	0	0.648	N.D. #
22) S DCBP (S)	0.000	10.339f	0	1721737	N.D.	0.592 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.892f	6.772	296627	202846	0.067	0.051
4) b-BHC	6.013	6.843	206373	150729	0.104	0.080
5) Heptachlor	6.324	7.132	960118	786056	0.227	0.173
6) d-BHC	6.152	7.090	159989	91564	0.039	0.056 #
7) Aldrin	6.528f	7.394	46251	17574	0.011	BelowCal #
8) Heptachlo...	7.033	7.872f	222.7E6	869724	55.006	0.238 #
9) trans-Chl...	7.111	7.969	1855267	217.0E6	0.448	58.569 #
10) cis-Chlor...	7.204	8.076	388.1E6	3966565	94.631	1.118 #
11) Endosulfa...	7.309	0.000	1081145	0	0.287	N.D. #
12) 4,4'-DDE	7.309f	8.189	1081145	652822	0.264	0.209
13) Dieldrin	7.445f	8.339	6791478	193.3E6	1.606	52.562 #
14) Endrin	7.668f	8.562	414.1E6	235.8E6	136.941	85.168 #
15) 4,4'-DDD	7.668f	8.598	414.1E6	409.6E6	123.972	119.101
16) Endosulfa...	7.820f	0.000	539573	0	0.167	N.D. #
17) 4,4'-DDT	7.898	8.831	333501	652183	0.108	0.238 #
18) Endrin Al...	8.077	8.942	233059	971826	0.071	0.341 #
19) Endosulfa...	8.369	9.128	1749049	417517	0.604	0.128 #
20) Methoxychlor	8.252	0.000	10573	0	0.007	N.D. #
21) Endrin Ke...	8.565	9.512	123182	238.9E6	0.053	116.296 #
23) Hexachlor...	2.884	3.549	328.8E6	428.1E6	94.486	104.599
24) Hexachlor...	5.478	6.310	302.5E6	240.5E6	83.567	67.498
25) Oxychlorane	6.948	7.761	338.6E6	341.2E6	99.010	106.004
26) 2,4'-DDE	7.033	7.969	222.7E6	217.0E6	85.047	87.902
27) trans-Non...	7.204	8.035	388.1E6	383.7E6	102.731	106.659
28) 2,4'-DDD	7.401	8.339	193.6E6	193.3E6	85.287	88.786
29) 2,4'-DDT	7.582	8.562	245.7E6	235.8E6	102.215	101.957

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 15:28
 Operator : MJB
 Sample : 0J07055-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 16:14:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

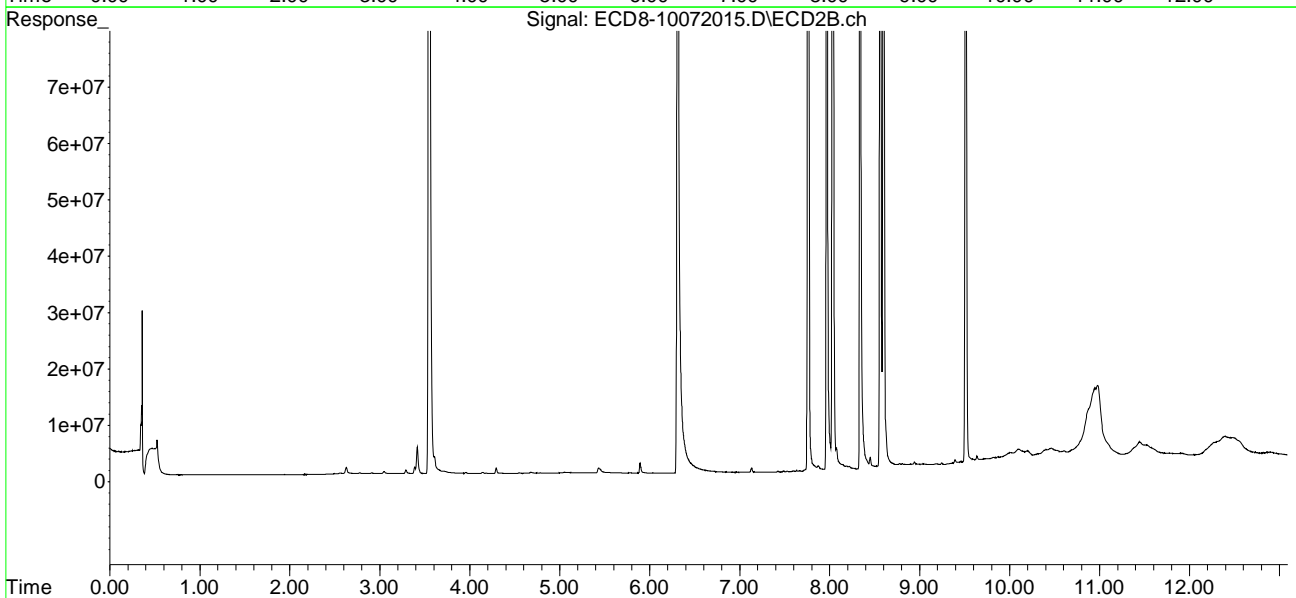
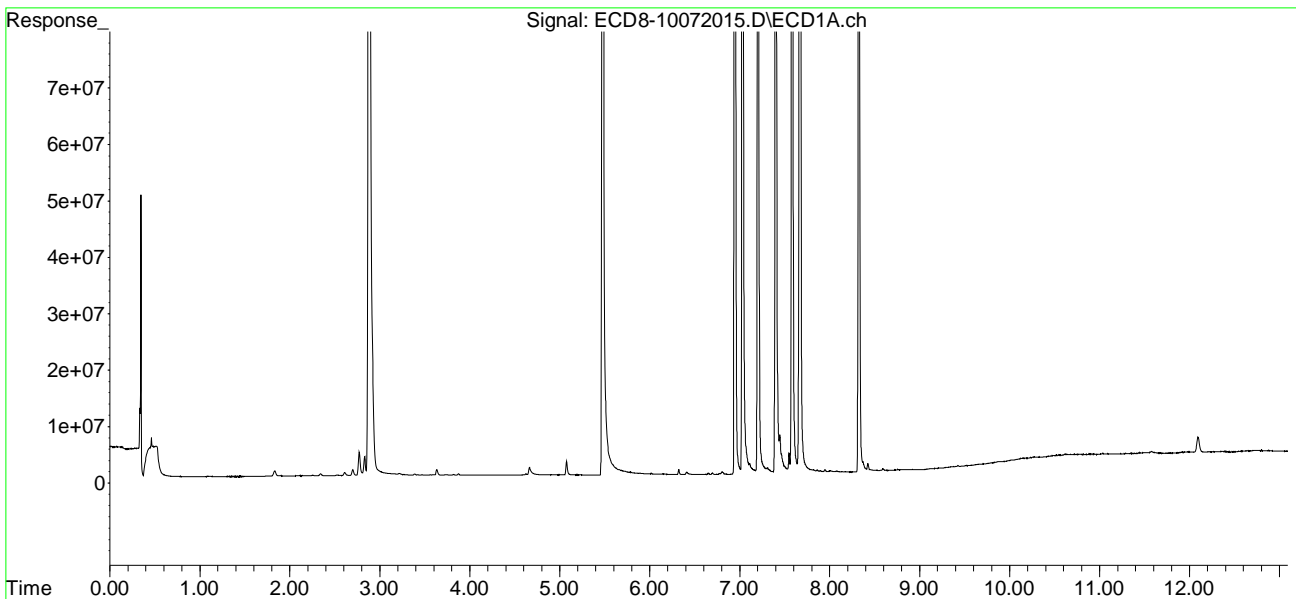
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.668	8.598	414.1E6	409.6E6	100.314	103.856
31)	Mirex	8.324	9.512	243.7E6	238.9E6	93.531	103.831
32)	Chlordane...	7.445	8.217	6791478	590138	15.012	1.336 #
33)	Chlordane...	7.549f	8.339	3634287	193.3E6	6.605	519.331 #
34)	Chlordane...	8.077	8.985	233059	599982	1.607	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.309	8.450f	1081145	2047904	62.850	67.728
37)	Toxaphene...	7.582f	8.779	245.7E6	787122	8082.146	20.030 #
38)	Toxaphene...	7.898	8.808	333501	770957	4.426	12.192 #
39)	Toxaphene...	8.171	8.874	95643	599736	BelowCal	BelowCal
40)	Toxaphene...	8.369	9.044	1749049	581519	31.316	10.242 #
41)	Toxaphene...	8.425f	9.423	1399241	680746	18.201	10.514 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 15:28
Operator : MJB
Sample : 0J07055-CCV4
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 16:14:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 15:45
 Operator : MJB
 Sample : 0J07055-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 16:15:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.100	5.845	316.3E6	263.5E6	84.731	75.065
22) S DCBP (S)	9.281	10.363	240.4E6	205.4E6	78.916	92.073
Target Compounds						
2) a-BHC	5.671f	0.000	65036	0	0.013	N.D. #
3) g-BHC	0.000	6.769	0	19820	N.D.	0.004 #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	7.124	0	11318	N.D.	BelowCal
6) d-BHC	6.144	7.083	29757	11105	0.007	0.035 #
7) Aldrin	0.000	7.425f	0	167652	N.D.	0.037 #
8) Heptachlo...	0.000	7.837	0	31259	N.D.	0.009 #
9) trans-Chl...	7.114	0.000	204292	0	0.049	N.D. #
10) cis-Chlor...	7.222	8.081	90277	208343	0.022	0.059 #
11) Endosulfa...	7.302	8.140	20976	139554	0.006	0.042 #
12) 4,4'-DDE	7.267	8.206	55597	114271	0.014	0.052 #
13) Dieldrin	7.481	8.357f	14121	243009	0.003	0.066 #
14) Endrin	7.642	8.568	17754	62172	0.006	BelowCal #
15) 4,4'-DDD	7.701	8.599	17318	59662	0.005	0.028 #
16) Endosulfa...	7.799	0.000	41236	0	0.013	N.D. #
17) 4,4'-DDT	7.913	8.811	10525	602459	0.003	0.219 #
18) Endrin Al...	8.080	0.000	118256	0	0.036	N.D. #
19) Endosulfa...	8.375	9.106f	58666	1261950	0.020	0.483 #
20) Methoxychlor	8.232	9.341f	89216	1629300	0.059	1.099 #
21) Endrin Ke...	8.591	9.519	577980	1281302	0.250	0.674 #
23) Hexachlor...	0.000	3.577f	0	34751	N.D.	BelowCal
24) Hexachlor...	5.481	0.000	751725	0	BelowCal	N.D.
25) Oxychlorane	6.952	7.771	17151	5321	104477.346	BelowCal #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	7.222	8.046	90277	240211	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.357	0	243009	N.D.	BelowCal
29) 2,4'-DDT	7.580	8.568	19176	62172	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 15:45
 Operator : MJB
 Sample : 0J07055-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 16:15:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

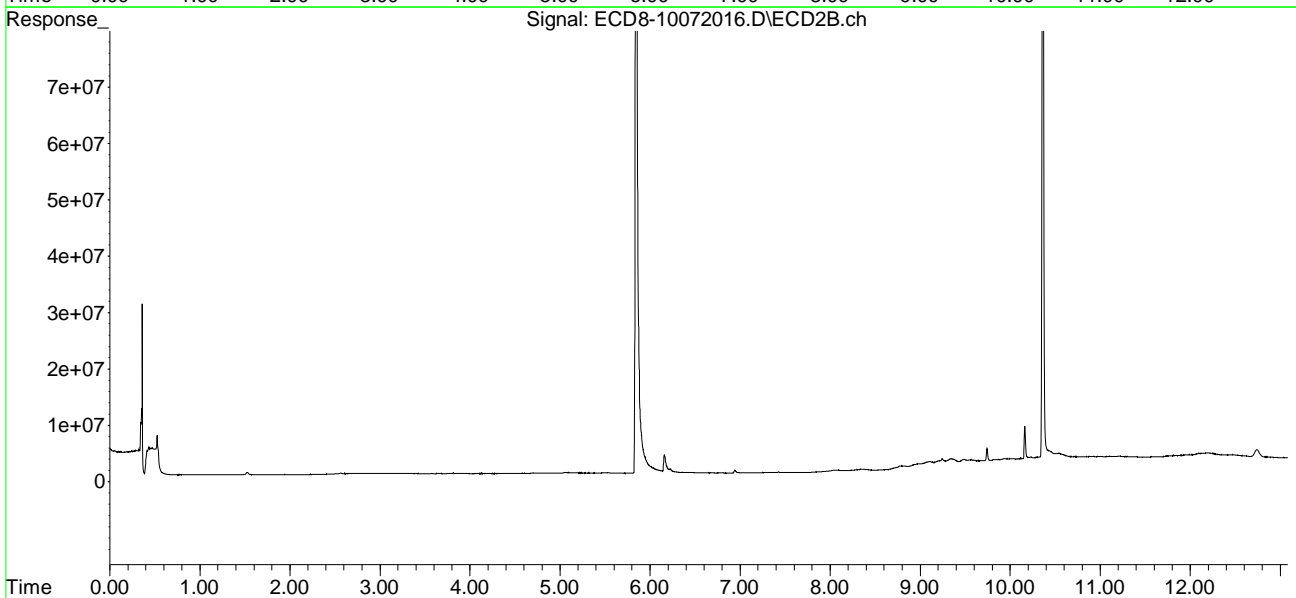
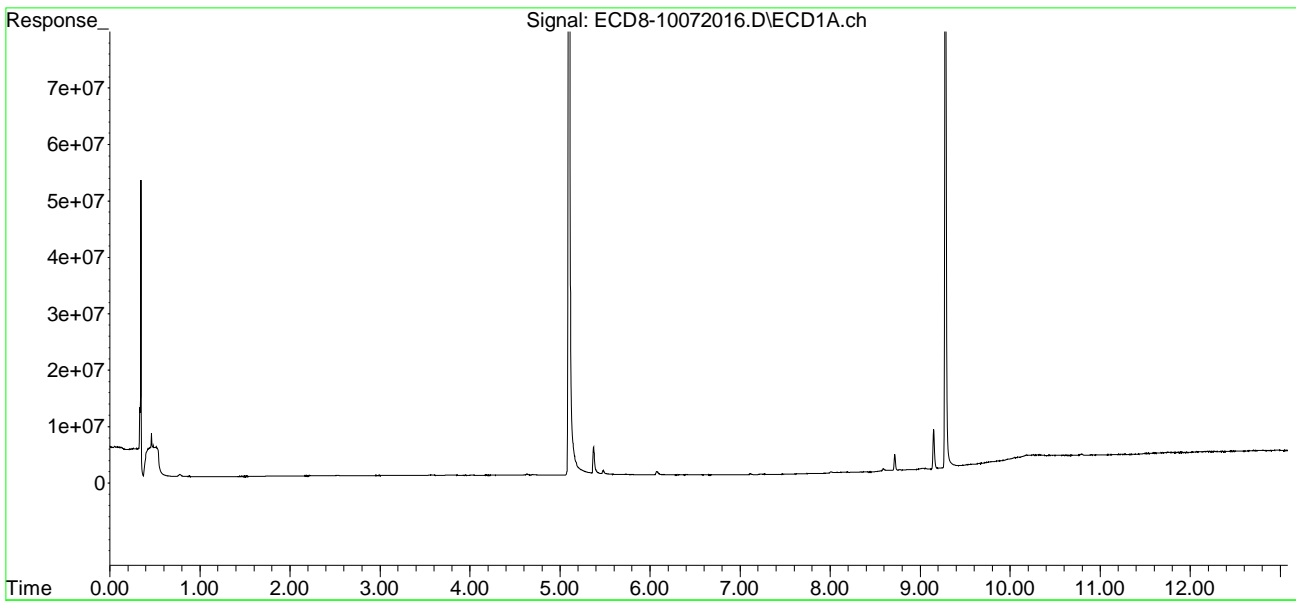
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.677	8.599	25622	59662	BelowCal	BelowCal
31)	Mirex	8.338	9.519	64766	1281302	14904.429	0.195 #
32)	Chlordane...	7.457f	8.206f	11019	114271	0.024	0.259 #
33)	Chlordane...	7.526	8.357f	10637	243009	0.019	0.653 #
34)	Chlordane...	8.080	9.005	118256	915026	0.815	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.302	8.384f	20976	213425	1.219	7.058 #
37)	Toxaphene...	7.606	8.786	18072	615489	125254.893	15.663 #
38)	Toxaphene...	7.913	8.802	10525	611217	0.140	9.666 #
39)	Toxaphene...	8.157	8.863	97777	508130	BelowCal	BelowCal
40)	Toxaphene...	8.375	0.000	58666	0	1.050	N.D. #
41)	Toxaphene...	8.453	9.430	9983	1124191	0.130	17.363 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 15:45
Operator : MJB
Sample : 0J07055-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 16:15:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:07
 Operator : MJB
 Sample : A0I0556-09RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:19:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.099	5.839	30874463	30444279	8.272	8.673
22) S DCBP (S)	9.279	10.363	28905758	26559298	9.327	12.571 #
Target Compounds						
2) a-BHC	5.620f	6.444	588276	170174	0.119	0.079 #
3) g-BHC	5.920	6.788	409915	280547	0.093	0.072
4) b-BHC	6.006	6.836	629482	655919	0.317	0.348
5) Heptachlor	6.324	7.164f	1218898	492845	0.288	0.096 #
6) d-BHC	6.161	7.106	250011	462157	0.061	0.154 #
7) Aldrin	6.567	7.398	399372	1245016	0.092	0.331 #
8) Heptachlo...	7.016	7.836	1243972	189728	0.307	0.052 #
9) trans-Chl...	7.114	7.970	246865	1254987	0.060	0.339 #
10) cis-Chlor...	7.222	8.076	2303862	579660	0.562	0.163 #
11) Endosulfa...	7.307	8.133	171351	276282	0.045	0.083 #
12) 4,4'-DDE	7.270	8.198	738239	1377839	0.181	0.420 #
13) Dieldrin	7.451f	8.311f	140790	30267039	0.033	8.230 #
14) Endrin	7.637	8.559	48231029	1059757	15.951	0.405 #
15) 4,4'-DDD	7.682	8.596	2226863	2822285	0.667m	0.993 #
16) Endosulfa...	7.803	8.691	1398235	2673506	0.432	0.911 #
17) 4,4'-DDT	7.891	8.834	4451684	4382031	1.441	1.684 MDL=MRL
18) Endrin Al...	8.074	8.949	2189646	4319452	0.665	1.517 #
19) Endosulfa...	8.373	9.140	38288051	7103562	13.219	2.926 #
20) Methoxychlor	8.247	9.327	10469537	7012377	6.908	4.729 #
21) Endrin Ke...	8.580	9.521	1157128	4424227	0.501	2.584 #
23) Hexachlor...	2.902	3.550	167130	636046	BelowCal	BelowCal
24) Hexachlor...	5.472	6.322	718641	469627	BelowCal	BelowCal
25) Oxychlorane	6.984f	7.752	1603878	5790343	0.285	1.776 #
26) 2,4'-DDE	7.016	7.970	1243972	1254987	0.307	0.365
27) trans-Non...	7.222	8.054	2303862	1279693	0.380	0.149 #
28) 2,4'-DDD	7.400	8.330	2365094	6506727	0.864	3.128m# P-01
29) 2,4'-DDT	7.565	8.559	2697471	1059757	0.981	0.326 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:07
 Operator : MJB
 Sample : A0I0556-09RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:19:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

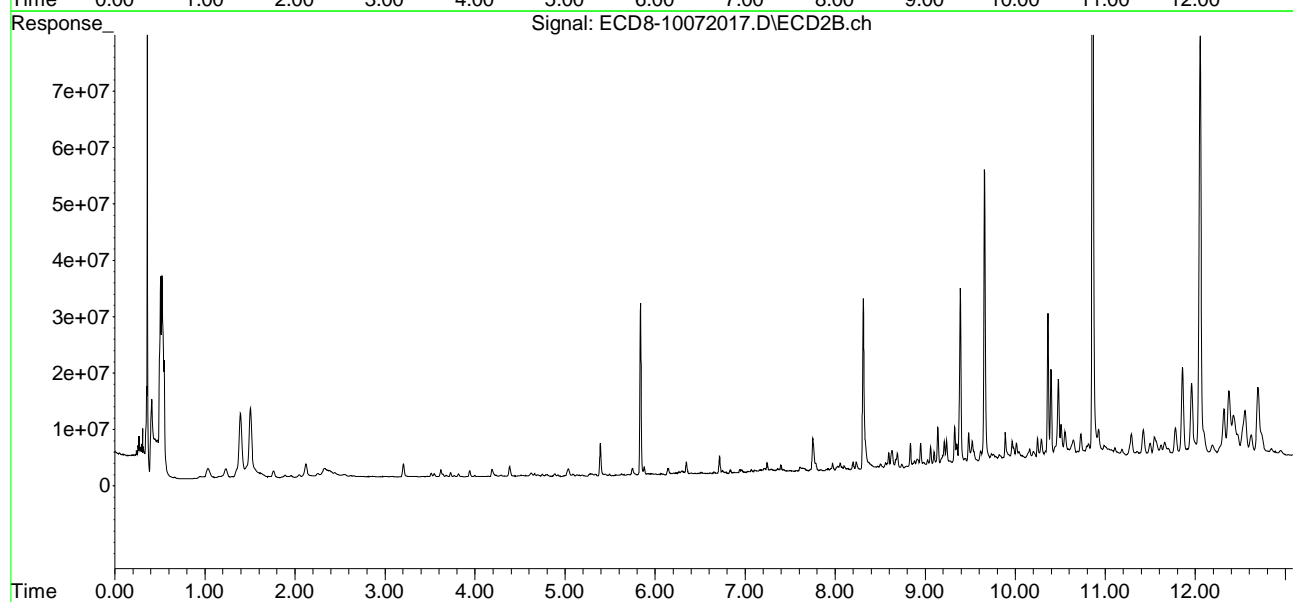
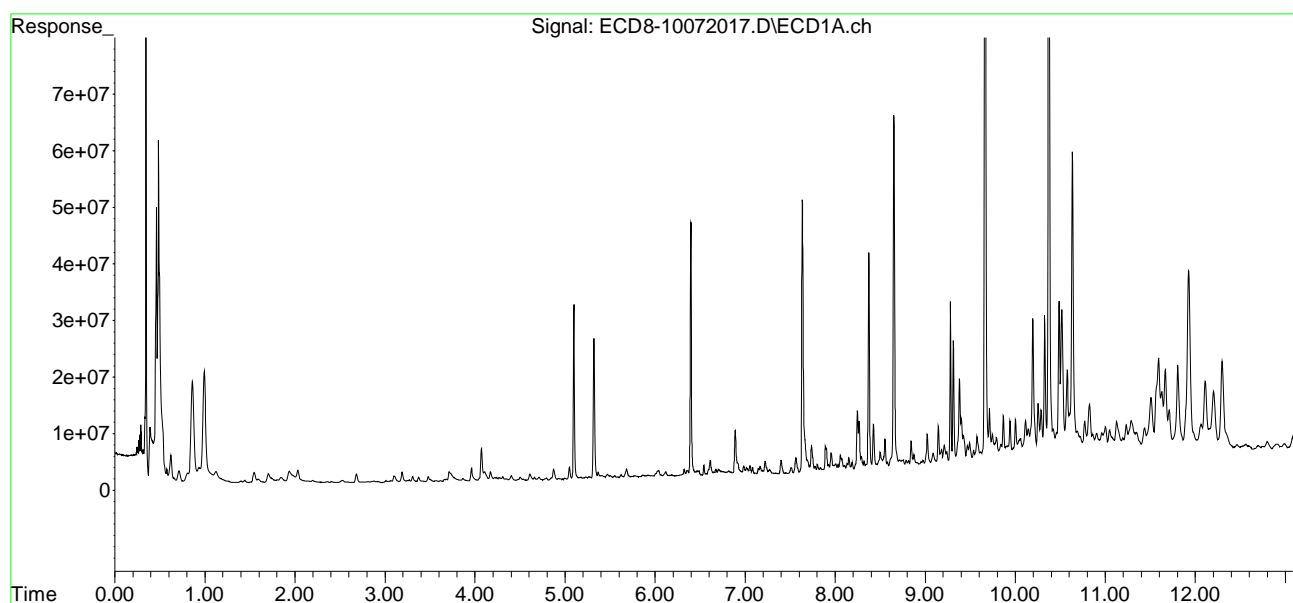
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.596	0	2822285	N.D.	0.624 #
31)	Mirex	8.322	9.521	1514781	4424227	0.293	1.687 #
32)	Chlordane...	7.451	8.233	140790	1355495	0.311	3.068 #
33)	Chlordane...	7.511	8.311f	1034127	30267039	1.880	81.313 #
34)	Chlordane...	8.074	8.979	2189646	882097	15.097	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.307	8.444f	171351	412511	9.961	13.643 #
37)	Toxaphene...	7.637f	8.795f	48231029	353610	1499.788	8.998 #
38)	Toxaphene...	7.926	8.795	1261451	353610	16.741	5.592 #
39)	Toxaphene...	8.152	8.881	2216423	1272426	28.283	6.843 #
40)	Toxaphene...	8.373	9.059	38288051	3641659	685.537	64.141 #
41)	Toxaphene...	8.455	9.438	893579	1378264	11.624	21.287 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:07
Operator : MJB
Sample : A0I0556-09RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

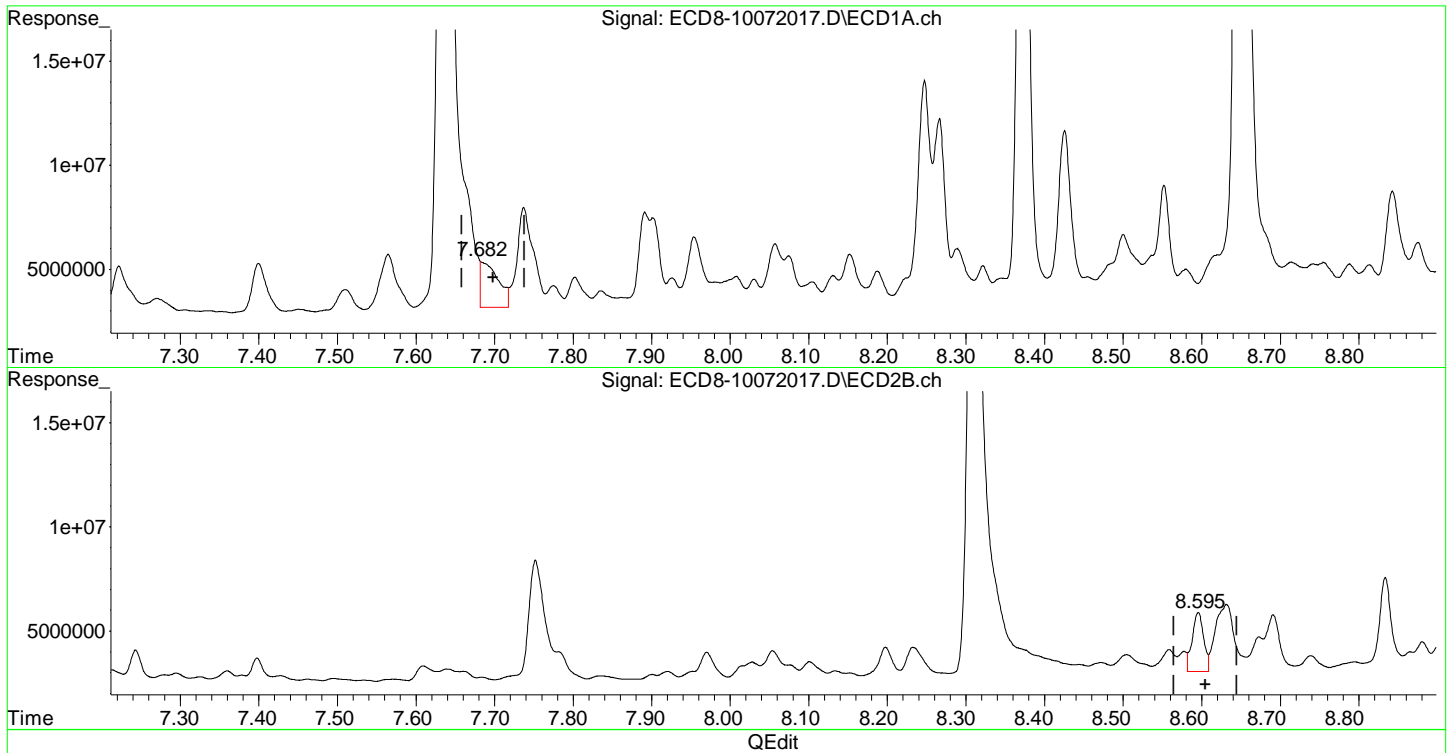
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:19:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:07
Operator : MJB
Sample : A0I0556-09RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:19:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.682min 0.667 ng/mL m
response 2226863

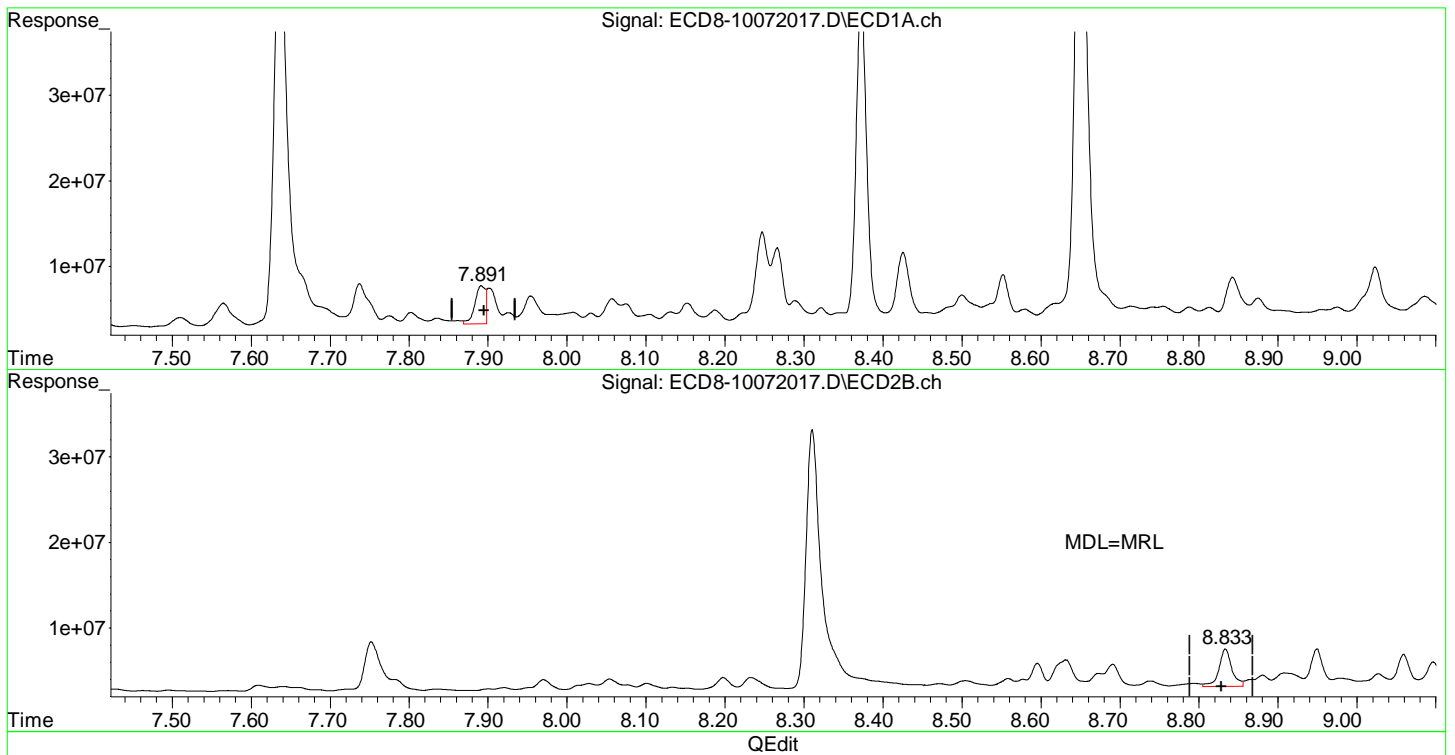
MJB 10/7/20

(15) 4,4'-DDD #2
8.596min 0.993 ng/mL
response 2822285

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:07
Operator : MJB
Sample : A0I0556-09RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:19:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.891min 1.441 ng/mL
response 4451684

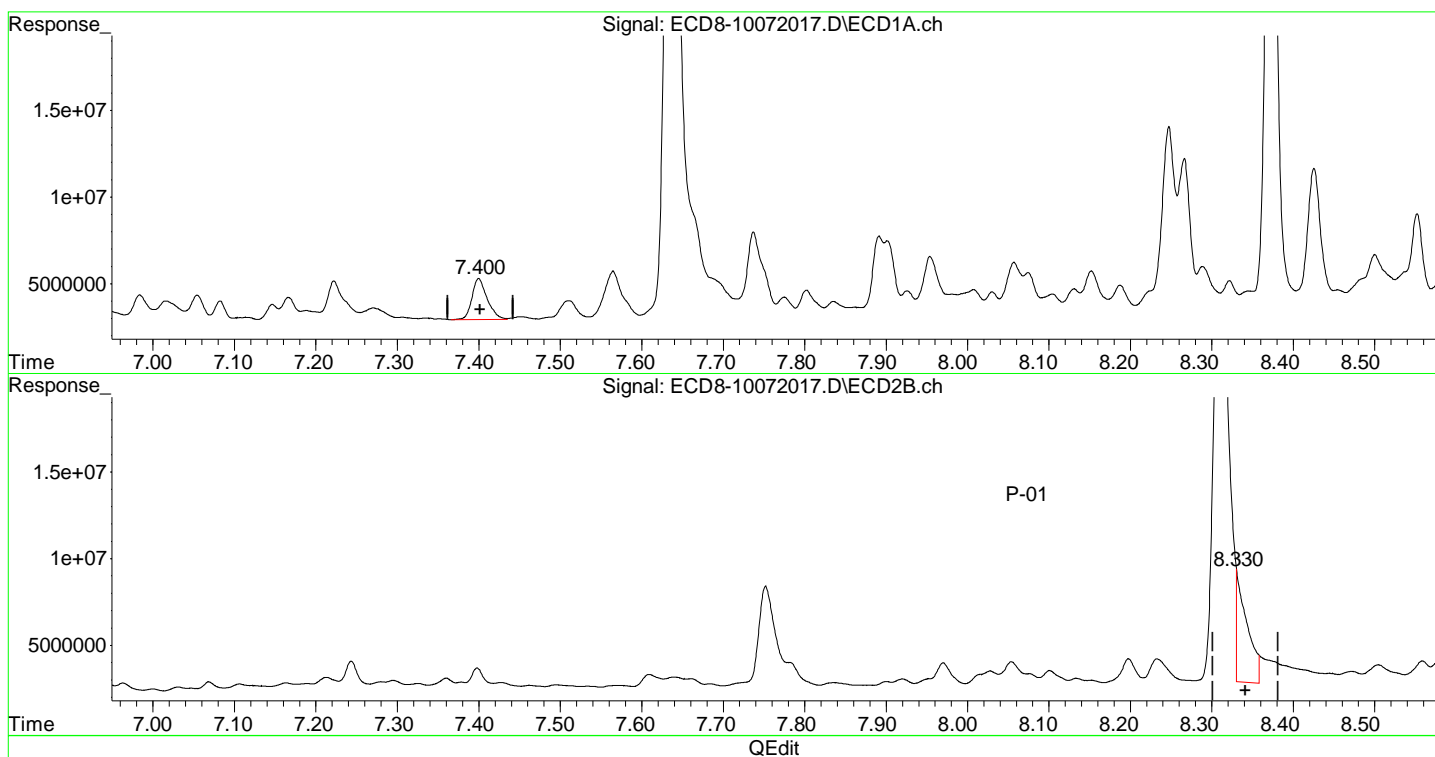
MJB 10/7/20

(17) 4,4'-DDT #2
8.834min 1.684 ng/mL
response 4382031

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:07
Operator : MJB
Sample : A0I0556-09RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:19:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.400min 0.864 ng/mL
response 2365094

MJB 10/7/20

(28) 2,4'-DDD #2
8.330min 3.128 ng/mL m
response 6506727

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:07
 Operator : MJB
 Sample : A0I0556-09RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:19:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.099	5.839	30874463	30444279	8.272	8.673
22) S DCBP (S)	9.279	10.363	28905758	26559298	9.327	12.571 #
Target Compounds						
2) a-BHC	5.620f	6.444	588276	170174	0.119	0.079 #
3) g-BHC	5.920	6.788	409915	280547	0.093	0.072
4) b-BHC	6.006	6.836	629482	655919	0.317	0.348
5) Heptachlor	6.324	7.164f	1218898	492845	0.288	0.096 #
6) d-BHC	6.161	7.106	250011	462157	0.061	0.154 #
7) Aldrin	6.567	7.398	399372	1245016	0.092	0.331 #
8) Heptachlo...	7.016	7.836	1243972	189728	0.307	0.052 #
9) trans-Chl...	7.114	7.970	246865	1254987	0.060	0.339 #
10) cis-Chlor...	7.222	8.076	2303862	579660	0.562	0.163 #
11) Endosulfa...	7.307	8.133	171351	276282	0.045	0.083 #
12) 4,4'-DDE	7.270	8.198	738239	1377839	0.181	0.420 #
13) Dieldrin	7.451f	8.311f	140790	30267039	0.033	8.230 #
14) Endrin	7.637	8.559	48231029	1059757	15.951	0.405 #
15) 4,4'-DDD	7.737f	8.596	4798652	2822285	1.437	0.993 #
16) Endosulfa...	7.803	8.691	1398235	2673506	0.432	0.911 #
17) 4,4'-DDT	7.891	8.834	4451684	4382031	1.441	1.684
18) Endrin Al...	8.074	8.949	2189646	4319452	0.665	1.517 #
19) Endosulfa...	8.373	9.140	38288051	7103562	13.219	2.926 #
20) Methoxychlor	8.247	9.327	10469537	7012377	6.908	4.729 #
21) Endrin Ke...	8.580	9.521	1157128	4424227	0.501	2.584 #
23) Hexachlor...	2.902	3.550	167130	636046	BelowCal	BelowCal
24) Hexachlor...	5.472	6.322	718641	469627	BelowCal	BelowCal
25) Oxychlorane	6.984f	7.752	1603878	5790343	0.285	1.776 #
26) 2,4'-DDE	7.016	7.970	1243972	1254987	0.307	0.365
27) trans-Non...	7.222	8.054	2303862	1279693	0.380	0.149 #
28) 2,4'-DDD	7.400	8.311f	2365094	30267039	0.864	15.081 #
29) 2,4'-DDT	7.565	8.559	2697471	1059757	0.981	0.326 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:07
 Operator : MJB
 Sample : A0I0556-09RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:19:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

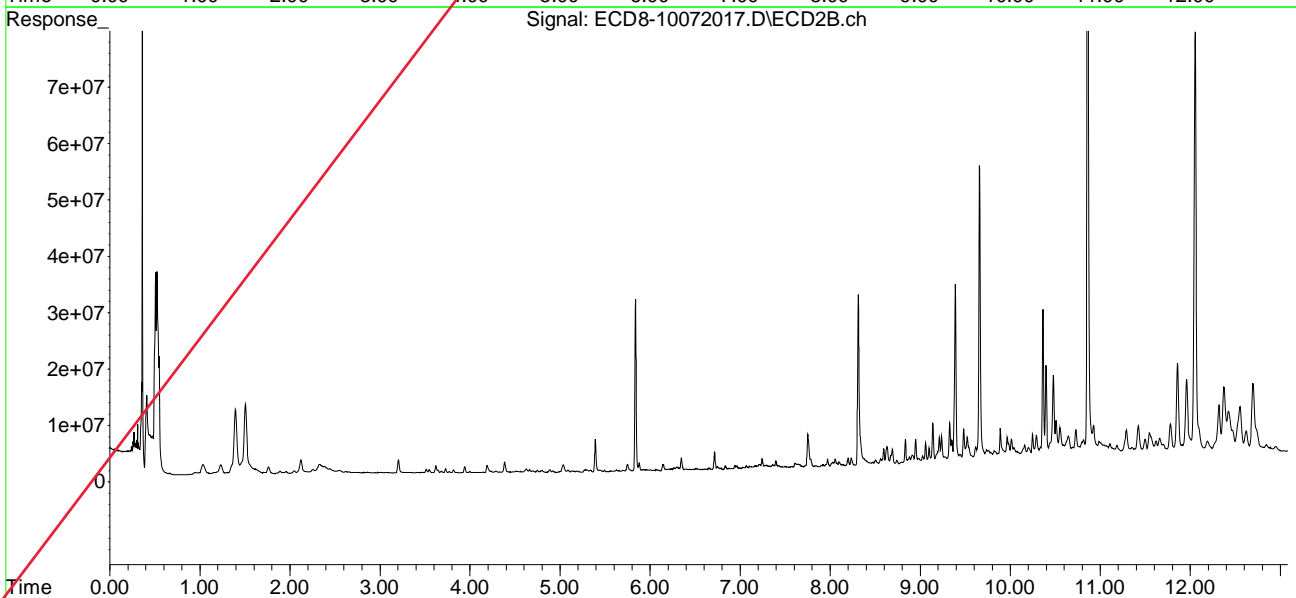
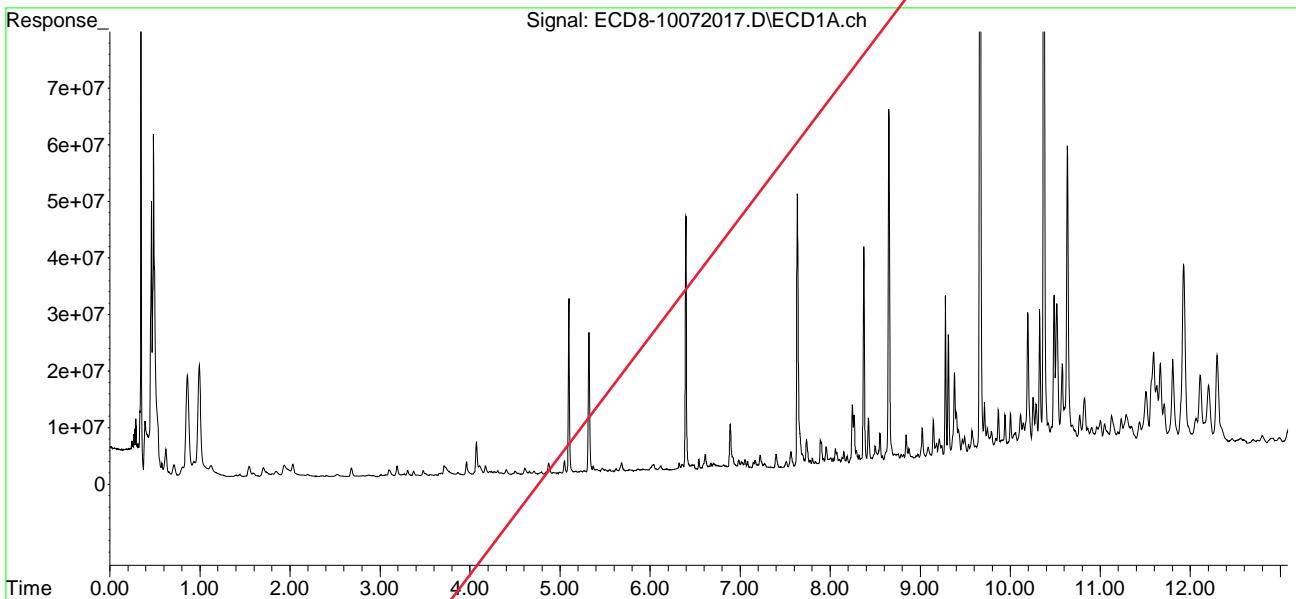
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.596	0	2822285	N.D.	0.624 #
31)	Mirex	8.322	9.521	1514781	4424227	0.293	1.687 #
32)	Chlordane...	7.451	8.233	140790	1355495	0.311	3.068 #
33)	Chlordane...	7.511	8.311f	1034127	30267039	1.880	81.313 #
34)	Chlordane...	8.074	8.979	2189646	882097	15.097	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.307	8.444f	171351	412511	9.961	13.643 #
37)	Toxaphene...	7.637f	8.795f	48231029	353610	1499.788	8.998 #
38)	Toxaphene...	7.926	8.795	1261451	353610	16.741	5.592 #
39)	Toxaphene...	8.152	8.881	2216423	1272426	28.283	6.843 #
40)	Toxaphene...	8.373	9.059	38288051	3641659	685.537	64.141 #
41)	Toxaphene...	8.455	9.438	893579	1378264	11.624	21.287 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:07
Operator : MJB
Sample : A0I0556-09RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:19:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:44
 Operator : MJB
 Sample : A0I0556-10RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:24:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.098	5.843	34655208	32776452	9.285	9.337
22) S DCBP (S)	9.275	10.359	35797383	29883696	11.603	14.154
Target Compounds						
2) a-BHC	5.617f	6.448	3131217	355838	0.636	0.121 #
3) g-BHC	5.918	6.748f	3021563	1276695	0.683	0.329 #
4) b-BHC	6.024f	6.837	4651062	1151862	2.343	0.611 #
5) Heptachlor	6.324	7.166f	2459555	1746045	0.581	0.424 #
6) d-BHC	6.147	7.070	1177326	4520232	0.285	1.222 #
7) Aldrin	6.590f	7.398	5857210	6522118	1.342	1.771 #
8) Heptachlo...	7.006	7.831	3899547	997900	0.963	0.273 #
9) trans-Chl...	7.113	7.971	1343296	3356990	0.325	0.906 #
10) cis-Chlor...	7.218	8.076	8001848	1702448	1.951	0.480 #
11) Endosulfa...	7.310	8.132	1019667	1495749	0.270	0.452 #
12) 4,4'-DDE	7.274	8.197	2932177	6001609	0.717m	1.762 # P-01
13) Dieldrin	7.509f	8.308f	4341784	65557298	1.027	17.825 #
14) Endrin	7.633	8.558	91893952	2210084	30.392	0.880 #
15) 4,4'-DDD	7.685	8.596	4389021	5214811	1.314	1.827 # MDL=MRL
16) Endosulfa...	7.800	8.690	8234517	9814116	2.546	3.345 #
17) 4,4'-DDT	7.888	8.833	23381884	21496425	7.567m	8.205 # P-01
18) Endrin Al...	8.072	8.948	9119693	22480634	2.770	7.897 #
19) Endosulfa...	8.370	9.138	46362657	12108884	16.007	5.004 #
20) Methoxychlor	8.245	9.324	15960369	12206736	10.531	8.232 #
21) Endrin Ke...	8.579	9.521	3450063	7149277	1.493	4.228 #
23) Hexachlor...	2.863f	3.557	481154	1615640	BelowCal	0.209 #
24) Hexachlor...	5.480	6.324	1406072	449471	0.167	BelowCal #
25) Oxychlorane	6.943	7.755	1760353	15923110	0.331	5.279 #
26) 2,4'-DDE	7.045	7.971	5093726	3356990	1.813m	1.318 # MDL=MRL
27) trans-Non...	7.218	8.053	8001848	3420128	1.899	0.824 #
28) 2,4'-DDD	7.399	8.329	8693747	9698135	3.697	4.755m# P-01
29) 2,4'-DDT	7.566	8.575	11059462	4093209	4.585m	1.827m# MDL=MRL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:44
 Operator : MJB
 Sample : A0I0556-10RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:24:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

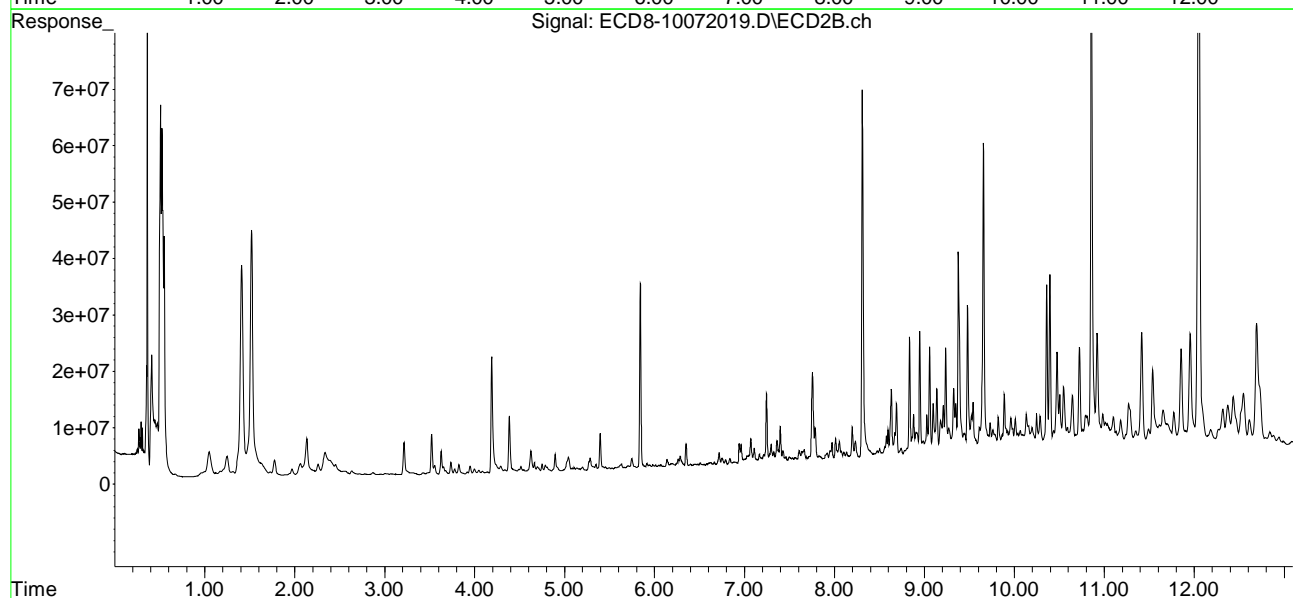
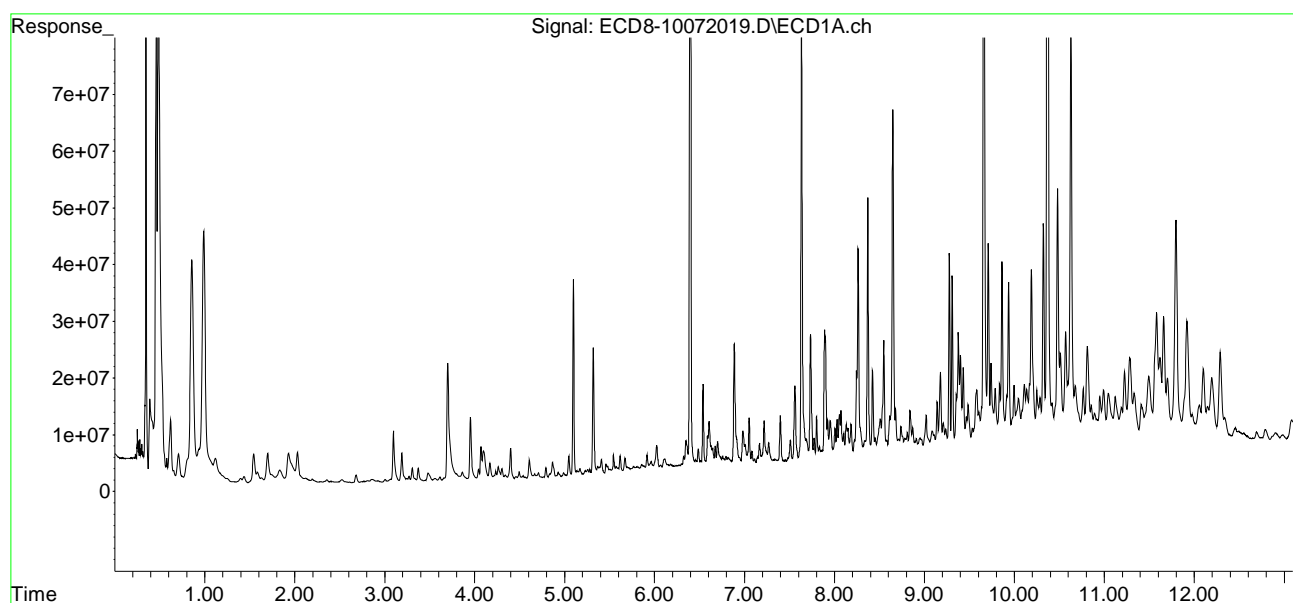
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.685	8.596	4389021	5214811	0.897	1.304 #
31)	Mirex	8.338	9.521	3536780	7149277	1.066	2.978 #
32)	Chlordane...	7.450	8.230	830598	3357123	1.836	7.599 #
33)	Chlordane...	7.509	8.308f	4341784	65557298	7.891	176.121 #
34)	Chlordane...	8.072	8.985	9119693	3045569	62.878	18.854 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.442	1019667	1014981	59.276	33.567 #
37)	Toxaphene...	7.633f	8.783	91893952	1460275	2892.947	37.160 #
38)	Toxaphene...	7.923	8.806	7577442	1816832	100.565	28.731 #
39)	Toxaphene...	8.148	8.879	5949053	7748089	84.106	77.401
40)	Toxaphene...	8.370	9.057	46362657	19633526	830.110	345.810 #
41)	Toxaphene...	8.453	9.445f	3891266	4052373	50.617	62.587
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

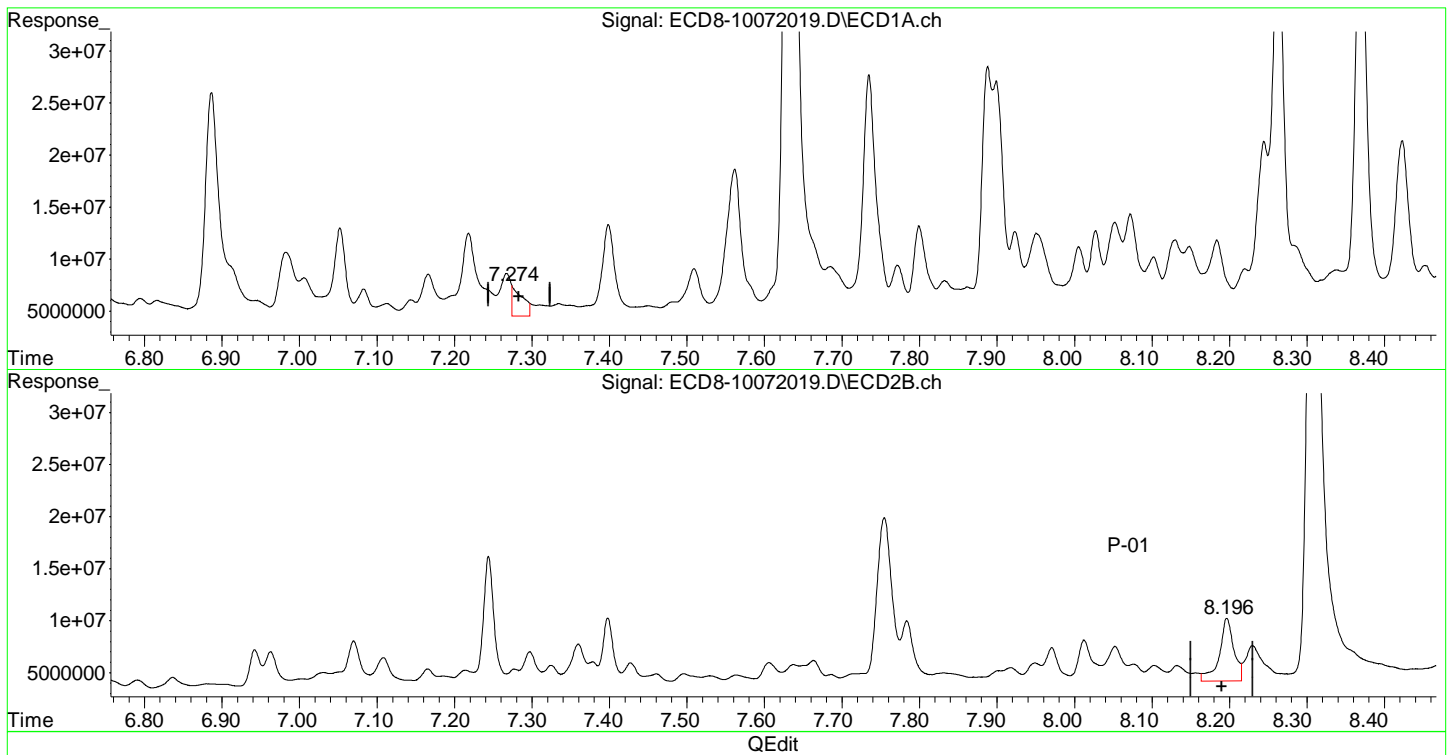
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.274min 0.717 ng/mL m
response 2932177

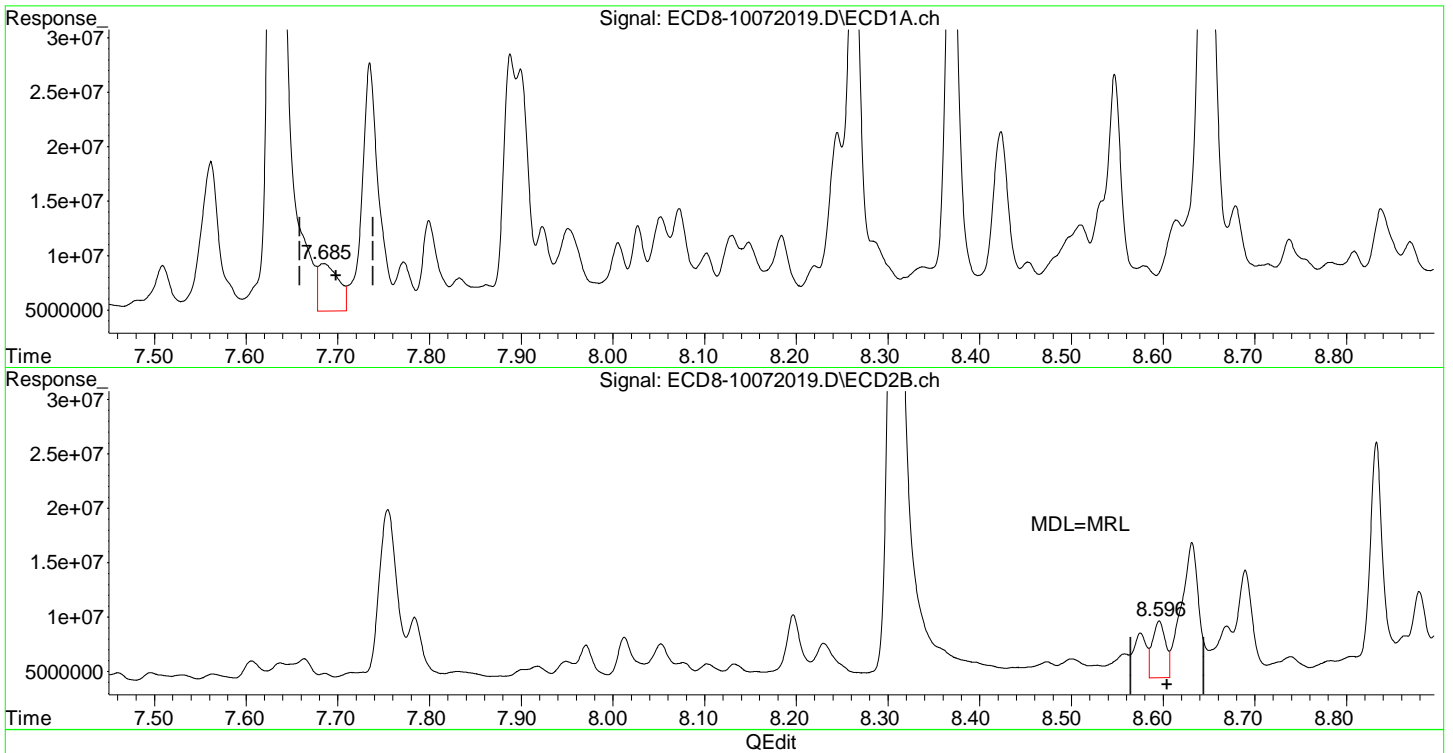
MJB 10/7/20

(12) 4,4'-DDE #2
8.197min 1.762 ng/mL
response 6001609

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.685min 1.314 ng/mL
response 4389021

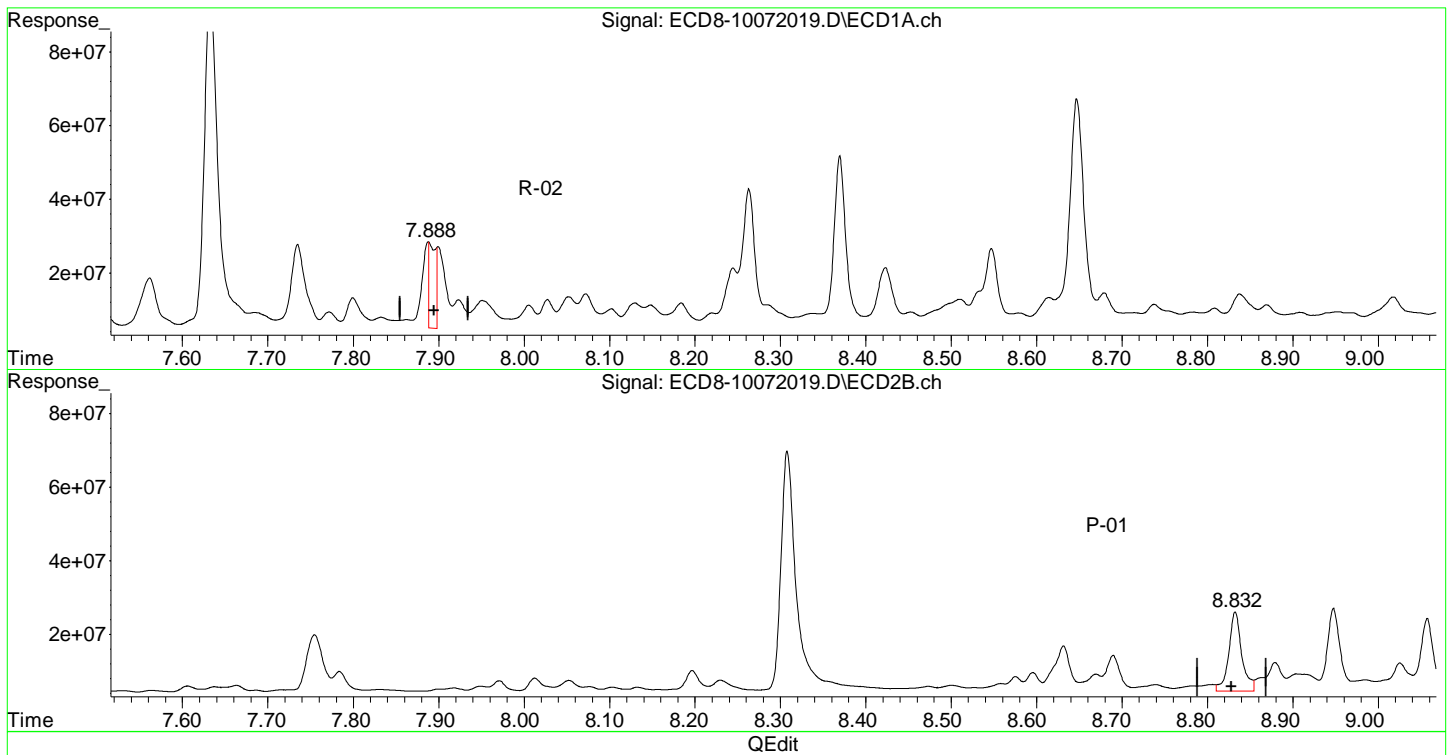
MJB 10/7/20

(15) 4,4'-DDD #2
8.596min 1.827 ng/mL
response 5214811

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.888min 7.567 ng/mL m
response 23381884

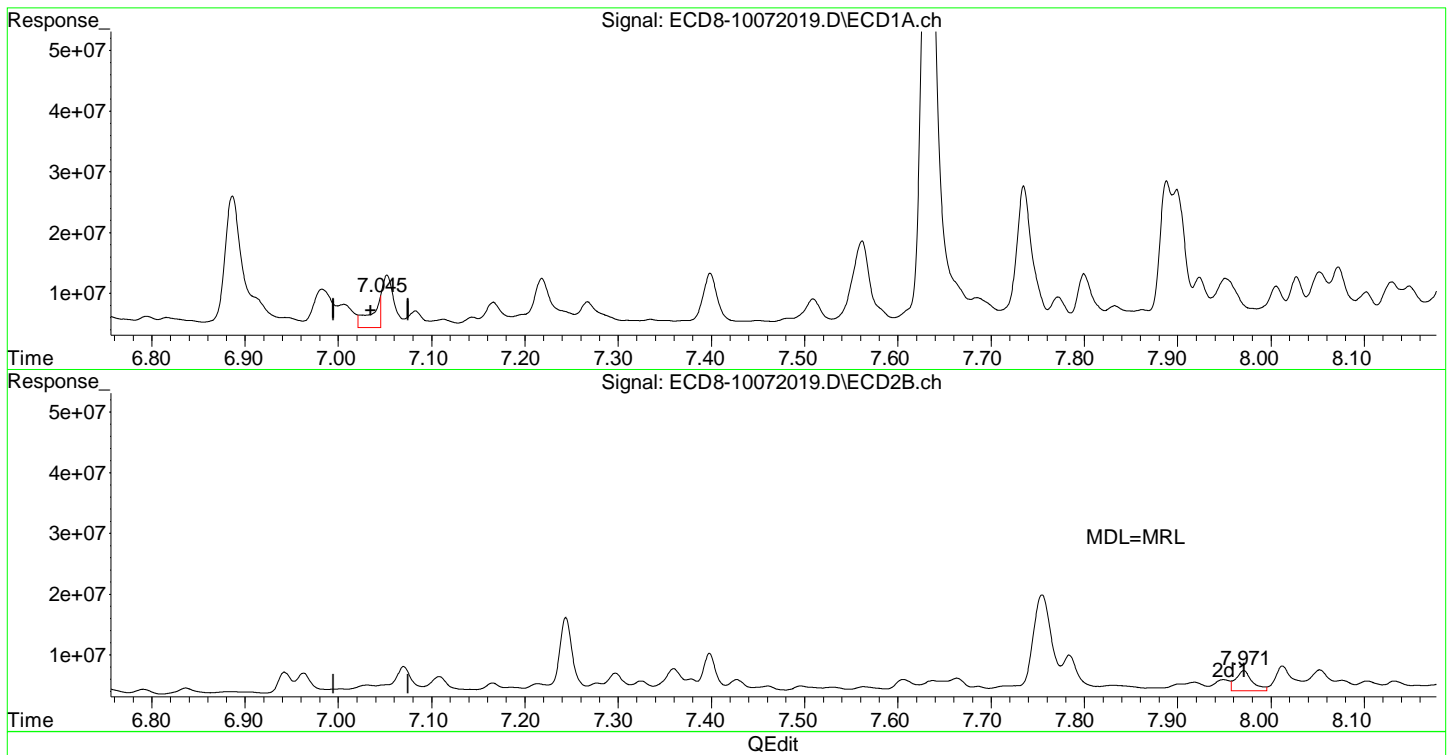
MJB 10/7/20

(17) 4,4'-DDT #2
8.833min 8.205 ng/mL
response 21496425

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.045min 1.813 ng/mL m
response 5093726

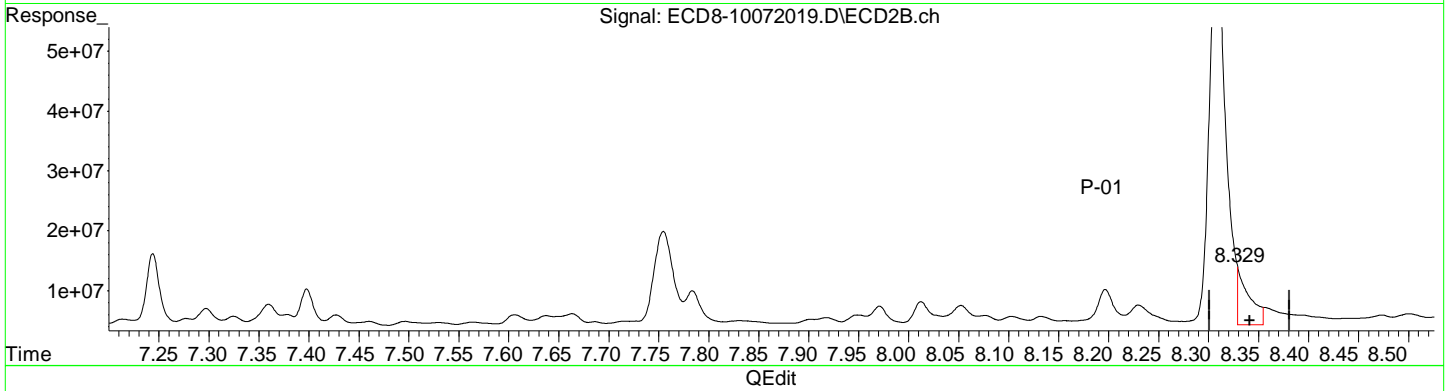
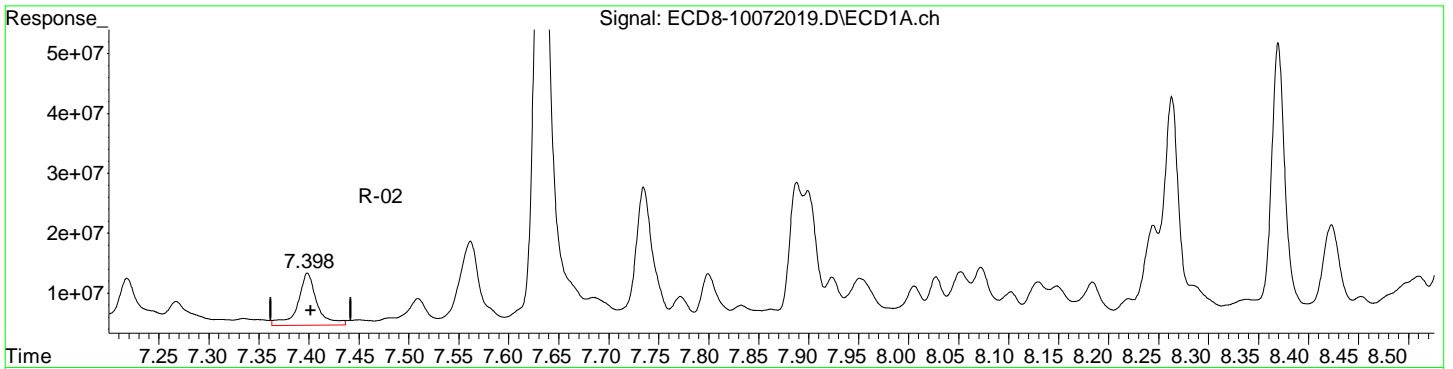
MJB 10/7/20

(26) 2,4'-DDE #2
7.971min 1.318 ng/mL
response 3356990

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.399min 3.697 ng/mL
response 8693747

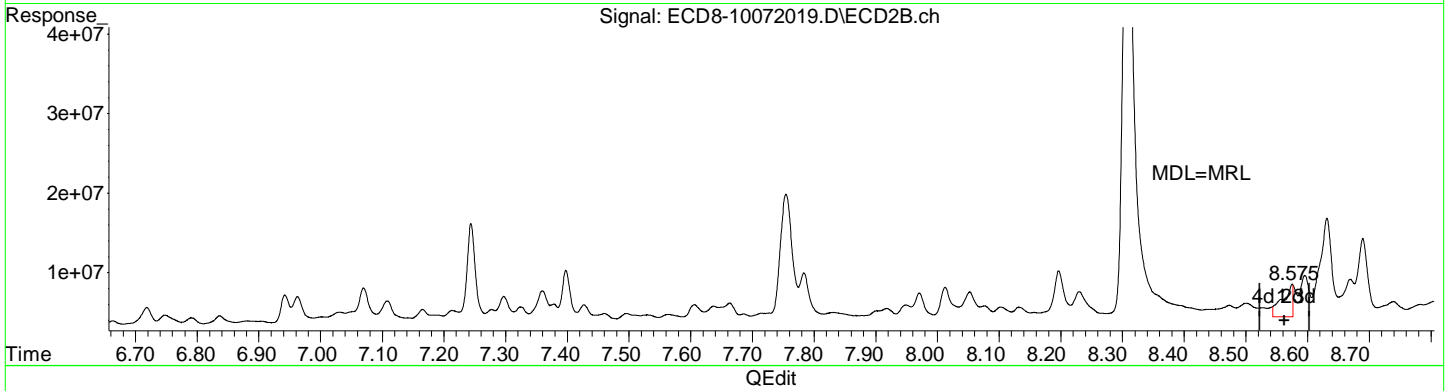
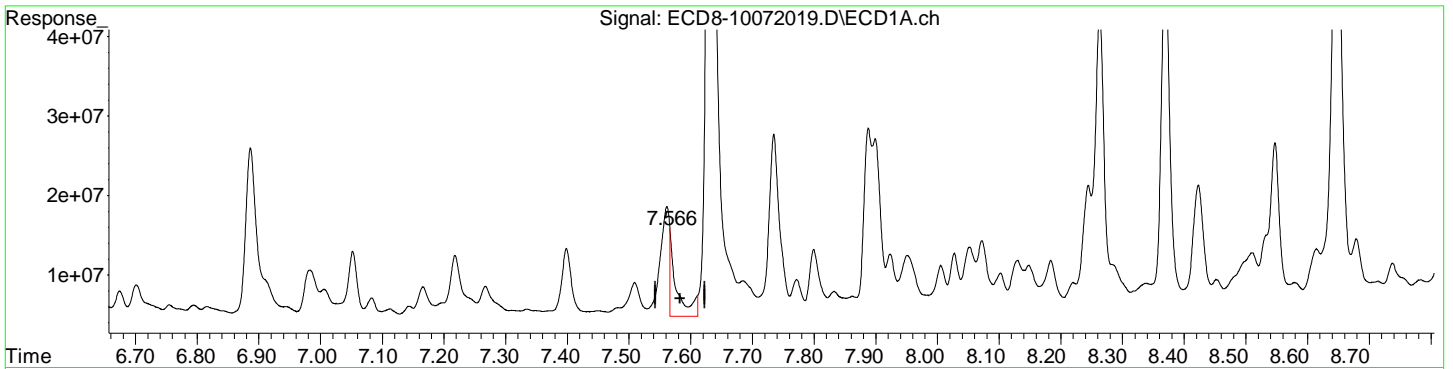
MJB 10/7/20

(28) 2,4'-DDD #2
8.329min 4.755 ng/mL m
response 9698135

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.566min 4.585 ng/mL m
response 11059462

MJB 10/7/20

(29) 2,4'-DDT #2
8.575min 1.827 ng/mL m
response 4093209

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:44
 Operator : MJB
 Sample : A0I0556-10RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:24:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.098	5.843	34655208	32776452	9.285	9.337
22) S DCBP (S)	9.275	10.359	35797383	29883696	11.603	14.154
Target Compounds						
2) a-BHC	5.617f	6.448	3131217	355838	0.636	0.121 #
3) g-BHC	5.918	6.748f	3021563	1276695	0.683	0.329 #
4) b-BHC	6.024f	6.837	4651062	1151862	2.343	0.611 #
5) Heptachlor	6.324	7.166f	2459555	1746045	0.581	0.424 #
6) d-BHC	6.147	7.070	1177326	4520232	0.285	1.222 #
7) Aldrin	6.590f	7.398	5857210	6522118	1.342	1.771 #
8) Heptachlo...	7.006	7.831	3899547	997900	0.963	0.273 #
9) trans-Chl...	7.113	7.971	1343296	3356990	0.325	0.906 #
10) cis-Chlor...	7.218	8.076	8001848	1702448	1.951	0.480 #
11) Endosulfa...	7.310	8.132	1019667	1495749	0.270	0.452 #
12) 4,4'-DDE	7.267	8.197	4080094	6001609	0.998	1.762 #
13) Dieldrin	7.509f	8.308f	4341784	65557298	1.027	17.825 #
14) Endrin	7.633	8.558	91893952	2210084	30.392	0.880 #
15) 4,4'-DDD	7.685	8.596	4389021	5214811	1.314	1.827 #
16) Endosulfa...	7.800	8.690	8234517	9814116	2.546	3.345 #
17) 4,4'-DDT	7.899	8.833	22039551	21496425	7.133	8.205 #
18) Endrin Al...	8.072	8.948	9119693	22480634	2.770	7.897 #
19) Endosulfa...	8.370	9.138	46362657	12108884	16.007	5.004 #
20) Methoxychlor	8.245	9.324	15960369	12206736	10.531	8.232 #
21) Endrin Ke...	8.579	9.521	3450063	7149277	1.493	4.228 #
23) Hexachlor...	2.863f	3.557	481154	1615640	BelowCal	0.209
24) Hexachlor...	5.480	6.324	1406072	449471	0.167	BelowCal #
25) Oxychlorane	6.943	7.755	1760353	15923110	0.331	5.279 #
26) 2,4'-DDE	7.052	7.971	8627529	3356990	3.195	1.318 #
27) trans-Non...	7.218	8.053	8001848	3420128	1.899	0.824 #
28) 2,4'-DDD	7.399	8.308f	8693747	65557298	3.697	32.179 #
29) 2,4'-DDT	7.562f	8.558	13892825	2210084	5.805	0.896 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 16:44
 Operator : MJB
 Sample : A0I0556-10RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:24:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

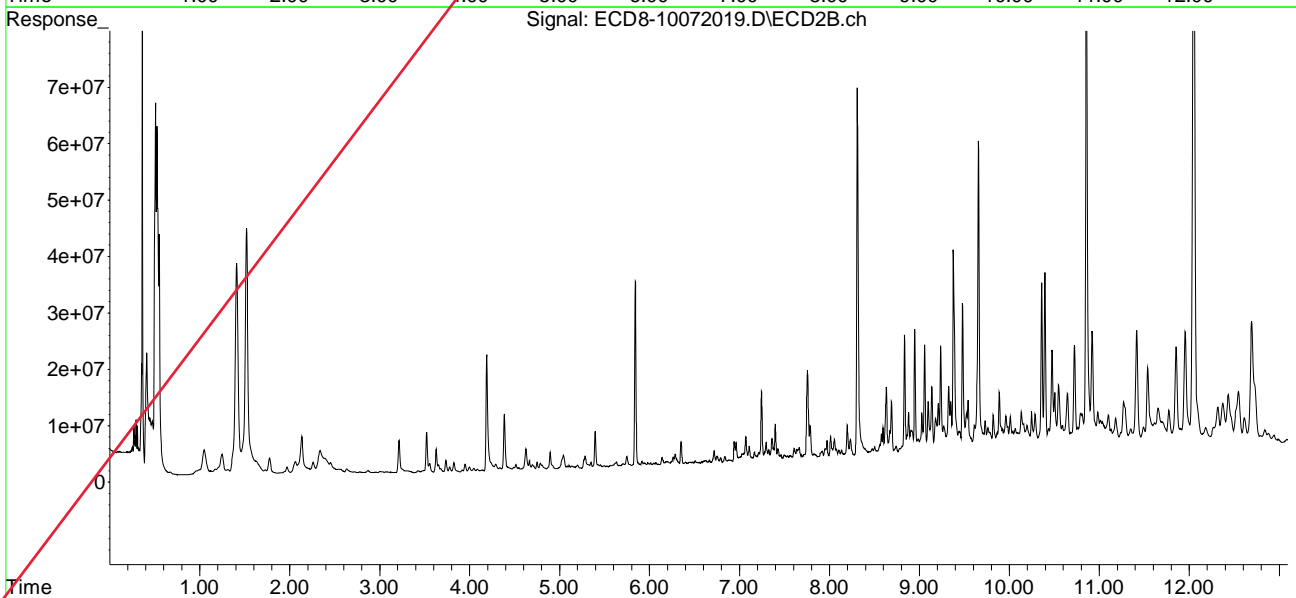
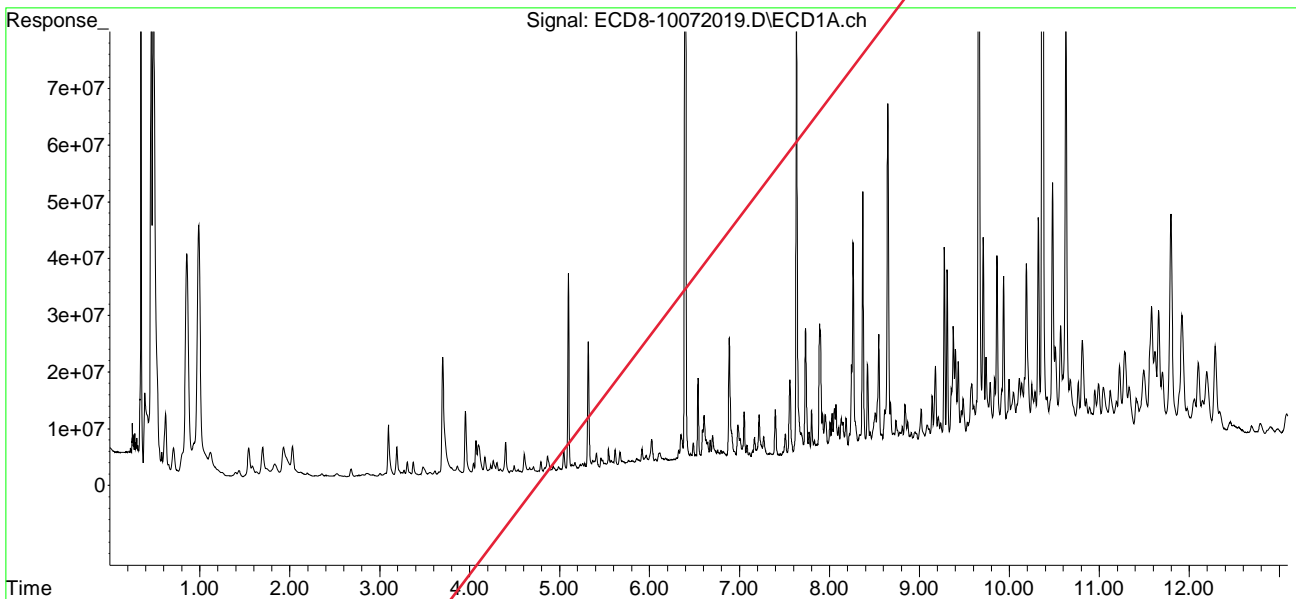
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.685	8.596	4389021	5214811	0.897	1.304 #
31)	Mirex	8.338	9.521	3536780	7149277	1.066	2.978 #
32)	Chlordane...	7.450	8.230	830598	3357123	1.836	7.599 #
33)	Chlordane...	7.509	8.308f	4341784	65557298	7.891	176.121 #
34)	Chlordane...	8.072	8.985	9119693	3045569	62.878	18.854 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.442	1019667	1014981	59.276	33.567 #
37)	Toxaphene...	7.633f	8.783	91893952	1460275	2892.947	37.160 #
38)	Toxaphene...	7.923	8.806	7577442	1816832	100.565	28.731 #
39)	Toxaphene...	8.148	8.879	5949053	7748089	84.106	77.401
40)	Toxaphene...	8.370	9.057	46362657	19633526	830.110	345.810 #
41)	Toxaphene...	8.453	9.445f	3891266	4052373	50.617	62.587
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 16:44
Operator : MJB
Sample : A0I0556-10RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:24:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 17:21
 Operator : MJB
 Sample : A0I0556-27RE2@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

R-04

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:40:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.098	5.842	28866008	26272084	7.734	7.484
22) S DCBP (S)	9.274	10.359	27681909	24430245	8.923	11.554 #
Target Compounds						
2) a-BHC	5.638	6.434	344213	262363	0.070	0.100 #
3) g-BHC	5.931	6.746f	399916	665273	0.090	0.171 #
4) b-BHC	6.015	6.837	918266	673953	0.463	0.357
5) Heptachlor	6.321	7.138	4255386	475764	1.005	0.091 #
6) d-BHC	6.117f	7.074	955424	477651	0.232	0.158 #
7) Aldrin	6.564	7.414	1259959	573551	0.289	0.148 #
8) Heptachlo...	7.026	7.845	662383	272993	0.164	0.075 #
9) trans-Chl...	7.099f	7.969	528820	864518	0.128	0.233 #
10) cis-Chlor...	7.223	8.076	717123	288104	0.175	0.081 #
11) Endosulfa...	7.325	8.154f	310731	709282	0.082	0.214 #
12) 4,4'-DDE	7.270	8.200	448148	332817	0.110	0.115
13) Dieldrin	7.480	8.315	405003	3562033	0.096	0.969 #
14) Endrin	7.636	8.560	5396151	1079516	1.785	0.413 #
15) 4,4'-DDD	7.663f	8.595	3054772	2428948	0.915	0.856
16) Endosulfa...	7.798	8.688	105083	947084	0.032	0.323 #
17) 4,4'-DDT	7.899	8.834	1121026	2465745	0.363	0.942 #
18) Endrin Al...	8.095	8.948	417630	2760924	0.127	0.970 #
19) Endosulfa...	8.368	9.138	32802741	5987983	11.326	2.461 #
20) Methoxychlor	8.241	9.325	7610303	6011216	5.022	4.054
21) Endrin Ke...	8.575	9.518	1025877	4369818	0.444	2.552 #
23) Hexachlor...	2.880	3.558	216626	375701	BelowCal	BelowCal
24) Hexachlor...	5.474	6.304	615097	323233	BelowCal	BelowCal
25) Oxychlorane	6.982f	7.752	2240916	3522962	0.471	0.989 #
26) 2,4'-DDE	7.026	7.969	662383	864518	0.079	0.187 #
27) trans-Non...	7.223	8.030	717123	727972	BelowCal	BelowCal
28) 2,4'-DDD	7.395	8.328	998421	1948665	0.252	0.791m#
29) 2,4'-DDT	7.574	8.560	805238	1079516	0.164m	0.336 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 17:21
 Operator : MJB
 Sample : A0I0556-27RE2@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:40:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

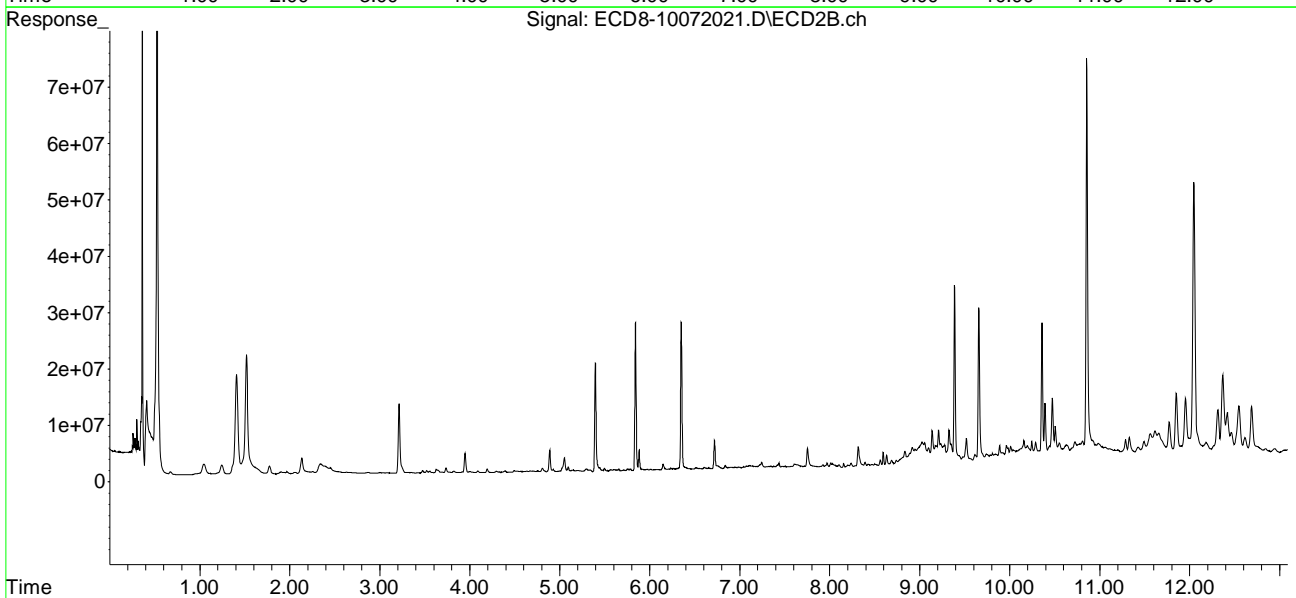
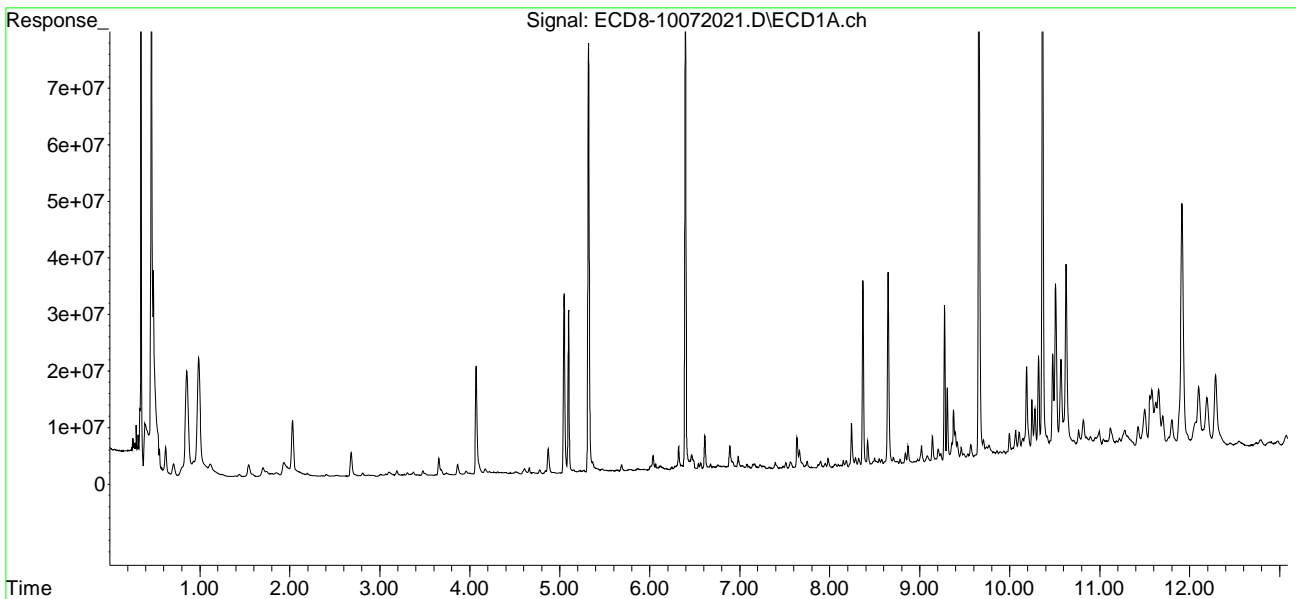
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.663	8.595	3054772	2428948	0.569	0.512
31)	Mirex	8.319	9.518	1372837	4369818	0.238	1.661 #
32)	Chlordane...	7.449	8.235	129848	721088	0.287	1.632 #
33)	Chlordane...	7.511	8.315	977601	3562033	1.777	9.569 #
34)	Chlordane...	8.066	9.028f	480634	3896250	3.314	26.847 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.325	8.428	310731	467781	18.064	15.470
37)	Toxaphene...	7.597	8.738f	175927	927482	2.303	23.602 #
38)	Toxaphene...	7.922	8.834f	238519	2465745	3.166	38.992 #
39)	Toxaphene...	8.150	8.834f	1151668	2465745	12.311	19.931 #
40)	Toxaphene...	8.368	9.055	32802741	3859741	587.324	67.982 #
41)	Toxaphene...	8.421f	9.388f	4399525	31591439	57.228	487.916 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 17:21
Operator : MJB
Sample : A0I0556-27RE2@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

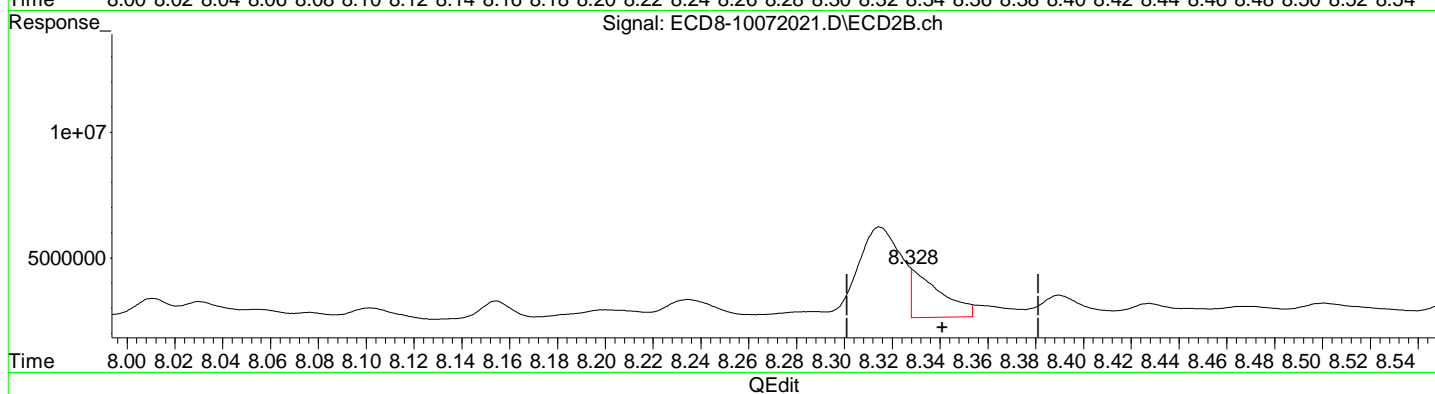
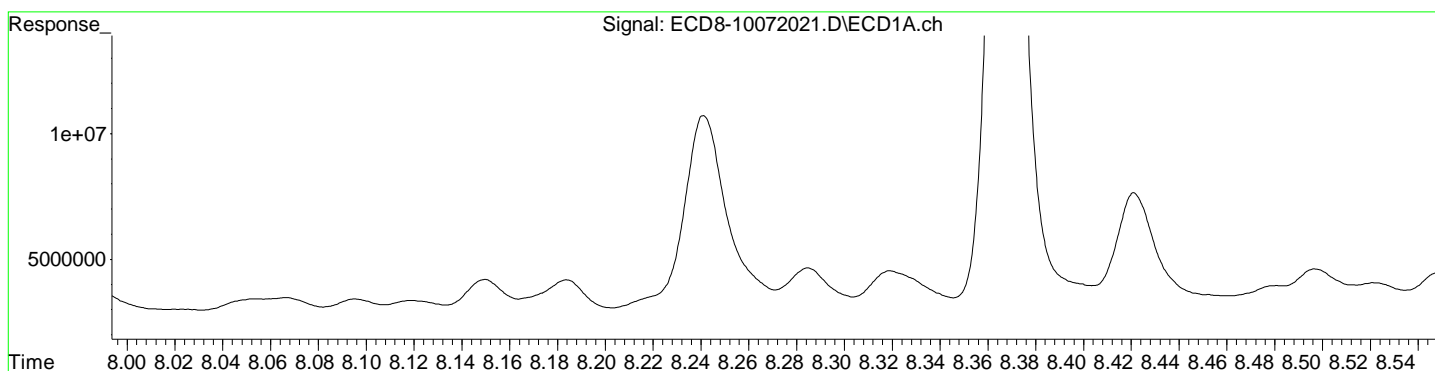
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:40:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 17:21
Operator : MJB
Sample : A0I0556-27RE2@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:40:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.395min 0.252 ng/mL
response 998421

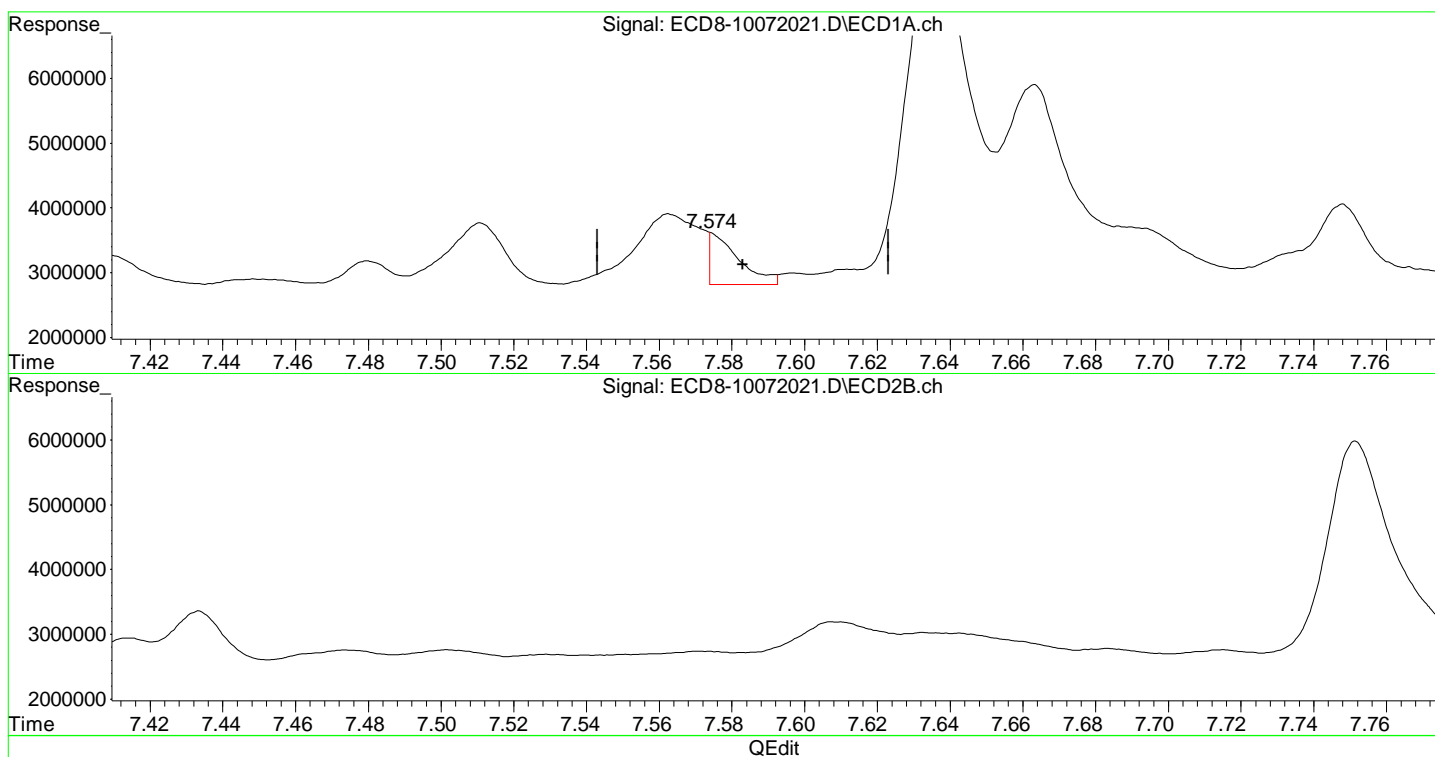
MJB 10/7/20

(28) 2,4'-DDD #2
8.328min 0.791 ng/mL m
response 1948665

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 17:21
Operator : MJB
Sample : A0I0556-27RE2@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:40:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.574min 0.164 ng/mL m
response 805238

MJB 10/7/20

(29) 2,4'-DDT #2
8.560min 0.336 ng/mL
response 1079516

MI

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 17:21
 Operator : MJB
 Sample : A0I0556-27RE2@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:40:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.098	5.842	28866008	26272084	7.734	7.484
22) S DCBP (S)	9.274	10.359	27681909	24430245	8.923	11.554 #
Target Compounds						
2) a-BHC	5.638	6.434	344213	262363	0.070	0.100 #
3) g-BHC	5.931	6.746f	399916	665273	0.090	0.171 #
4) b-BHC	6.015	6.837	918266	673953	0.463	0.357
5) Heptachlor	6.321	7.138	4255386	475764	1.005	0.091 #
6) d-BHC	6.117f	7.074	955424	477651	0.232	0.158 #
7) Aldrin	6.564	7.414	1259959	573551	0.289	0.148 #
8) Heptachlo...	7.026	7.845	662383	272993	0.164	0.075 #
9) trans-Chl...	7.099f	7.969	528820	864518	0.128	0.233 #
10) cis-Chlor...	7.223	8.076	717123	288104	0.175	0.081 #
11) Endosulfa...	7.325	8.154f	310731	709282	0.082	0.214 #
12) 4,4'-DDE	7.270	8.200	448148	332817	0.110	0.115
13) Dieldrin	7.480	8.315	405003	3562033	0.096	0.969 #
14) Endrin	7.636	8.560	5396151	1079516	1.785	0.413 #
15) 4,4'-DDD	7.663f	8.595	3054772	2428948	0.915	0.856
16) Endosulfa...	7.798	8.688	105083	947084	0.032	0.323 #
17) 4,4'-DDT	7.899	8.834	1121026	2465745	0.363	0.942 #
18) Endrin Al...	8.095	8.948	417630	2760924	0.127	0.970 #
19) Endosulfa...	8.368	9.138	32802741	5987983	11.326	2.461 #
20) Methoxychlor	8.241	9.325	7610303	6011216	5.022	4.054
21) Endrin Ke...	8.575	9.518	1025877	4369818	0.444	2.552 #
23) Hexachlor...	2.880	3.558	216626	375701	BelowCal	BelowCal
24) Hexachlor...	5.474	6.304	615097	323233	BelowCal	BelowCal
25) Oxychlorane	6.982f	7.752	2240916	3522962	0.471	0.989 #
26) 2,4'-DDE	7.026	7.969	662383	864518	0.079	0.187 #
27) trans-Non...	7.223	8.030	717123	727972	BelowCal	BelowCal
28) 2,4'-DDD	7.395	8.315f	998421	3562033	0.252	1.620 #
29) 2,4'-DDT	7.597	8.560	175927	1079516	BelowCal	0.336

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 17:21
 Operator : MJB
 Sample : A0I0556-27RE2@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 17:40:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

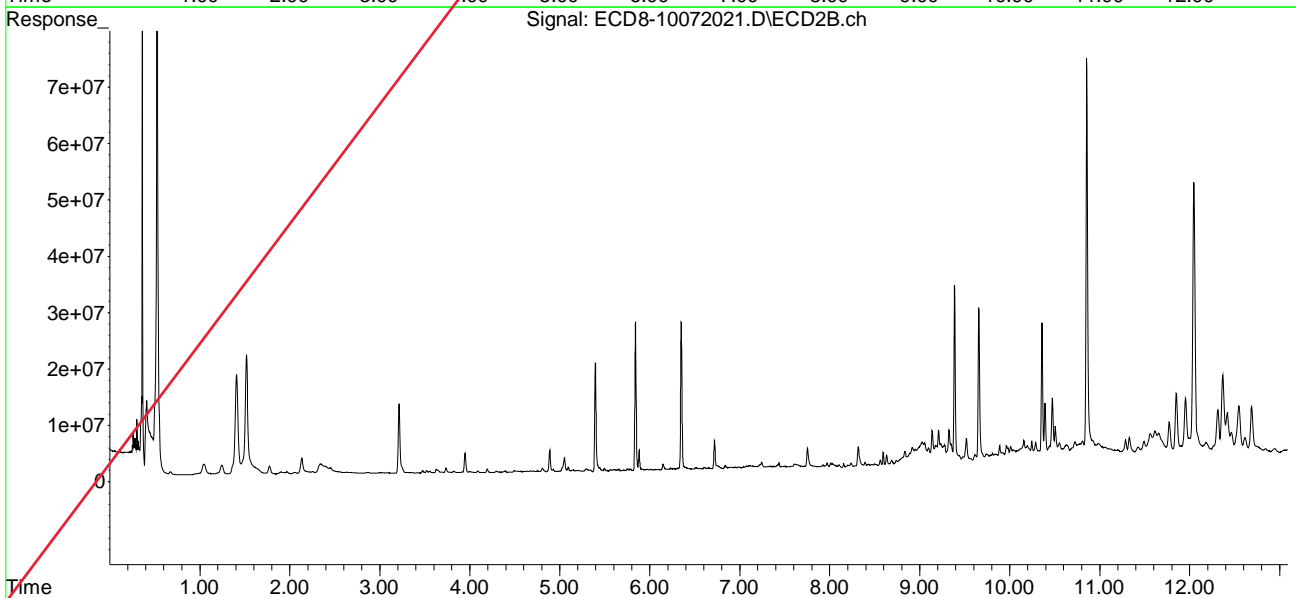
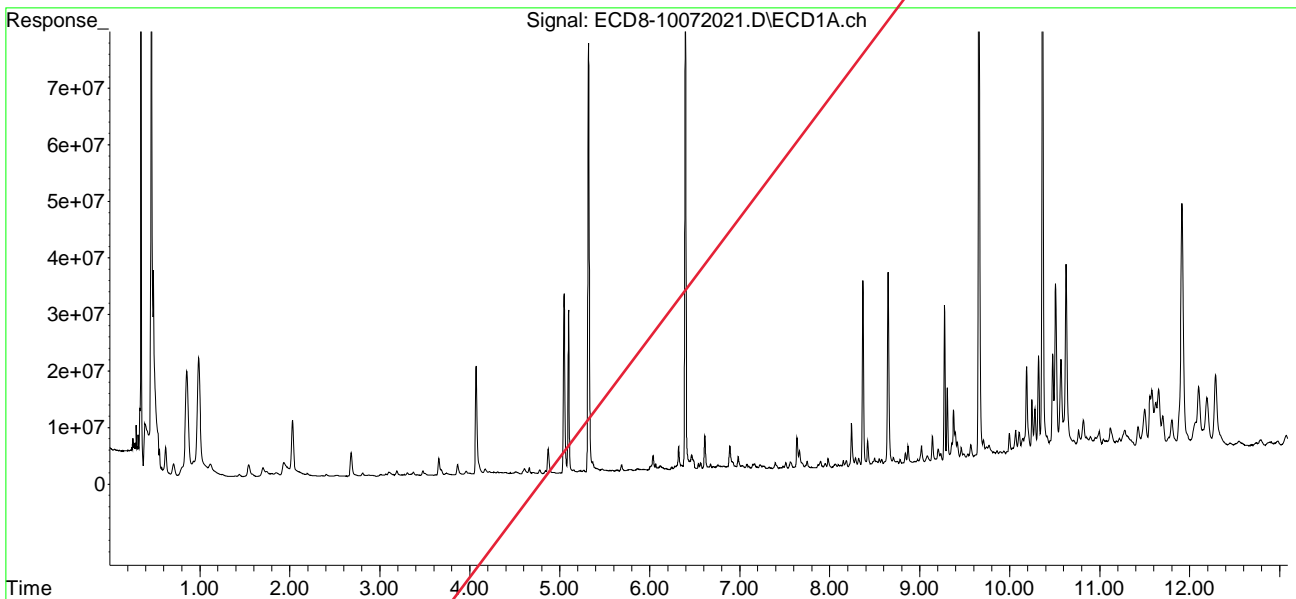
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.663	8.595	3054772	2428948	0.569	0.512
31)	Mirex	8.319	9.518	1372837	4369818	0.238	1.661 #
32)	Chlordane...	7.449	8.235	129848	721088	0.287	1.632 #
33)	Chlordane...	7.511	8.315	977601	3562033	1.777	9.569 #
34)	Chlordane...	8.066	9.028f	480634	3896250	3.314	26.847 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.325	8.428	310731	467781	18.064	15.470
37)	Toxaphene...	7.597	8.738f	175927	927482	2.303	23.602 #
38)	Toxaphene...	7.922	8.834f	238519	2465745	3.166	38.992 #
39)	Toxaphene...	8.150	8.834f	1151668	2465745	12.311	19.931 #
40)	Toxaphene...	8.368	9.055	32802741	3859741	587.324	67.982 #
41)	Toxaphene...	8.421f	9.388f	4399525	31591439	57.228	487.916 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 17:21
Operator : MJB
Sample : A0I0556-27RE2@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 17:40:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 17:58
 Operator : MJB
 Sample : A0I0556-21RE2@10
 Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDD Only
 ALS Vial : 16 Sample Multiplier: 1

MJB 10/7/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 18:12:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.097	5.841	16751296	15780381	4.488	4.495
22) S DCBP (S)	9.274	10.357	17323531	12918178	5.501	6.025
Target Compounds						
2) a-BHC	5.628	6.444	900392	226133	0.183	0.092 #
3) g-BHC	5.913	6.760	1114782	324950	0.252	0.083 #
4) b-BHC	5.995	6.834	1089955	352724	0.549	0.187 #
5) Heptachlor	6.322	7.127	3120125	174974	0.737	0.012 #
6) d-BHC	6.134	7.075	1174225	501501	0.285	0.164 #
7) Aldrin	6.540f	7.394	1783728	259875	0.409	0.062 #
8) Heptachlo...	7.027	7.849	17150937	323412	4.235	0.088 #
9) trans-Chl...	7.112	7.961	2947617	16671021	0.712	4.499 #
10) cis-Chlor...	7.230	8.083	3654872	909801	0.891	0.256 #
11) Endosulfa...	7.329f	8.137	85644758	1484119	22.699	0.448 #
12) 4,4'-DDE	7.275	8.194	28895558	89984772	7.068	25.118 #
13) Dieldrin	7.478	8.334	2205548	36211703	0.522	9.846 #
14) Endrin	7.636	8.558	4887035	2014413	1.616	0.800 #
15) 4,4'-DDD	7.691	8.598	168.7E6	165.6E6	50.513	53.131
16) Endosulfa...	7.800	8.691	1899663	4144660	0.587	1.413 #
17) 4,4'-DDT	7.888	8.823	112.7E6	102.9E6	36.473	36.999
18) Endrin Al...	8.093	8.956	2137286	1037662	0.649	0.365 #
19) Endosulfa...	8.367	9.138	9756958	2440675	3.369	0.977 #
20) Methoxychlor	8.243	9.325	4828764	2381359	3.186	1.606 #
21) Endrin Ke...	8.574	9.511	3114708	2349001	1.348	1.325
23) Hexachlor...	2.881	3.557	180302	591096	BelowCal	BelowCal
24) Hexachlor...	5.475	6.323	1183401	307911	0.104	BelowCal #
25) Oxychlorane	6.959	7.755	1816059	3770645	0.347	1.075 #
26) 2,4'-DDE	7.027	7.961	17150937	16671021	6.523	7.301
27) trans-Non...	7.196	8.031	2068061	548368	0.317	BelowCal #
28) 2,4'-DDD	7.394	8.334	41441835	36211703	18.314	18.014
29) 2,4'-DDT	7.575	8.558	4676206	2014413	1.835	0.799 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 17:58
 Operator : MJB
 Sample : A0I0556-21RE2@10
 Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDD Only
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 07 18:12:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

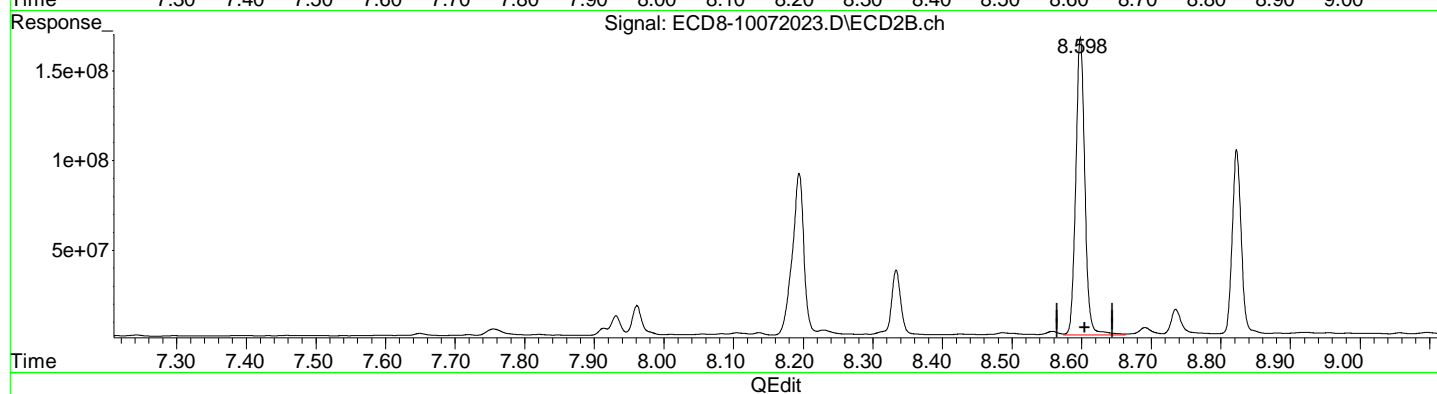
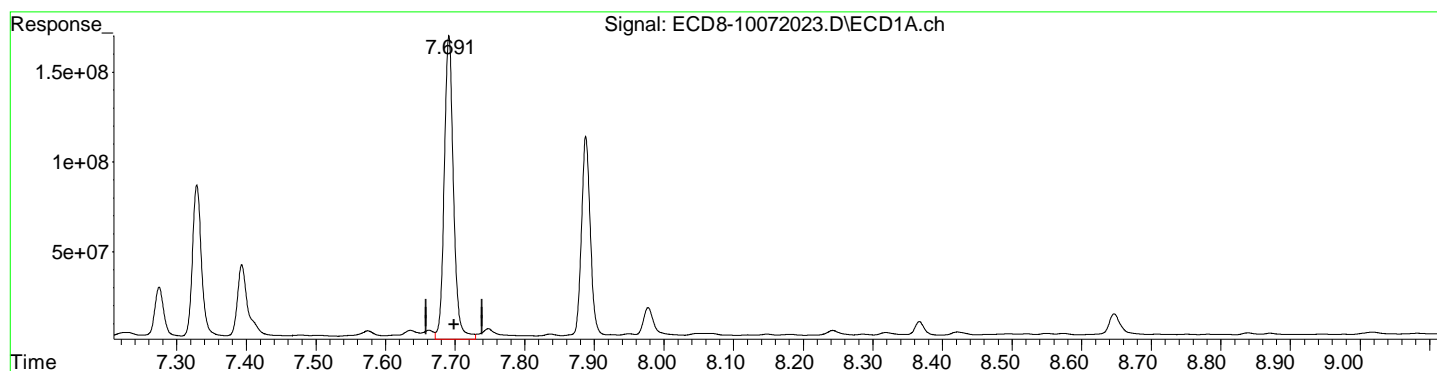
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.691	8.598	168.7E6	165.6E6	41.133	44.660
31)	Mirex	8.319	9.511	3521169	2349001	1.060	0.702 #
32)	Chlordane...	7.394f	8.229	41441835	2840369	91.606	6.429 #
33)	Chlordane...	7.501f	8.334	1999862	36211703	3.635	97.284 #
34)	Chlordane...	8.065	8.983	3120083	846263	21.512	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.329	8.426	85644758	582695	4978.780	19.271 #
37)	Toxaphene...	7.636f	8.735f	4887035	14189237	147.523	361.078 #
38)	Toxaphene...	7.923	8.823	2443649	102.9E6	32.431	1627.173 #
39)	Toxaphene...	8.148	8.881	2683330	948737	35.280	3.286 #
40)	Toxaphene...	8.367	9.057	9756958	984166	174.696	17.334 #
41)	Toxaphene...	8.464	9.439	2519406	848260	32.772	13.101 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 17:58
Operator : MJB
Sample : A0I0556-21RE2@10
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDD Only
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 18:12:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.691min 50.513 ng/mL
response 168712118

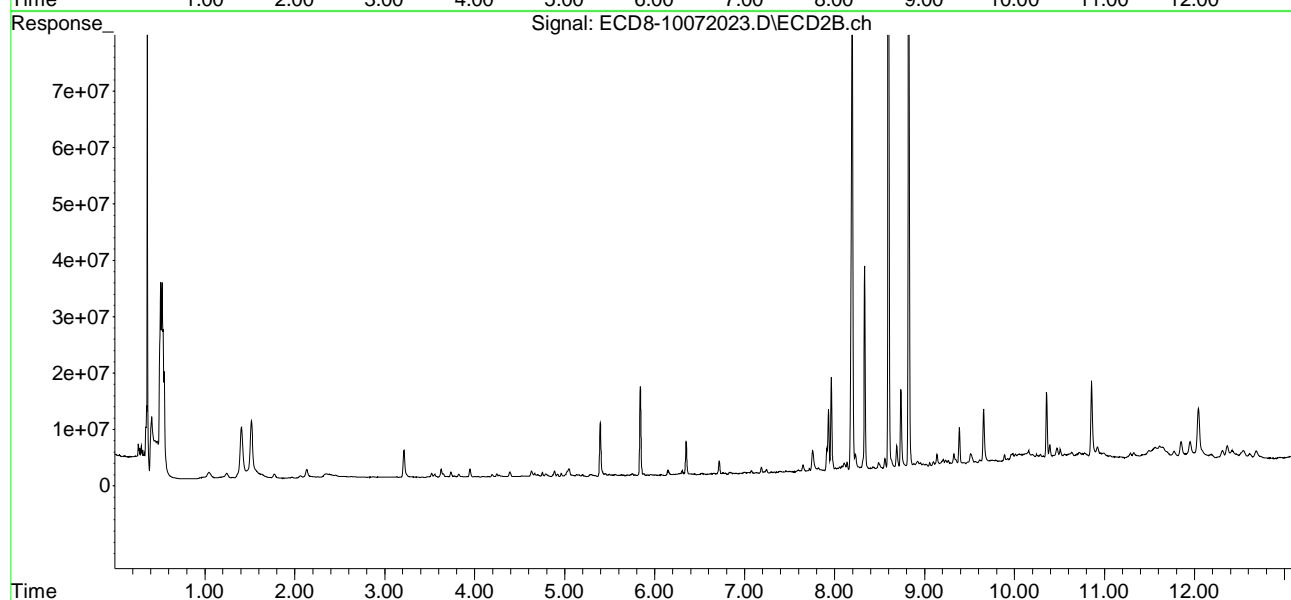
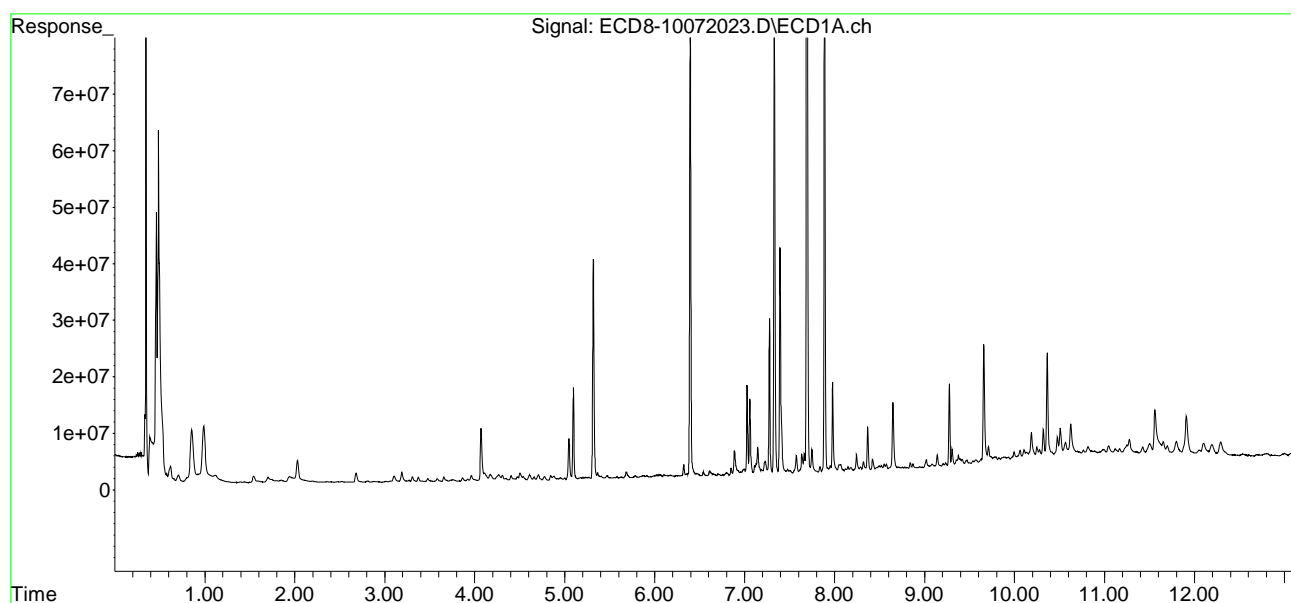
MJB 10/7/20

(15) 4,4'-DDD #2
8.598min 53.131 ng/mL
response 165589593

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 17:58
Operator : MJB
Sample : A0I0556-21RE2@10
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDD Only
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 07 18:12:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 19:42
 Operator : MJB
 Sample : 0J07055-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/8/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 08 10:59:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.098	5.843	164.0E6	130.0E6	43.927	37.035 Q-31
22) S DCBP (S)	9.275	10.357	121.3E6	99927743	39.784	46.513
Target Compounds						
2) a-BHC	5.630	6.445	256.2E6	241.9E6	52.026	50.775
3) g-BHC	5.911	6.760	224.9E6	211.3E6	50.844	50.288
4) b-BHC	5.991	6.828	80764220	73350755	40.679	38.908
5) Heptachlor	6.320	7.128	235.0E6	234.8E6	55.516	56.706
6) d-BHC	6.138	7.080	168.4E6	170.9E6	40.819	42.348
7) Aldrin	6.557	7.392	227.1E6	215.1E6	52.034	54.360
8) Heptachlo...	7.014	7.829	204.4E6	197.6E6	50.469	53.972
9) trans-Chl...	7.111	7.968	205.3E6	193.3E6	49.613	52.162
10) cis-Chlor...	7.207	8.075	199.3E6	195.7E6	48.601	55.164
11) Endosulfa...	7.297	8.123	209.8E6	180.1E6	55.595	54.367
12) 4,4'-DDE	7.281	8.187	176.4E6	153.9E6	43.161	41.763
13) Dieldrin	7.469	8.323	217.2E6	205.4E6	51.348	55.845
14) Endrin	7.630	8.548	166.1E6	153.1E6	54.931	57.665
15) 4,4'-DDD	7.696	8.601	140.0E6	125.2E6	41.906	40.966
16) Endosulfa...	7.785	8.696	161.2E6	149.6E6	49.835	50.981
17) 4,4'-DDT	7.891	8.824	154.8E6	137.6E6	50.111	48.363
18) Endrin Al...	8.072	8.932	142.9E6	134.3E6	43.390	47.176
19) Endosulfa...	8.369	9.122	155.7E6	145.7E6	53.747	56.032
20) Methoxychlor	8.237	9.305	73041390	60595782	48.196	40.866
21) Endrin Ke...	8.559	9.519	184.8E6	165.4E6	79.964	85.164
23) Hexachlor...	0.000	3.572	0	30782	N.D.	BelowCal
24) Hexachlor...	5.479	6.346f	414763	66009	BelowCal	BelowCal
25) Oxychlorane	6.953	7.770	942124	24287	0.091	BelowCal #
26) 2,4'-DDE	7.014f	7.968	204.4E6	193.3E6	78.161	79.114
27) trans-Non...	7.207	8.030	199.3E6	916051	52.776	0.034 #
28) 2,4'-DDD	0.000	8.323	0	205.4E6	N.D.	93.779 #
29) 2,4'-DDT	7.579	8.548	691556	153.1E6	0.115	68.969 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 19:42
 Operator : MJB
 Sample : 0J07055-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 08 10:59:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

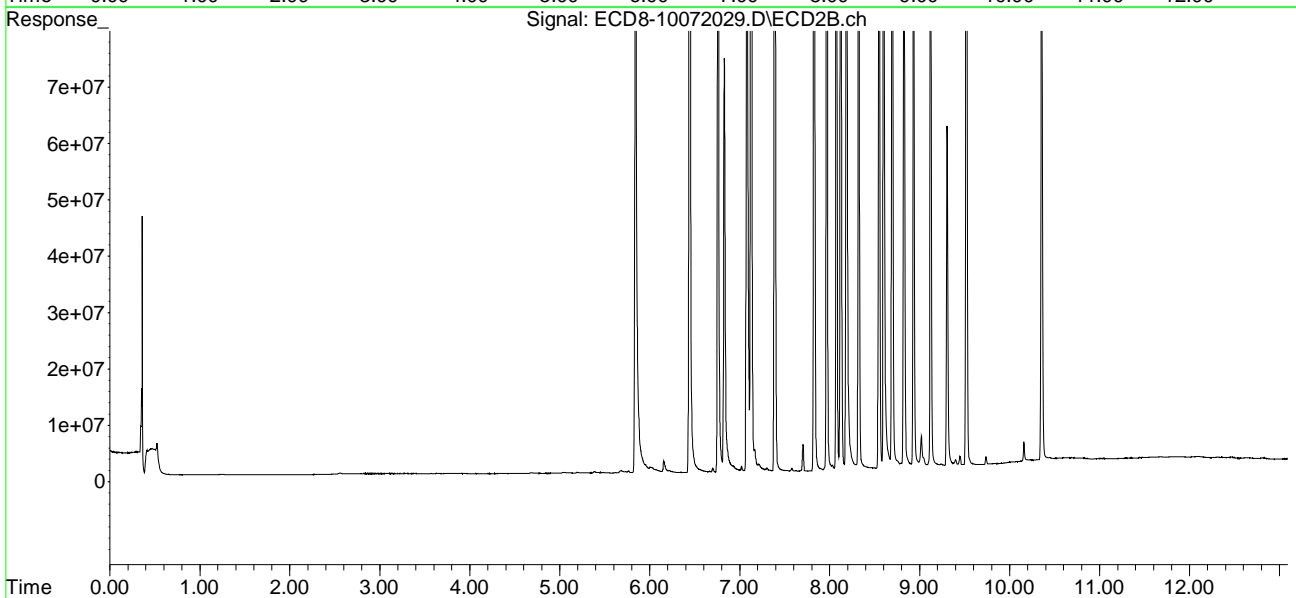
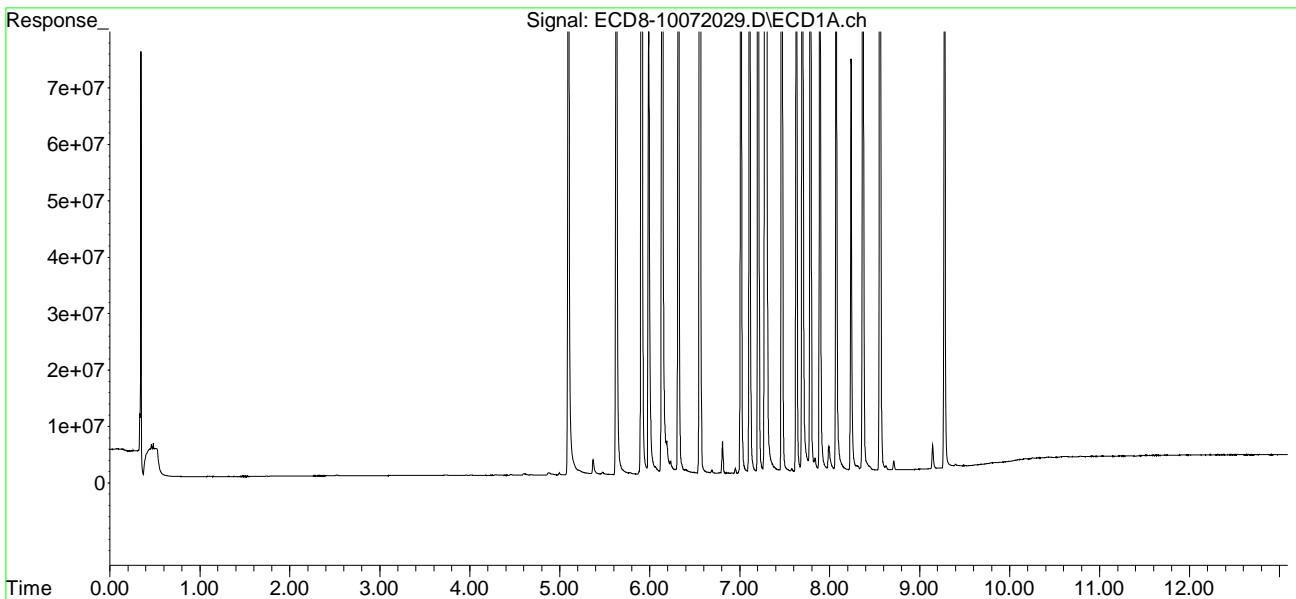
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.696	8.601	140.0E6	125.2E6	34.130	34.136
31)	Mirex	8.300f	9.519	959899	165.4E6	0.080	73.559 #
32)	Chlordane...	7.469f	8.187f	217.2E6	153.9E6	480.015	348.355 #
33)	Chlordane...	0.000	8.323	0	205.4E6	N.D.	551.770 #
34)	Chlordane...	8.072	9.017f	142.9E6	5683317	985.070	43.592 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.297f	8.458f	209.8E6	300335	12193.948	9.933 #
37)	Toxaphene...	7.630f	8.792f	166.1E6	964424	5338.080	24.542 #
38)	Toxaphene...	7.891f	8.792	154.8E6	964424	2054.985	15.251 #
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.369	9.043	155.7E6	1843927	2787.230	32.477 #
41)	Toxaphene...	8.442	9.447f	777725	1962568	10.117	30.311 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 19:42
Operator : MJB
Sample : 0J07055-CCV5
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 08 10:59:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 19:59
 Operator : MJB
 Sample : 0J07055-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/8/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 08 11:00:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.074f	5.836	1325847	37000	0.355	0.011 #
22) S DCBP (S)	9.277	10.363	102085	908008	BelowCal	0.195
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.890f	6.760	164831	134945	0.037	0.034
4) b-BHC	6.010	6.844	104345	85515	0.053	0.045
5) Heptachlor	6.321	7.130	502452	456422	0.119	0.086 #
6) d-BHC	6.146	7.091	73174	40428	0.018	0.043 #
7) Aldrin	6.556	7.391	34829	22508	0.008	BelowCal #
8) Heptachlo...	7.032	7.869f	113.6E6	462526	28.060	0.126 #
9) trans-Chl...	7.107	7.967	1300905	103.0E6	0.314	27.802 #
10) cis-Chlor...	7.203	8.074	196.5E6	2415056	47.924	0.681 #
11) Endosulfa...	7.306	0.000	592597	0	0.157	N.D. #
12) 4,4'-DDE	7.306f	8.187	592597	330084	0.145	0.115
13) Dieldrin	7.443f	8.338	4155349	89508063	0.983	24.338 #
14) Endrin	7.667f	8.559	217.0E6	111.6E6	71.778	43.036 #
15) 4,4'-DDD	7.667f	8.595	217.0E6	204.8E6	64.980	64.544
16) Endosulfa...	7.815	0.000	334044	0	0.103	N.D. #
17) 4,4'-DDT	7.896	8.827	184181	157380	0.060	0.045
18) Endrin Al...	8.077	8.939	148344	321694	0.045	0.113 #
19) Endosulfa...	0.000	9.124	0	64434	N.D.	BelowCal
20) Methoxychlor	8.247	9.315	29498	120980	0.019	0.082 #
21) Endrin Ke...	8.561	9.508f	59115	118.8E6	0.026	63.670 #
23) Hexachlor...	2.881	3.546	176.7E6	216.7E6	50.708	55.404
24) Hexachlor...	5.476	6.310	144.3E6	107.6E6	40.121	31.363
25) Oxychlorane	6.946	7.759	177.7E6	167.8E6	51.853	54.856
26) 2,4'-DDE	7.032	7.967	113.6E6	103.0E6	43.783	43.988
27) trans-Non...	7.203	8.032	196.5E6	184.2E6	52.039	54.206
28) 2,4'-DDD	7.400	8.338	97286999	89508063	43.068	43.382
29) 2,4'-DDT	7.580	8.559	121.6E6	111.6E6	51.381	51.426

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 19:59
 Operator : MJB
 Sample : 0J07055-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 08 11:00:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

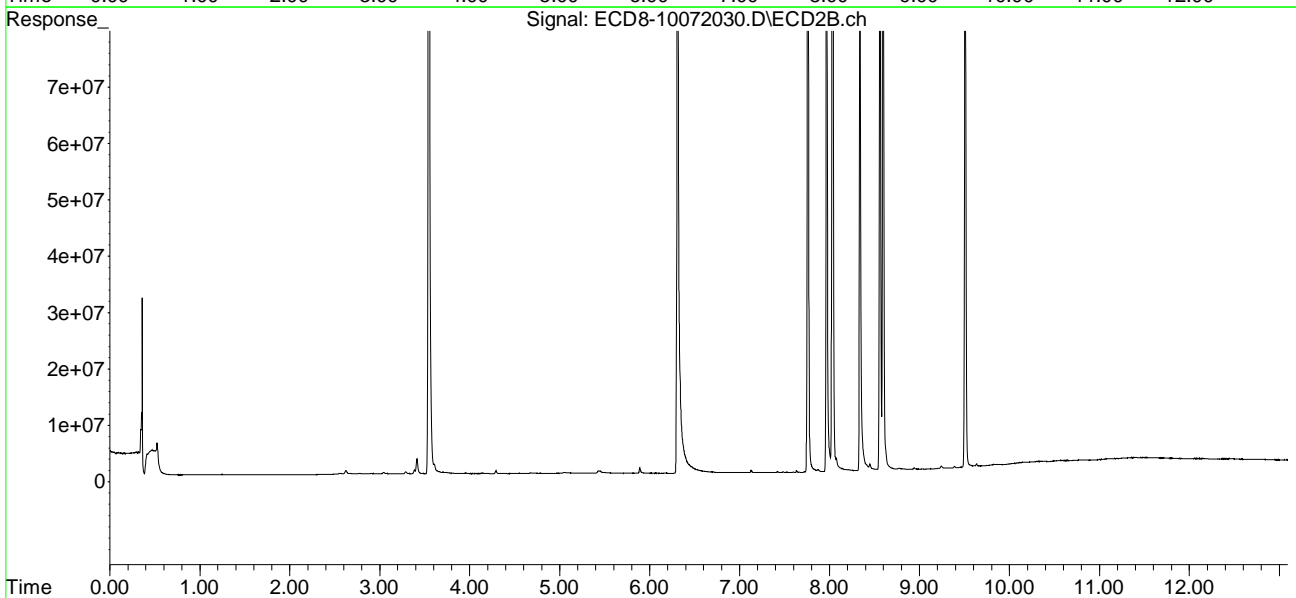
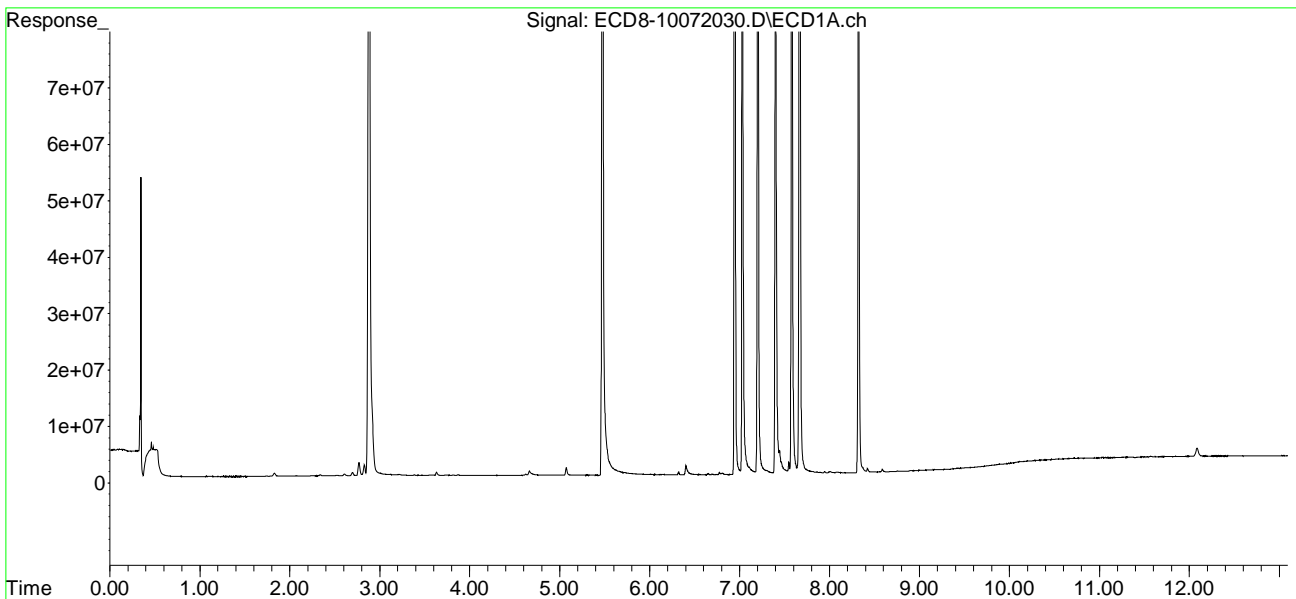
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.667	8.595	217.0E6	204.8E6	52.872	54.656
31)	Mirex	8.322	9.508	130.1E6	118.8E6	49.649	53.584
32)	Chlordane...	7.443	8.214	4155349	295899	9.185	0.670 #
33)	Chlordane...	7.548f	8.338	2044969	89508063	3.717	240.465 #
34)	Chlordane...	8.077	8.981	148344	70554	1.023	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.306	8.448f	592597	1223911	34.449	40.477
37)	Toxaphene...	7.580f	8.777	121.6E6	315537	3858.499	8.030 #
38)	Toxaphene...	7.896	8.804	184181	231461	2.444	3.660 #
39)	Toxaphene...	8.170	0.000	58606	0	BelowCal	N.D.
40)	Toxaphene...	0.000	9.033	0	59307	N.D.	1.045 #
41)	Toxaphene...	8.423f	9.390f	727623	383773	9.465	5.927 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 19:59
Operator : MJB
Sample : 0J07055-CCV6
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 08 11:00:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 20:15
 Operator : MJB
 Sample : 0J07055-CCB3
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/8/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 08 11:01:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.097	5.842	323.4E6	269.2E6	86.634	76.687
22) S DCBP (S)	9.276	10.358	248.4E6	212.3E6	81.534	94.967
Target Compounds						
2) a-BHC	5.671f	0.000	128312	0	0.026	N.D. #
3) g-BHC	0.000	6.748f	0	34604	N.D.	0.008 #
4) b-BHC	6.019	0.000	34178	0	0.017	N.D. #
5) Heptachlor	0.000	7.129	0	9412	N.D.	BelowCal
6) d-BHC	0.000	7.095	0	22009	N.D.	0.038 #
7) Aldrin	0.000	7.385	0	7617	N.D.	BelowCal
8) Heptachlo...	7.040	7.842	10389	10618	0.003	0.003
9) trans-Chl...	7.109	7.974	214955	7257	0.052	0.002 #
10) cis-Chlor...	7.231	8.077	69380	29620	0.017	0.008 #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.268	8.205	78916	7343	0.019	0.021
13) Dieldrin	7.473	8.327	13646	18672	0.003	0.005 #
14) Endrin	7.623	8.569	10425	16435	0.003	BelowCal #
15) 4,4'-DDD	7.694	8.604	6762	14044	0.002	0.012 #
16) Endosulfa...	7.790	8.707	40385	12016	0.012	0.004 #
17) 4,4'-DDT	0.000	8.829	0	22021	N.D.	BelowCal
18) Endrin Al...	8.075	8.937	92966	77184	0.028	0.027
19) Endosulfa...	8.378	9.128	37383	36028	0.013	BelowCal #
20) Methoxychlor	8.239	9.306	75028	112730	0.050	0.076 #
21) Endrin Ke...	8.557	9.529	47677	226715	0.021	0.029 #
23) Hexachlor...	0.000	3.571	0	26810	N.D.	BelowCal
24) Hexachlor...	5.479	0.000	777158	0	BelowCal	N.D.
25) Oxychlorane	6.925f	7.746f	13107	17115	104477.347	BelowCal #
26) 2,4'-DDE	7.040	7.974	10389	7257	BelowCal	BelowCal
27) trans-Non...	7.231	8.032	69380	62530	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.344	0	18586	N.D.	BelowCal
29) 2,4'-DDT	7.586	8.569	12001	16435	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
 Data File : ECD8-10072031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 7 Oct 2020 20:15
 Operator : MJB
 Sample : 0J07055-CCB3
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 08 11:01:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

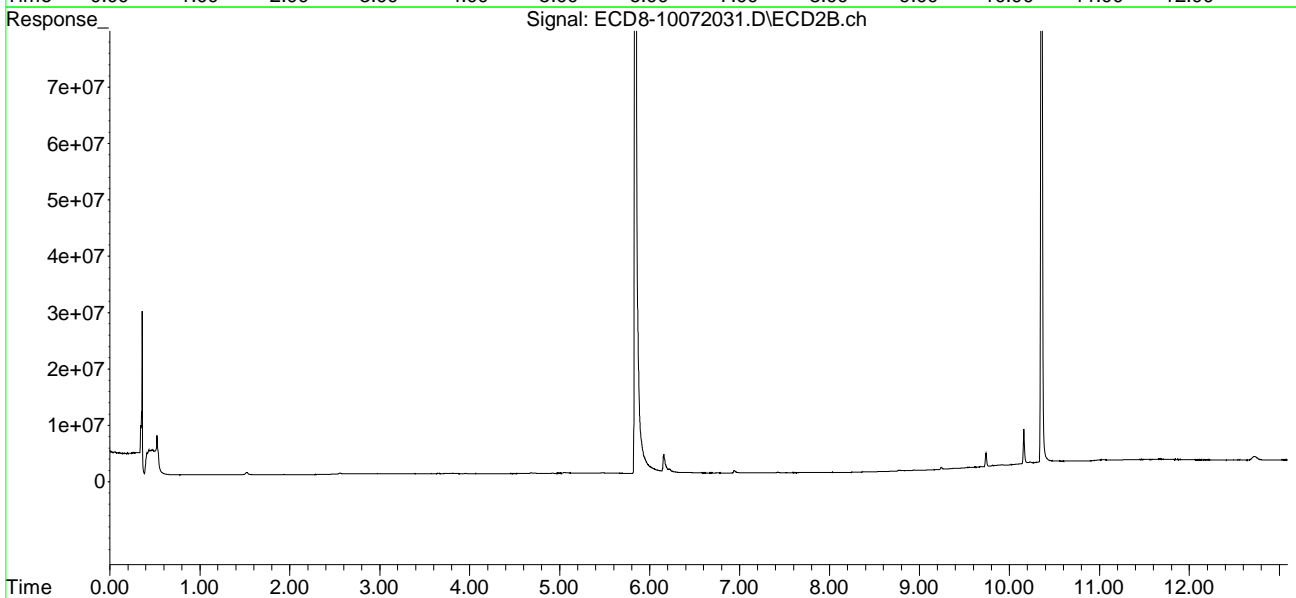
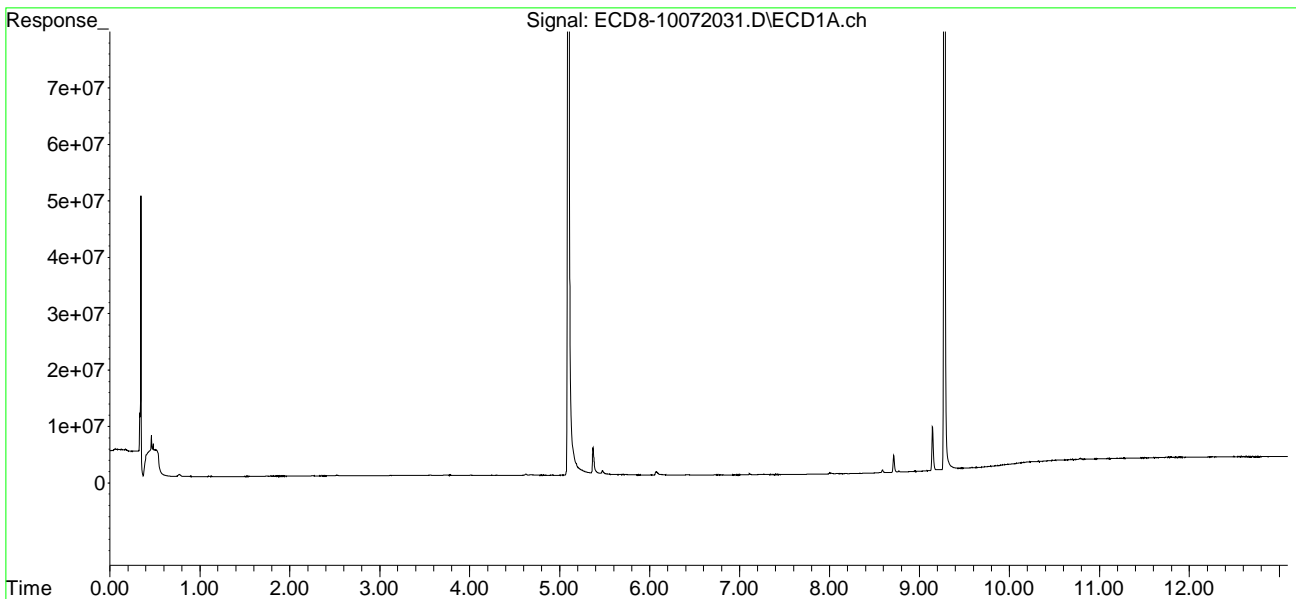
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.673	8.604	12174	14044	BelowCal	BelowCal
31)	Mirex	8.338	9.522	41423	230386	14904.438	BelowCal #
32)	Chlordane...	7.461f	8.215	16477	4947	0.036	0.011 #
33)	Chlordane...	7.558f	8.327	9884	18672	0.018	0.050 #
34)	Chlordane...	8.075	8.995	92966	14278	0.641	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.428	0	28438	N.D.	0.941 #
37)	Toxaphene...	7.623	8.774	10425	151618	125255.128	3.858 #
38)	Toxaphene...	0.000	8.829f	0	22021	N.D.	0.348 #
39)	Toxaphene...	8.144	8.869	59685	14666	BelowCal	BelowCal
40)	Toxaphene...	8.378	9.047	37383	5484	0.669	0.097 #
41)	Toxaphene...	8.455	9.428	12259	138817	0.159	2.144 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J07055\
Data File : ECD8-10072031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Oct 2020 20:15
Operator : MJB
Sample : 0J07055-CCB3
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 08 11:01:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTF.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Sequence 0J05048 (QC Only)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **OJ05048**

Instrument: **DUALECD8**

Date: **10/05/20 13:15**

Calibration: **A0G2005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ05048-BKD1	Sediment	QC	QC				A20H479
2	OJ05048-CCV1	Sediment	QC	QC				A20H475
3	OJ05048-CCV2	Sediment	QC	QC				A20I185
4	OJ05048-BKD2	Sediment	QC	QC				A20H479
5	OJ05048-CCV3	Sediment	QC	QC				A20H475
6	OJ05048-CCV4	Sediment	QC	QC				A20I185
7	OJ05048-CCB1	Sediment	QC	QC				A20I313
8	0100091-BLK1	Sediment	QC	QC		0100091		
9	0100091-BS1	Sediment	QC	QC		0100091		
10	A0I0710-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
11	A0I0710-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
12	A0I0750-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
13	A0I0750-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/06/20	0100091		
14	0100091-MS1	Sediment	QC	QC		0100091		
15	OJ05048-CCV5	Sediment	QC	QC				A20H476
16	OJ05048-CCV6	Sediment	QC	QC				A20I186
17	OJ05048-CCB2	Sediment	QC	QC				A20I313

Data Entered By/Date: MJB 10/6/20

Comments:

Data Reviewed By/Date: dgj 10/6/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 13:58
 Operator : MJB
 Sample : 0J05048-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 14:41:40 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.329	31647193	NoCal	ng/mL
2) Endrin	7.672	1763286045	NoCal	ng/mL
3) 4,4'-DDD	7.740	68416793	NoCal	ng/mL
4) 4,4'-DDT	7.933	3063328588	NoCal	ng/mL
5) Endrin Aldehyde	8.114	56158593	NoCal	ng/mL
6) Endrin Ketone	8.603	61800592	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.231	39441778	NoCal	ng/mL
9) Endrin [2C]	8.587	1598711193	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.640	81211579	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.971	43243043	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.862	2955851965	NoCal	ng/mL
13) Endrin Ketone [2C]	9.558	78941294	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

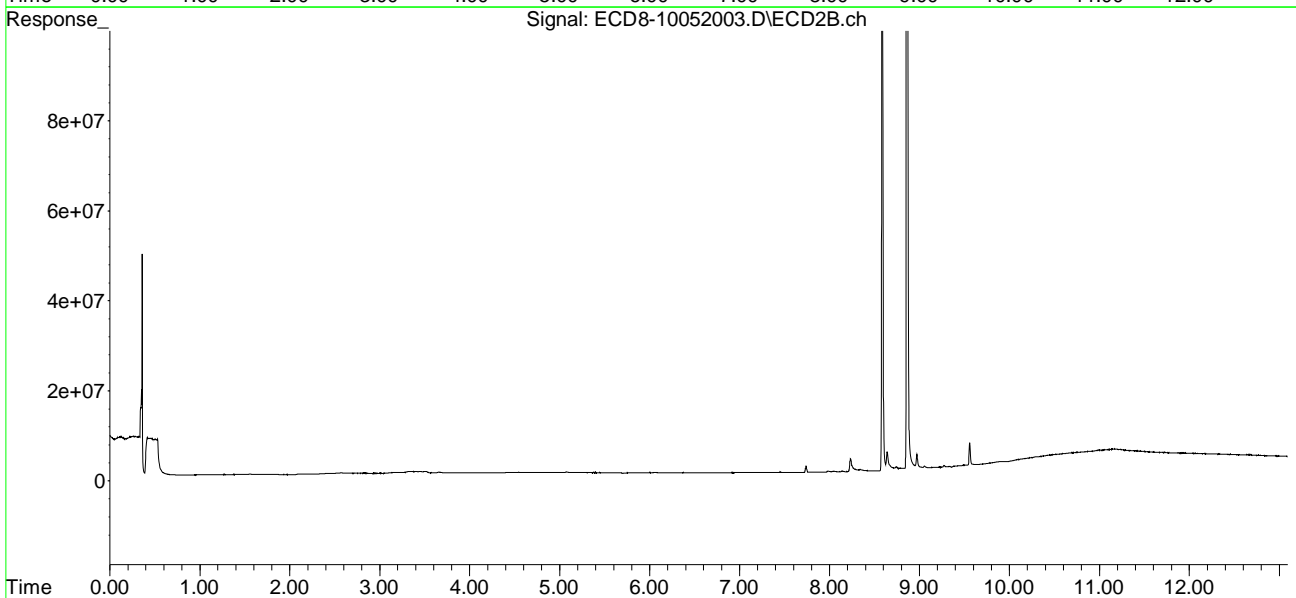
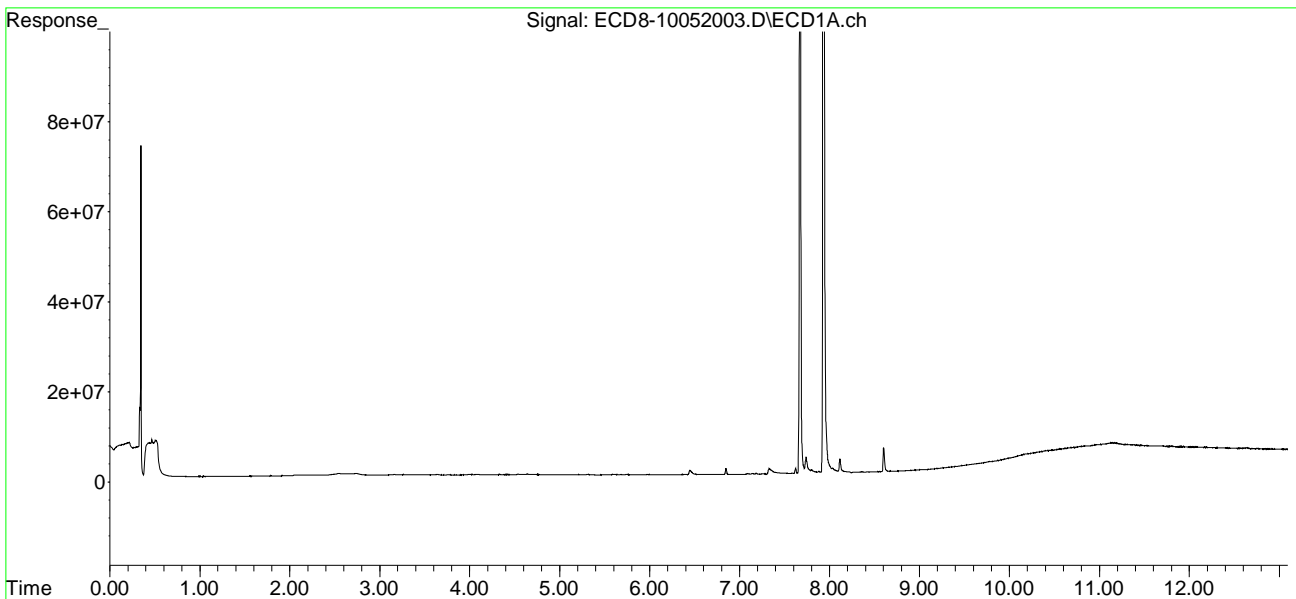
(m)=manual int.

CCV failed. Maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 13:58
Operator : MJB
Sample : 0J05048-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 14:41:40 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 14:15
 Operator : MJB
 Sample : 0J05048-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Q-14

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 14:42:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.140	5.881	150.4E6	137.7E6	40.304	39.234
22) S DCBP (S)	9.321	10.401	127.0E6	109.2E6	41.655	50.663
Target Compounds						
2) a-BHC	5.671	6.480	241.1E6	236.4E6	48.962	49.693
3) g-BHC	5.951	6.796	209.5E6	210.9E6	47.358	50.189
4) b-BHC	6.027	6.862	73606753	73243658	37.074	38.851
5) Heptachlor	6.360	7.166	208.3E6	214.6E6	49.194	52.160
6) d-BHC	6.173	7.115	150.9E6	169.5E6	36.577	42.031
7) Aldrin	6.597	7.428	210.4E6	210.0E6	48.220	53.152
8) Heptachlo...	7.054	7.866	190.2E6	184.1E6	46.962	50.288
9) trans-Chl...	7.149	8.005	188.5E6	188.1E6	45.562	50.769
10) cis-Chlor...	7.247	8.112	183.4E6	182.0E6	44.713	51.308
11) Endosulfa...	7.338	8.161	199.8E6	172.6E6	52.965	52.098
12) 4,4'-DDE	7.324	8.224	155.8E6	155.8E6	38.117	42.255
13) Dieldrin	7.510	8.361	199.6E6	198.3E6	47.206	53.927
14) Endrin	7.671	8.587	171.2E6	158.2E6	56.634	59.441
15) 4,4'-DDD	7.738	8.638	120.2E6	126.3E6	35.990	41.299
16) Endosulfa...	7.826	8.734	150.9E6	144.5E6	46.674	49.242
17) 4,4'-DDT	7.934	8.863	129.1E6	135.5E6	41.783	47.688
18) Endrin Al...	8.114	8.971	127.7E6	128.2E6	38.774	45.032
19) Endosulfa...	8.412	9.161	146.8E6	138.2E6	50.694	53.361
20) Methoxychlor	8.277	9.343	58694973	60553199	38.729	40.837
21) Endrin Ke...	8.603	9.559	172.8E6	162.3E6	74.772	83.786
23) Hexachlor...	0.000	3.605f	0	47353	N.D.	BelowCal
24) Hexachlor...	5.519	6.373f	321573	52829	BelowCal	BelowCal
25) Oxychlorane	6.992	7.772f	829076	136529	0.058	BelowCal #
26) 2,4'-DDE	7.054f	8.005	190.2E6	188.1E6	72.823	77.182
27) trans-Non...	7.247	8.065	183.4E6	967205	48.545	0.050 #
28) 2,4'-DDD	0.000	8.361	0	198.3E6	N.D.	90.870 #
29) 2,4'-DDT	7.619	8.587	789482	158.2E6	0.158	71.098 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 14:15
 Operator : MJB
 Sample : 0J05048-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 14:42:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

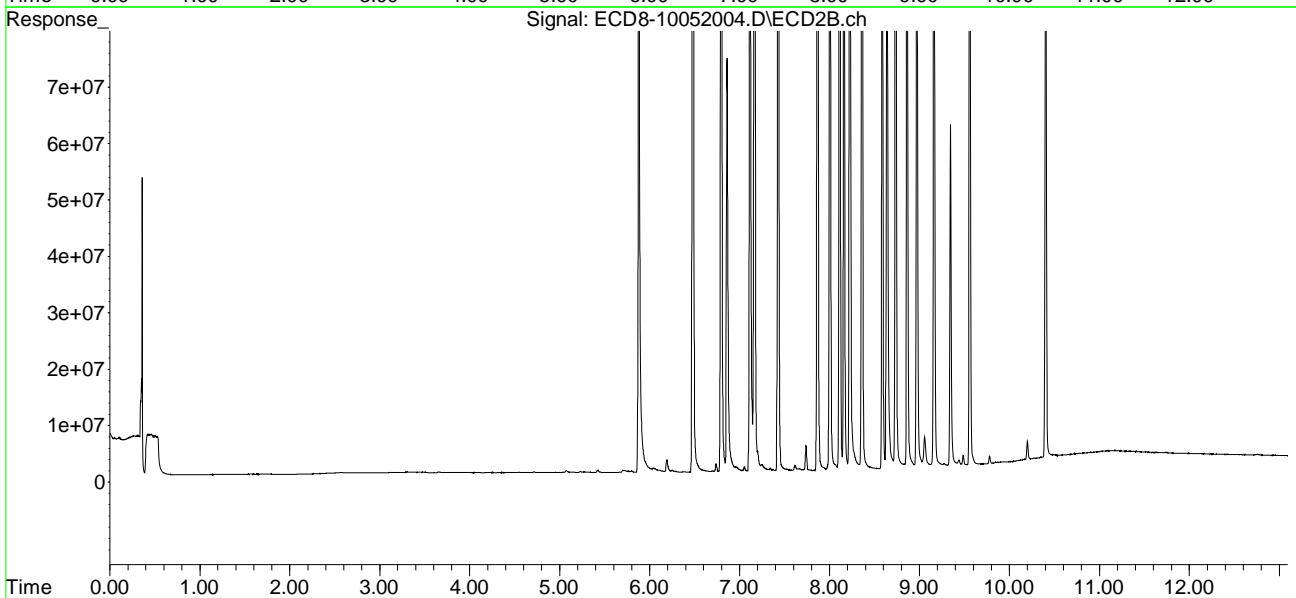
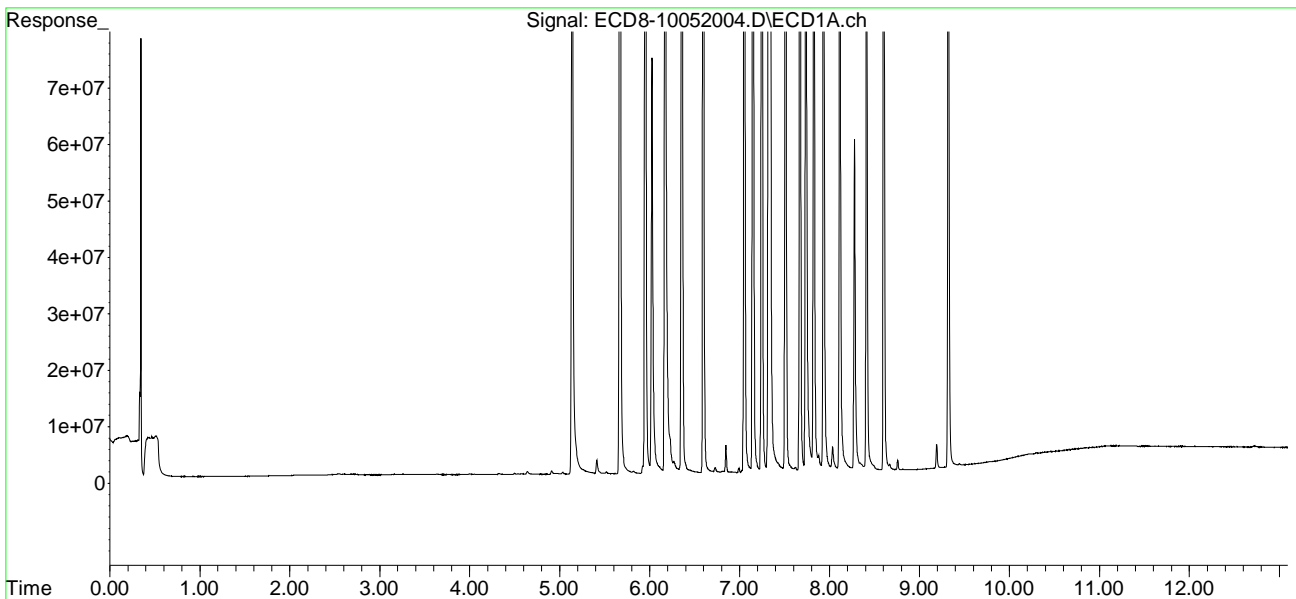
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.738f	8.638	120.2E6	126.3E6	29.307	34.423
31)	Mirex	8.339f	9.559	1357721	162.3E6	0.233	72.254 #
32)	Chlordane...	0.000	8.224	0	155.8E6	N.D.	352.748 #
33)	Chlordane...	7.510	8.361f	199.6E6	198.3E6	362.845	532.825 #
34)	Chlordane...	8.033f	8.971f	4265713	128.2E6	29.411	1070.689 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.324	8.457f	155.8E6	316835	9058.699	10.478 #
37)	Toxaphene...	7.619	8.734f	789482	144.5E6	21.197	3676.229 #
38)	Toxaphene...	7.934	8.830f	129.1E6	737041	1713.456	11.655 #
39)	Toxaphene...	0.000	8.863	0	135.5E6	N.D.	1292.464 #
40)	Toxaphene...	8.412f	9.056	146.8E6	5345784	2628.900	94.156 #
41)	Toxaphene...	8.412f	9.438	146.8E6	1085186	1909.906	16.760 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 14:15
Operator : MJB
Sample : 0J05048-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 14:42:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 14:31
 Operator : MJB
 Sample : 0J05048-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Q-14

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:25:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.159	5.876	43356	85679	0.012	0.024 #
22) S DCBP (S)	9.322	0.000	181780	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.950	6.803	162667	70539	0.037	0.017 #
4) b-BHC	6.030	6.867	121819	76774	0.061	0.041 #
5) Heptachlor	6.358	7.164	493068	467366	0.116	0.089
6) d-BHC	6.178	7.120	88945	77864	0.022	0.053 #
7) Aldrin	6.595	7.450	18585	158139	0.004	0.034 #
8) Heptachlo...	7.072	7.905f	96743487	701336	23.890	0.192 #
9) trans-Chl...	0.000	8.002	0	102.3E6	N.D.	27.603 #
10) cis-Chlor...	7.240	8.109	180.0E6	2214781	43.897	0.624 #
11) Endosulfa...	7.322	8.175	749717	507148	0.199	0.153
12) 4,4'-DDE	7.322	8.250f	749717	187903	0.183	0.073 #
13) Dieldrin	0.000	8.374	0	92253329	N.D.	25.084 #
14) Endrin	7.705f	8.596	188.6E6	109.0E6	62.368	42.101 #
15) 4,4'-DDD	7.705f	8.632	188.6E6	190.7E6	56.461	60.496
16) Endosulfa...	7.857f	0.000	272923	0	0.084	N.D. #
17) 4,4'-DDT	7.933	8.862	171373	77512	0.055	0.014 #
18) Endrin Al...	8.122	8.975	207645	243176	0.063	0.085 #
19) Endosulfa...	8.405	9.164	826886	27708	0.285	BelowCal #
20) Methoxychlor	8.277	0.000	20524	0	0.014	N.D. #
21) Endrin Ke...	8.615	9.547	399280	116.9E6	0.173	62.787 #
23) Hexachlor...	2.922	3.581	180.6E6	220.9E6	51.826	56.404
24) Hexachlor...	5.519	6.345	132.3E6	124.8E6	36.792	36.194
25) Oxychlorane	6.983	7.794	161.5E6	155.2E6	47.093	50.931
26) 2,4'-DDE	7.072	8.002	96743487	102.3E6	37.316	43.689
27) trans-Non...	7.240	8.068	180.0E6	172.0E6	47.657	50.822
28) 2,4'-DDD	7.439	8.374	84987043	92253329	37.634	44.647
29) 2,4'-DDT	7.621	8.596	107.6E6	109.0E6	45.555	50.304

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 14:31
 Operator : MJB
 Sample : 0J05048-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:25:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

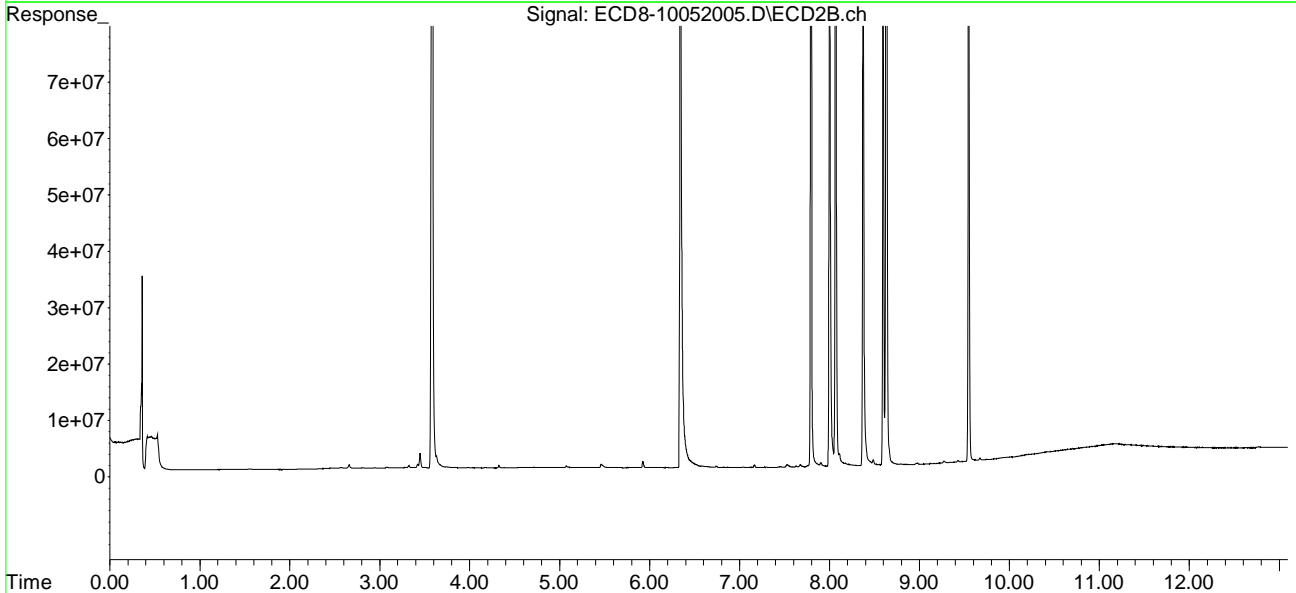
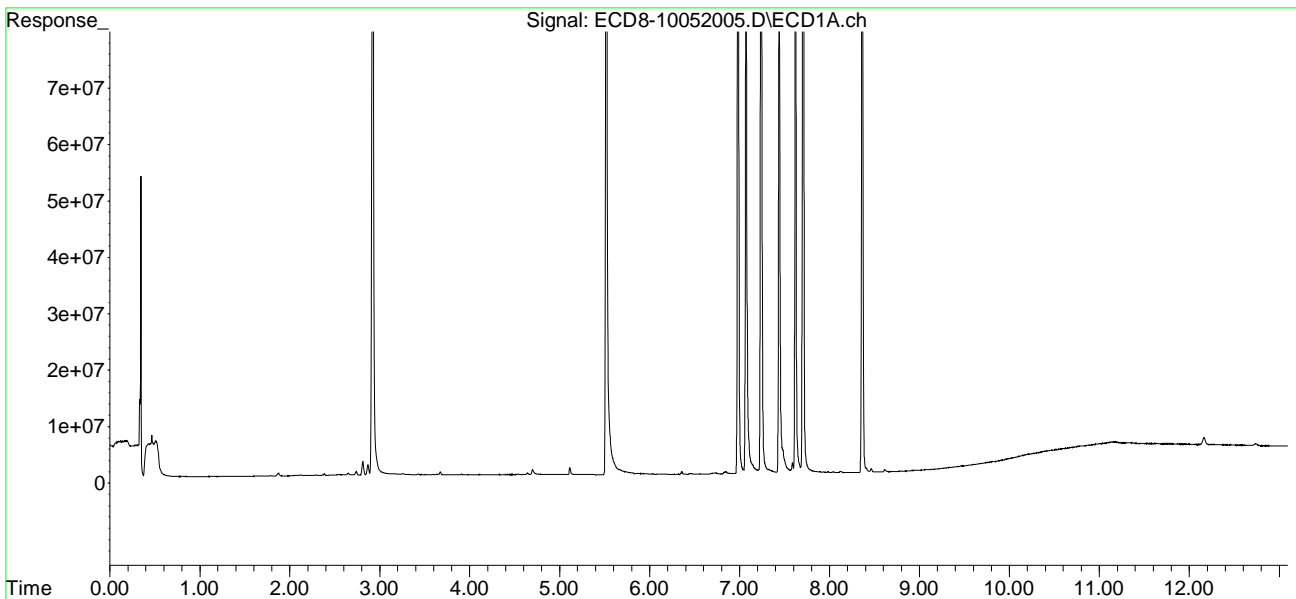
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.705	8.632	188.6E6	190.7E6	45.964	51.097
31)	Mirex	8.364	9.547	123.3E6	116.9E6	47.012	52.781
32)	Chlordane...	7.439	8.250f	84987043	187903	187.862	0.425 #
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34)	Chlordane...	8.079	8.975f	68413	243176	0.472	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.322	0.000	749717	0	43.583	N.D. #
37)	Toxaphene...	7.621	8.791f	107.6E6	166723	3402.407	4.243 #
38)	Toxaphene...	7.933	8.816	171373	128691	2.274	2.035
39)	Toxaphene...	8.161	8.862	54244	77512	BelowCal	BelowCal
40)	Toxaphene...	8.364	9.023f	123.3E6	21780	2207.035	0.384 #
41)	Toxaphene...	8.463	9.427	671435	273913	8.734	4.230 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 14:31
Operator : MJB
Sample : 0J05048-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:25:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0J05048 BKD2
Data File: ECD8-10052007.D

MJB 10/5/20

First Column Area Counts		Percent Breakdown	
DDE	35522545		
DDD	82093406		
DDT	2831704676	3.99	PASS
Endrin	1628289806	11.07	PASS
Endrin Aldehyde	104178676		
Endrin Ketone	98591654		

Second Column Area Counts		Percent Breakdown	
DDE	78330353		
DDD	88626840		
DDT	2637078675	5.95	PASS
Endrin	1445185236	10.06	PASS
Endrin Aldehyde	81449351		
Endrin Ketone	80148758		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 15:22
 Operator : MJB
 Sample : 0J05048-BKD2
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:26:56 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.312	35522545	NoCal	ng/mL
2) Endrin	7.658	1628289806	NoCal	ng/mL
3) 4,4'-DDD	7.723	82093406	NoCal	ng/mL
4) 4,4'-DDT	7.919	2831704676	NoCal	ng/mL
5) Endrin Aldehyde	8.100	104178676	NoCal	ng/mL
6) Endrin Ketone	8.590	98591654	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.216	78330353	NoCal	ng/mL
9) Endrin [2C]	8.573	1445185236	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.624	88626840	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.957	81449351	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.848	2637078675	NoCal	ng/mL
13) Endrin Ketone [2C]	9.545	80148758	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

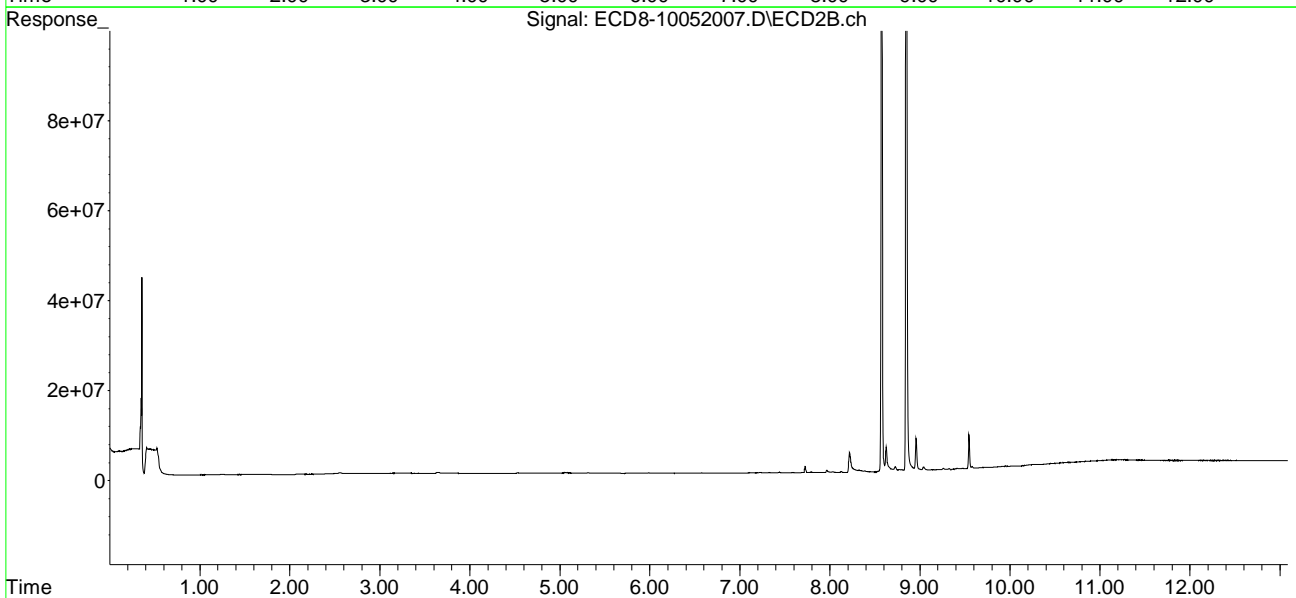
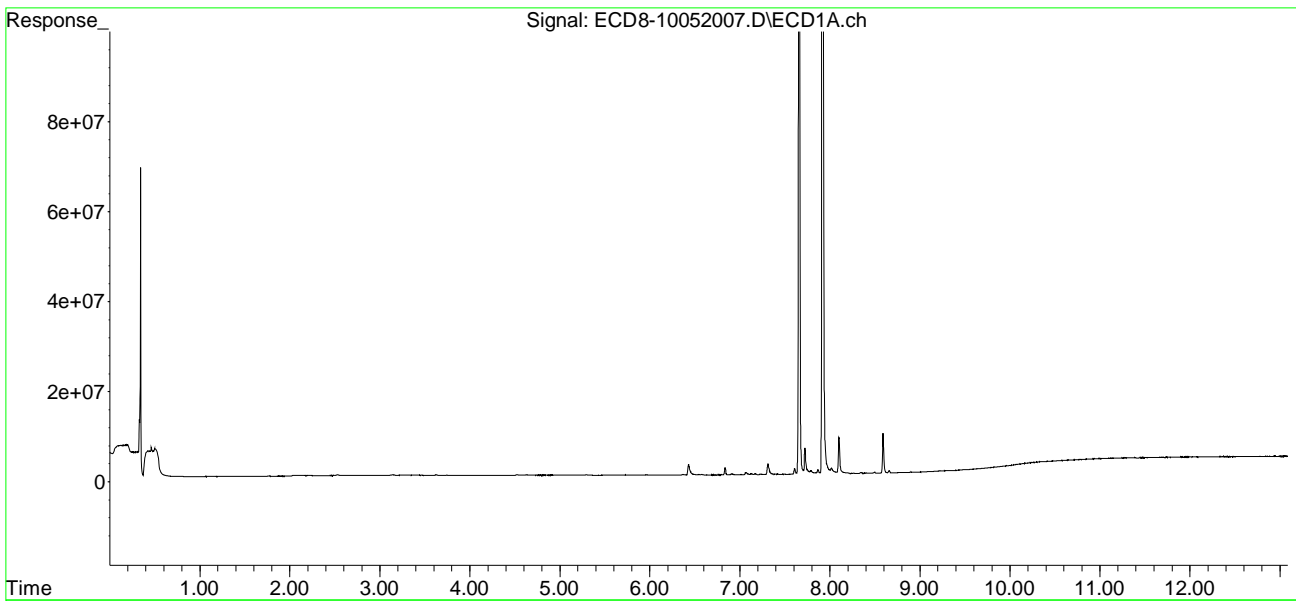
(m)=manual int.

Replaced siltek seal, and cut about 6 inches off the guard column.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 15:22
Operator : MJB
Sample : 0J05048-BKD2
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:26:56 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 15:38
 Operator : MJB
 Sample : 0J05048-CCV3
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:33:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.126	5.866	149.2E6	131.5E6	39.964	37.474 Q-31
22) S DCBP (S)	9.307	10.386	133.8E6	107.2E6	43.903	49.768
Target Compounds						
2) a-BHC	5.657	6.466	237.0E6	230.5E6	48.132	48.533
3) g-BHC	5.938	6.782	206.3E6	203.2E6	46.630	48.489
4) b-BHC	6.013	6.848	78408414	75784545	39.493	40.199
5) Heptachlor	6.346	7.151	200.2E6	197.4E6	47.277	48.249
6) d-BHC	6.159	7.101	168.5E6	168.5E6	40.846	41.798
7) Aldrin	6.583	7.415	214.7E6	199.2E6	49.211	50.619
8) Heptachlo...	7.040	7.852	190.4E6	181.4E6	47.009	49.547
9) trans-Chl...	7.135	7.991	198.1E6	180.3E6	47.866	48.671
10) cis-Chlor...	7.232	8.098	194.3E6	179.8E6	47.370	50.679
11) Endosulfa...	7.324	8.147	198.9E6	160.6E6	52.719	48.477
12) 4,4'-DDE	7.307	8.210	168.1E6	157.6E6	41.110	42.704
13) Dieldrin	7.496	8.347	206.5E6	190.2E6	48.828	51.711
14) Endrin	7.657	8.573	163.8E6	144.2E6	54.160	54.582
15) 4,4'-DDD	7.722	8.624	128.5E6	126.6E6	38.467 Q-31	41.391
16) Endosulfa...	7.812	8.720	152.9E6	143.2E6	47.286	48.827
17) 4,4'-DDT	7.919	8.848	135.4E6	123.3E6	43.812	43.717
18) Endrin Al...	8.100	8.957	131.3E6	130.1E6	39.875	45.701
19) Endosulfa...	8.397	9.147	150.4E6	133.1E6	51.933	51.552
20) Methoxychlor	8.262	9.329	61100677	54905755	40.317	37.029
21) Endrin Ke...	8.589	9.544	170.4E6	153.2E6	73.738	79.659
23) Hexachlor...	2.895	3.563	4759	65426	BelowCal	BelowCal
24) Hexachlor...	5.505	0.000	358960	0	BelowCal	N.D.
25) Oxychlorane	6.978	7.759f	923171	247563	0.086	BelowCal #
26) 2,4'-DDE	7.040	7.991	190.4E6	180.3E6	72.895	74.253
27) trans-Non...	7.232	8.051	194.3E6	1068878	51.436	0.082 #
28) 2,4'-DDD	0.000	8.347	0	190.2E6	N.D.	87.483 #
29) 2,4'-DDT	7.604	8.573	835119	144.2E6	0.177	65.271 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 15:38
 Operator : MJB
 Sample : 0J05048-CCV3
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:33:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

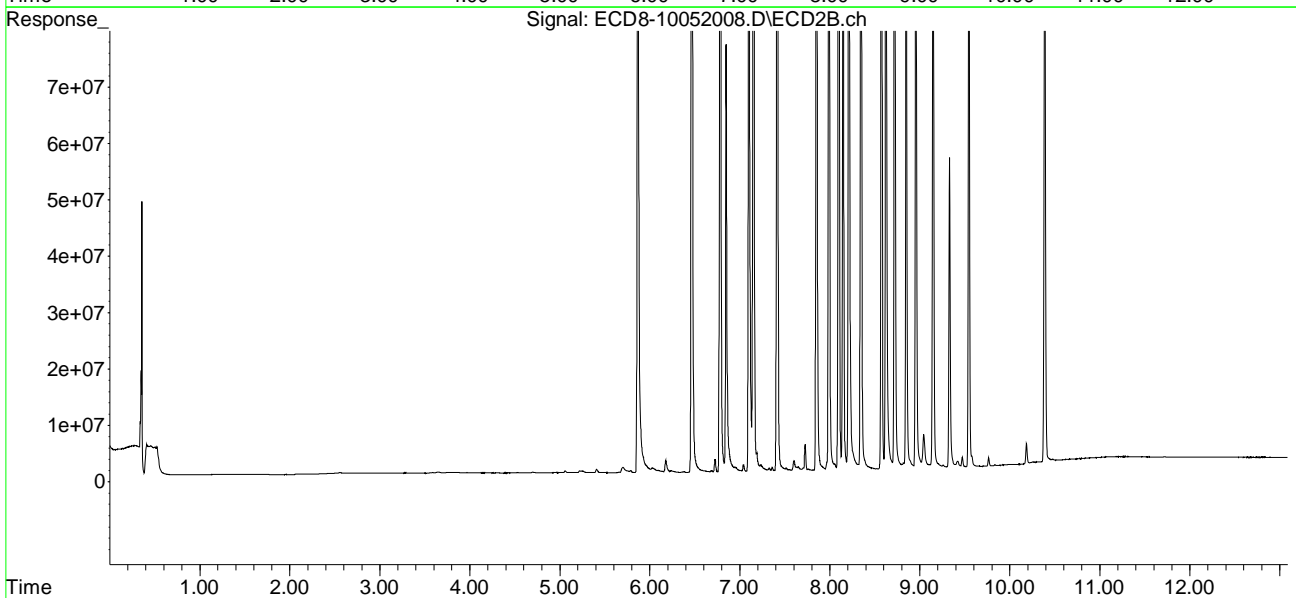
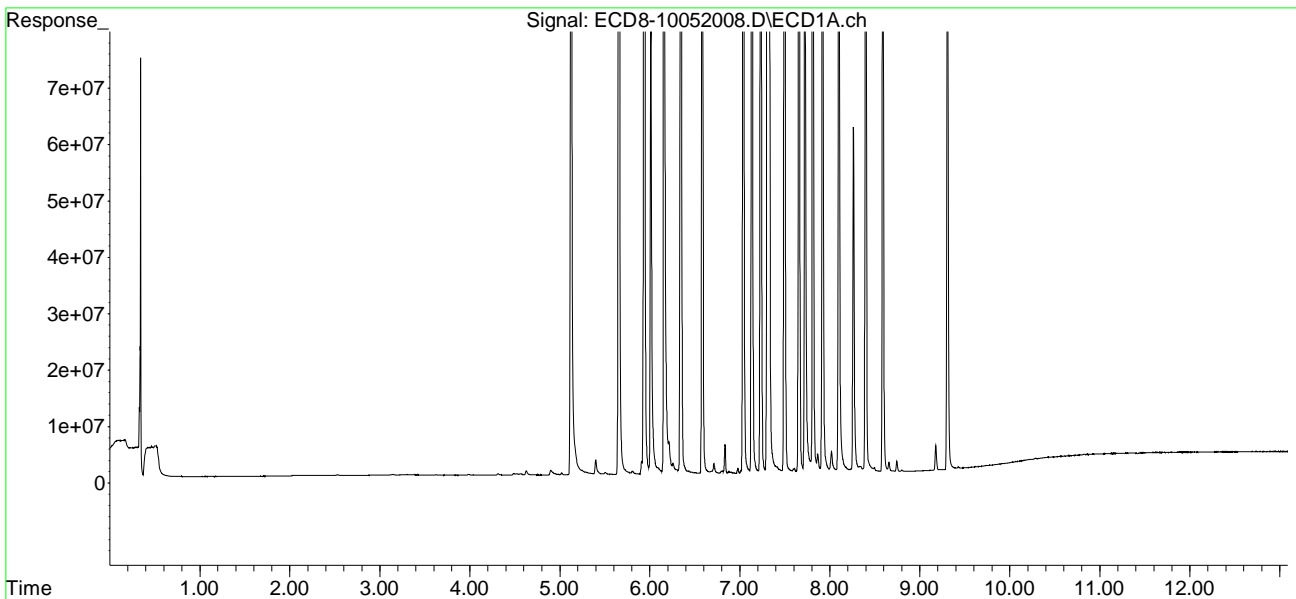
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.722f	8.624	128.5E6	126.6E6	31.327	34.502
31)	Mirex	8.341	9.544	988335	153.2E6	0.091	68.367 #
32)	Chlordane...	0.000	8.210	0	157.6E6	N.D.	356.764 #
33)	Chlordane...	7.496f	8.347	206.5E6	190.2E6	375.312	510.926 #
34)	Chlordane...	8.100f	8.957f	131.3E6	130.1E6	905.277	1085.149
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.324	0.000	198.9E6	0	11563.214	N.D. #
37)	Toxaphene...	7.604	8.794f	835119	770667	22.602	19.611
38)	Toxaphene...	7.919	8.794	135.4E6	770667	1796.650	12.187 #
39)	Toxaphene...	0.000	8.848f	0	123.3E6	N.D.	1187.287 #
40)	Toxaphene...	8.397	9.042	150.4E6	5896309	2693.152	103.853 #
41)	Toxaphene...	0.000	9.421	0	1033481	N.D.	15.962 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 15:38
Operator : MJB
Sample : 0J05048-CCV3
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:33:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 15:55
 Operator : MJB
 Sample : 0J05048-CCV4
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:34:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.102f	5.863	1327766	58431	0.356	0.017 #
22) S DCBP (S)	9.309	10.349f	100187	734303	BelowCal	0.110
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.934	6.787	140618	61922	0.032	0.015 #
4) b-BHC	6.018	6.853	116428	90292	0.059	0.048
5) Heptachlor	6.345	7.151	554791	485612	0.131	0.094 #
6) d-BHC	6.155	7.107	85566	95599	0.021	0.057 #
7) Aldrin	6.583	7.435f	24674	208249	0.006	0.048 #
8) Heptachlo...	7.057	7.890f	106.9E6	673050	26.386	0.184 #
9) trans-Chl...	0.000	7.989	0	102.6E6	N.D.	27.695 #
10) cis-Chlor...	7.226	8.095	186.9E6	2181257	45.574	0.615 #
11) Endosulfa...	7.332	8.158	499661	546984	0.132	0.165
12) 4,4'-DDE	7.311	8.207	548035	343914	0.134	0.119
13) Dieldrin	7.468f	8.360	3402774	92539608	0.805	25.162 #
14) Endrin	7.692f	8.582	198.9E6	111.6E6	65.796	43.027 #
15) 4,4'-DDD	7.692f	8.617	198.9E6	194.1E6	59.565	61.465
16) Endosulfa...	7.843f	0.000	233143	0	0.072	N.D. #
17) 4,4'-DDT	7.920	8.848	163252	102024	0.053	0.024 #
18) Endrin Al...	8.105	8.961	284610	288644	0.086	0.101
19) Endosulfa...	8.394	9.148	634958	49822	0.219	BelowCal #
20) Methoxychlor	8.263	9.333	20639	66137	0.014	0.045 #
21) Endrin Ke...	8.600	9.533	500850	120.9E6	0.217	64.688 #
23) Hexachlor...	2.908	3.567	178.2E6	224.4E6	51.142	57.266
24) Hexachlor...	5.505	6.332	140.2E6	127.5E6	38.988	36.956
25) Oxychlorane	6.969	7.781	170.7E6	155.1E6	49.800	50.901
26) 2,4'-DDE	7.057	7.989	106.9E6	102.6E6	41.190	43.826
27) trans-Non...	7.226	8.054	186.9E6	174.5E6	49.482	51.523
28) 2,4'-DDD	7.425	8.360	92453240	92539608	40.934	44.778
29) 2,4'-DDT	7.607	8.582	114.4E6	111.6E6	48.386	51.415

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 15:55
 Operator : MJB
 Sample : 0J05048-CCV4
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:34:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

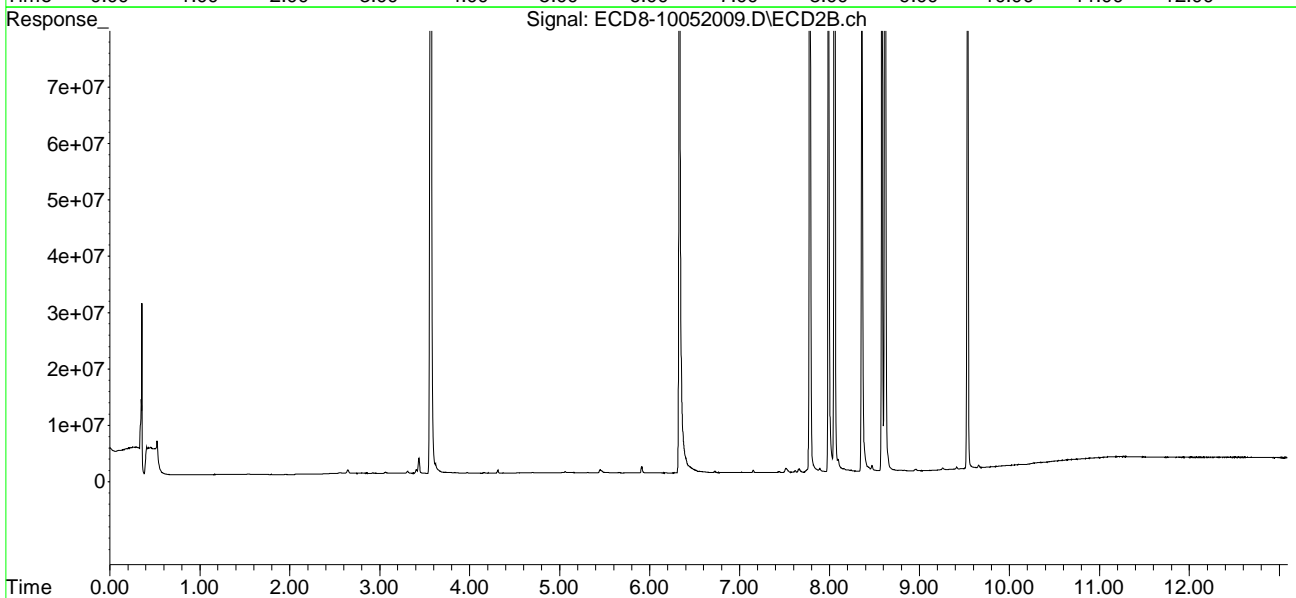
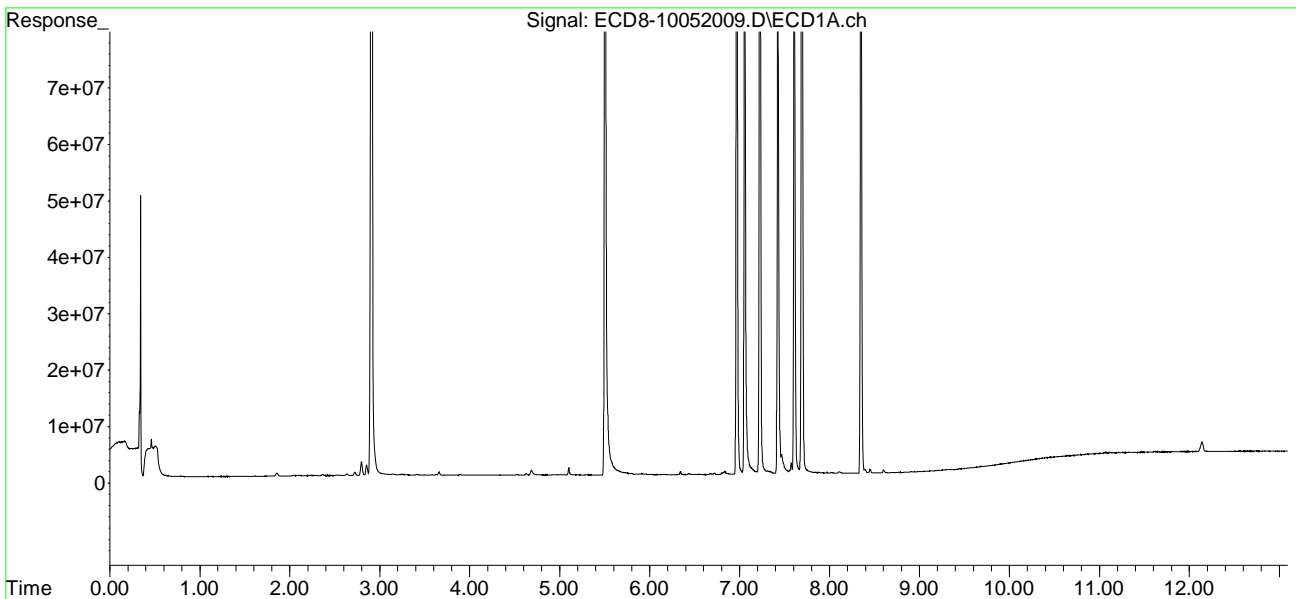
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.692	8.617	198.9E6	194.1E6	48.482	51.948
31)	Mirex	8.350	9.533	125.4E6	120.9E6	47.817	54.511
32)	Chlordane...	7.425	8.238	92453240	300578	204.365	0.680 #
33)	Chlordane...	0.000	8.360f	0	92539608	N.D.	248.610 #
34)	Chlordane...	8.105f	9.001	284610	28999	1.962	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.311	0.000	548035	0	31.859	N.D. #
37)	Toxaphene...	7.607	8.774	114.4E6	171598	3623.367	4.367 #
38)	Toxaphene...	7.920	8.801	163252	155340	2.167	2.456
39)	Toxaphene...	8.156	8.848f	60416	102024	BelowCal	BelowCal
40)	Toxaphene...	8.394	9.059	634958	37657	11.369	0.663 #
41)	Toxaphene...	8.451	9.413	663753	398328	8.634	6.152 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 15:55
Operator : MJB
Sample : 0J05048-CCV4
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:34:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:12
 Operator : MJB
 Sample : 0J05048-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:35:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.126	5.866	300.9E6	273.6E6	80.619	77.937
22) S DCBP (S)	9.307	10.386	264.1E6	219.6E6	86.705	97.960
Target Compounds						
2) a-BHC	5.665	0.000	27591	0	0.006	N.D. #
3) g-BHC	5.958f	0.000	45380	0	0.010	N.D. #
4) b-BHC	0.000	6.853	0	8726	N.D.	0.005 #
5) Heptachlor	0.000	7.135	0	4996	N.D.	BelowCal
6) d-BHC	6.154	7.110	15210	46297	0.004	0.044 #
7) Aldrin	6.547f	7.397	30102	10923	0.007	BelowCal #
8) Heptachlo...	0.000	7.848	0	10948	N.D.	0.003 #
9) trans-Chl...	7.126	7.994	173676	9837	0.042	0.003 #
10) cis-Chlor...	7.243	8.101	61722	24942	0.015	0.007 #
11) Endosulfa...	0.000	8.128	0	13453	N.D.	0.004 #
12) 4,4'-DDE	7.276f	8.213	35895	8625	0.009	0.021 #
13) Dieldrin	7.476	8.351	11531	13599	0.003	0.004 #
14) Endrin	0.000	8.582	0	34284	N.D.	BelowCal
15) 4,4'-DDD	7.737	8.621	18249	20849	0.005	0.015 #
16) Endosulfa...	7.812	8.718	41532	15318	0.013	0.005 #
17) 4,4'-DDT	7.916	8.837	26049	24634	0.008	BelowCal #
18) Endrin Al...	8.105	8.957	115630	73616	0.035	0.026 #
19) Endosulfa...	8.400	9.149	63651	36963	0.022	BelowCal #
20) Methoxychlor	8.262	9.328	55829	35762	0.037	0.024 #
21) Endrin Ke...	8.602	9.547	476582	119729	0.206	BelowCal #
23) Hexachlor...	0.000	3.567	0	5936	N.D.	BelowCal
24) Hexachlor...	5.506	6.361f	522336	156941	BelowCal	BelowCal
25) Oxychlorane	0.000	7.759f	0	19631	N.D.	BelowCal
26) 2,4'-DDE	7.086f	7.994	34332	9837	BelowCal	BelowCal
27) trans-Non...	7.215	8.035	9502	93317	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.363	0	13675	N.D.	BelowCal
29) 2,4'-DDT	7.586f	8.582	24063	34284	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:12
 Operator : MJB
 Sample : 0J05048-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:35:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

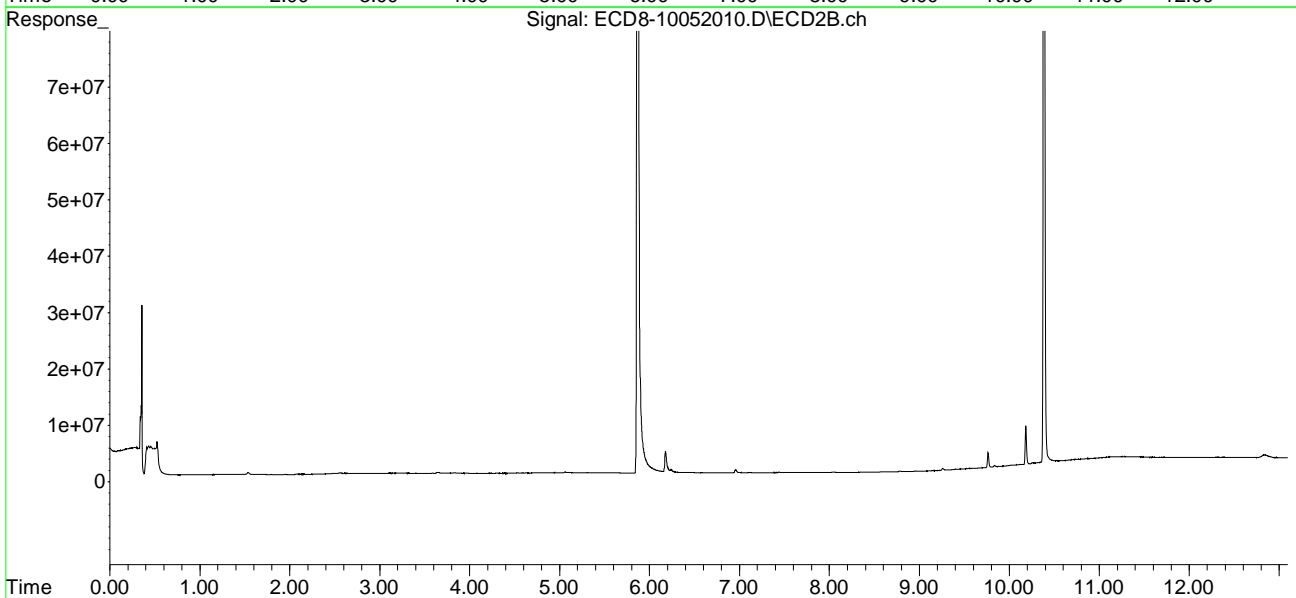
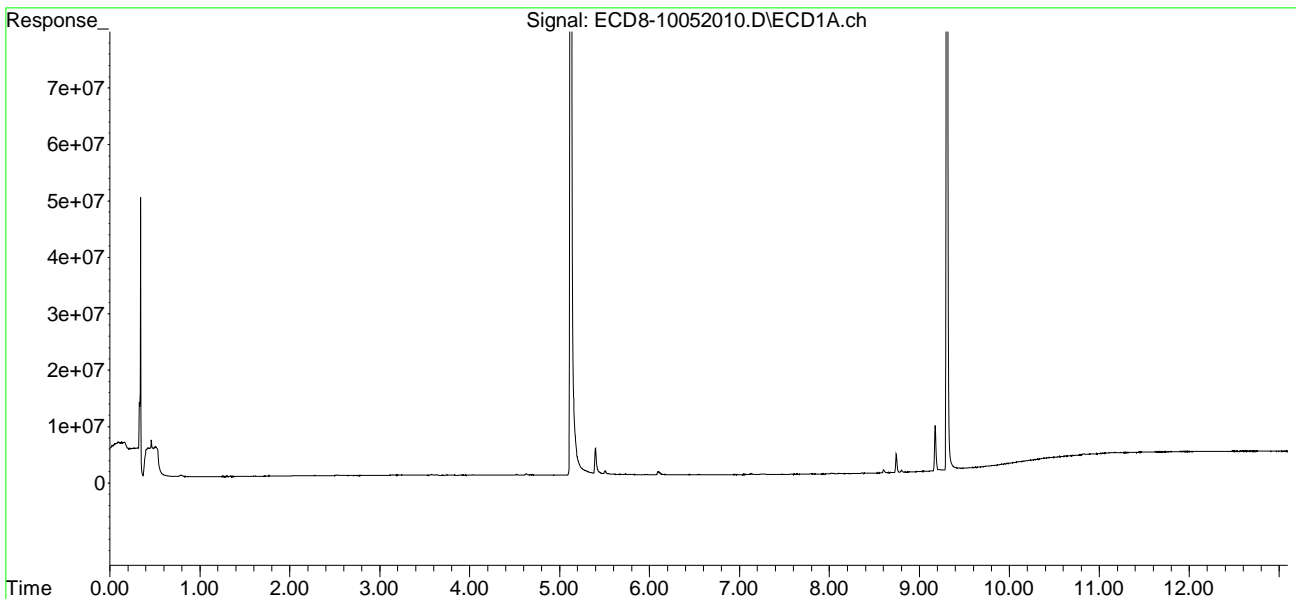
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.621	0	20849	N.D.	BelowCal
31)	Mirex	8.345	9.547	32168	119729	14904.441	BelowCal #
32)	Chlordane...	0.000	8.218	0	7685	N.D.	0.017 #
33)	Chlordane...	0.000	8.340	0	9714	N.D.	0.026 #
34)	Chlordane...	8.063	9.002	59009	13750	0.407	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.418	0	13384	N.D.	0.443 #
37)	Toxaphene...	7.586f	8.779	24063	93050	125254.708	2.368 #
38)	Toxaphene...	7.916	8.821	26049	24369	0.346	0.385
39)	Toxaphene...	8.133f	8.866	69984	32961	BelowCal	BelowCal
40)	Toxaphene...	8.378	9.052	38911	10709	0.697	0.189 #
41)	Toxaphene...	8.446	9.438	37141	64533	0.483	0.997 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 16:12
Operator : MJB
Sample : 0J05048-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:35:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:28
 Operator : MJB
 Sample : 0100091-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:42:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.125	5.865	115.5E6	113.6E6	30.956	32.348
22) S DCBP (S)	9.306	10.385	132.4E6	111.6E6	43.436	51.733
Target Compounds						
2) a-BHC	5.659	6.438f	564439	455403	0.115	0.144 #
3) g-BHC	5.958f	6.784	1279817	633589	0.289	0.163 #
4) b-BHC	6.029	6.821f	839633	653864	0.423	0.347
5) Heptachlor	6.347	7.148	1247105	774522	0.295	0.169 #
6) d-BHC	6.151	7.077f	1086158	993373	0.263	0.294
7) Aldrin	6.593	7.392f	711545	946637	0.163	0.250 #
8) Heptachlo...	7.035	7.866	411437	1375274	0.102	0.376 #
9) trans-Chl...	7.133	7.986	384481	999450	0.093	0.270 #
10) cis-Chlor...	7.218	8.125f	491541	930551	0.120	0.262 #
11) Endosulfa...	0.000	8.125f	0	930551	N.D.	0.281 #
12) 4,4'-DDE	7.282f	8.215	592043	401128	0.145	0.135
13) Dieldrin	0.000	8.341	0	419476	N.D.	0.114 #
14) Endrin	7.644	8.581	180067	109273	0.060	0.011 #
15) 4,4'-DDD	7.707	8.616	203645	86972	0.061	0.038 #
16) Endosulfa...	7.794	8.717	795219	217413	0.246	0.074 #
17) 4,4'-DDT	7.921	8.847	664458	225072	0.215	0.072 #
18) Endrin Al...	8.099	8.971	397933	47084	0.121	0.017 #
19) Endosulfa...	8.367f	9.109f	63324	104771	0.022	BelowCal #
20) Methoxychlor	8.261	9.328	499518	509540	0.330	0.344
21) Endrin Ke...	8.572	9.543	307890	895039	0.133	0.438 #
23) Hexachlor...	2.910	3.538f	678085	51745601	BelowCal	13.620
24) Hexachlor...	5.501	6.345	913508	375142	0.028	BelowCal #
25) Oxychlorane	6.936f	7.771	519105	1411507	104477.199	0.254 #
26) 2,4'-DDE	7.049	7.986	346963	999450	BelowCal	0.248
27) trans-Non...	7.218	8.033f	491541	8635650	BelowCal	2.464
28) 2,4'-DDD	7.446f	8.341	295527	419476	BelowCal	0.004
29) 2,4'-DDT	7.605	8.581	268333	109273	BelowCal	BelowCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:28
 Operator : MJB
 Sample : 0100091-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:42:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

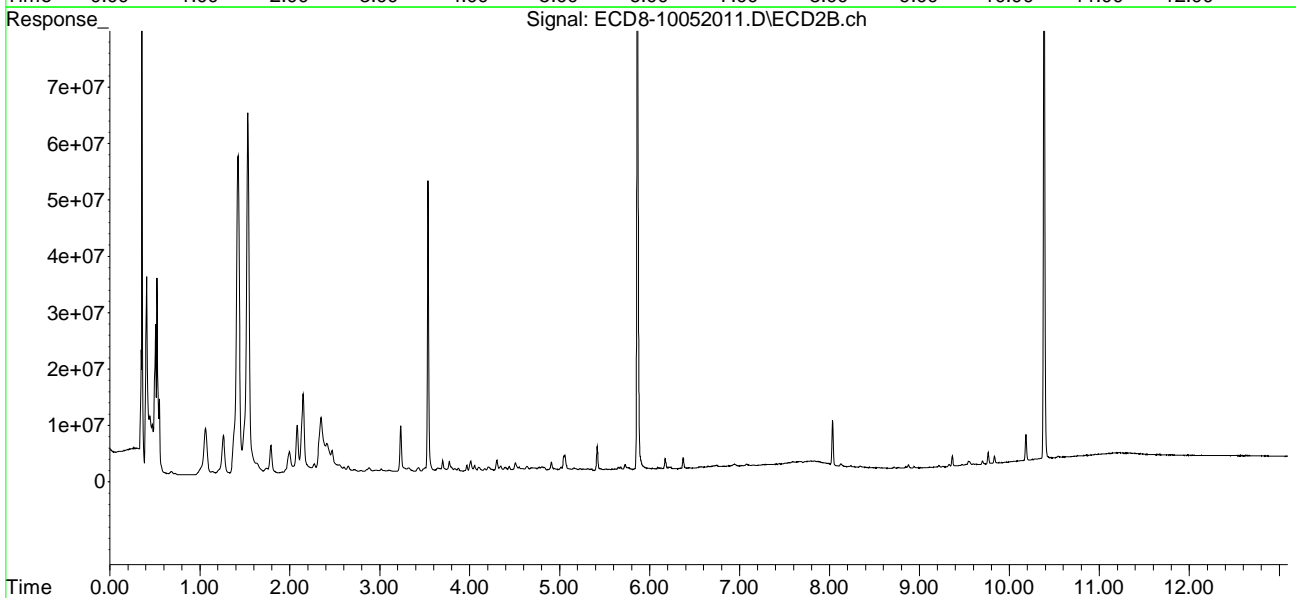
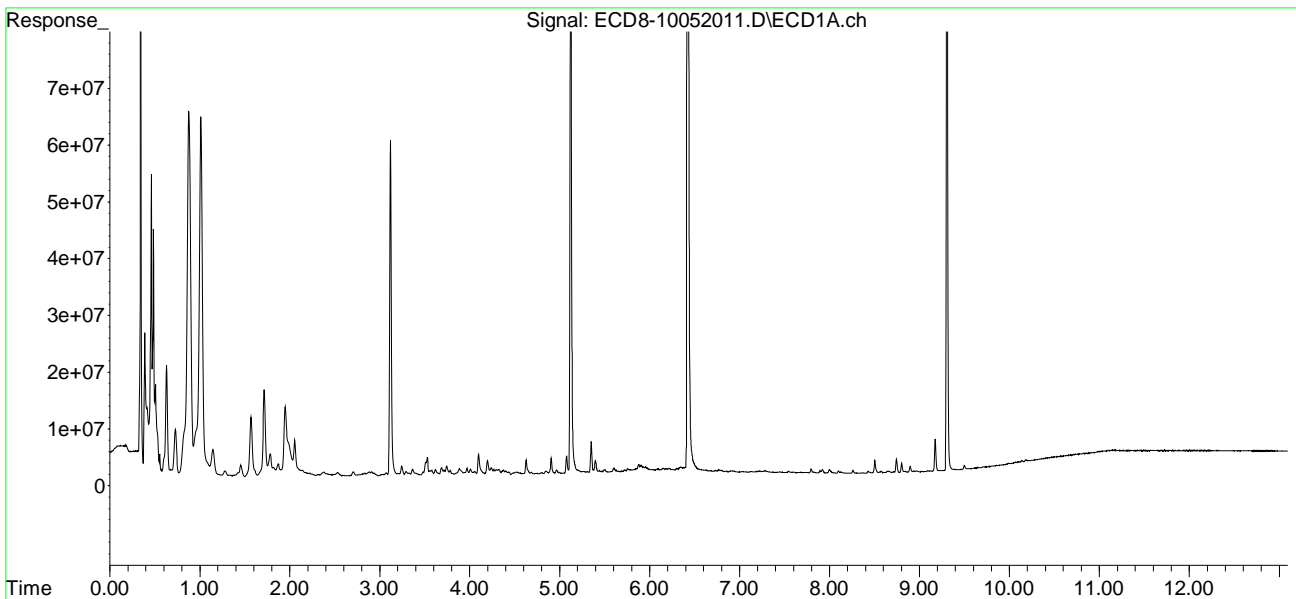
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.681	8.616	214525	86972	BelowCal	BelowCal
31)	Mirex	8.367	9.543	63324	895039	14904.429	0.011 #
32)	Chlordane...	7.446	8.236	295527	547465	0.653	1.239 #
33)	Chlordane...	7.542	8.341	412381	419476	0.750	1.127 #
34)	Chlordane...	8.099f	9.003	397933	21809	2.744	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.282f	8.439	592043	180097	34.417	5.956 #
37)	Toxaphene...	7.605	8.767	268333	135778	5.148	3.455 #
38)	Toxaphene...	7.921	8.820	664458	40081	8.818	0.634 #
39)	Toxaphene...	8.151	8.877	104259	577973	BelowCal	BelowCal
40)	Toxaphene...	8.367	9.065	63324	41238	1.134	0.726 #
41)	Toxaphene...	8.429	9.417	343094	191319	4.463	2.955 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 16:28
Operator : MJB
Sample : 0100091-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

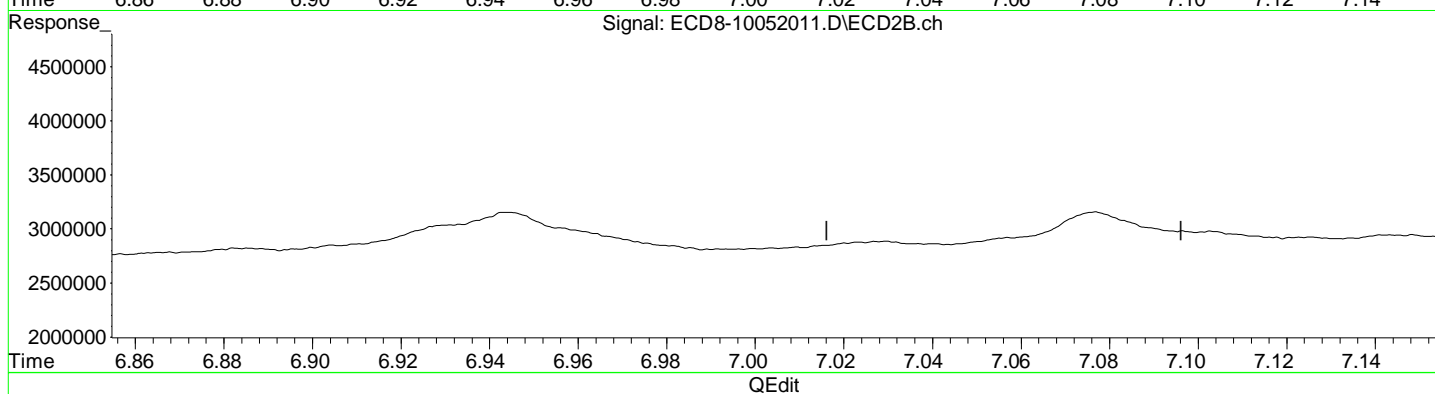
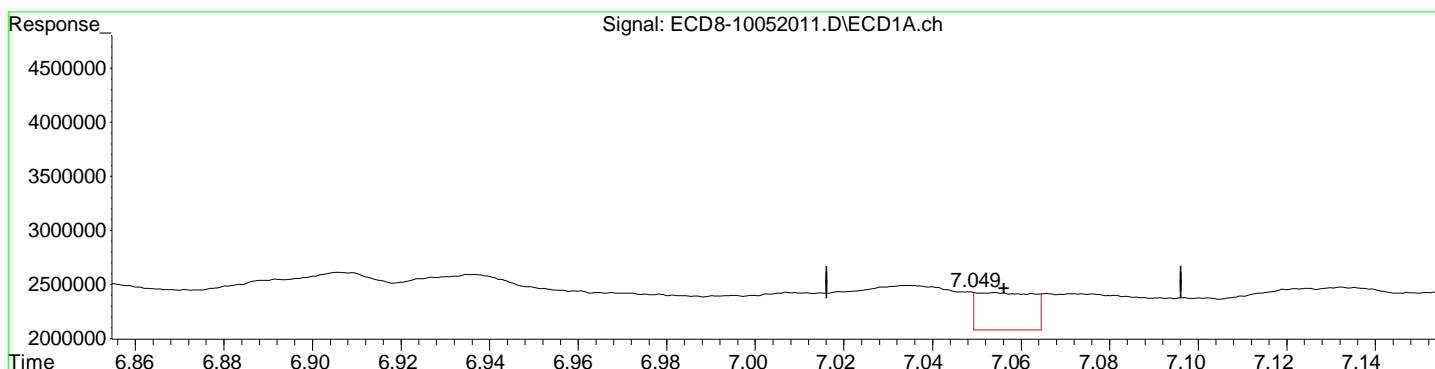
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:42:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 16:28
Operator : MJB
Sample : 0100091-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:42:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.049min -0.044 ng/mL m
response 346963

MJB 10/5/20

(26) 2,4'-DDE #2
7.986min 0.248 ng/mL
response 999450

MI

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:28
 Operator : MJB
 Sample : 0100091-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:42:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.125	5.865	115.5E6	113.6E6	30.956	32.348
22) S DCBP (S)	9.306	10.385	132.4E6	111.6E6	43.436	51.733
Target Compounds						
2) a-BHC	5.659	6.438f	564439	455403	0.115	0.144 #
3) g-BHC	5.958f	6.784	1279817	633589	0.289	0.163 #
4) b-BHC	6.029	6.821f	839633	653864	0.423	0.347
5) Heptachlor	6.347	7.148	1247105	774522	0.295	0.169 #
6) d-BHC	6.151	7.077f	1086158	993373	0.263	0.294
7) Aldrin	6.593	7.392f	711545	946637	0.163	0.250 #
8) Heptachlo...	7.035	7.866	411437	1375274	0.102	0.376 #
9) trans-Chl...	7.133	7.986	384481	999450	0.093	0.270 #
10) cis-Chlor...	7.218	8.125f	491541	930551	0.120	0.262 #
11) Endosulfa...	0.000	8.125f	0	930551	N.D.	0.281 #
12) 4,4'-DDE	7.282f	8.215	592043	401128	0.145	0.135
13) Dieldrin	0.000	8.341	0	419476	N.D.	0.114 #
14) Endrin	7.644	8.581	180067	109273	0.060	0.011 #
15) 4,4'-DDD	7.707	8.616	203645	86972	0.061	0.038 #
16) Endosulfa...	7.794	8.717	795219	217413	0.246	0.074 #
17) 4,4'-DDT	7.921	8.847	664458	225072	0.215	0.072 #
18) Endrin Al...	8.099	8.971	397933	47084	0.121	0.017 #
19) Endosulfa...	8.367f	9.109f	63324	104771	0.022	BelowCal #
20) Methoxychlor	8.261	9.328	499518	509540	0.330	0.344
21) Endrin Ke...	8.572	9.543	307890	895039	0.133	0.438 #
23) Hexachlor...	2.910	3.538f	678085	51745601	BelowCal	13.620
24) Hexachlor...	5.501	6.345	913508	375142	0.028	BelowCal #
25) Oxychlorane	6.936f	7.771	519105	1411507	104477.199	0.254 #
26) 2,4'-DDE	7.065	7.986	330222	999450	BelowCal	0.248
27) trans-Non...	7.218	8.033f	491541	8635650	BelowCal	2.464
28) 2,4'-DDD	7.446f	8.341	295527	419476	BelowCal	0.004
29) 2,4'-DDT	7.605	8.581	268333	109273	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:28
 Operator : MJB
 Sample : 0100091-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 16:42:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

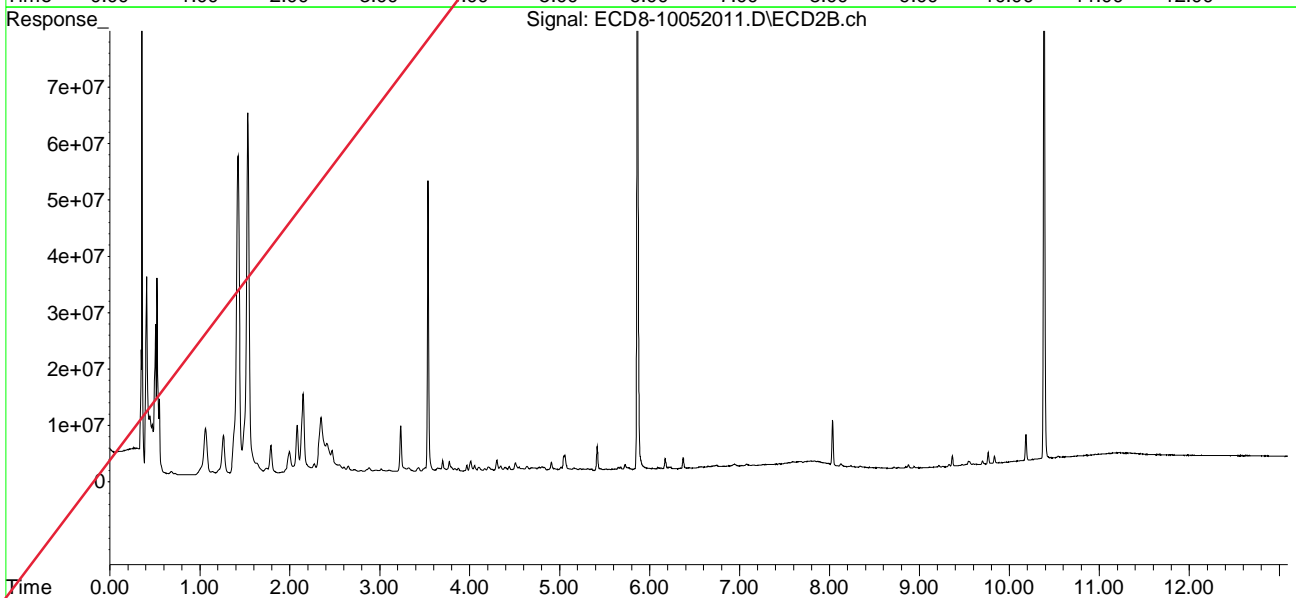
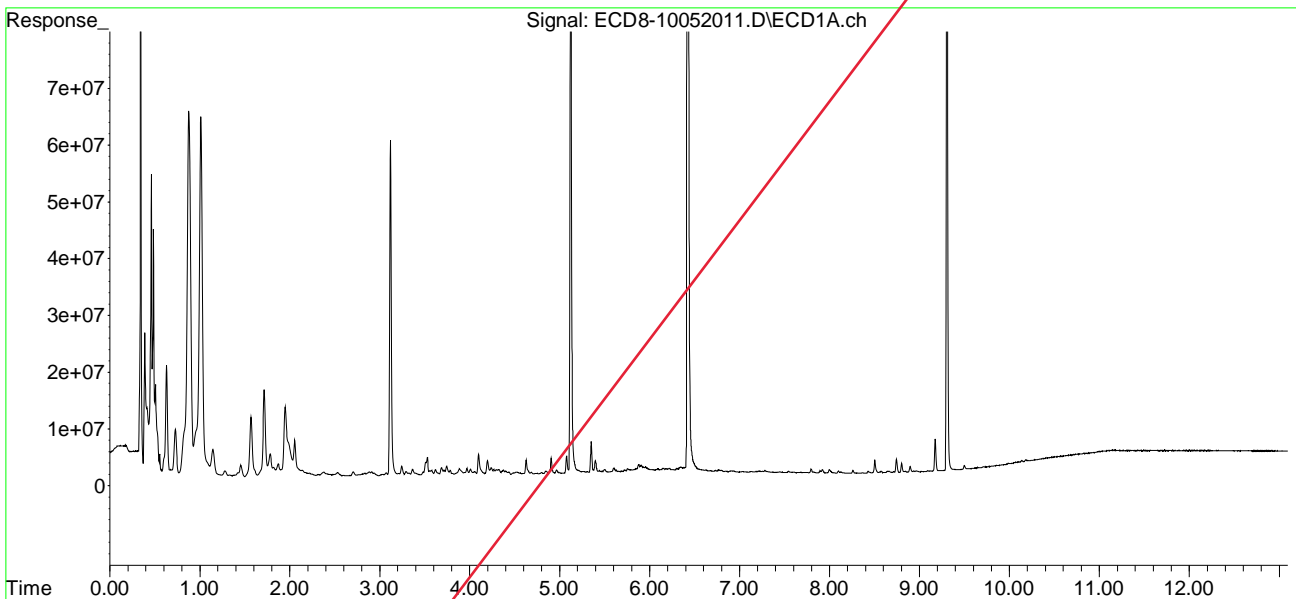
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.681	8.616	214525	86972	BelowCal	BelowCal
31)	Mirex	8.367	9.543	63324	895039	14904.429	0.011 #
32)	Chlordane...	7.446	8.236	295527	547465	0.653	1.239 #
33)	Chlordane...	7.542	8.341	412381	419476	0.750	1.127 #
34)	Chlordane...	8.099f	9.003	397933	21809	2.744	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.282f	8.439	592043	180097	34.417	5.956 #
37)	Toxaphene...	7.605	8.767	268333	135778	5.148	3.455 #
38)	Toxaphene...	7.921	8.820	664458	40081	8.818	0.634 #
39)	Toxaphene...	8.151	8.877	104259	577973	BelowCal	BelowCal
40)	Toxaphene...	8.367	9.065	63324	41238	1.134	0.726 #
41)	Toxaphene...	8.429	9.417	343094	191319	4.463	2.955 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 16:28
Operator : MJB
Sample : 0100091-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 16:42:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:45
 Operator : MJB
 Sample : 0100091-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 17:07:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.125	5.864	134.5E6	131.3E6	36.033	37.413
22) S DCBP (S)	9.306	10.385	142.4E6	126.5E6	46.734	58.306
Target Compounds						
2) a-BHC	5.657	6.480	272097	174813	0.055	0.080 #
3) g-BHC	5.955	6.781	416981	286703	0.094	0.073
4) b-BHC	6.032	6.823f	393470	315454	0.198	0.167
5) Heptachlor	6.339	7.145	707751	373367	0.167	0.064 #
6) d-BHC	6.158	7.077f	492981	570088	0.120	0.183 #
7) Aldrin	6.598	7.390f	469719	375884	0.108	0.094
8) Heptachlo...	7.055	7.865	102.8E6	543518	25.380	0.148 #
9) trans-Chl...	7.164f	7.987	513832	100.3E6	0.124	27.066 #
10) cis-Chlor...	7.217	8.123f	474749	866911	0.116	0.244 #
11) Endosulfa...	7.305	8.123f	162.8E6	866911	43.161	0.262 #
12) 4,4'-DDE	7.305	8.208	162.8E6	154.3E6	39.834	41.869
13) Dieldrin	7.471f	8.358	2633217	91422191	0.623	24.858 #
14) Endrin	0.000	8.581	0	110.4E6	N.D.	42.575 #
15) 4,4'-DDD	7.719	8.622	136.2E6	126.6E6	40.776	41.400
16) Endosulfa...	7.791f	8.713	1217980	377157	0.377	0.129 #
17) 4,4'-DDT	7.917	8.847	157.0E6	143.2E6	50.802	50.131
18) Endrin Al...	8.098	8.938	472299	376876	0.143	0.132
19) Endosulfa...	8.368f	9.108f	54603	62976	0.019	BelowCal #
20) Methoxychlor	8.260	9.329	381750	351324	0.252	0.237
21) Endrin Ke...	8.602	9.541	37404	1024070	0.016	0.517 #
23) Hexachlor...	2.908	3.537f	734864	70485947	BelowCal	18.541
24) Hexachlor...	5.502	6.344	633746	285312	BelowCal	BelowCal
25) Oxychlorane	6.960	7.750f	287881	783663	104477.267	0.035 #
26) 2,4'-DDE	7.055	7.987	102.8E6	100.3E6	39.629	42.880
27) trans-Non...	7.217	8.034	474749	3911654	BelowCal	0.979
28) 2,4'-DDD	7.422	8.358	100.9E6	91422191	44.660	44.264
29) 2,4'-DDT	7.605	8.581	118.6E6	110.4E6	50.138	50.874

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 16:45
 Operator : MJB
 Sample : 0100091-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 17:07:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

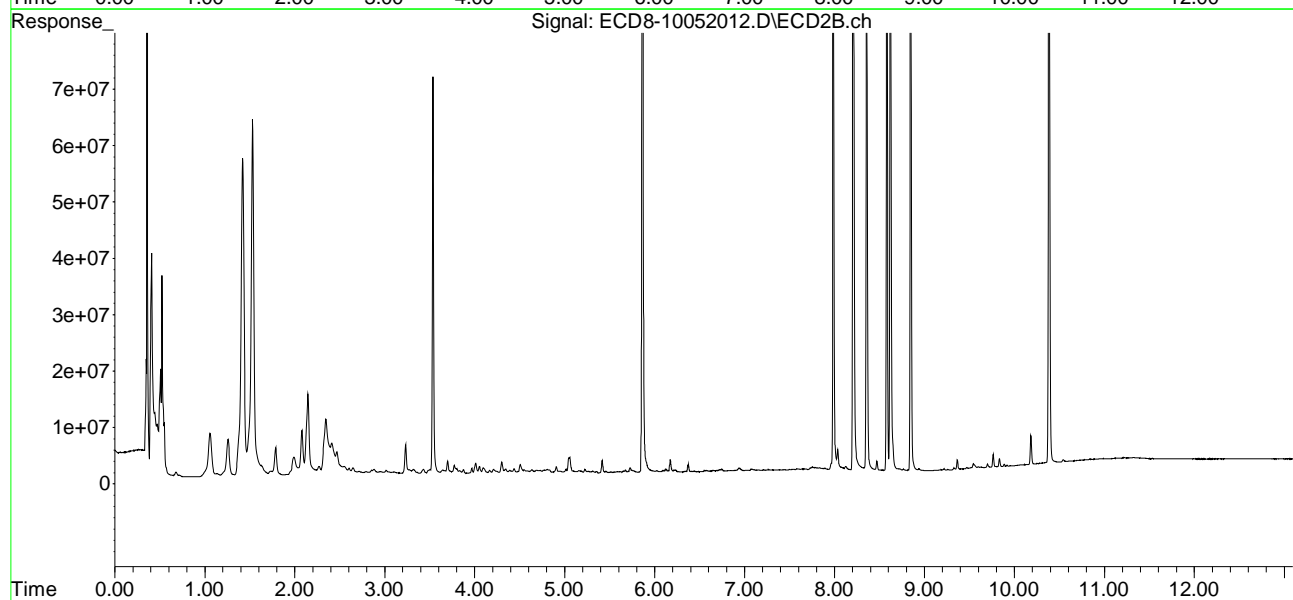
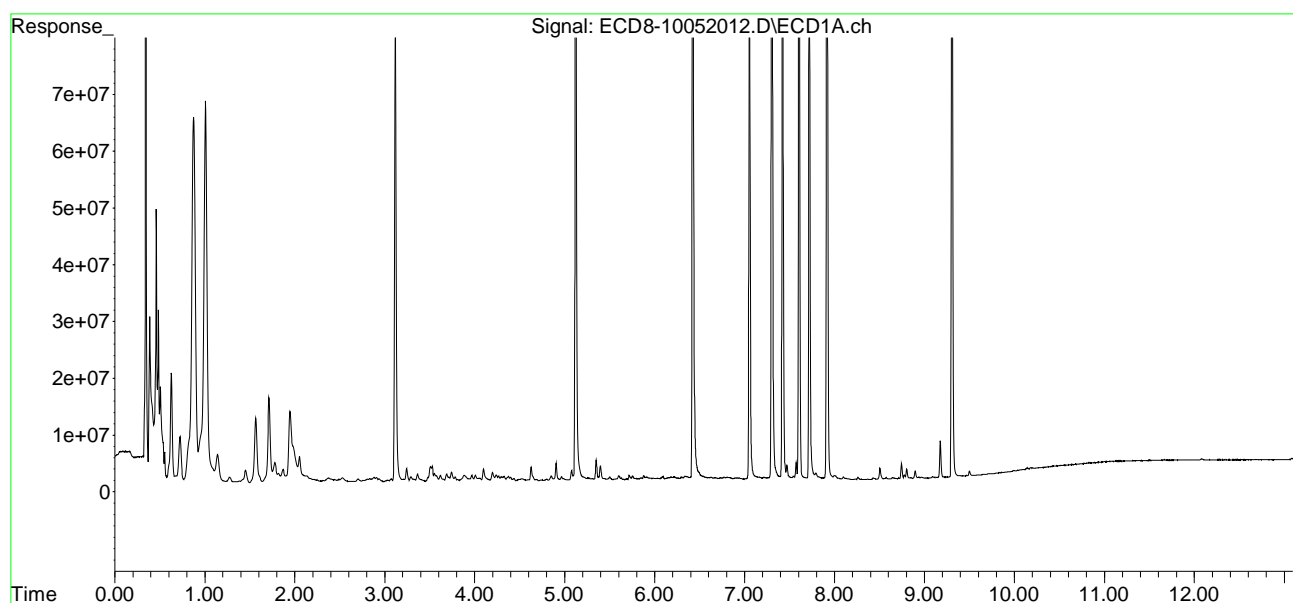
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.719f	8.622	136.2E6	126.6E6	33.209	34.510
31)	Mirex	8.368	9.541	54603	1024070	14904.433	0.073 #
32)	Chlordane...	7.422	8.208	100.9E6	154.3E6	223.025	349.305 #
33)	Chlordane...	7.541	8.358f	626861	91422191	1.139	245.608 #
34)	Chlordane...	8.098f	0.000	472299	0	3.256	N.D. #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.305	0.000	162.8E6	0	9466.845	N.D. #
37)	Toxaphene...	7.605	8.764	118.6E6	295691	3760.713	7.525 #
38)	Toxaphene...	7.917	8.764f	157.0E6	295691	2083.315	4.676 #
39)	Toxaphene...	8.156	8.847f	135181	143.2E6	BelowCal	1356.970
40)	Toxaphene...	8.368	9.043	54603	31221	0.978	0.550 #
41)	Toxaphene...	8.429	9.414	279569	147435	3.637	2.277 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 16:45
Operator : MJB
Sample : 0100091-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 17:07:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 18:24
 Operator : MJB
 Sample : 0J05048-CCV5
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 18:38:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.125	5.865	338.6E6	320.7E6	90.709	91.359
22) S DCBP (S)	9.304	10.384	269.0E6	243.2E6	88.295	107.627
Target Compounds						
2) a-BHC	5.656	6.465	514.8E6	520.3E6	104.539	101.656
3) g-BHC	5.937	6.781	444.4E6	475.2E6	100.476	104.141
4) b-BHC	6.011	6.847	171.1E6	182.0E6	86.197	96.545
5) Heptachlor	6.345	7.151	423.0E6	465.1E6	99.906	105.137
6) d-BHC	6.157	7.099	379.2E6	402.4E6	91.936	92.929
7) Aldrin	6.582	7.414	420.7E6	438.8E6	96.411	103.694
8) Heptachlo...	7.038	7.850	392.7E6	394.3E6	96.972	107.716
9) trans-Chl...	7.134	7.990	410.8E6	407.2E6	99.273	109.898
10) cis-Chlor...	7.231	8.097	403.6E6	399.3E6	98.405	112.541
11) Endosulfa...	7.323	8.146	401.7E6	362.8E6	106.461	109.520
12) 4,4'-DDE	7.305	8.208	371.3E6	366.5E6	90.829	91.811
13) Dieldrin	7.495	8.346	434.2E6	410.2E6	102.676	111.533
14) Endrin	7.656	8.572	341.5E6	324.9E6	112.953	112.666
15) 4,4'-DDD	7.720	8.622	297.1E6	311.1E6	88.964	93.836
16) Endosulfa...	7.809	8.719	332.1E6	325.0E6	102.698	110.776
17) 4,4'-DDT	7.916	8.847	299.7E6	285.5E6	97.002	92.187
18) Endrin Al...	8.098	8.956	288.1E6	280.2E6	87.499	98.442
19) Endosulfa...	8.396	9.146	320.7E6	305.2E6	110.724	108.759
20) Methoxychlor	8.260	9.326	137.4E6	133.5E6	90.654	90.041
21) Endrin Ke...	8.587	9.542	388.9E6	349.2E6	168.243	158.378
23) Hexachlor...	0.000	3.588f	0	34069	N.D.	BelowCal
24) Hexachlor...	5.502	0.000	720397	0	BelowCal	N.D.
25) Oxychlorane	6.976	7.786	1767579	141566	0.333	BelowCal #
26) 2,4'-DDE	7.038	7.990	392.7E6	407.2E6	147.589	152.950
27) trans-Non...	7.231	8.050	403.6E6	1771100	106.817	0.304 #
28) 2,4'-DDD	0.000	8.346	0	410.2E6	N.D.	171.515 #
29) 2,4'-DDT	7.604	8.572	1117152	324.9E6	0.299	134.950 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 18:24
 Operator : MJB
 Sample : 0J05048-CCV5
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 18:38:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

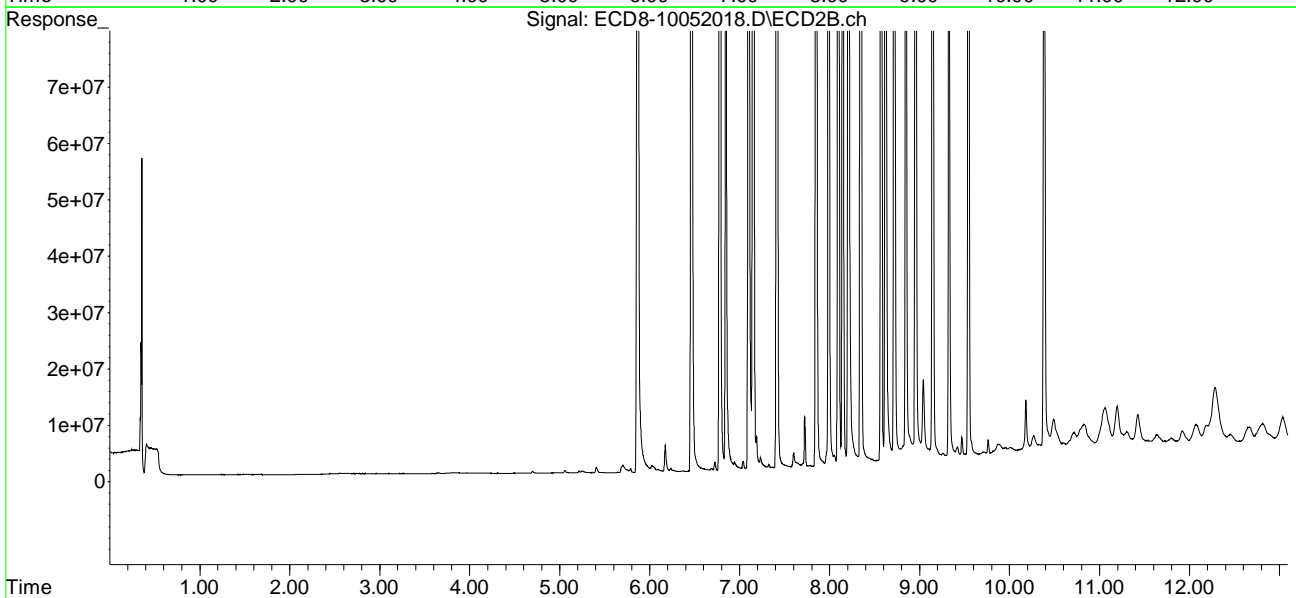
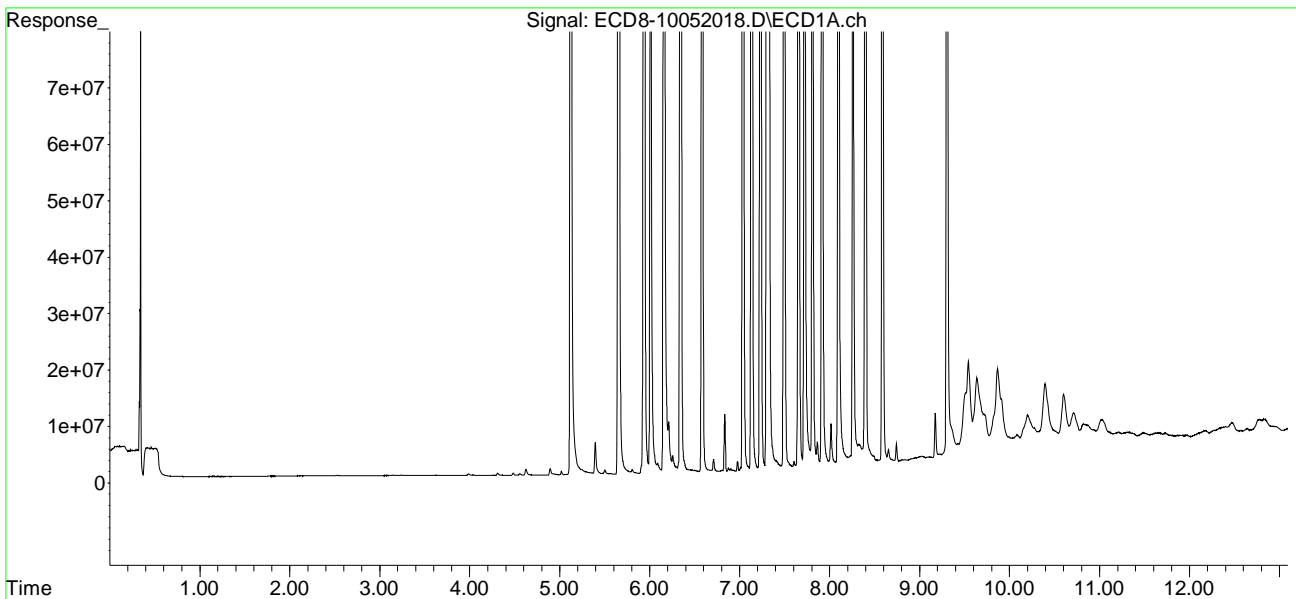
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.720f	8.622	297.1E6	311.1E6	72.241	80.800
31)	Mirex	8.338	9.542	3264534	349.2E6	0.962	146.949 #
32)	Chlordane...	0.000	8.208	0	366.5E6	N.D.	829.617 #
33)	Chlordane...	7.495f	8.346	434.2E6	410.2E6	789.207	1101.993 #
34)	Chlordane...	8.098f	0.000	288.1E6	0	1986.480	N.D. #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.323	8.444f	401.7E6	873019	23350.612	28.872 #
37)	Toxaphene...	7.604	0.000	1117152	0	31.289	N.D. #
38)	Toxaphene...	7.916	8.816	299.7E6	2758464	3977.894	43.621 #
39)	Toxaphene...	0.000	8.847f	0	285.5E6	N.D.	2447.221 #
40)	Toxaphene...	8.396	9.041	320.7E6	14214680	5741.961	250.366 #
41)	Toxaphene...	0.000	9.420	0	2000697	N.D.	30.900 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 18:24
Operator : MJB
Sample : 0J05048-CCV5
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 18:38:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 18:41
 Operator : MJB
 Sample : 0J05048-CCV6
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/5/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 18:55:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.100f	5.865	2571545	42936	0.689	0.012 #
22) S DCBP (S)	9.302	10.406f	494637	1206573	BelowCal	0.340
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.956	6.782	131502	31836	0.030	0.007 #
4) b-BHC	6.015	6.854	136483	103062	0.069	0.055
5) Heptachlor	6.344	7.150	917015	770023	0.217	0.168
6) d-BHC	6.163	7.108	104808	67996	0.025	0.050 #
7) Aldrin	6.579	7.433	28734	397548	0.007	0.100 #
8) Heptachlo...	7.055	7.888f	222.9E6	1004120	55.039	0.274 #
9) trans-Chl...	0.000	7.986	0	219.5E6	N.D.	59.234 #
10) cis-Chlor...	7.224	8.095	389.7E6	3477779	95.029	0.980 #
11) Endosulfa...	7.330	8.158	604485	657597	0.160	0.199
12) 4,4'-DDE	7.308	8.190	843193	383169	0.206	0.130 #
13) Dieldrin	7.467f	8.358	6237215	205.2E6	1.475	55.806 #
14) Endrin	7.689f	8.580	424.5E6	239.2E6	140.392	86.242 #
15) 4,4'-DDD	7.689f	8.616	424.5E6	421.2E6	127.097	121.974
16) Endosulfa...	7.841f	0.000	239100	0	0.074	N.D. #
17) 4,4'-DDT	7.917	8.875f	124081	1630830	0.040	0.618 #
18) Endrin Al...	8.102	8.958	155075	1777578	0.047	0.624 #
19) Endosulfa...	8.390	0.000	1126742	0	0.389	N.D. #
20) Methoxychlor	8.246	9.338	7436	157920	0.005	0.107 #
21) Endrin Ke...	8.599	9.531	654621	250.2E6	0.283	120.871 #
23) Hexachlor...	2.906	3.567	361.0E6	457.5E6	103.733	111.123
24) Hexachlor...	5.503	6.329	310.4E6	301.6E6	85.737	83.229
25) Oxychlorane	6.968	7.779	345.6E6	335.8E6	101.063	104.493
26) 2,4'-DDE	7.055	7.986	222.9E6	219.5E6	85.097	88.804
27) trans-Non...	7.224	8.053	389.7E6	377.1E6	103.162	105.014
28) 2,4'-DDD	7.423	8.358	199.1E6	205.2E6	87.640	93.721
29) 2,4'-DDT	7.605	8.580	246.5E6	239.2E6	102.550	103.247

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 18:41
 Operator : MJB
 Sample : 0J05048-CCV6
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 05 18:55:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

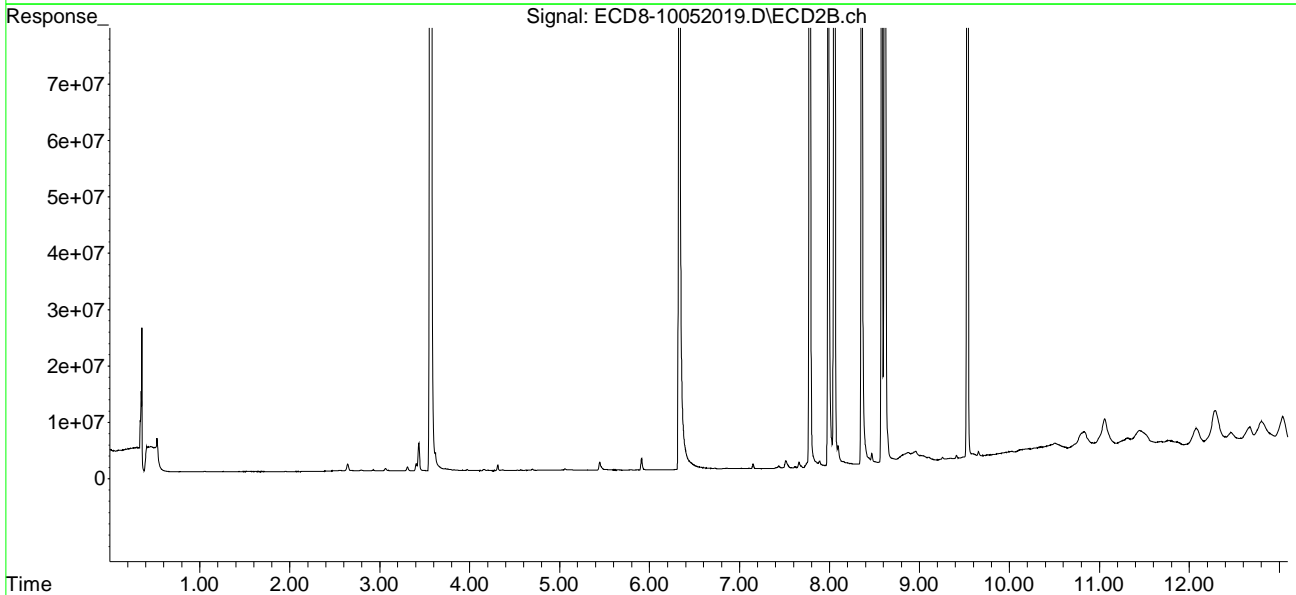
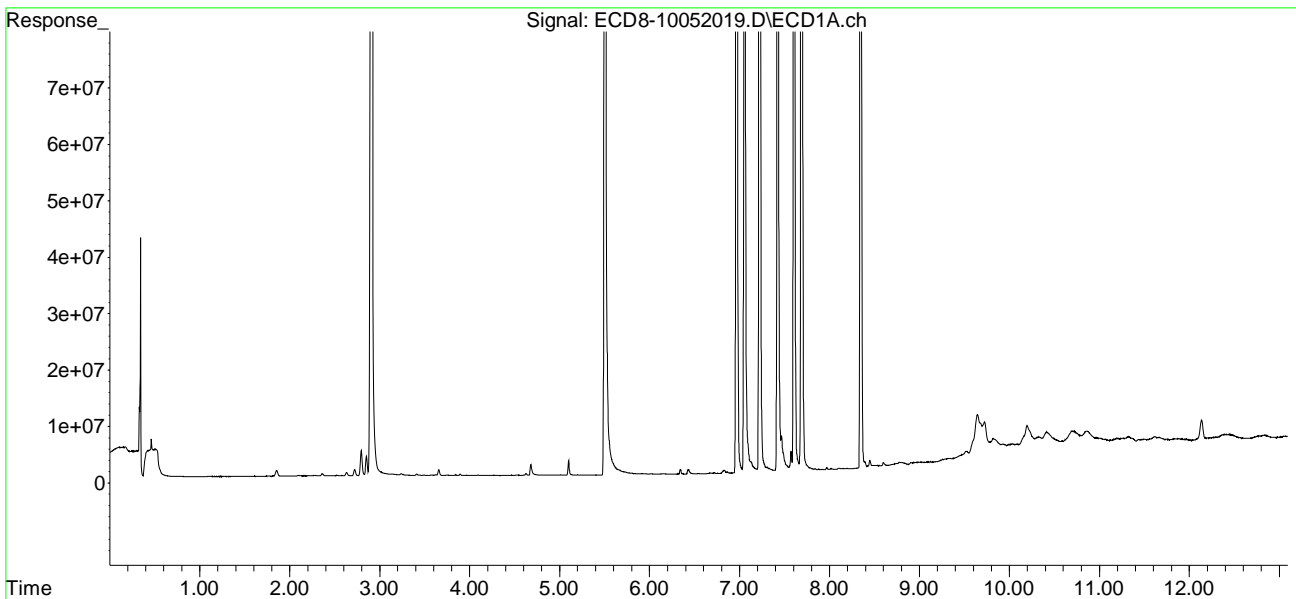
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.689	8.616	424.5E6	421.2E6	102.809	106.504
31)	Mirex	8.347	9.531	258.1E6	250.2E6	99.102	108.403
32)	Chlordane...	7.423	8.236	199.1E6	235958	440.003	0.534 #
33)	Chlordane...	0.000	8.315	0	55082	N.D.	0.148 #
34)	Chlordane...	8.067	9.029f	30195	891807	0.208	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.308	0.000	843193	0	49.017	N.D. #
37)	Toxaphene...	7.605	8.807f	246.5E6	1160974	8111.555	29.544 #
38)	Toxaphene...	7.917	8.807	124081	1160974	1.647	18.359 #
39)	Toxaphene...	8.155	8.875	98325	1630830	BelowCal	10.778
40)	Toxaphene...	8.390	9.034	1126742	883213	20.174	15.556
41)	Toxaphene...	8.448	9.411	1234203	593235	16.054	9.162 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 18:41
Operator : MJB
Sample : 0J05048-CCV6
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 05 18:55:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 18:57
 Operator : MJB
 Sample : 0J05048-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/6/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 12:04:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.124	5.865	313.3E6	299.9E6	83.946	85.439
22) S DCBP (S)	9.304	10.383	275.5E6	229.8E6	90.409	102.168
Target Compounds						
2) a-BHC	5.663	0.000	57953	0	0.012	N.D. #
3) g-BHC	5.957	6.764	34212	7494	0.008	0.001 #
4) b-BHC	0.000	6.842	0	5767	N.D.	0.003 #
5) Heptachlor	0.000	7.153	0	66243	N.D.	BelowCal
6) d-BHC	6.163	7.109	8427	103378	0.002	0.059 #
7) Aldrin	6.548f	7.413	37080	32904	0.008	BelowCal #
8) Heptachlo...	7.038	7.856	16960	21748	0.004	0.006 #
9) trans-Chl...	7.125	7.991	178893	5904	0.043	0.002 #
10) cis-Chlor...	7.238	0.000	84261	0	0.021	N.D. #
11) Endosulfa...	7.287f	8.148	51556	7176	0.014	0.002 #
12) 4,4'-DDE	7.287	8.199	51556	11063	0.013	0.022 #
13) Dieldrin	7.497	8.354	36164	9809	0.009	0.003 #
14) Endrin	7.669	0.000	6857	0	0.002	N.D. #
15) 4,4'-DDD	7.724	0.000	9076	0	0.003	N.D. #
16) Endosulfa...	7.810	0.000	20015	0	0.006	N.D. #
17) 4,4'-DDT	7.926	8.878f	5789	1951562	0.002	0.743 #
18) Endrin Al...	8.100	8.952	133027	2280283	0.040	0.801 #
19) Endosulfa...	8.401	0.000	40231	0	0.014	N.D. #
20) Methoxychlor	8.281	9.311	84528	451435	0.056	0.304 #
21) Endrin Ke...	8.601	9.536	474511	521874	0.205	0.210
23) Hexachlor...	0.000	3.587f	0	42657	N.D.	BelowCal
24) Hexachlor...	5.503	6.327	709463	117710	BelowCal	BelowCal
25) Oxychlorane	6.972	7.776	14359	25416	104477.347	BelowCal #
26) 2,4'-DDE	7.058	7.991	21343	5904	BelowCal	BelowCal
27) trans-Non...	7.238	8.051	84261	49804	BelowCal	BelowCal
28) 2,4'-DDD	7.419	8.354	15988	9809	BelowCal	BelowCal
29) 2,4'-DDT	7.571f	0.000	49562	0	BelowCal	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
 Data File : ECD8-10052020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Oct 2020 18:57
 Operator : MJB
 Sample : 0J05048-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 06 12:04:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

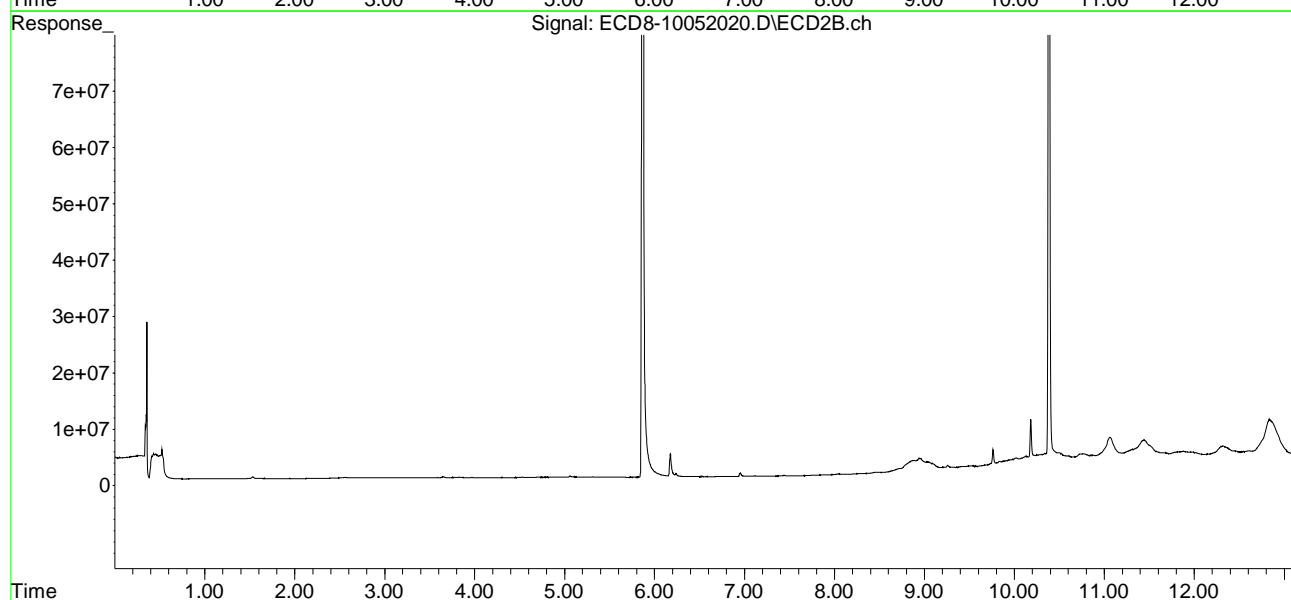
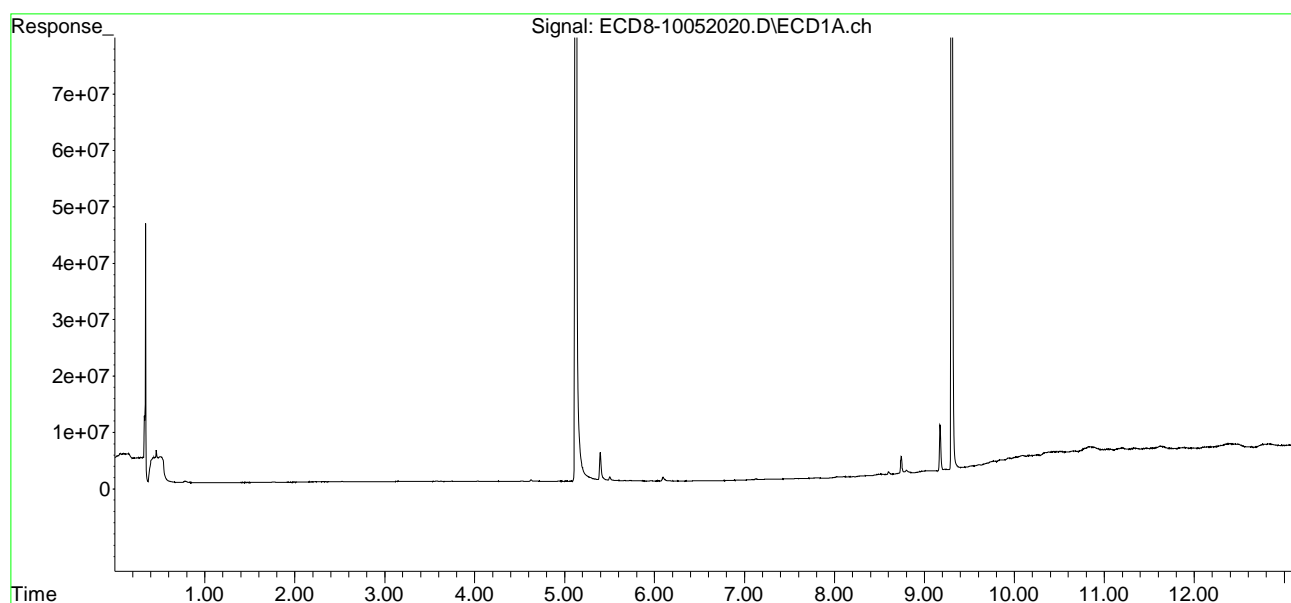
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.690	0.000	11480	0	BelowCal	N.D.
31)	Mirex	8.352	9.536	55832	521874	14904.432	BelowCal #
32)	Chlordane...	7.430	8.199f	22283	11063	0.049	0.025 #
33)	Chlordane...	7.525	8.336	32656	5544	0.059	0.015 #
34)	Chlordane...	8.071	9.019f	91021	1512416	0.628	4.411 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.287f	0.000	51556	0	2.997	N.D. #
37)	Toxaphene...	7.571f	0.000	49562	0	125253.923	N.D. #
38)	Toxaphene...	7.926	0.000	5789	0	0.077	N.D. #
39)	Toxaphene...	8.133f	8.878	84520	1951562	BelowCal	14.296
40)	Toxaphene...	8.380	9.041	28882	1547709	0.517	27.260 #
41)	Toxaphene...	8.452	9.418	122173	477778	1.589	7.379 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J05048\
Data File : ECD8-10052020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 5 Oct 2020 18:57
Operator : MJB
Sample : 0J05048-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 06 12:04:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0090807

Sequence 0I29052 (A0I0556-29RE1,30RE1,31RE1,32RE1,33RE1,34RE1,
35RE1,36RE1,37RE1,38RE1,39RE1,40RE1,42RE1,43RE1,44RE1,45RE1)




Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090807 (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	Other	>11
	0090807-BLK1	QC	09/25/20 07:06	11	10				100					
	0090807-BS1	QC	09/25/20 07:06	10	10	A20E221		100	100					
	A0I0556-29RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.61	10				100	PDI-171SC-A-01-02-200521	MDL. Use Custom Spike.			
	0090807-DUP1	QC	09/25/20 07:06	10.62	10		A0I0556-29RE1		100					
	A0I0556-30RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.19	10				100	PDI-171SC-A-02-03-200521	MDL. Use Custom Spike.			
	A0I0556-31RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.21	10				100	PDI-171SC-A-03-04-200521	MDL. Use Custom Spike.			
	A0I0556-32RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.66	10				100	PDI-171SC-A-04-05-200521	MDL. Use Custom Spike.			
	A0I0556-33RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.17	10				100	PDI-171SC-A-05-06-200521	MDL. Use Custom Spike.			
	A0I0556-34RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.25	10				100	PDI-171SC-A-06-07-200521	MDL. Use Custom Spike.			
	A0I0556-35RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.48	10				100	PDI-173SC-A-01-02-200521	MDL. Use Custom Spike.			
	A0I0556-36RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.42	10				100	PDI-173SC-A-02-03-200521	MDL. Use Custom Spike.			
	A0I0556-37RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.09	10				100	PDI-173SC-A-03-04-200521	MDL. Use Custom Spike.			
	A0I0556-38RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.12	10				100	PDI-174SC-A-01-02-200521	MDL. Use Custom Spike.			
	A0I0556-39RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.04	10				100	PDI-174SC-A-02-03-200521	MDL. Use Custom Spike.			
	A0I0556-40RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.19	10				100	PDI-018SC-A-00-01-190926	MDL. Use Custom Spike.			
	A0I0556-42RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10	10				100	PDI-018SC-A-02-03-190926	MDL. Use Custom Spike.			
	A0I0556-43RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.06	20				100	PDI-018SC-A-03-04-190926	MDL. Use Custom Spike.			
	A0I0556-44RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.05	20				100	PDI-018SC-A-04-05-190926	MDL. Use Custom Spike.			
	A0I0556-45RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.59	20				100	PDI-018SC-A-05-06-190926	MDL. Use Custom Spike.			
	0090807-MS1	QC	09/25/20 07:06	10.6	20	A20E221	A0I0556-45RE1	100	100					

Prepared By: _____ Date _____


 Reviewed By: _____ Date 9/30/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0090807 (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 6 >11

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20G009	12/28/20	n-Hexane Lot# 200528	A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20H256	02/13/21	DCM CHEM PROD. DZ508-US						

From 0090727 on 9/28/2020 by ajj

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

on GPC#1

BATCH #: 0090807 (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	Other	>11
2	0090807-BLK1	QC	09/25/20 07:06	11	5.10				100		1mL	2mL			
2	0090807-BS1	QC	09/25/20 07:06	10	5.10	A20E221		100	100		1mL	2mL			
4	A010556-29RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.61	5.10				100	PDI-171SC-A-01-02-200521	MDL. Use Custom Spike.	1mL	2mL		
5	0090807-DUP1	QC	09/25/20 07:06	10.62	5.10		A010556-29RE1		100			1mL	2mL		
6	A010556-30RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.19	5.10				100	PDI-171SC-A-02-03-200521	MDL. Use Custom Spike.	1mL	2mL		
7	A010556-31RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.21	5.10				100	PDI-171SC-A-03-04-200521	MDL. Use Custom Spike.	1mL	2mL		
8	A010556-32RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.66	5.10				100	PDI-171SC-A-04-05-200521	MDL. Use Custom Spike.	1mL	2mL		
9	A010556-33RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.17	5.10				100	PDI-171SC-A-05-06-200521	MDL. Use Custom Spike.	1mL	2mL		
10	A010556-34RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.25	5.10				100	PDI-171SC-A-06-07-200521	MDL. Use Custom Spike.	1mL	2mL		
11	A010556-35RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.48	5.10				100	PDI-173SC-A-01-02-200521	MDL. Use Custom Spike.	1mL	2mL		
12	A010556-36RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.42	5.10				100	PDI-173SC-A-02-03-200521	MDL. Use Custom Spike.	1mL	2mL		
13	A010556-37RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.09	5.10				100	PDI-173SC-A-03-04-200521	MDL. Use Custom Spike.	1mL	2mL		
14	A010556-38RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.12	5.10				100	PDI-174SC-A-01-02-200521	MDL. Use Custom Spike.	1mL	2mL		
15	A010556-39RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.04	5.10				100	PDI-174SC-A-02-03-200521	MDL. Use Custom Spike.	1mL	2mL		
16	A010556-40RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.19	5.10				100	PDI-018SC-A-00-01-190926	MDL. Use Custom Spike.	1mL	2mL		
17	A010556-42RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10	5.10				100	PDI-018SC-A-02-03-190926	MDL. Use Custom Spike.	1mL	2mL		
18	A010556-43RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.06	5.20				100	PDI-018SC-A-03-04-190926	MDL. Use Custom Spike.	0.5mL	2mL		
19	A010556-44RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.05	5.20				100	PDI-018SC-A-04-05-190926	MDL. Use Custom Spike.	0.5mL	2mL		
20	A010556-45RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.59	5.20				100	PDI-018SC-A-05-06-190926	MDL. Use Custom Spike.	0.5mL	2mL		
21	0090807-MS1	QC	09/25/20 07:06	10.6	5.20	A20E221	A010556-45RE1	100	100			0.5mL	2mL		

Prepared By: ADJ
SCC
cm

Date: 9-28-20
09/29/2020
09/30/2020 (exchange/vial)
9/29/2020

Reviewed By: cas Date: 09/29/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0090807 (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	>11

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20G009	12/28/20	n-Hexane Lot# 200528	A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20H256	02/13/21	DCM CHEM PROD. DZ508-US						

From 0090727 on 9/28/2020 by ajj

★ = overpressure error on this sample.

Prepared By: AJJ Date: 9-28-20

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090727 (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	
6	0090727-BLK1	QC	09/25/20 07:06	10	5 ✓				100						
7	0090727-BS1	QC	09/25/20 07:06	10	5 ✓	A20E221		100	100						
8	A010556-29	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.61	5 ✓				100	PDI-171SC-A-01-02-200521	MDL. Use Custom Spike. Sed. (mud), rocks, org				
9	0090727-DUP1	QC	09/25/20 07:07	10.62	5 ✓		A010556-29		100		Sed. (mud), rocks, org				
10	A010556-30	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.19	5 ✓				100	PDI-171SC-A-02-03-200521	MDL. Use Custom Spike. Sed. (mud), rocks, org				
11	A010556-31	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.21	5 ✓				100	PDI-171SC-A-03-04-200521	MDL. Use Custom Spike. Sed. (mud), rocks, org				
12	A010556-32	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.66	5 ✓				100	PDI-171SC-A-04-05-200521	MDL. Use Custom Spike. Sed. (mud), rocks, org				
13	A010556-33	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.17	5 ✓				100	PDI-171SC-A-05-06-200521	MDL. Use Custom Spike. Sed. (mud), org				
14	A010556-34	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.25	5 ✓				100	PDI-171SC-A-06-07-200521	MDL. Use Custom Spike. Sediment				
15	A010556-35	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.48	5 ✓				100	PDI-173SC-A-01-02-200521	MDL. Use Custom Spike. Sediment (wet)				
16	A010556-36	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.42	5 ✓				100	PDI-173SC-A-02-03-200521	MDL. Use Custom Spike. Sediment (wet)				
17	A010556-37	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.09	5 ✓				100	PDI-173SC-A-03-04-200521	MDL. Use Custom Spike. Sediment (wet), org				
18	A010556-38	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.12	5 ✓				100	PDI-174SC-A-01-02-200521	MDL. Use Custom Spike. Sediment (wet), rocks				
19	A010556-39	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.04	5 ✓				100	PDI-174SC-A-02-03-200521	MDL. Use Custom Spike. Sediment (wet)				
20	A010556-40	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.19	5 ✓				100	PDI-018SC-A-00-01-190926	MDL. Use Custom Spike. Sediment (S)				
21	A010556-41	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10	5				100	PDI-018SC-A-01-02-190926	MDL. Use Custom Spike. Low mass; removed to check test priorities				
22	A010556-42	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.00	5 ✓				100	PDI-018SC-A-02-03-190926	MDL. Use Custom Spike. Sediment (wet), (S)				
23	A010556-43	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.06	5 ✓				100	PDI-018SC-A-03-04-190926	MDL. Use Custom Spike. Sediment (wet), org, (S)				
24	A010556-44	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10.05	5 ✓				100	PDI-018SC-A-04-05-190926	MDL. Use Custom Spike. Sed. (wet), rocks, org, (S)				

SCG
Prepared By: _____ Date: 09/25/2020

CAS
Reviewed By: _____ Date: 09/25/2020

AJO

9/25/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0090727 (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
24 25	A010556-45	A 8081B 2,4+4,4-DDx Only (+Add)	09/25/20 07:06	10 10.59	5 ✓				100	PDI-018SC-A-05-06-190926	MDL. Use Custom Spike. Sed. (mud), rocks (S)			
25	0090727-MS1	QC	09/25/20 07:06	10 10.60	5 ✓	A20E221	A010556-45	100	100		Sed. (mud), rocks (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	<u>A20E221</u>	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	<u>A20I084</u>	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20G009	12/28/20	n-Hexane Lot# 200528						
A20H256	02/13/21	DCM CHEM PROD. DZ508-US						

Method 3546 digestion time and temperture achieved.

Initial: SC

Witness: AJS 9-25-20

(S) = Staining on turbocup tube during concentration

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0129052**
Date: **09/29/20 11:11**

Instrument: **DUALECD8**
Calibration: **A0G2005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0129052-BKD1	Sediment	QC	QC				A20H479
2	0129052-CCV1	Sediment	QC	QC				A20H475
3	0129052-CCV2	Sediment	QC	QC				A20I185
4	0129052-CCB1	Sediment	QC	QC				A20I313
5	0090807-BLK1	Sediment	QC	QC		0090807		
6	0090807-BS1	Sediment	QC	QC		0090807		
7	A0I0556-29RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
8	0090807-DUP1	Sediment	QC	QC		0090807		
9	A0I0556-30RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
10	A0I0556-31RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
11	A0I0556-35RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
12	A0I0556-36RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
13	A0I0556-39RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
14	A0I0556-38RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
15	0129052-CCV3	Sediment	QC	QC				A20H476
16	0129052-CCV4	Sediment	QC	QC				A20I186
17	0129052-CCB2	Sediment	QC	QC				A20I313
18	A0I0556-37RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
19	A0I0556-33RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
20	A0I0556-32RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
21	A0I0556-34RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
22	0129052-IBL1	Sediment	QC	QC				
23	A0I0556-40RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
24	0129052-IBL2	Sediment	QC	QC				
25	A0I0556-42RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
26	0129052-IBL3	Sediment	QC	QC				
27	A0I0556-43RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
28	0129052-IBL4	Sediment	QC	QC				
29	A0I0556-44RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
30	0129052-IBL5	Sediment	QC	QC				
31	A0I0556-45RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090807		
32	0129052-IBL6	Sediment	QC	QC				
33	0090807-MS1	Sediment	QC	QC		0090807		
34	0129052-IBL7	Sediment	QC	QC				
35	0129052-CCV5	Sediment	QC	QC				A20H475
36	0129052-CCV6	Sediment	QC	QC				A20I185
37	0129052-CCB3	Sediment	QC	QC				A20I313
38	0129052-IBL8	Sediment	QC	QC				

Data Entered By/Date: MJB 9/30/20

Comments:

Data Reviewed By/Date: MKZ 10/1/2020

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0I29052 BKD1
Data File: ECD8-09292003.D

MJB 9/29/20

First Column Area Counts		Percent Breakdown	
DDE	14908904		
DDD	78324184		
DDT	2711962728	3.32	PASS
Endrin	1526422231	12.28	PASS
Endrin Aldehyde	103807761		
Endrin Ketone	109939357		

Second Column Area Counts		Percent Breakdown	
DDE	35495696		
DDD	72317645		
DDT	2515571244	4.11	PASS
Endrin	1363485911	10.56	PASS
Endrin Aldehyde	76954325		
Endrin Ketone	84058929		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 12:01
 Operator : MJB
 Sample : 0I29052-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 12:18:15 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTD.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.347	14908904	NoCal	ng/mL
2) Endrin	7.701	1526422231	NoCal	ng/mL
3) 4,4'-DDD	7.762	78324184	NoCal	ng/mL
4) 4,4'-DDT	7.959	2711962728	NoCal	ng/mL
5) Endrin Aldehyde	8.143	103807761	NoCal	ng/mL
6) Endrin Ketone	8.633	109939357	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.250	35495696	NoCal	ng/mL
9) Endrin [2C]	8.614	1363485911	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.662	72317645	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.997	76954325	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.887	2515571244	NoCal	ng/mL
13) Endrin Ketone [2C]	9.586	84058929	NoCal	ng/mL

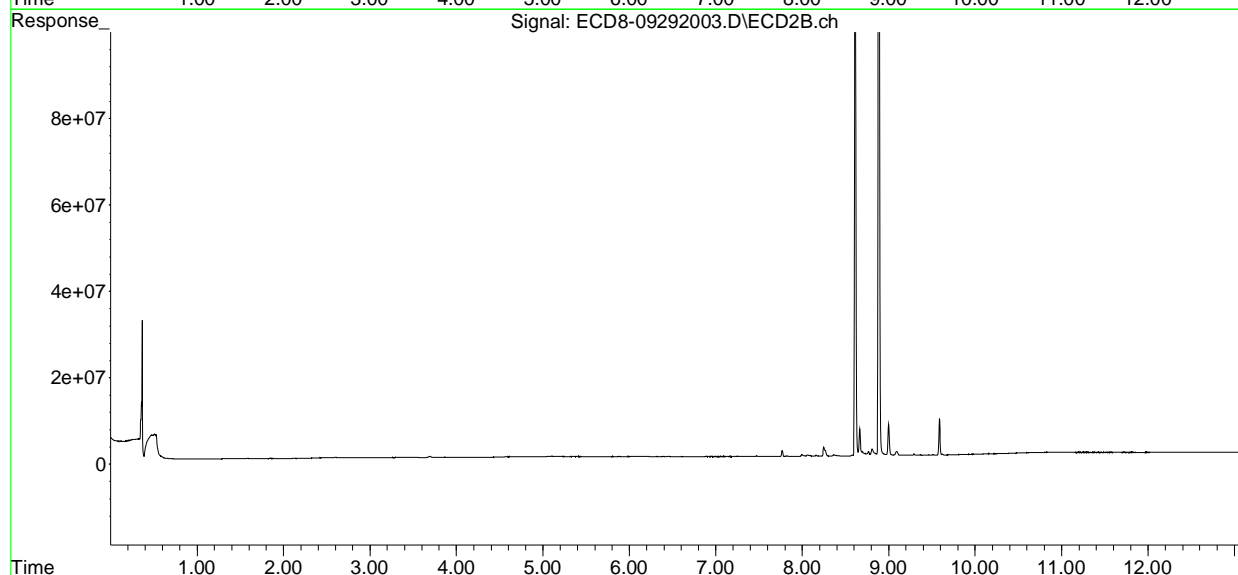
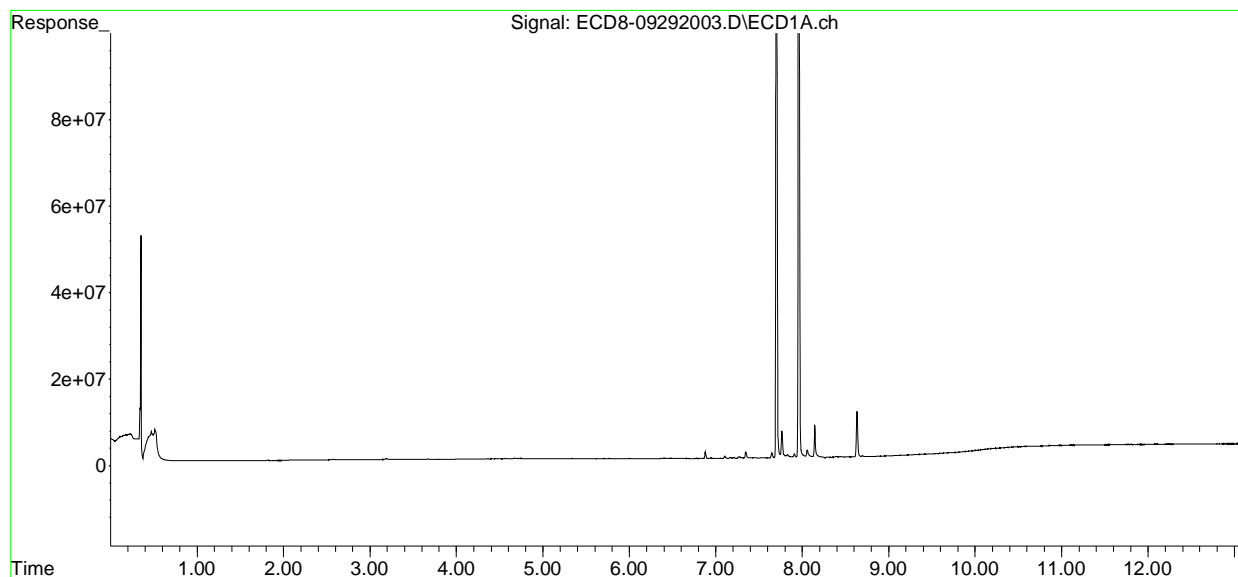
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 12:01
Operator : MJB
Sample : 0I29052-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 12:18:15 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTD.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 12:18
 Operator : MJB
 Sample : 0I29052-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:00:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.169	5.905	160.3E6	167.9E6	42.939	47.832
22)	S DCBP (S)	9.348	10.432	135.6E6	108.8E6	44.509	50.485
Target Compounds							
2)	a-BHC	5.700	6.506	244.4E6	237.4E6	49.637	49.888
3)	g-BHC	5.981	6.822	214.8E6	217.9E6	48.556	51.728
4)	b-BHC	6.055	6.886	88639314	85407483	44.646	45.304
5)	Heptachlor	6.389	7.191	201.2E6	202.7E6	47.531	49.452
6)	d-BHC	6.202	7.139	193.5E6	193.8E6	46.916	47.669
7)	Aldrin	6.627	7.455	215.0E6	205.7E6	49.278	52.158
8)	Heptachlo...	7.083	7.891	193.5E6	186.5E6	47.782	50.959
9)	trans-Chl...	7.178	8.031	202.5E6	195.8E6	48.930	52.845
10)	cis-Chlor...	7.276	8.138	196.1E6	187.5E6	47.813	52.833
11)	Endosulfa...	7.368	8.188	181.4E6	175.7E6	48.075	53.052
12)	4,4'-DDE	7.347	8.247	196.3E6	191.1E6	48.019	51.061
13)	Dieldrin	7.540	8.388	206.9E6	194.0E6	48.926	52.737
14)	Endrin	7.701	8.614	169.8E6	149.6E6	56.161	56.456
15)	4,4'-DDD	7.762	8.661	163.6E6	154.3E6	48.972	49.782
16)	Endosulfa...	7.856	8.761	149.9E6	152.7E6	46.368	52.042
17)	4,4'-DDT	7.959	8.887	148.6E6	137.9E6	48.093	48.461
18)	Endrin Al...	8.144	8.998	128.6E6	134.0E6	39.048	47.056
19)	Endosulfa...	8.441	9.188	150.0E6	126.1E6	51.782	49.028
20)	Methoxychlor	8.301	9.366	71540449	68394417	47.205	46.125
21)	Endrin Ke...	8.633	9.587	185.2E6	153.1E6	80.104	79.648
23)	Hexachlor...	0.000	3.623	0	28859	N.D.	BelowCal
24)	Hexachlor...	5.548	6.352	379083	51511	BelowCal	BelowCal
25)	Oxychlorane	7.021	7.804	968581	196040	0.099	BelowCal #
26)	2,4'-DDE	7.083	8.031	193.5E6	195.8E6	74.072	80.059
27)	trans-Non...	7.276	8.091	196.1E6	661898	51.918	BelowCal #
28)	2,4'-DDD	7.457	8.388	518250	194.0E6	0.037	89.054 #
29)	2,4'-DDT	7.646	8.614	591528	149.6E6	0.072	67.518 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 12:18
 Operator : MJB
 Sample : 0I29052-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:00:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

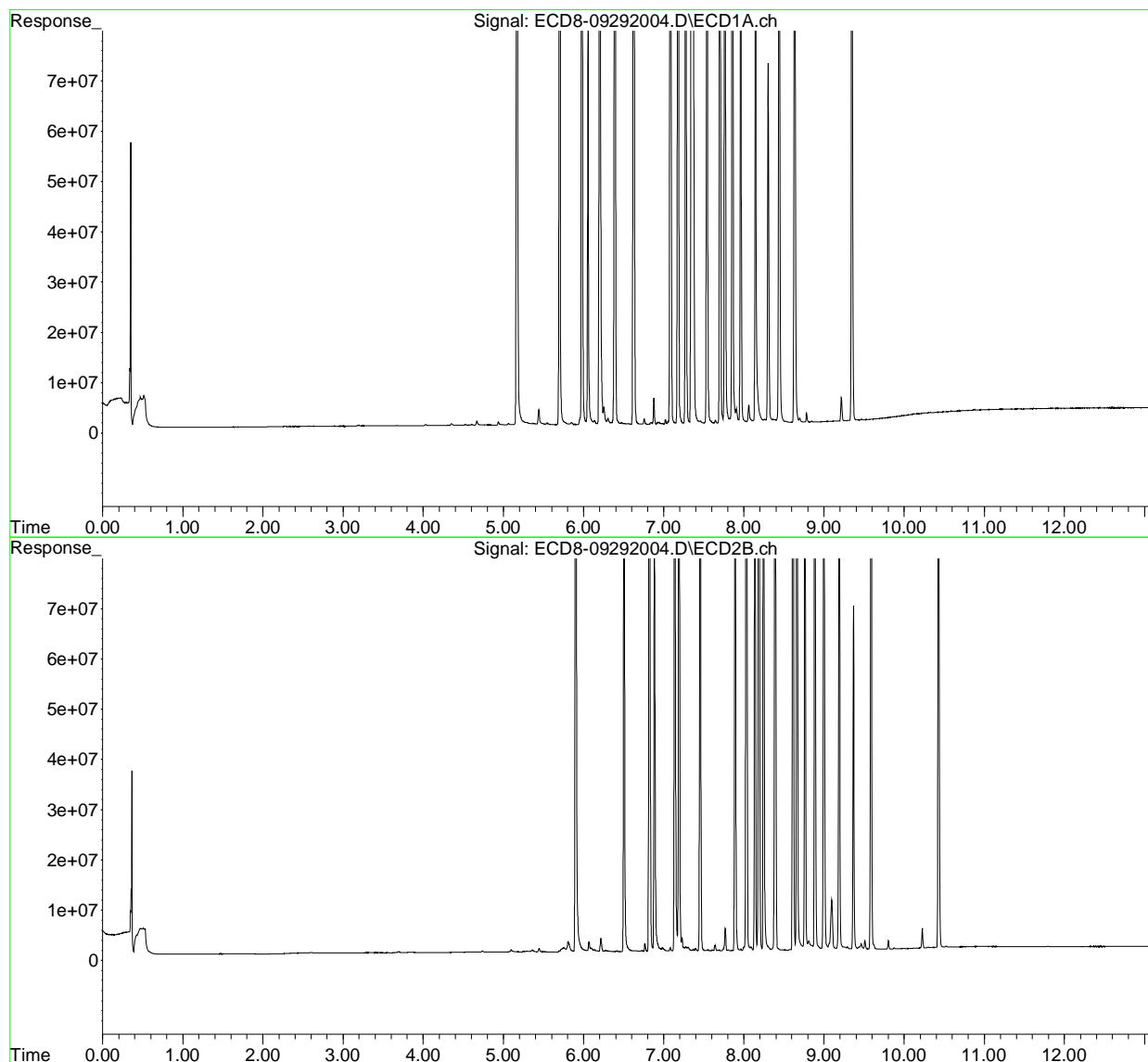
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.762f	8.661	163.6E6	154.3E6	39.880	41.749
31)	Mirex	8.386	9.587	673250	153.1E6	14904.196	68.357 #
32)	Chlordane...	7.457f	8.247f	518250	191.1E6	1.146	432.522 #
33)	Chlordane...	7.540	0.000	206.9E6	0	376.065	N.D. #
34)	Chlordane...	8.061	8.998	3556011	134.0E6	24.518	1114.294 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.347f	8.388f	196.3E6	194.0E6	11412.061	6414.429 #
37)	Toxaphene...	7.646f	8.761	591528	152.7E6	15.100	3885.234 #
38)	Toxaphene...	7.908	8.809	2855797	1761017	37.901	27.848 #
39)	Toxaphene...	8.144	8.887	128.6E6	137.9E6	1791.379	1312.898 #
40)	Toxaphene...	8.386	0.000	673250	0	12.054	N.D. #
41)	Toxaphene...	8.441	9.434	150.0E6	455398	1950.893	7.033 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 12:18
Operator : MJB
Sample : 0I29052-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:00:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 12:35
 Operator : MJB
 Sample : 0I29052-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:02:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.145f	5.904	1224778	32280	0.328	0.009 #
22) S DCBP (S)	9.347	10.412	105040	164647	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.705	6.480f	341541	584652	0.069	0.173 #
3) g-BHC	5.988	6.825	128919	50323	0.029	0.012 #
4) b-BHC	6.057	6.889	110325	97390	0.056	0.052
5) Heptachlor	6.388	7.191	512301	449116	0.121	0.084 #
6) d-BHC	6.203	7.141	73046	88625	0.018	0.056 #
7) Aldrin	6.625	7.454	41240	35294	0.009	0.000 #
8) Heptachlo...	7.097	7.890	120.0E6	184361	29.633	0.050 #
9) trans-Chl...	7.176	8.027	503135	115.4E6	0.122	31.155 #
10) cis-Chlor...	7.268	8.138	186.6E6	1395593	45.497	0.393 #
11) Endosulfa...	7.353	8.200	449562	392827	0.119	0.119
12) 4,4'-DDE	7.353	8.244	449562	133354	0.110	0.057 #
13) Dieldrin	7.530	8.398	1189007	102.6E6	0.281	27.909 #
14) Endrin	7.735f	8.621	203.5E6	106.7E6	67.313	41.250 #
15) 4,4'-DDD	7.735f	8.658	203.5E6	188.6E6	60.939	59.871
16) Endosulfa...	7.886f	8.759	81125	79265	0.025	0.027
17) 4,4'-DDT	7.960	8.884	90588	183202	0.029	0.055 #
18) Endrin Al...	8.144	9.003	290479	246577	0.088	0.087
19) Endosulfa...	8.437	9.187	525963	26070	0.182	BelowCal #
20) Methoxychlor	8.307	9.366	24096	22212	0.016	0.015
21) Endrin Ke...	8.637	9.576	588408	108.7E6	0.255	58.791 #
23) Hexachlor...	2.953	3.608	157.1E6	196.5E6	45.079	50.464
24) Hexachlor...	5.548	6.369	157.9E6	156.2E6	43.897	44.900
25) Oxychlorane	7.012	7.821	163.1E6	151.3E6	47.567	49.711
26) 2,4'-DDE	7.097	8.027	120.0E6	115.4E6	46.217	48.999
27) trans-Non...	7.268	8.095	186.6E6	178.1E6	49.398	52.510
28) 2,4'-DDD	7.465	8.398	108.6E6	102.6E6	48.050	49.398
29) 2,4'-DDT	7.648	8.621	111.9E6	106.7E6	47.363	49.284

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 12:35
 Operator : MJB
 Sample : 0I29052-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:02:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

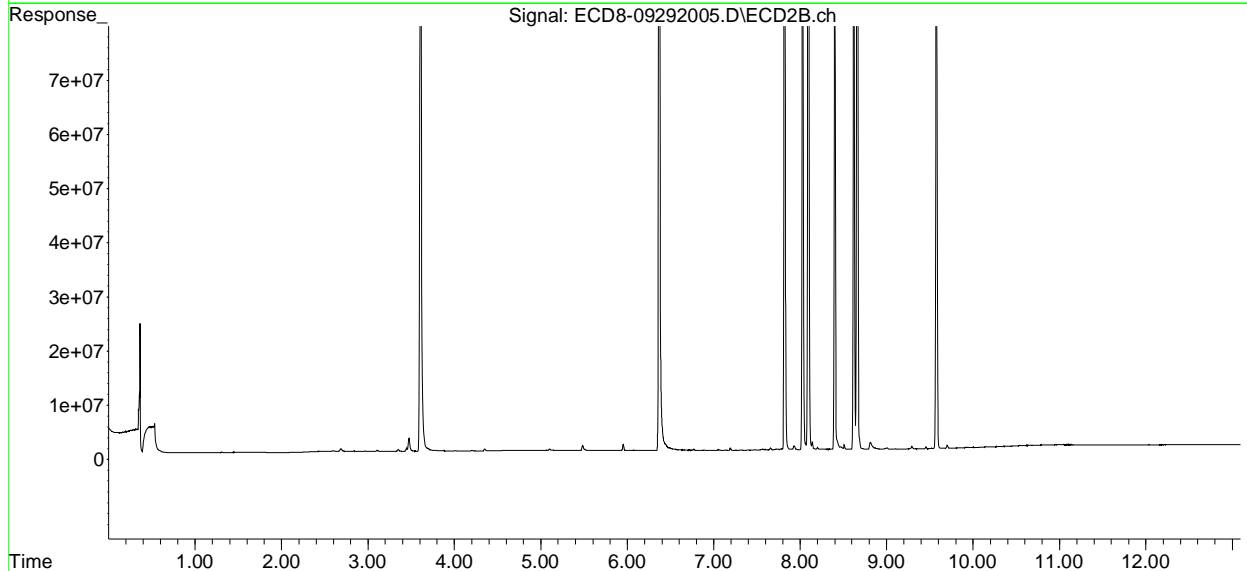
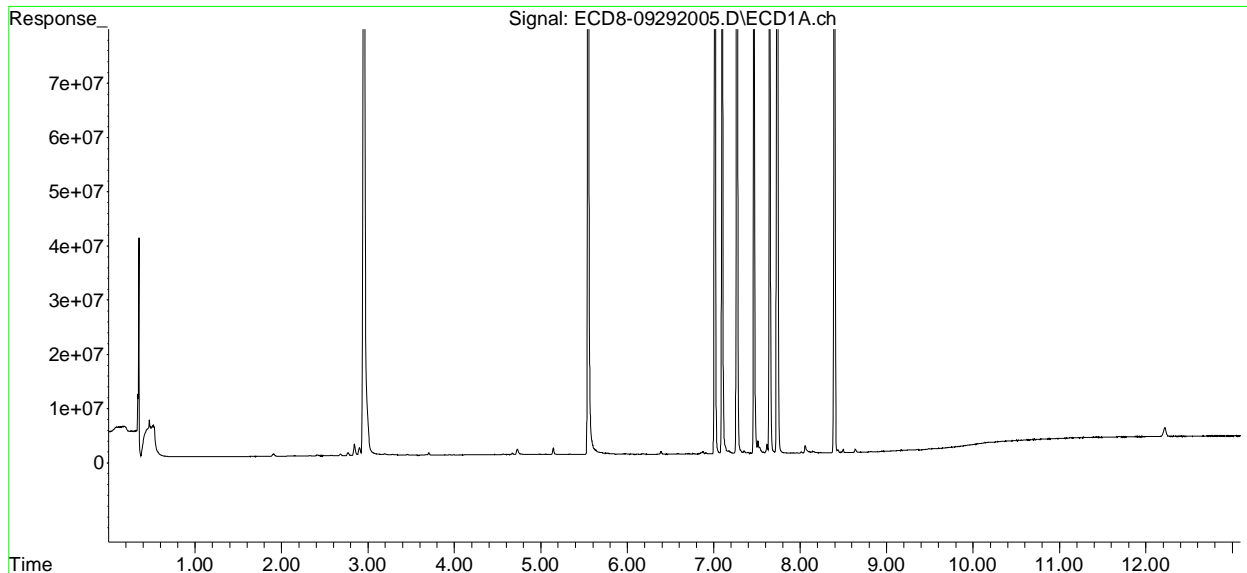
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.735	8.658	203.5E6	188.6E6	49.596	50.549
31)	Mirex	8.394	9.576	125.1E6	108.7E6	47.717	49.164
32)	Chlordane...	7.465f	8.228	108.6E6	156710	240.022	0.355 #
33)	Chlordane...	7.530	8.313f	1189007	53239	2.161	0.143 #
34)	Chlordane...	8.057	9.003	1360871	246577	9.383	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.353f	8.398f	449562	102.6E6	26.134	3394.575 #
37)	Toxaphene...	7.616	8.764	1624293	78977	46.913	2.010 #
38)	Toxaphene...	7.925	8.811	94037	1277119	1.248	20.196 #
39)	Toxaphene...	8.156	8.867	276646	254013	BelowCal	BelowCal
40)	Toxaphene...	8.394	9.077f	125.1E6	11860	2239.843	0.209 #
41)	Toxaphene...	8.437	9.430	525963	21898	6.842	0.338 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 12:35
Operator : MJB
Sample : 0I29052-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:02:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 12:51
 Operator : MJB
 Sample : 0I29052-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:03:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.170	5.905	321.9E6	322.1E6	86.246	91.750
22) S DCBP (S)	9.348	10.432	266.8E6	222.7E6	87.586	99.235
Target Compounds						
2) a-BHC	5.709	0.000	54997	0	0.011	N.D. #
3) g-BHC	5.997	0.000	20779	0	0.005	N.D. #
4) b-BHC	6.055	6.891	19870	19796	0.010	0.011
5) Heptachlor	6.386	7.159f	30181	4879	0.007	BelowCal #
6) d-BHC	0.000	7.142	0	31848	N.D.	0.041 #
7) Aldrin	0.000	7.474	0	184335	N.D.	0.041 #
8) Heptachlo...	7.120f	7.890	28485	11609	0.007	0.003 #
9) trans-Chl...	7.167	8.032	225039	12843	0.054	0.003 #
10) cis-Chlor...	7.275	8.137	259689	47399	0.063	0.013 #
11) Endosulfa...	7.350	8.189	60353	15201	0.016	0.005 #
12) 4,4'-DDE	7.347	0.000	63097	0	0.015	N.D. #
13) Dieldrin	7.524	8.385	20361	13312	0.005	0.004
14) Endrin	0.000	8.623	0	28739	N.D.	BelowCal
15) 4,4'-DDD	7.758	8.659	16993	18867	0.005	0.014 #
16) Endosulfa...	7.853	8.763	26507	32418	0.008	0.011 #
17) 4,4'-DDT	7.961	8.906	43791	150928	0.014	0.043 #
18) Endrin Al...	8.143	8.996	237506	112410	0.072	0.039 #
19) Endosulfa...	8.444	9.188	48827	65926	0.017	BelowCal #
20) Methoxychlor	8.299	9.349	105872	81031	0.070	0.055
21) Endrin Ke...	8.639	9.586	522447	84350	0.226	BelowCal #
23) Hexachlor...	0.000	3.630f	0	33949	N.D.	BelowCal
24) Hexachlor...	5.548	6.370	596723	89548	BelowCal	BelowCal
25) Oxychlorane	7.010	7.820	12954	20574	104477.347	BelowCal #
26) 2,4'-DDE	7.120f	8.032	28485	12843	BelowCal	BelowCal
27) trans-Non...	7.275	8.072f	259689	243036	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.393	0	14805	N.D.	BelowCal
29) 2,4'-DDT	7.630	8.623	19898	28739	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 12:51
 Operator : MJB
 Sample : 0I29052-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:03:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

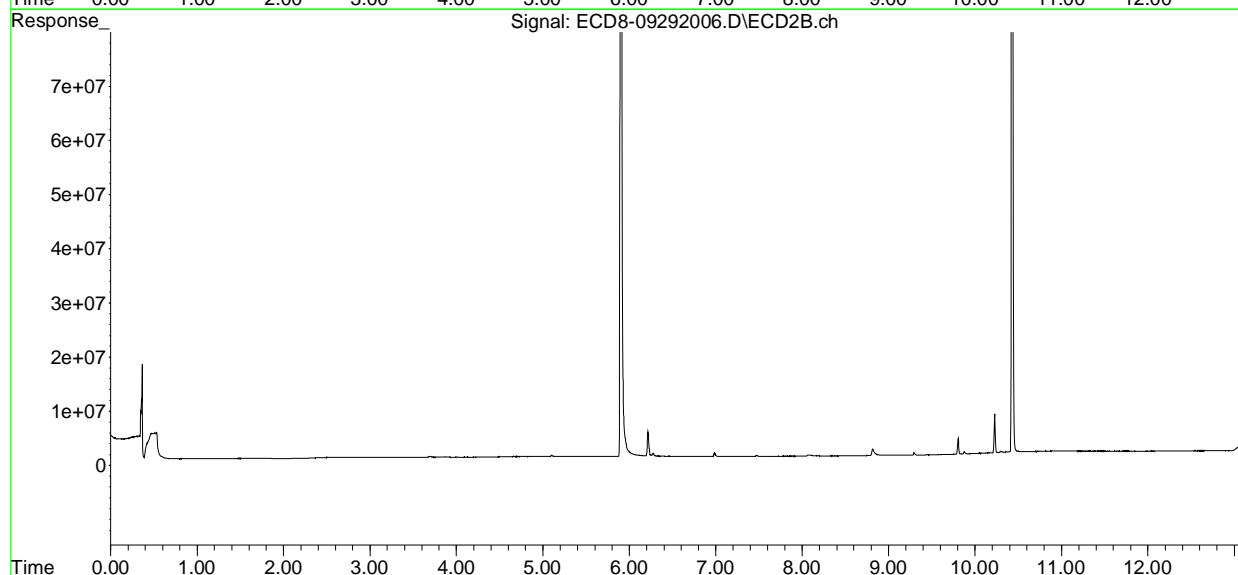
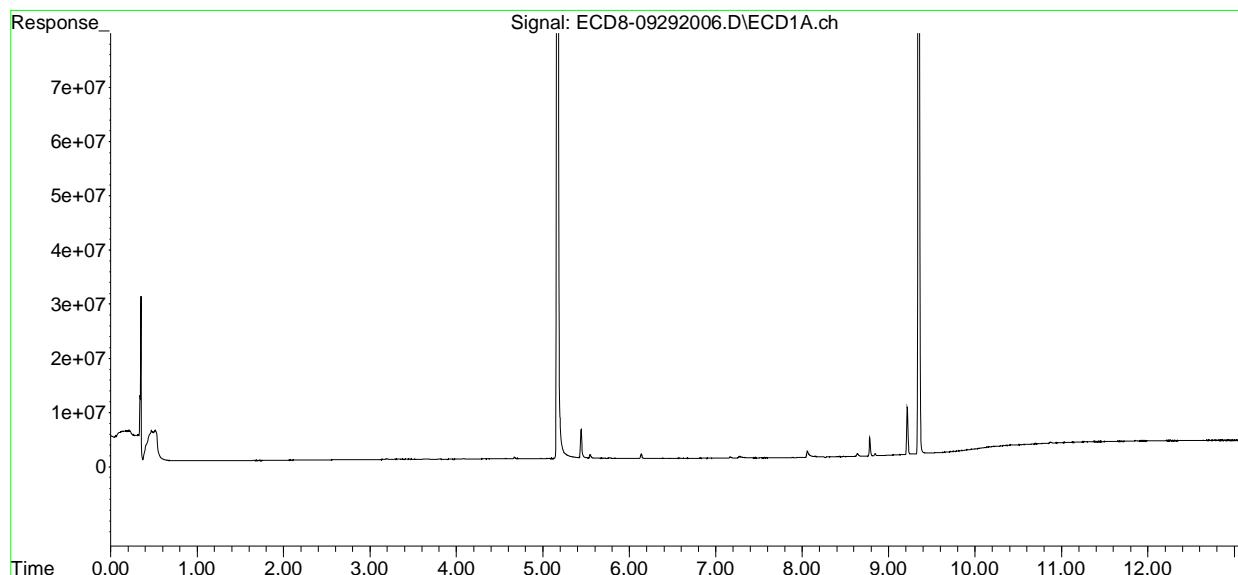
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.758f	8.659	16993	18867	BelowCal	BelowCal
31)	Mirex	8.405	9.586	124628	84350	14904.406	BelowCal #
32)	Chlordane...	0.000	8.189f	0	15201	N.D.	0.034 #
33)	Chlordane...	7.524	8.337	20361	8034	0.037	0.022 #
34)	Chlordane...	8.060	8.996	1216169	112410	8.385	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.314	8.445f	132451	18612	7.700	0.616 #
37)	Toxaphene...	7.607	8.763	14363	32418	125255.007	0.825 #
38)	Toxaphene...	7.889f	8.815	41678	1185276	0.553	18.743 #
39)	Toxaphene...	8.143	8.906f	237506	150928	BelowCal	BelowCal
40)	Toxaphene...	8.359f	9.037	65256	67270	1.168	1.185
41)	Toxaphene...	8.450	9.440	41131	135902	0.535	2.099 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 12:51
Operator : MJB
Sample : 0I29052-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:03:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:08
 Operator : MJB
 Sample : 0090807-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:04:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.169	5.904	98690559	98891767	26.441	28.172
22) S DCBP (S)	9.348	10.431	123.3E6	100.5E6	40.460	46.790
Target Compounds						
2) a-BHC	5.707	6.544f	1818536	108938	0.369	0.065 #
3) g-BHC	5.994	6.832	201441	88696	0.046	0.022 #
4) b-BHC	6.056	6.862f	785602	106070	0.396	0.056 #
5) Heptachlor	6.377	7.196	530025	103080	0.125	BelowCal #
6) d-BHC	6.181f	7.159	149814	153932	0.036	0.073 #
7) Aldrin	6.633	7.473	242223	197718	0.056	0.045
8) Heptachlo...	7.077	7.874	208767	426452	0.052	0.116 #
9) trans-Chl...	7.167	8.029	180691	201657	0.044	0.054
10) cis-Chlor...	7.264	8.137	551044	176887	0.134	0.050 #
11) Endosulfa...	7.383	8.200	296817	186829	0.079	0.056 #
12) 4,4'-DDE	7.325f	8.258	465883	236816	0.114	0.087
13) Dieldrin	7.529	8.376	100436	708506	0.024	0.193 #
14) Endrin	7.706	8.623	69719	55161	0.023	BelowCal #
15) 4,4'-DDD	7.748	8.660	129331	42322	0.039	0.022 #
16) Endosulfa...	7.838	8.752	695285	95080	0.215	0.032 #
17) 4,4'-DDT	7.965	8.889	340292	272172	0.110	0.090
18) Endrin Al...	8.138	8.977f	471193	451213	0.143	0.158
19) Endosulfa...	8.448	9.190	86460	113990	0.030	0.000 #
20) Methoxychlor	8.300	9.367	443628	469229	0.293	0.316
21) Endrin Ke...	8.637	9.594	33504051	337877	14.495	0.098 #
23) Hexachlor...	2.952	3.581f	318567	2112918	BelowCal	0.344
24) Hexachlor...	5.548	6.385	389527	3095203	BelowCal	0.712
25) Oxychlorane	7.036f	7.808	117396	112468	104477.317	BelowCal #
26) 2,4'-DDE	7.079	8.029	199224	201657	BelowCal	BelowCal
27) trans-Non...	7.264	8.056f	551044	443761	BelowCal	BelowCal
28) 2,4'-DDD	7.478	8.376f	223591	708506	BelowCal	0.153
29) 2,4'-DDT	7.645	8.623	101507	55161	BelowCal	BelowCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:08
 Operator : MJB
 Sample : 0090807-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:04:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

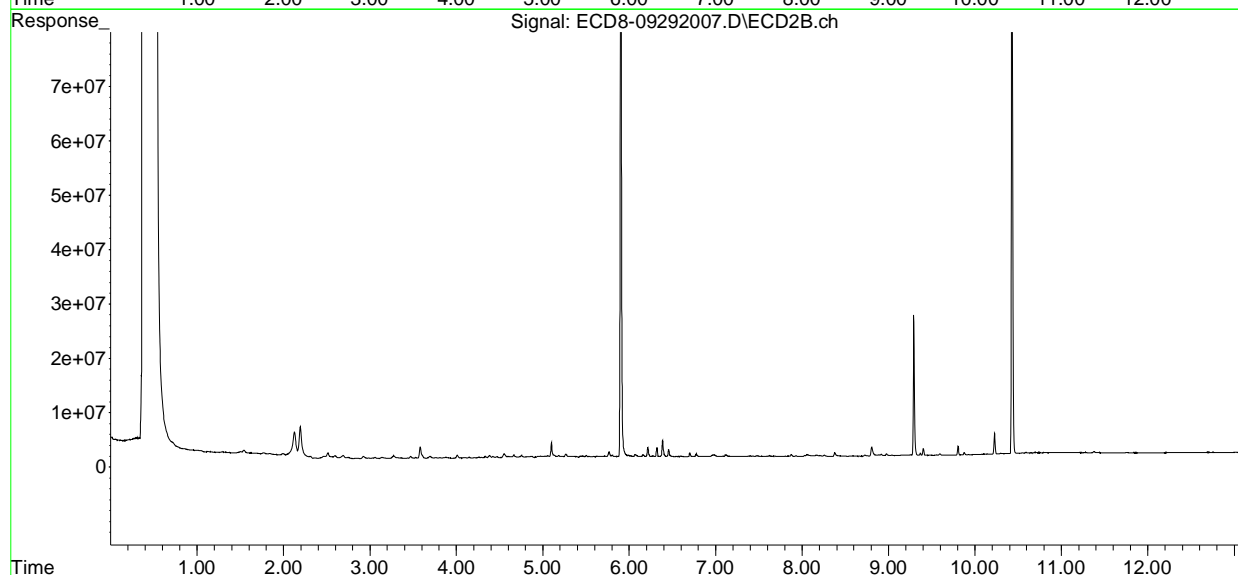
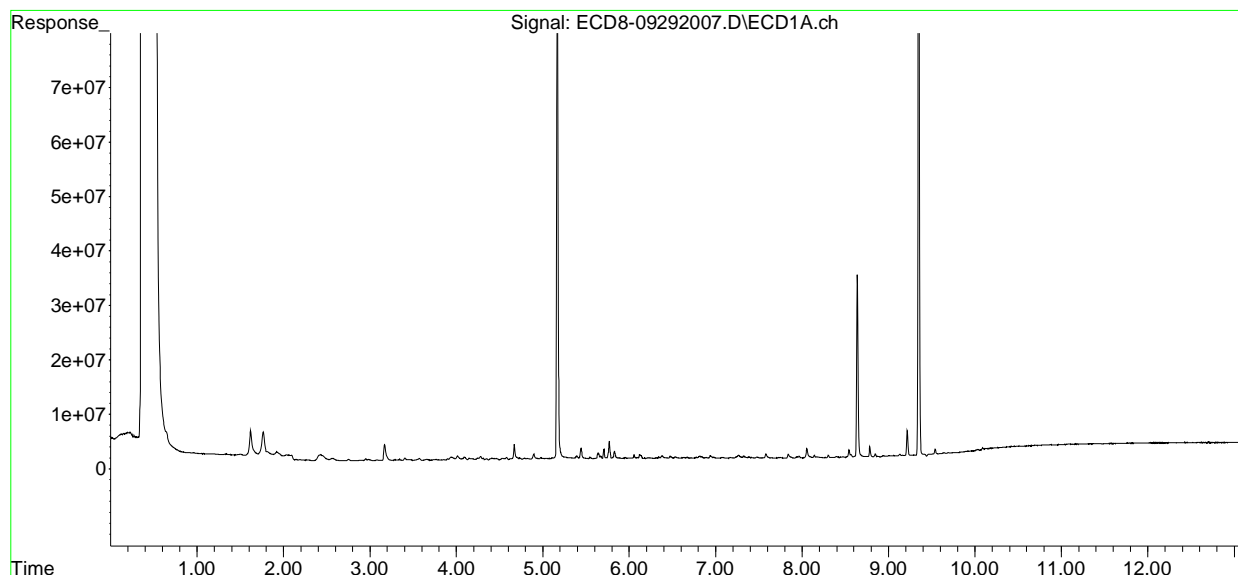
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.731	8.660	123323	42322	BelowCal	BelowCal
31)	Mirex	8.392	9.558	187015	171391	14904.382	BelowCal #
32)	Chlordane...	0.000	8.200f	0	186829	N.D.	0.423 #
33)	Chlordane...	7.529	0.000	100436	0	0.183	N.D. #
34)	Chlordane...	8.053	8.977	1735667	451213	11.967	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.325	8.427	465883	149280	27.083	4.937 #
37)	Toxaphene...	7.579f	8.752	736726	95080	19.572	2.420 #
38)	Toxaphene...	7.936f	8.805	227701	1703793	3.022	26.943 #
39)	Toxaphene...	8.172	8.889	212991	272172	BelowCal	BelowCal
40)	Toxaphene...	8.392	9.038	187015	204253	3.348	3.598
41)	Toxaphene...	8.448	9.438	86460	77968	1.125	1.204
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:08
Operator : MJB
Sample : 0090807-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

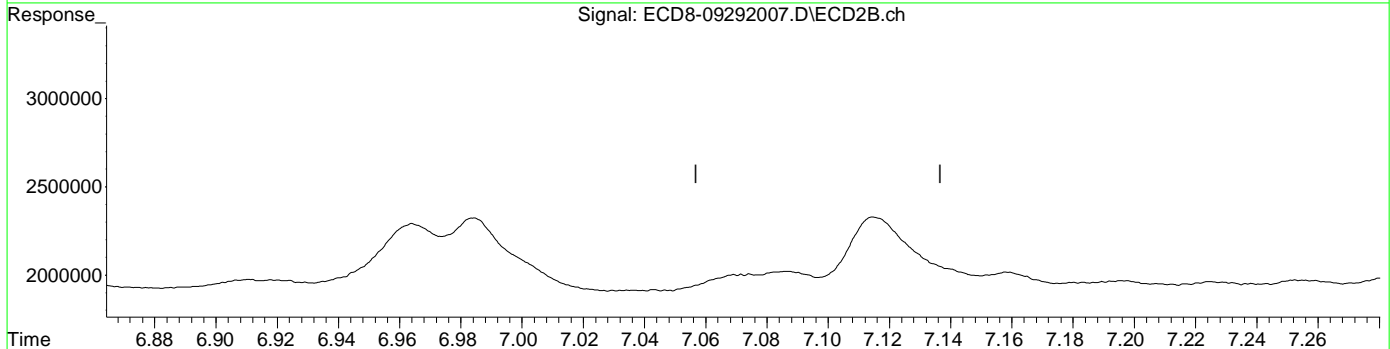
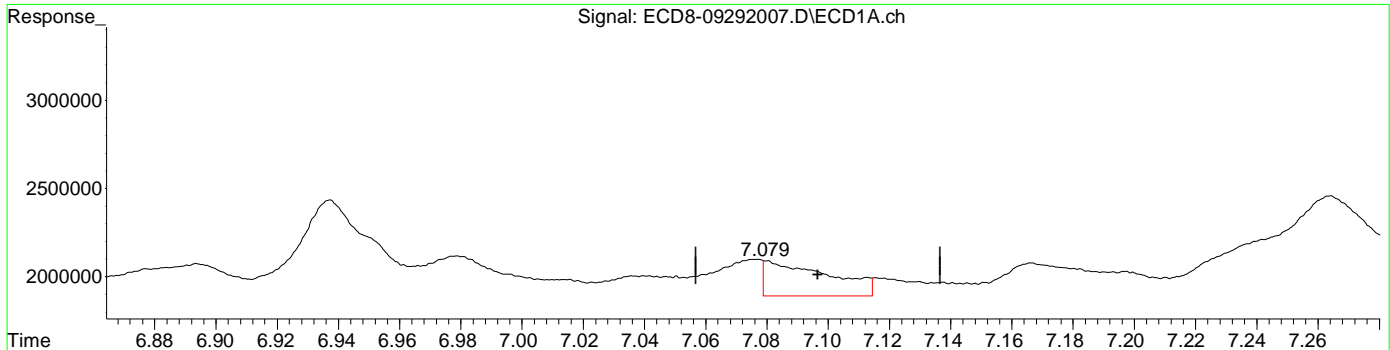
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:04:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:08
Operator : MJB
Sample : 0090807-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:04:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(26) 2,4'-DDE
7.079min -0.102 ng/mL m
response 199224

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(26) 2,4'-DDE #2
8.029min -0.114 ng/mL
response 201657

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:08
 Operator : MJB
 Sample : 0090807-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

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MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:04:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.169	5.904	98690559	98891767	26.441	28.172
22) S DCBP (S)	9.348	10.431	123.3E6	100.5E6	40.460	46.790
Target Compounds						
2) a-BHC	5.707	6.544f	1818536	108938	0.369	0.065 #
3) g-BHC	5.994	6.832	201441	88696	0.046	0.022 #
4) b-BHC	6.056	6.862f	785602	106070	0.396	0.056 #
5) Heptachlor	6.377	7.196	530025	103080	0.125	BelowCal #
6) d-BHC	6.181f	7.159	149814	153932	0.036	0.073 #
7) Aldrin	6.633	7.473	242223	197718	0.056	0.045
8) Heptachlo...	7.077	7.874	208767	426452	0.052	0.116 #
9) trans-Chl...	7.167	8.029	180691	201657	0.044	0.054
10) cis-Chlor...	7.264	8.137	551044	176887	0.134	0.050 #
11) Endosulfa...	7.383	8.200	296817	186829	0.079	0.056 #
12) 4,4'-DDE	7.325f	8.258	465883	236816	0.114	0.087
13) Dieldrin	7.529	8.376	100436	708506	0.024	0.193 #
14) Endrin	7.706	8.623	69719	55161	0.023	BelowCal #
15) 4,4'-DDD	7.748	8.660	129331	42322	0.039	0.022 #
16) Endosulfa...	7.838	8.752	695285	95080	0.215	0.032 #
17) 4,4'-DDT	7.965	8.889	340292	272172	0.110	0.090
18) Endrin Al...	8.138	8.977f	471193	451213	0.143	0.158
19) Endosulfa...	8.448	9.190	86460	113990	0.030	0.000 #
20) Methoxychlor	8.300	9.367	443628	469229	0.293	0.316
21) Endrin Ke...	8.637	9.594	33504051	337877	14.495	0.098 #
23) Hexachlor...	2.952	3.581f	318567	2112918	BelowCal	0.344
24) Hexachlor...	5.548	6.385	389527	3095203	BelowCal	0.712
25) Oxychlorane	7.036f	7.808	117396	112468	104477.317	BelowCal #
26) 2,4'-DDE	7.113	8.029	102834	201657	BelowCal	BelowCal
27) trans-Non...	7.264	8.056f	551044	443761	BelowCal	BelowCal
28) 2,4'-DDD	7.478	8.376f	223591	708506	BelowCal	0.153
29) 2,4'-DDT	7.645	8.623	101507	55161	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:08
 Operator : MJB
 Sample : 0090807-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:04:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

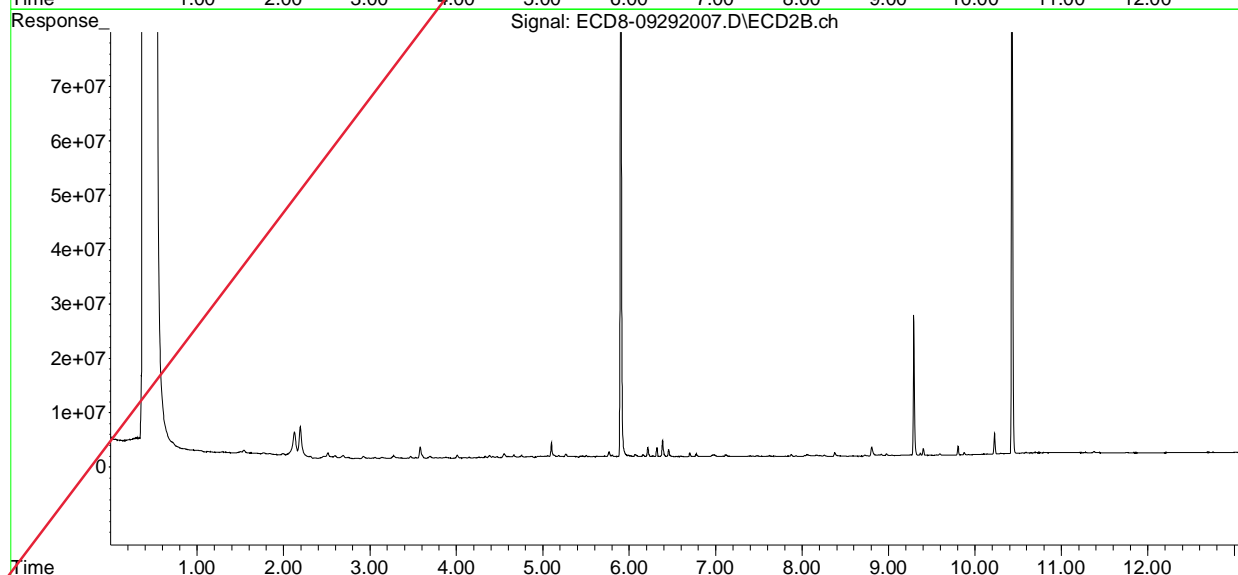
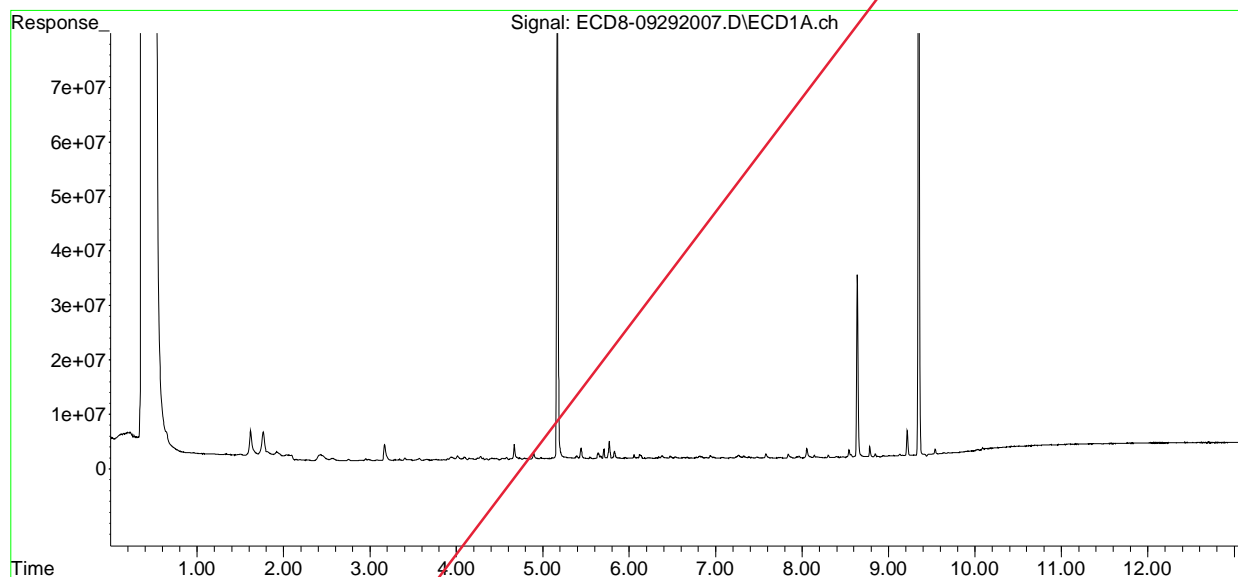
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.731	8.660	123323	42322	BelowCal	BelowCal
31)	Mirex	8.392	9.558	187015	171391	14904.382	BelowCal #
32)	Chlordane...	0.000	8.200f	0	186829	N.D.	0.423 #
33)	Chlordane...	7.529	0.000	100436	0	0.183	N.D. #
34)	Chlordane...	8.053	8.977	1735667	451213	11.967	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.325	8.427	465883	149280	27.083	4.937 #
37)	Toxaphene...	7.579f	8.752	736726	95080	19.572	2.420 #
38)	Toxaphene...	7.936f	8.805	227701	1703793	3.022	26.943 #
39)	Toxaphene...	8.172	8.889	212991	272172	BelowCal	BelowCal
40)	Toxaphene...	8.392	9.038	187015	204253	3.348	3.598
41)	Toxaphene...	8.448	9.438	86460	77968	1.125	1.204
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:08
Operator : MJB
Sample : 0090807-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:04:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:25
 Operator : MJB
 Sample : 0090807-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:22:29 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.169	5.904	100.3E6	97988462	26.880	27.914
22) S DCBP (S)	9.348	10.430	116.3E6	92816587	38.157	43.311
Target Compounds						
2) a-BHC	5.707	6.540f	1709465	78015	0.347	0.058 #
3) g-BHC	5.993	6.826	125932	57027	0.028	0.014 #
4) b-BHC	6.056	6.899	718594	74135	0.362	0.039 #
5) Heptachlor	6.377	7.193	443714	85080	0.105	BelowCal #
6) d-BHC	6.179f	7.160f	157507	112777	0.038	0.062 #
7) Aldrin	6.630	7.476f	184242	141687	0.042	0.030 #
8) Heptachlo...	7.097	7.874	96467547	531874	23.822	0.145 #
9) trans-Chl...	7.168	8.026	220159	92154856	0.053	24.871 #
10) cis-Chlor...	7.265	8.129	455363	303021	0.111	0.085 #
11) Endosulfa...	7.346f	8.167f	167.3E6	344245	44.334	0.104 #
12) 4,4'-DDE	7.346	8.247	167.3E6	164.2E6	40.916	44.370 #
13) Dieldrin	0.000	8.398	0	99647494	N.D.	27.095 #
14) Endrin	7.715	8.621	142105	108.3E6	0.047	41.827 #
15) 4,4'-DDD	7.761	8.661	148.5E6	139.9E6	44.468	45.424 #
16) Endosulfa...	7.836	8.769	653484	298147	0.202	0.102 #
17) 4,4'-DDT	7.959	8.887	145.7E6	135.9E6	47.154	47.806 #
18) Endrin Al...	8.139	9.009	380517	156279	0.116	0.055 #
19) Endosulfa...	8.448	9.188	60839	99499	0.021	BelowCal #
20) Methoxychlor	8.300	9.366	413361	425969	0.273	0.287 #
21) Endrin Ke...	8.637	9.594	33010322	277706	14.281	0.061 #
23) Hexachlor...	2.952	3.583f	330975	2040561	BelowCal	0.324 #
24) Hexachlor...	5.548	6.385	354078	3067552	BelowCal	0.703 #
25) Oxychlorane	7.000	7.805	138244	116937	104477.311	BelowCal #
26) 2,4'-DDE	7.097	8.026	96467547	92154856	37.210	39.556 #
27) trans-Non...	7.265	8.129f	455363	303021	BelowCal	BelowCal #
28) 2,4'-DDD	7.465	8.398	105.5E6	99647494	46.684	48.034 #
29) 2,4'-DDT	7.647	8.621	116.6E6	108.3E6	49.303	49.976 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:25
 Operator : MJB
 Sample : 0090807-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:22:29 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

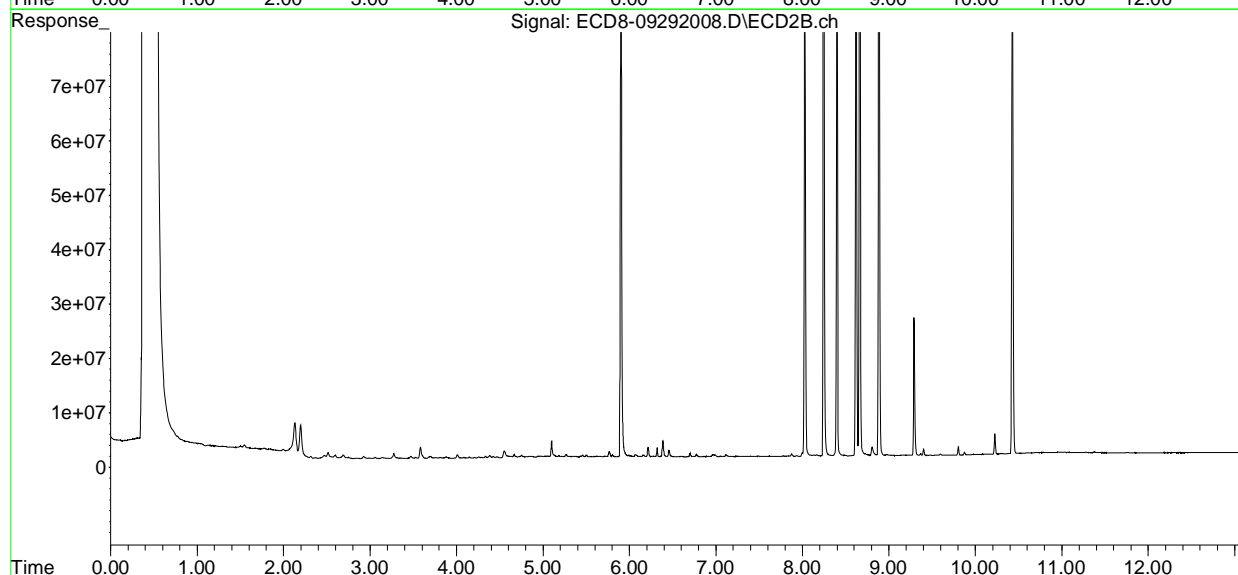
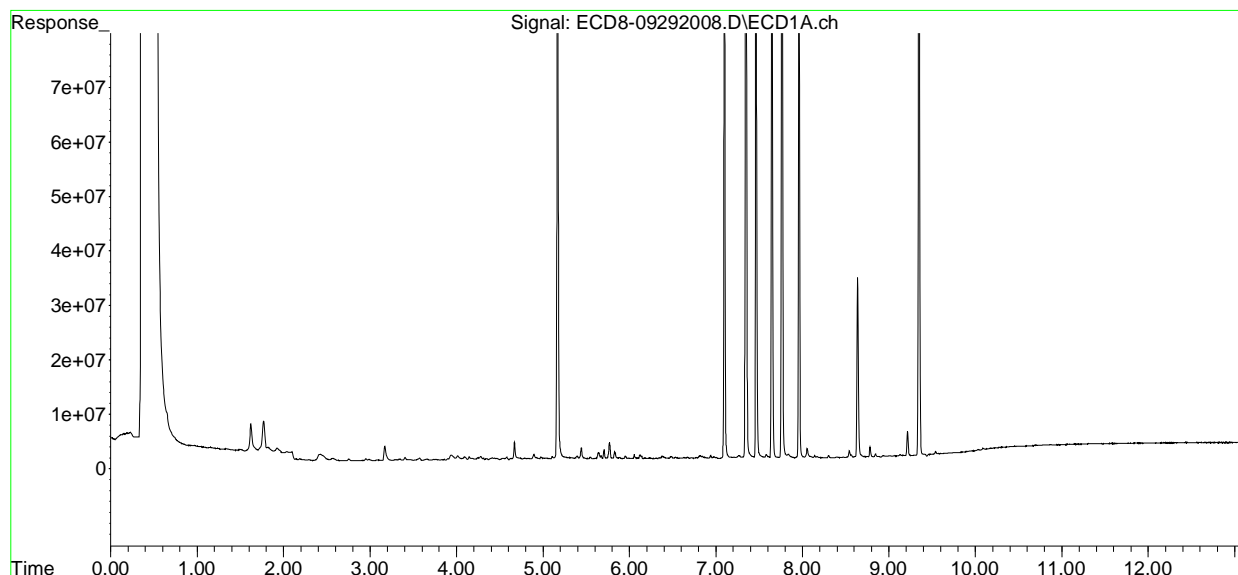
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.715f	8.661	142105	139.9E6	BelowCal	37.977
31)	Mirex	8.393	9.557	122544	138364	14904.407	BelowCal #
32)	Chlordane...	7.465f	8.247f	105.5E6	164.2E6	233.170	371.715 #
33)	Chlordane...	0.000	8.349	0	147347	N.D.	0.396 #
34)	Chlordane...	8.054	9.009	1719724	156279	11.857	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.299	8.398f	202838	99647494	11.792	3295.538 #
37)	Toxaphene...	7.580f	8.769	596715	298147	15.260	7.587 #
38)	Toxaphene...	0.000	8.805	0	1681665	N.D.	26.593 #
39)	Toxaphene...	8.169	8.887	229372	135.9E6	BelowCal	1295.579
40)	Toxaphene...	8.393	9.038	122544	178621	2.194	3.146 #
41)	Toxaphene...	8.448	9.437	60839	59312	0.791	0.916
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:25
Operator : MJB
Sample : 0090807-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:22:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:41
 Operator : MJB
 Sample : A0I0556-29RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:23:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	128.8E6	130.5E6	34.499	37.177
22) S DCBP (S)	9.348	10.432	137.9E6	96706491	45.261	45.065
Target Compounds						
2) a-BHC	5.706	6.524	6078482	3156299	1.234	0.754 #
3) g-BHC	5.955f	6.810	11206646	8897706	2.534	2.292
4) b-BHC	6.056	6.896	32406304	4507898	16.322	2.391 #
5) Heptachlor	6.392	7.205	53983530	8631509	12.751	2.226 #
6) d-BHC	6.190	7.160f	6663146	47652227	1.615	12.365 #
7) Aldrin	6.661f	7.457	4650870	2589883	1.066	0.699 #
8) Heptachlo...	7.101	7.882	8284130	22045617	2.046	6.022 #
9) trans-Chl...	7.170	8.041	10419173	7890733	2.518	2.130
10) cis-Chlor...	7.281	8.113f	11612329	5403041	2.832	1.523 #
11) Endosulfa...	7.369	8.188	4481041	2999625	1.188	0.906
12) 4,4'-DDE	7.331	8.246	22988706	6132892	5.623	1.800 # MDL=MRL
13) Dieldrin	7.552	8.374	104.4E6	52395728	24.696	14.247 #
14) Endrin	7.705	8.625	29430805	139.8E6	9.734	53.058 #
15) 4,4'-DDD	7.745	8.659	161.6E6	6966070	48.369	2.435 # R-02
16) Endosulfa...	7.868	8.772	4052248	25840008	1.253	8.808 #
17) 4,4'-DDT	7.953	8.891	48373599	117.1E6	15.655m	R-02 1.701 # P-01
18) Endrin Al...	8.137	8.989	15076161	48925105	4.579	17.186 #
19) Endosulfa...	8.444	9.166f	18426318	99785761	6.362	39.362 #
20) Methoxychlor	8.310	9.380	19195873	6755570	12.666	4.556 #
21) Endrin Ke...	8.621	9.599	44025796	100.5E6	19.047	54.813 #
23) Hexachlor...	2.950	3.606	1756686	1584594	0.276	0.201 #
24) Hexachlor...	5.545	6.365	6278711	5421670	1.541	1.419
25) Oxychlorane	0.000	7.813	0	5094646	N.D.	1.535 #
26) 2,4'-DDE	7.101	8.009	8284130	32510428	3.061	R-02 14.297m # P-01
27) trans-Non...	7.281	8.096	11612329	4567851	2.862	1.185 #
28) 2,4'-DDD	7.455	8.380	49129060	30918111	21.734	15.403m # R-02
29) 2,4'-DDT	7.625f	8.625	11759226	139.8E6	4.887m	R-02 63.444 # P-01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:41
 Operator : MJB
 Sample : A0I0556-29RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:23:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

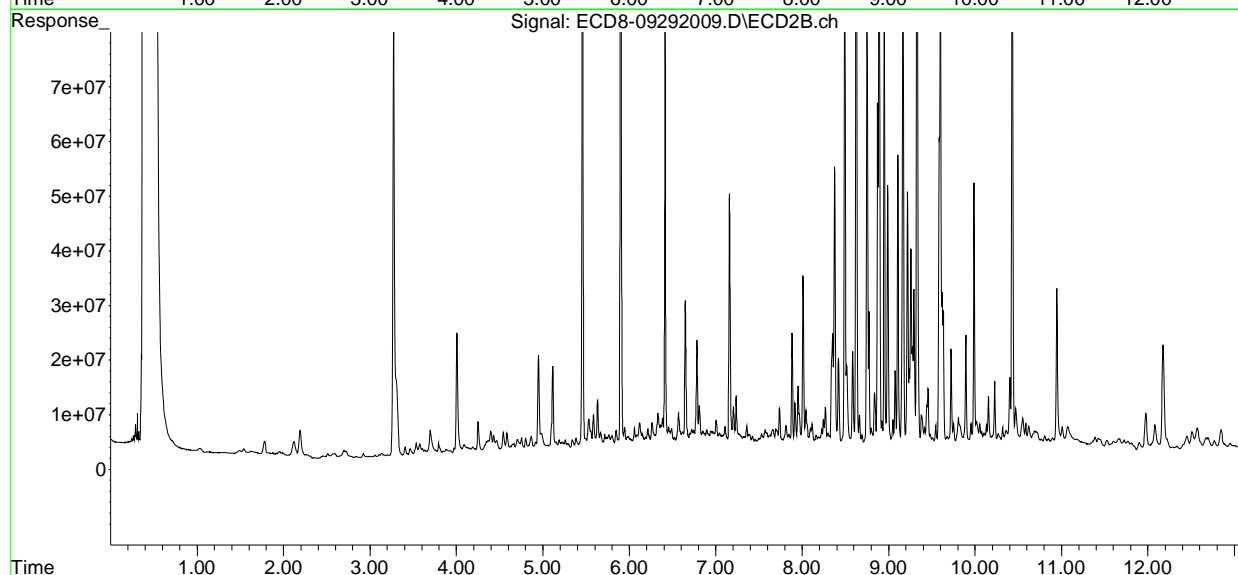
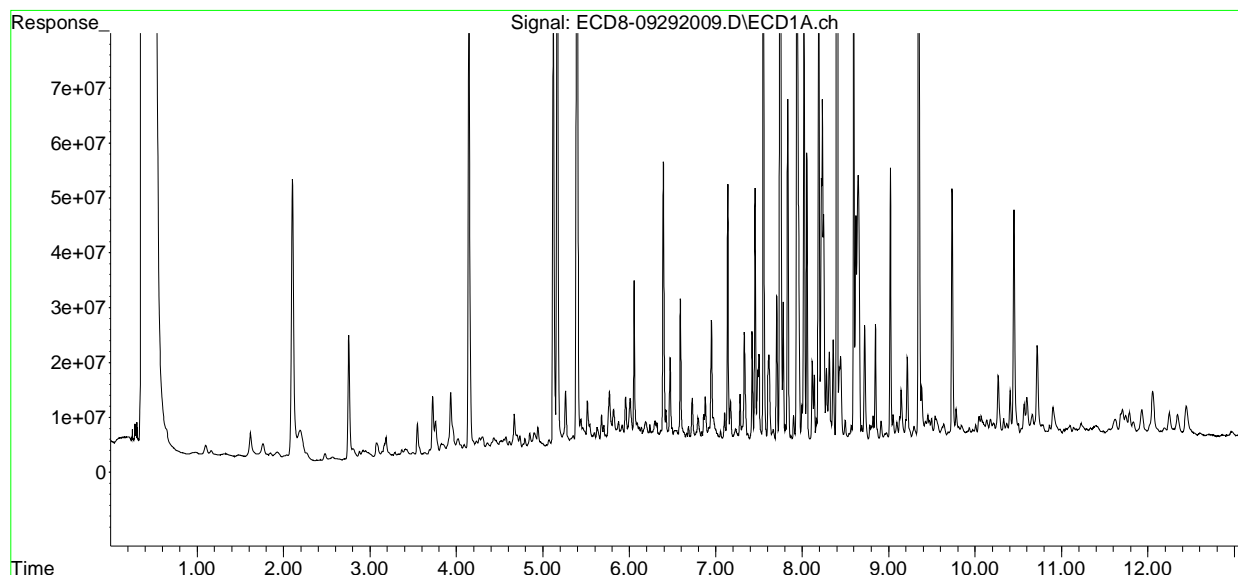
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.745	8.659	161.6E6	6966070	39.390	1.801 #
31)	Mirex	8.401	9.599f	229.3E6	100.5E6	87.954	45.593 #
32)	Chlordane...	7.421	8.224	23011585	4453709	50.867	10.081 #
33)	Chlordane...	7.498f	8.315	18894508	3108797	34.341	8.352 #
34)	Chlordane...	8.053	8.989	55418372	48925105	382.097	431.117
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.331	8.421	22988706	17335474	1336.401	573.318 #
37)	Toxaphene...	7.614	8.772	18826481	25840008	579.197	657.558
38)	Toxaphene...	7.901	8.799	7693370	4419655	102.103	69.891 #
39)	Toxaphene...	8.166	8.873	7155038	63834902	102.086	647.117 #
40)	Toxaphene...	8.401f	9.049	229.3E6	5953765	4106.130	104.865 #
41)	Toxaphene...	8.444	9.416	18426318	4435841	239.687	68.510 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

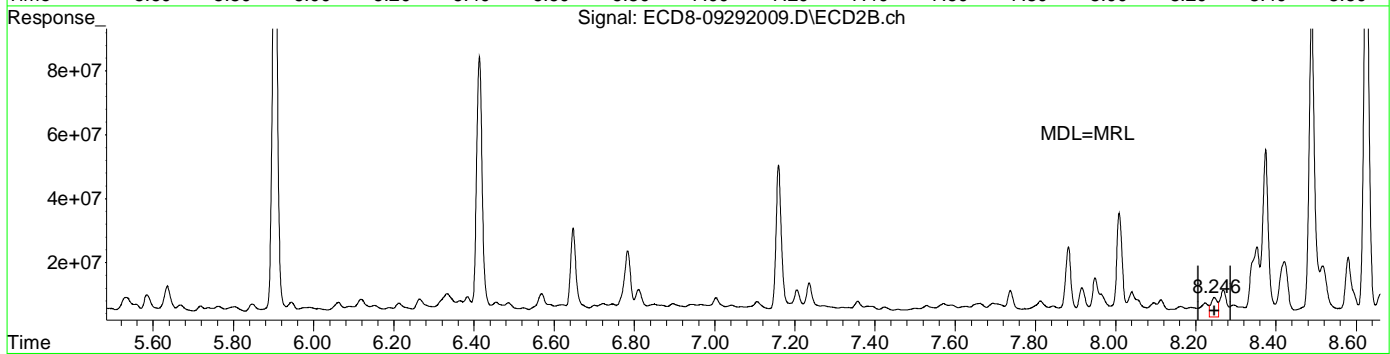
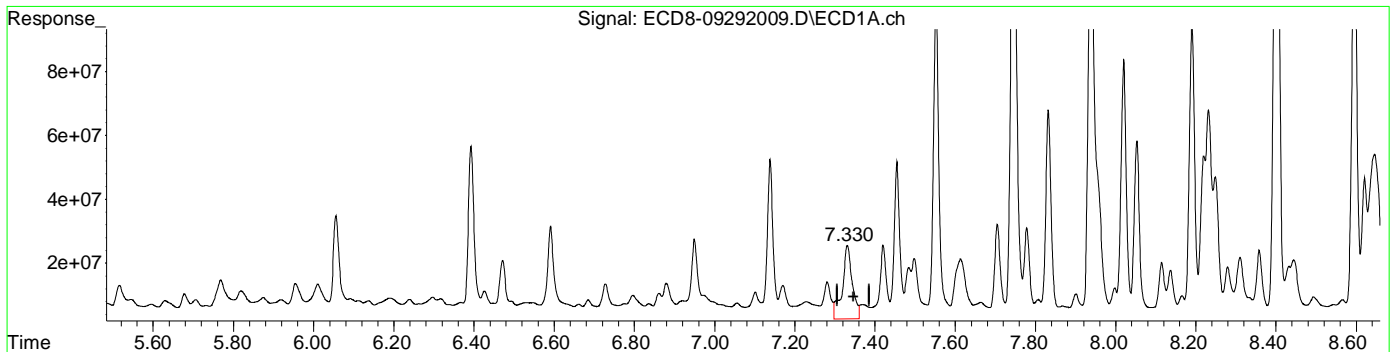
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.331min 5.623 ng/mL
response 22988706

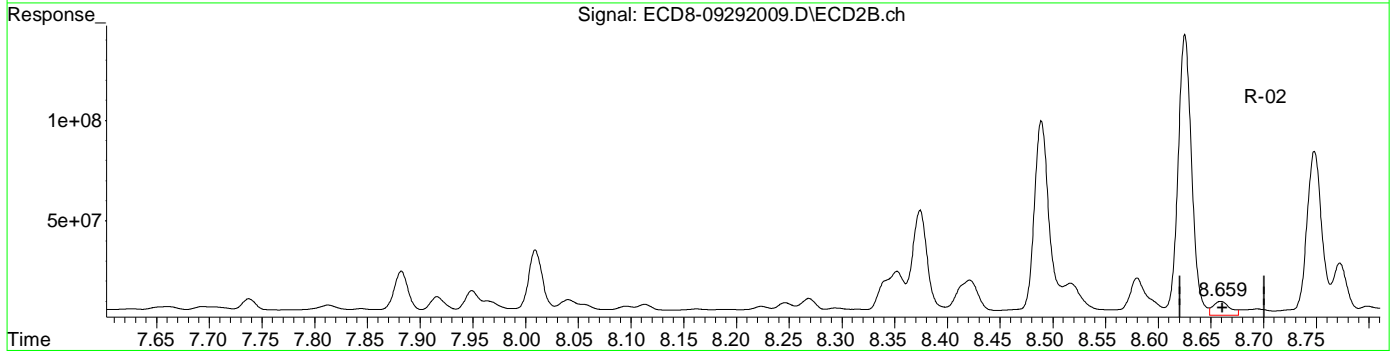
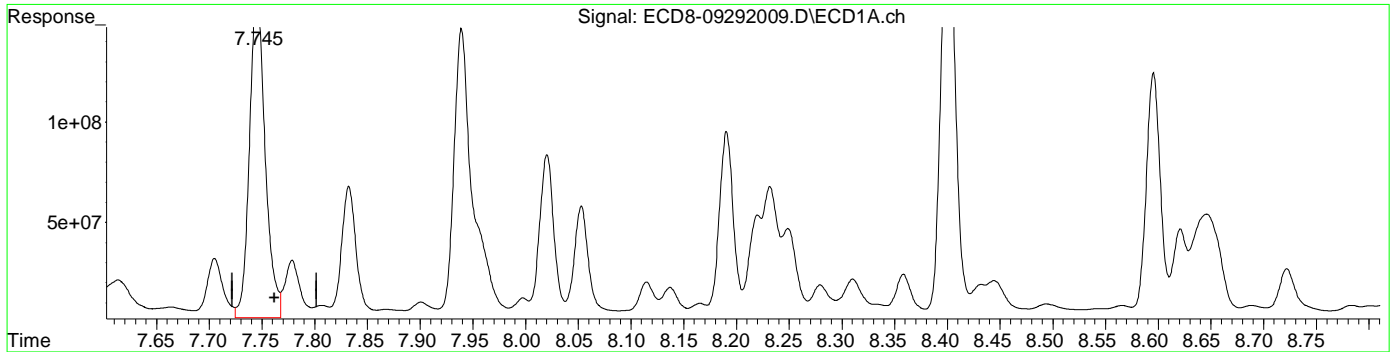
MJB 9/29/20

(12) 4,4'-DDE #2
8.246min 1.800 ng/mL
response 6132892

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

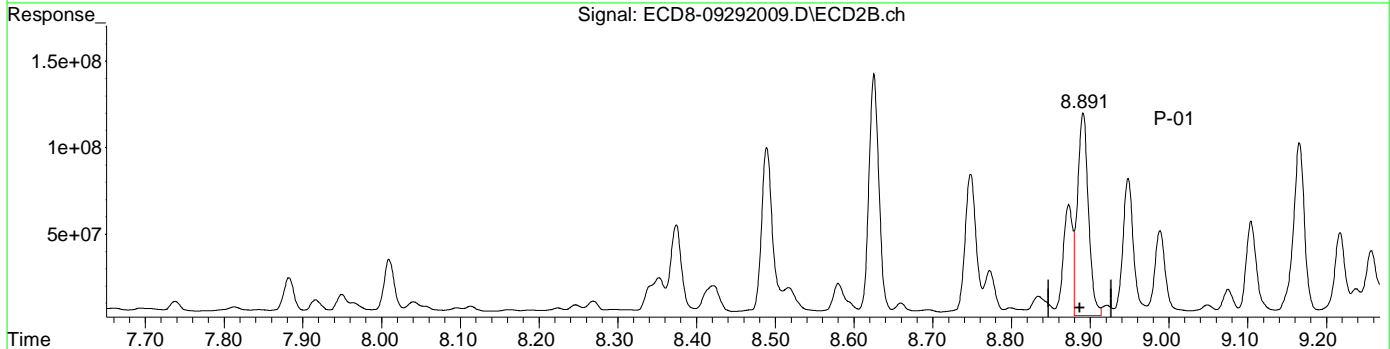
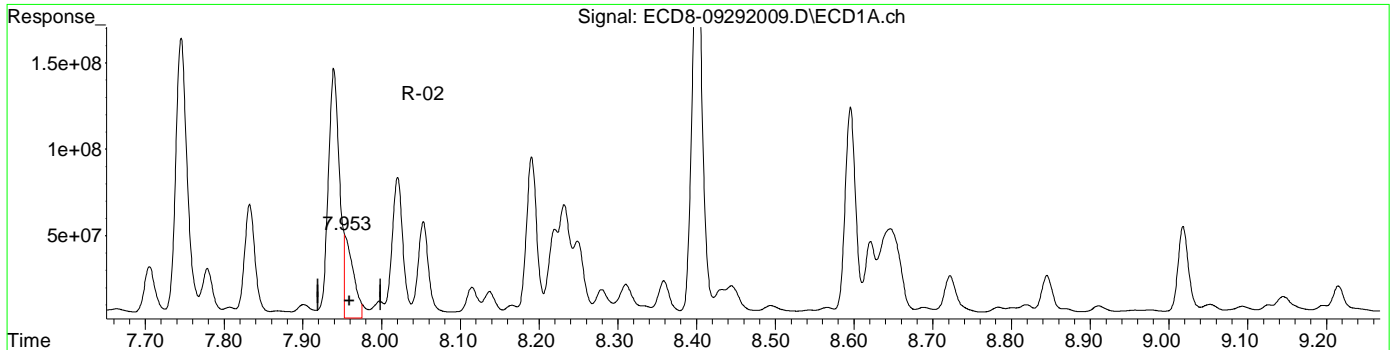
(15) 4,4'-DDD	7.745min	48.369 ng/mL	response 161550734
(15) 4,4'-DDD #2	8.659min	2.435 ng/mL	response 6966070

MJB 9/29/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



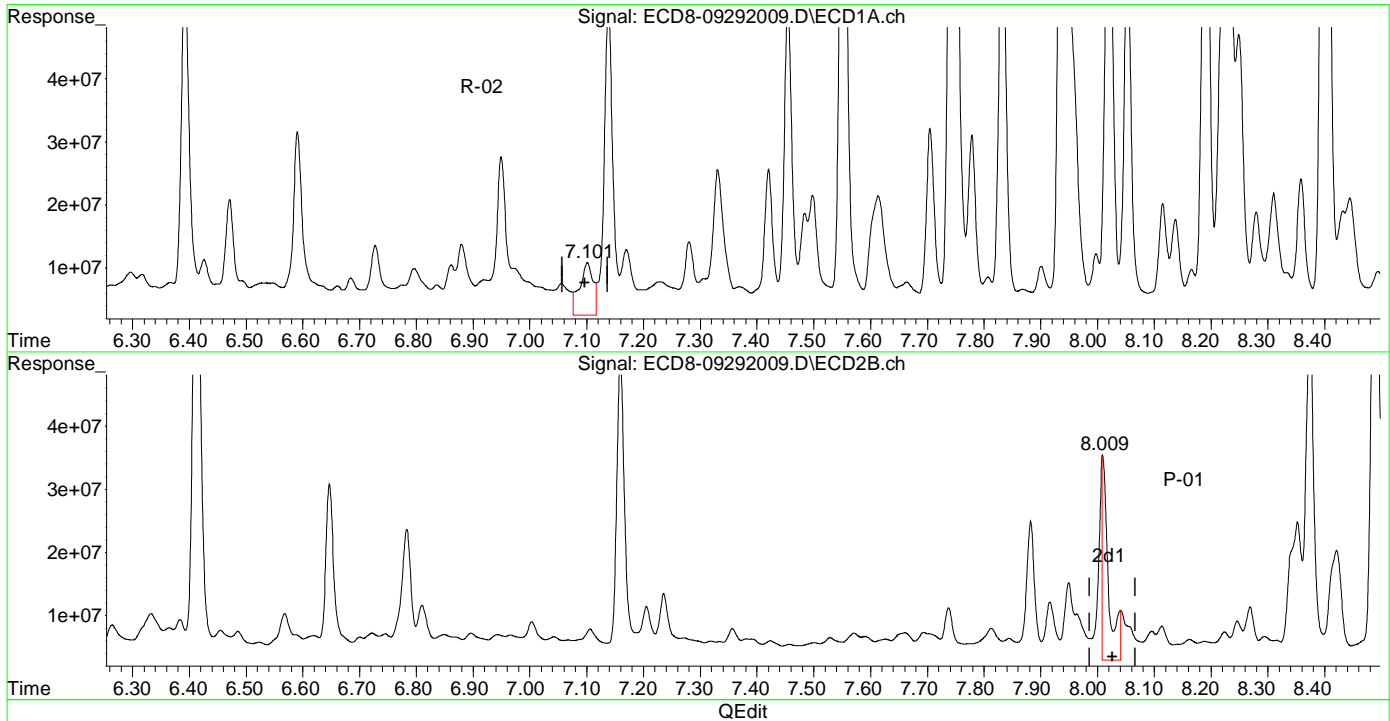
QEdit

(17) 4,4'-DDT	MJB 9/29/20
7.953min 15.655 ng/mL m	
response 48373599	
 (17) 4,4'-DDT #2	
8.891min 41.701 ng/mL	
response 117095079	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.101min 3.061 ng/mL
response 8284130

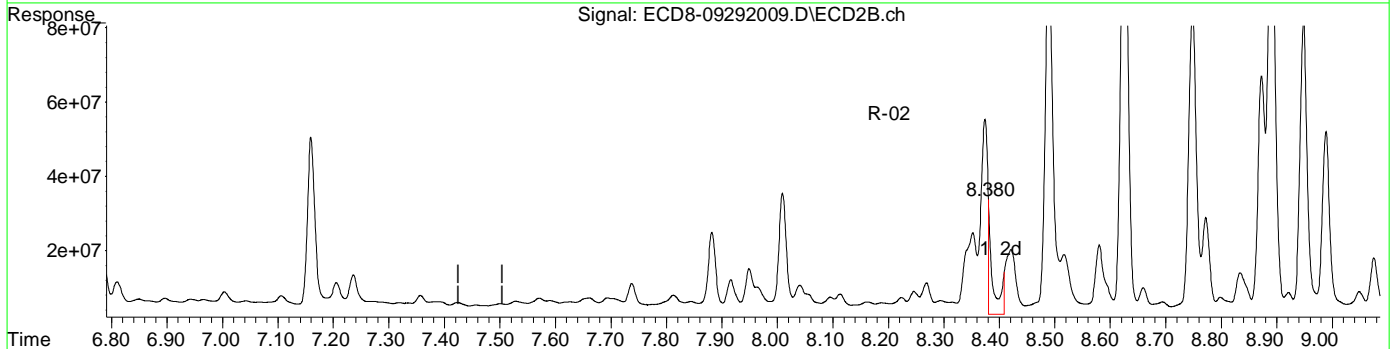
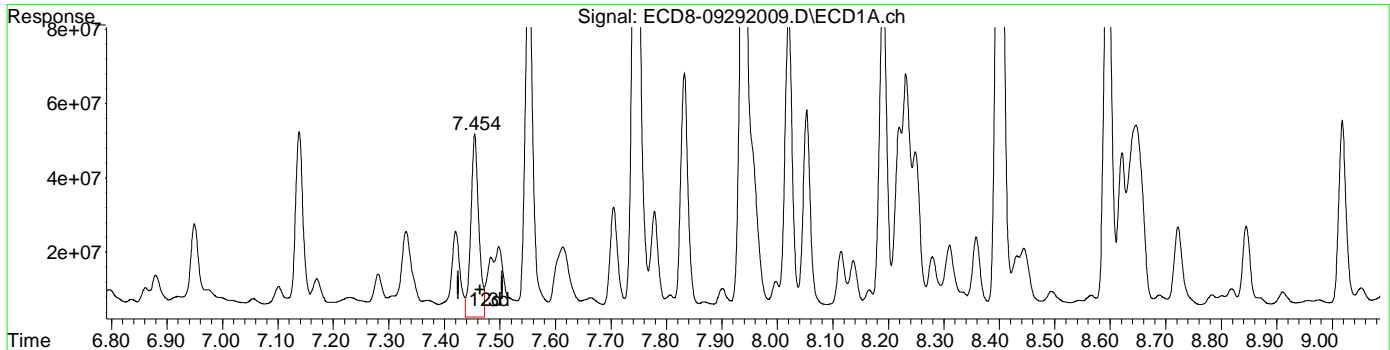
MJB 9/29/20

(26) 2,4'-DDE #2
8.009min 14.297 ng/mL m
response 32510428

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.455min 21.734 ng/mL
response 49129060

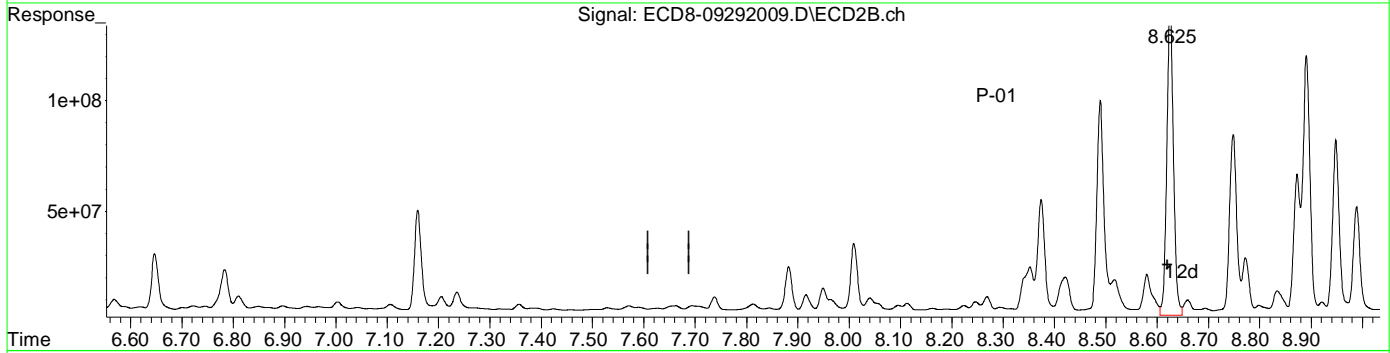
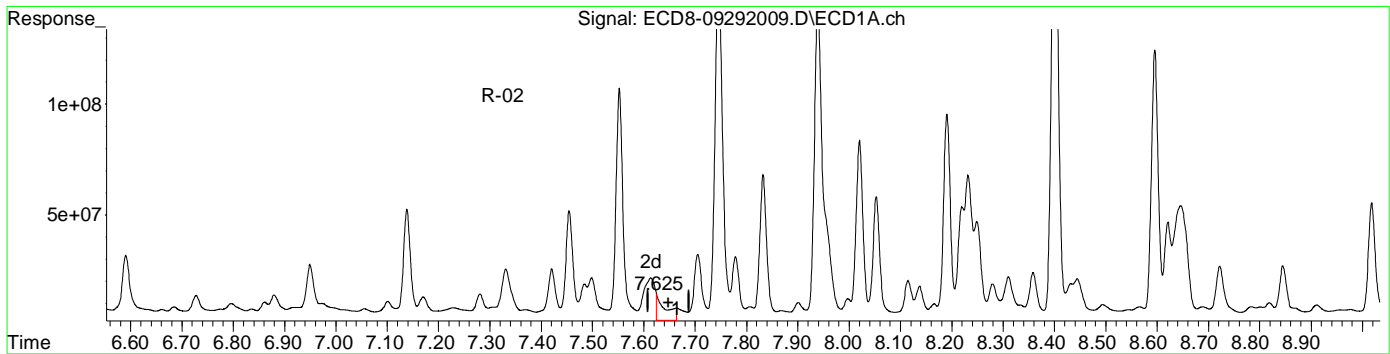
MJB 9/29/20

(28) 2,4'-DDD #2
8.380min 15.403 ng/mL m
response 30918111

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(29) 2,4'-DDT
7.625min 4.887 ng/mL m
response 11759226

MJB 9/29/20

(29) 2,4'-DDT #2
8.625min 63.444 ng/mL
response 139821697

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:41
 Operator : MJB
 Sample : A0I0556-29RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

MI

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:23:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	128.8E6	130.5E6	34.499	37.177
22) S DCBP (S)	9.348	10.432	137.9E6	96706491	45.261	45.065
Target Compounds						
2) a-BHC	5.706	6.524	6078482	3156299	1.234	0.754 #
3) g-BHC	5.955f	6.810	11206646	8897706	2.534	2.292
4) b-BHC	6.056	6.896	32406304	4507898	16.322	2.391 #
5) Heptachlor	6.392	7.205	53983530	8631509	12.751	2.226 #
6) d-BHC	6.190	7.160f	6663146	47652227	1.615	12.365 #
7) Aldrin	6.661f	7.457	4650870	2589883	1.066	0.699 #
8) Heptachlo...	7.101	7.882	8284130	22045617	2.046	6.022 #
9) trans-Chl...	7.170	8.041	10419173	7890733	2.518	2.130
10) cis-Chlor...	7.281	8.113f	11612329	5403041	2.832	1.523 #
11) Endosulfa...	7.369	8.188	4481041	2999625	1.188	0.906
12) 4,4'-DDE	7.331	8.246	22988706	6132892	5.623	1.800 #
13) Dieldrin	7.552	8.374	104.4E6	52395728	24.696	14.247 #
14) Endrin	7.705	8.625	29430805	139.8E6	9.734	53.058 #
15) 4,4'-DDD	7.745	8.659	161.6E6	6966070	48.369	2.435 #
16) Endosulfa...	7.868	8.772	4052248	25840008	1.253	8.808 #
17) 4,4'-DDT	7.939	8.891	144.0E6	117.1E6	46.617	41.701
18) Endrin Al...	8.137	8.989	15076161	48925105	4.579	17.186 #
19) Endosulfa...	8.444	9.166f	18426318	99785761	6.362	39.362 #
20) Methoxychlor	8.310	9.380	19195873	6755570	12.666	4.556 #
21) Endrin Ke...	8.621	9.599	44025796	100.5E6	19.047	54.813 #
23) Hexachlor...	2.950	3.606	1756686	1584594	0.276	0.201 #
24) Hexachlor...	5.545	6.365	6278711	5421670	1.541	1.419
25) Oxychlorane	0.000	7.813	0	5094646	N.D.	1.535 #
26) 2,4'-DDE	7.101	8.041	8284130	7890733	3.061	3.366
27) trans-Non...	7.281	8.096	11612329	4567851	2.862	1.185 #
28) 2,4'-DDD	7.455	8.374f	49129060	52395728	21.734	25.889
29) 2,4'-DDT	7.664	8.625	5137427	139.8E6	2.034	63.444 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:41
 Operator : MJB
 Sample : A0I0556-29RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:23:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

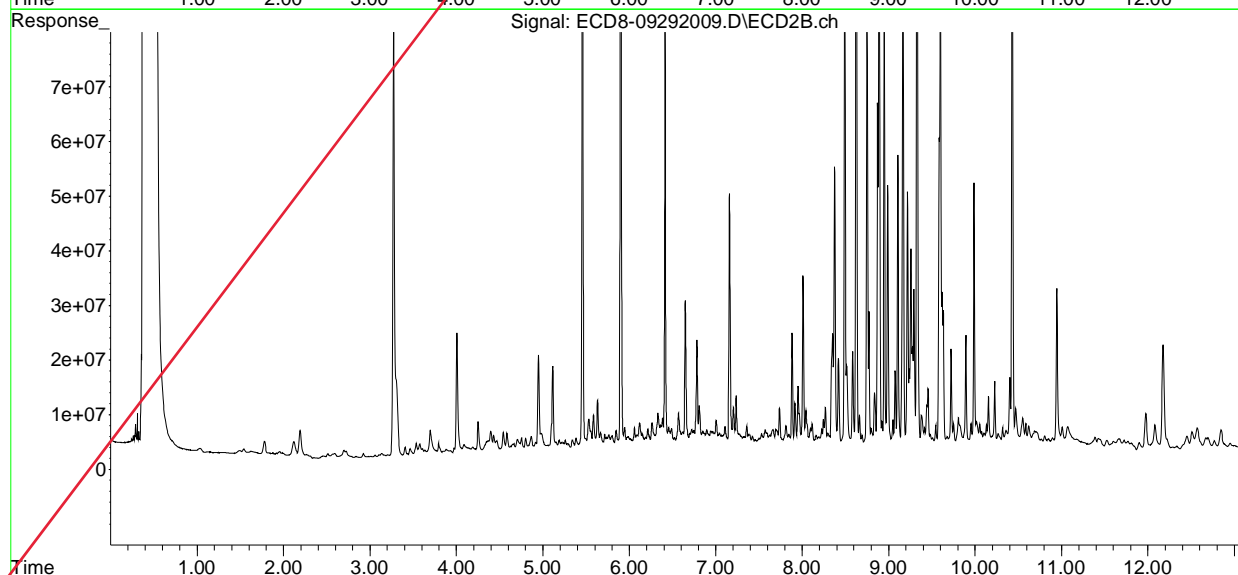
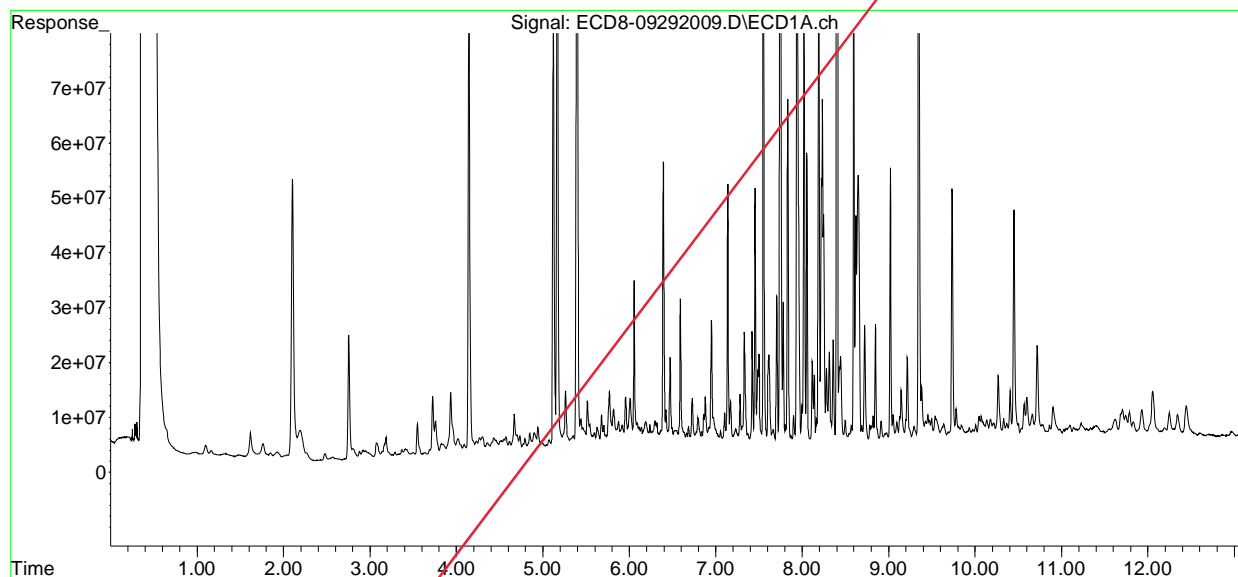
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.745	8.659	161.6E6	6966070	39.390	1.801 #
31)	Mirex	8.401	9.599f	229.3E6	100.5E6	87.954	45.593 #
32)	Chlordane...	7.421	8.224	23011585	4453709	50.867	10.081 #
33)	Chlordane...	7.498f	8.315	18894508	3108797	34.341	8.352 #
34)	Chlordane...	8.053	8.989	55418372	48925105	382.097	431.117
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.331	8.421	22988706	17335474	1336.401	573.318 #
37)	Toxaphene...	7.614	8.772	18826481	25840008	579.197	657.558
38)	Toxaphene...	7.901	8.799	7693370	4419655	102.103	69.891 #
39)	Toxaphene...	8.166	8.873	7155038	63834902	102.086	647.117 #
40)	Toxaphene...	8.401f	9.049	229.3E6	5953765	4106.130	104.865 #
41)	Toxaphene...	8.444	9.416	18426318	4435841	239.687	68.510 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:41
Operator : MJB
Sample : A0I0556-29RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:23:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:58
 Operator : MJB
 Sample : 0090807-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:35:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.167	5.903	120.5E6	118.4E6	32.274	33.718
22) S DCBP (S)	9.349	10.431	134.1E6	93115905	43.996	43.446
Target Compounds						
2) a-BHC	5.706	6.525f	5142304	2791200	1.044	0.672 #
3) g-BHC	5.953f	6.809	10392624	10191378	2.350	2.624
4) b-BHC	6.054	6.895	31988522	4668274	16.112	2.476 #
5) Heptachlor	6.392	7.204	17202168	7640352	4.063	1.967 #
6) d-BHC	6.190	7.159f	6049904	12393263	1.467	3.284 #
7) Aldrin	6.660f	7.456	3515425	2237436	0.806	0.603 #
8) Heptachlo...	7.096	7.876	4131265	3400131	1.020	0.929
9) trans-Chl...	7.170	8.039	8600565	8210358	2.079	2.216
10) cis-Chlor...	7.280	8.162f	11492163	2968982	2.802	0.837 #
11) Endosulfa...	7.375	8.188	2989244	2588103	0.792	0.781
12) 4,4'-DDE	7.345	8.246	6767138	5941418	1.655	1.745 MDL=MRL
13) Dieldrin	7.553	8.369	3961077	14334819	0.937	3.898 #
14) Endrin	7.705	8.609	15345484	2785936	5.075	1.118 #
15) 4,4'-DDD	7.760	8.659	10924253	8987308	3.271	3.136 R-02
16) Endosulfa...	7.871	8.750	2628795	2514628	0.813	0.857
17) 4,4'-DDT	7.972	8.892	4874375	3396937	1.578 MDL=MRL	1.303
18) Endrin Al...	8.132	9.009	4049353	2612348	1.230	0.918 #
19) Endosulfa...	8.444	9.202	18551956	5962343	6.405	2.450 #
20) Methoxychlor	8.315	9.348	10081500	3797521	6.652	2.561 #
21) Endrin Ke...	8.637	9.582	34226041	5138186	14.807	3.016 #
23) Hexachlor...	2.952	3.637f	1482298	1653522	0.196	0.219
24) Hexachlor...	5.544	6.383	4512431	6648488	1.043	1.791 #
25) Oxychlorane	7.011	7.811	4160018	4766752	1.033	1.421 #
26) 2,4'-DDE	7.096	8.039	4131265	8210358	1.437 MDL=MRL	3.510 # P-01
27) trans-Non...	7.280	8.093	11492163	3256687	2.830	0.772 #
28) 2,4'-DDD	7.464	8.383	7083758	4660761	2.977	2.183m# R-02
29) 2,4'-DDT	7.631	8.622	4793066	2786071	1.885 MDL=MRL	1.181 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:58
 Operator : MJB
 Sample : 0090807-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:35:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

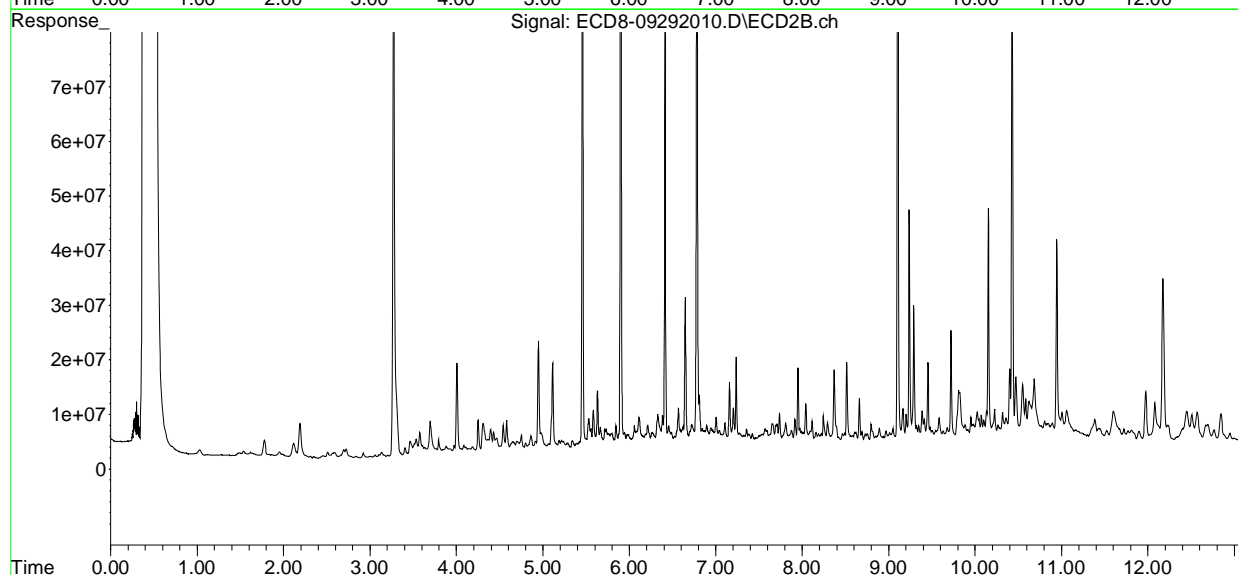
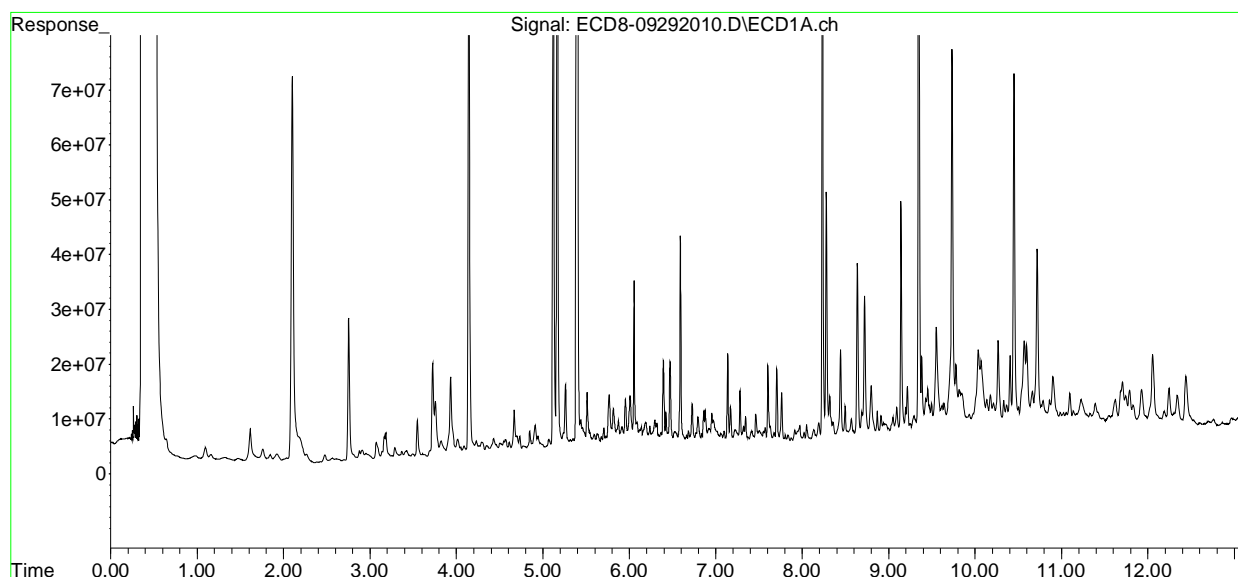
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.760f	8.659	10924253	8987308	2.507	2.374
31)	Mirex	8.357f	9.582	5379878	5138186	1.771	2.026
32)	Chlordane...	7.417	8.219	4113112	2754103	9.092	6.234 #
33)	Chlordane...	7.502f	8.369f	4112830	14334819	7.475	38.511 #
34)	Chlordane...	8.092f	9.009	2568240	2612348	17.707	14.777
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.320	8.422	4964065	2006106	288.576	66.346 #
37)	Toxaphene...	7.602	8.750	16000799	2514628	491.449	63.991 #
38)	Toxaphene...	7.914	8.798	4097815	4224569	54.385	66.806
39)	Toxaphene...	8.132f	8.892f	4049353	3396937	55.728	30.117 #
40)	Toxaphene...	8.357f	9.050	5379878	3357867	96.325	59.143 #
41)	Toxaphene...	8.444	9.412	18551956	5090254	241.321	78.617 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

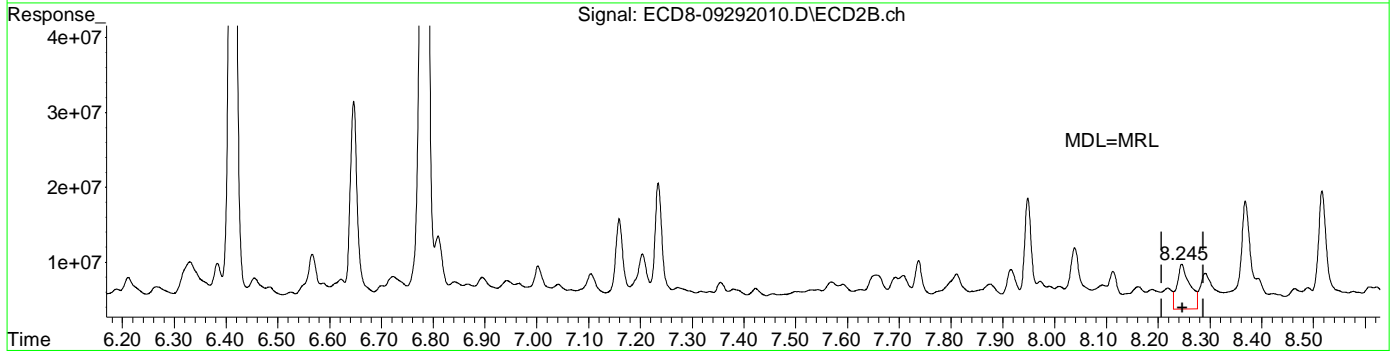
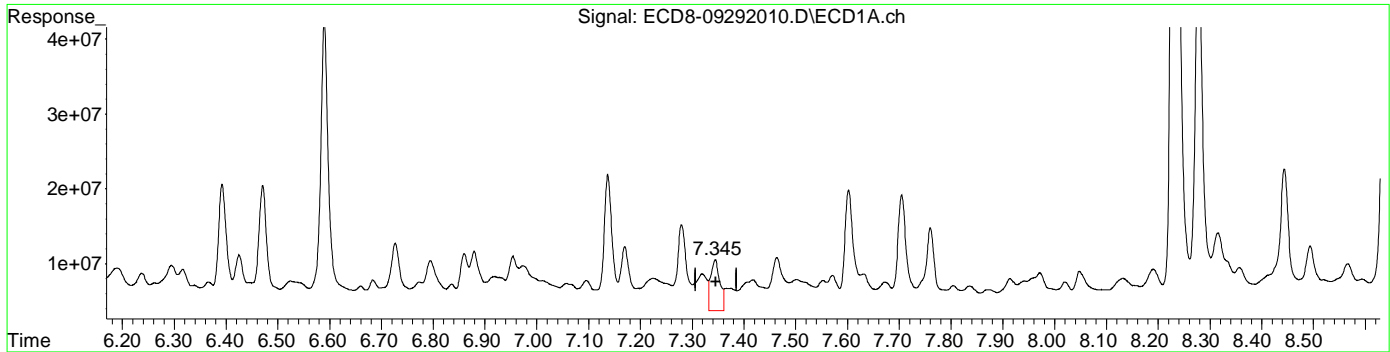
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.345min 1.655 ng/mL
response 6767138

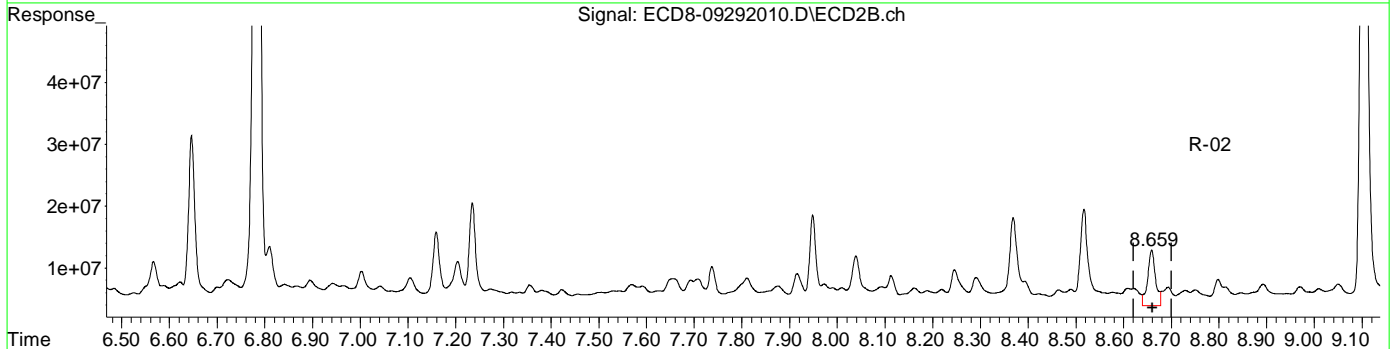
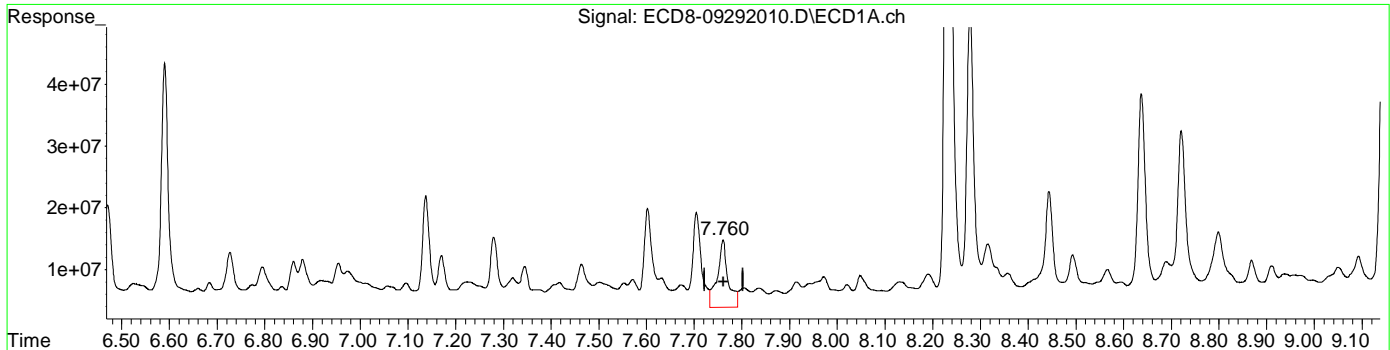
MJB 9/29/20

(12) 4,4'-DDE #2
8.246min 1.745 ng/mL
response 5941418

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.760min 3.271 ng/mL
response 10924253

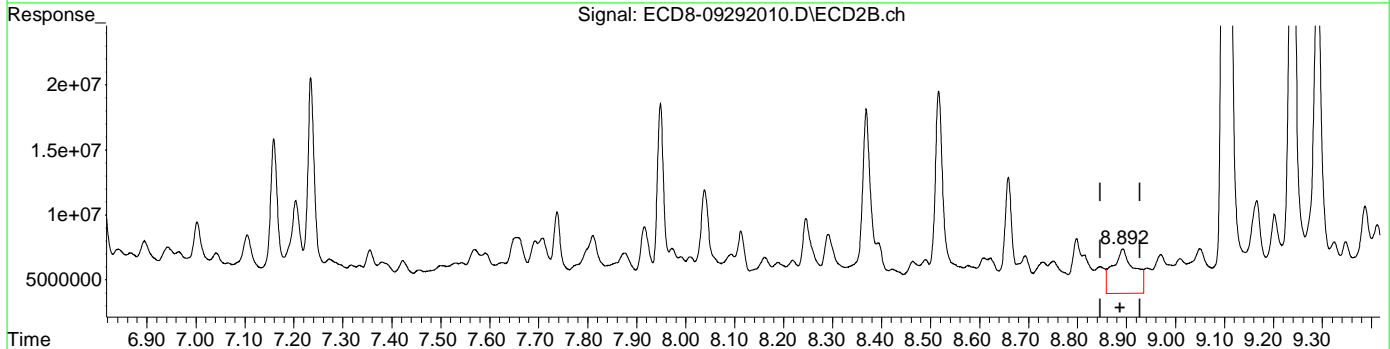
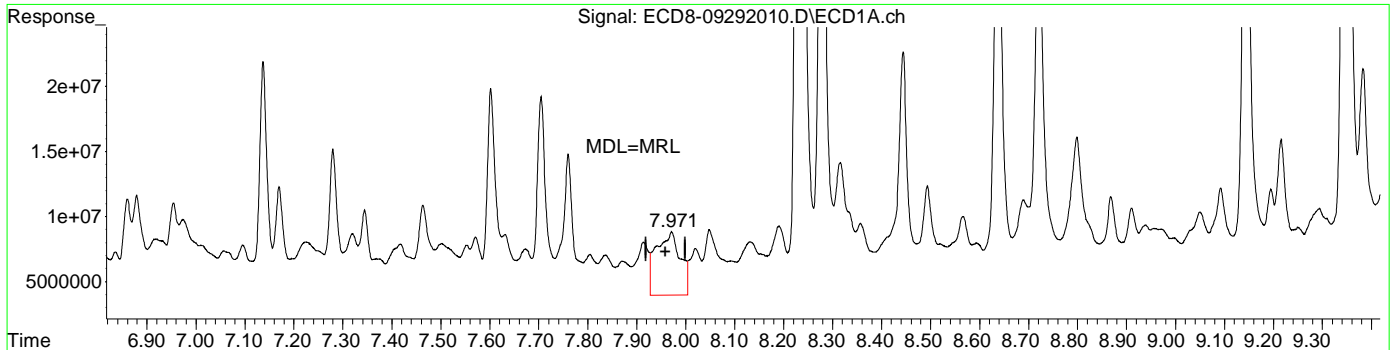
MJB 9/29/20

(15) 4,4'-DDD #2
8.659min 3.136 ng/mL
response 8987308

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(17) 4,4'-DDT
7.972min 1.578 ng/mL
response 4874375

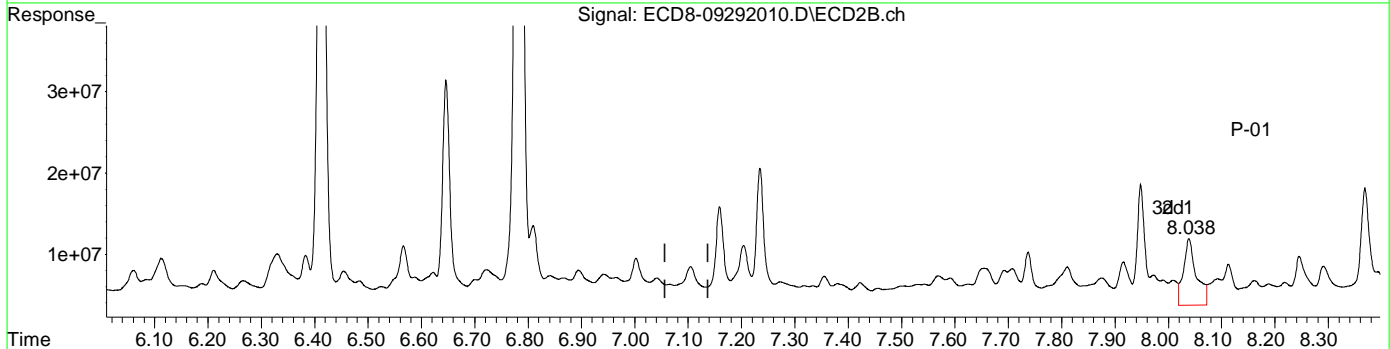
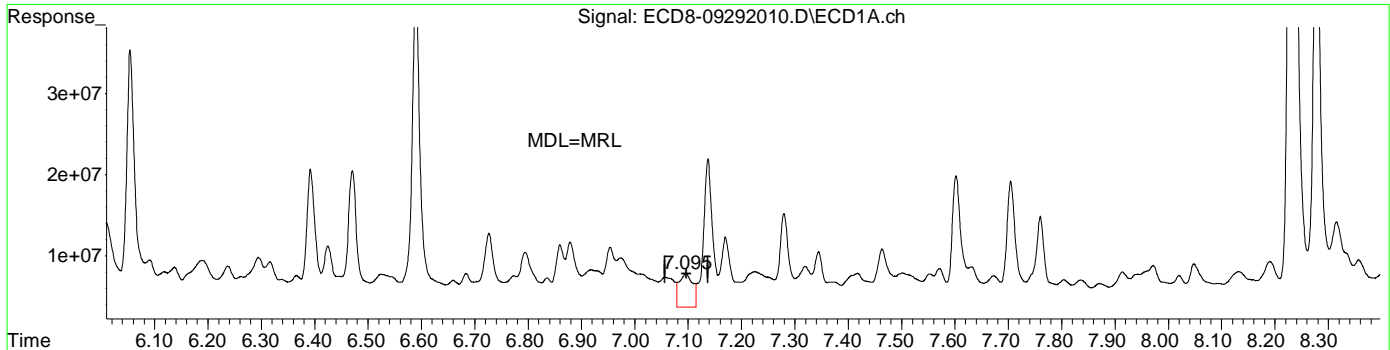
MJB 9/29/20

(17) 4,4'-DDT #2
8.892min 1.303 ng/mL
response 3396937

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



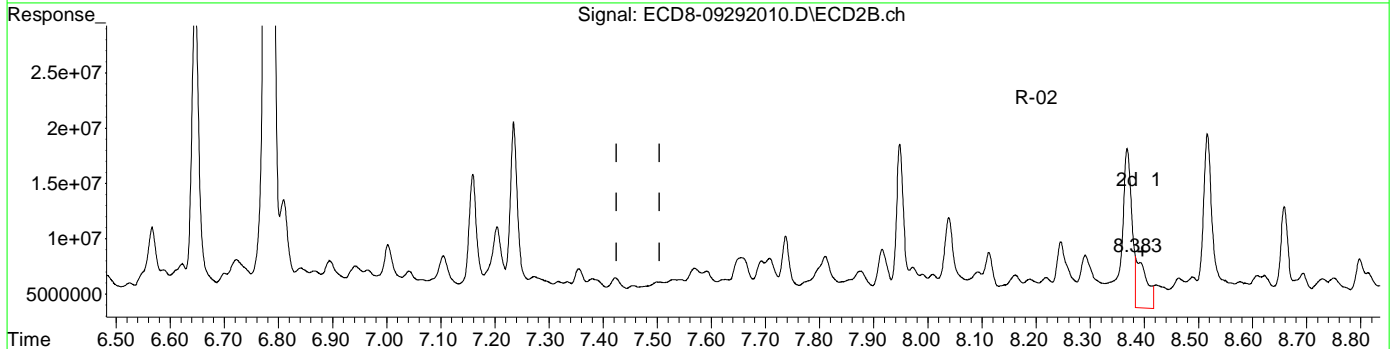
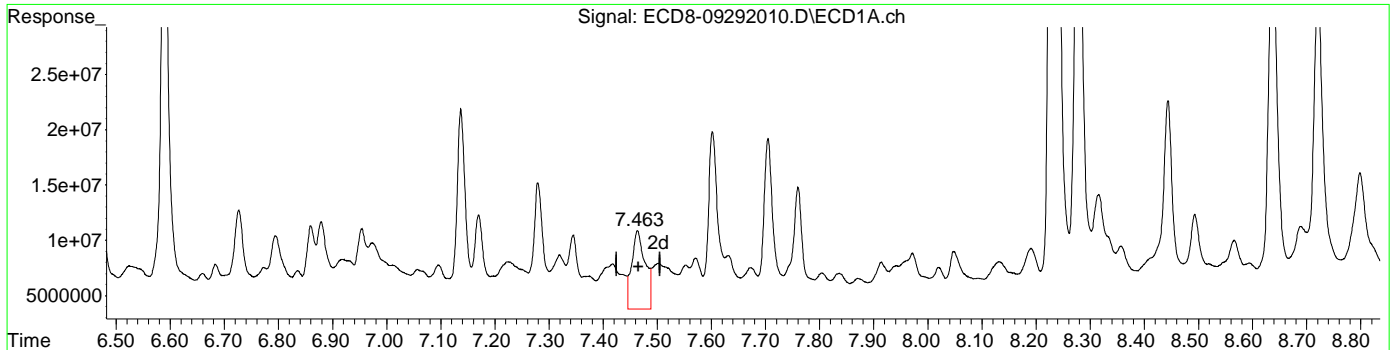
QEdit

(26) 2,4'-DDE	
7.096min 1.437 ng/mL	MJB 9/29/20
response 4131265	
(26) 2,4'-DDE #2	
8.039min 3.510 ng/mL	
response 8210358	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



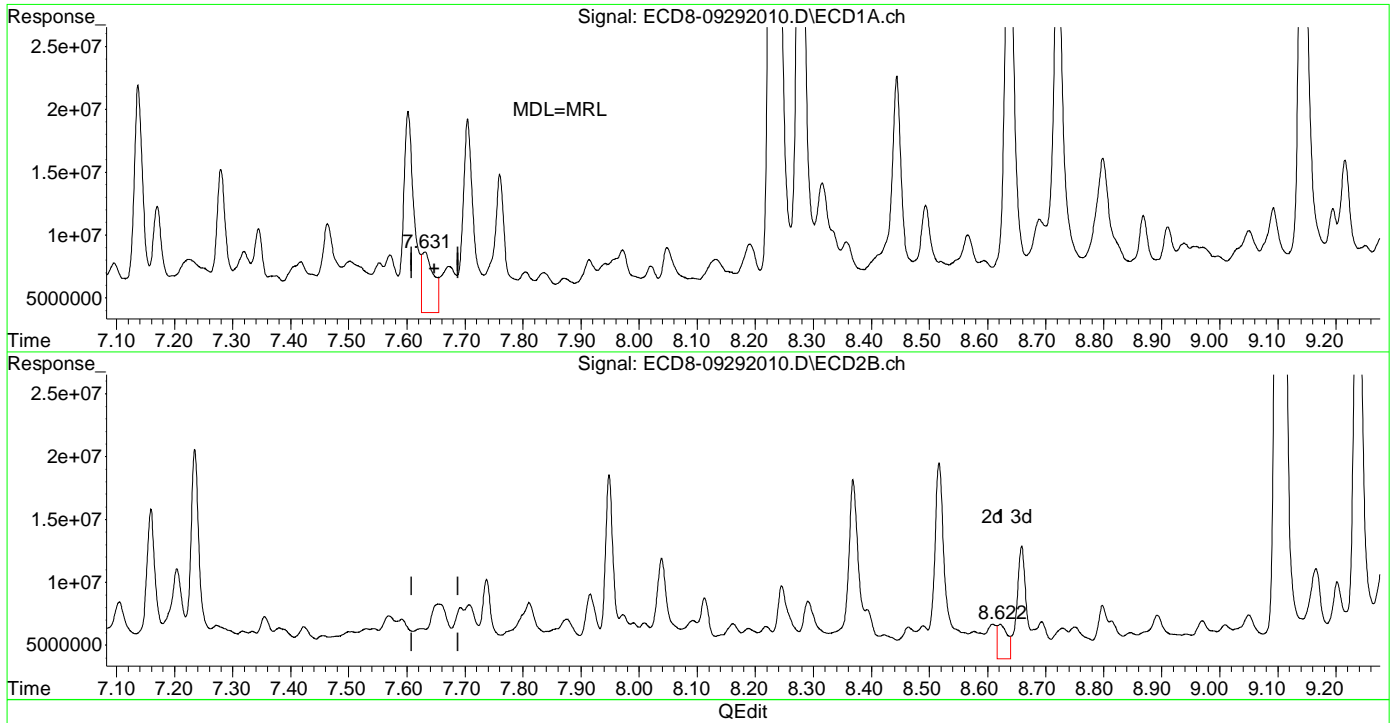
QEdit

(28) 2,4'-DDD	
7.464min 2.977 ng/mL	MJB 9/29/20
response 7083758	
(28) 2,4'-DDD #2	
8.383min 2.183 ng/mL m	
response 4660761	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.631min 1.885 ng/mL
response 4793066

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(29) 2,4'-DDT #2
8.622min 1.181 ng/mL
response 2786071

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:58
 Operator : MJB
 Sample : 0090807-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

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MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:35:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.167	5.903	120.5E6	118.4E6	32.274	33.718
22) S DCBP (S)	9.349	10.431	134.1E6	93115905	43.996	43.446
Target Compounds						
2) a-BHC	5.706	6.525f	5142304	2791200	1.044	0.672 #
3) g-BHC	5.953f	6.809	10392624	10191378	2.350	2.624
4) b-BHC	6.054	6.895	31988522	4668274	16.112	2.476 #
5) Heptachlor	6.392	7.204	17202168	7640352	4.063	1.967 #
6) d-BHC	6.190	7.159f	6049904	12393263	1.467	3.284 #
7) Aldrin	6.660f	7.456	3515425	2237436	0.806	0.603 #
8) Heptachlo...	7.096	7.876	4131265	3400131	1.020	0.929
9) trans-Chl...	7.170	8.039	8600565	8210358	2.079	2.216
10) cis-Chlor...	7.280	8.162f	11492163	2968982	2.802	0.837 #
11) Endosulfa...	7.375	8.188	2989244	2588103	0.792	0.781
12) 4,4'-DDE	7.345	8.246	6767138	5941418	1.655	1.745
13) Dieldrin	7.553	8.369	3961077	14334819	0.937	3.898 #
14) Endrin	7.705	8.609	15345484	2785936	5.075	1.118 #
15) 4,4'-DDD	7.760	8.659	10924253	8987308	3.271	3.136
16) Endosulfa...	7.871	8.750	2628795	2514628	0.813	0.857
17) 4,4'-DDT	7.972	8.892	4874375	3396937	1.578	1.303
18) Endrin Al...	8.132	9.009	4049353	2612348	1.230	0.918 #
19) Endosulfa...	8.444	9.202	18551956	5962343	6.405	2.450 #
20) Methoxychlor	8.315	9.348	10081500	3797521	6.652	2.561 #
21) Endrin Ke...	8.637	9.582	34226041	5138186	14.807	3.016 #
23) Hexachlor...	2.952	3.637f	1482298	1653522	0.196	0.219
24) Hexachlor...	5.544	6.383	4512431	6648488	1.043	1.791 #
25) Oxychlorane	7.011	7.811	4160018	4766752	1.033	1.421 #
26) 2,4'-DDE	7.096	8.039	4131265	8210358	1.437	3.510 #
27) trans-Non...	7.280	8.093	11492163	3256687	2.830	0.772 #
28) 2,4'-DDD	7.464	8.422f	7083758	2006106	2.977	0.820 #
29) 2,4'-DDT	7.631	8.622	4793066	2786071	1.885	1.181 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 13:58
 Operator : MJB
 Sample : 0090807-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 15:35:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

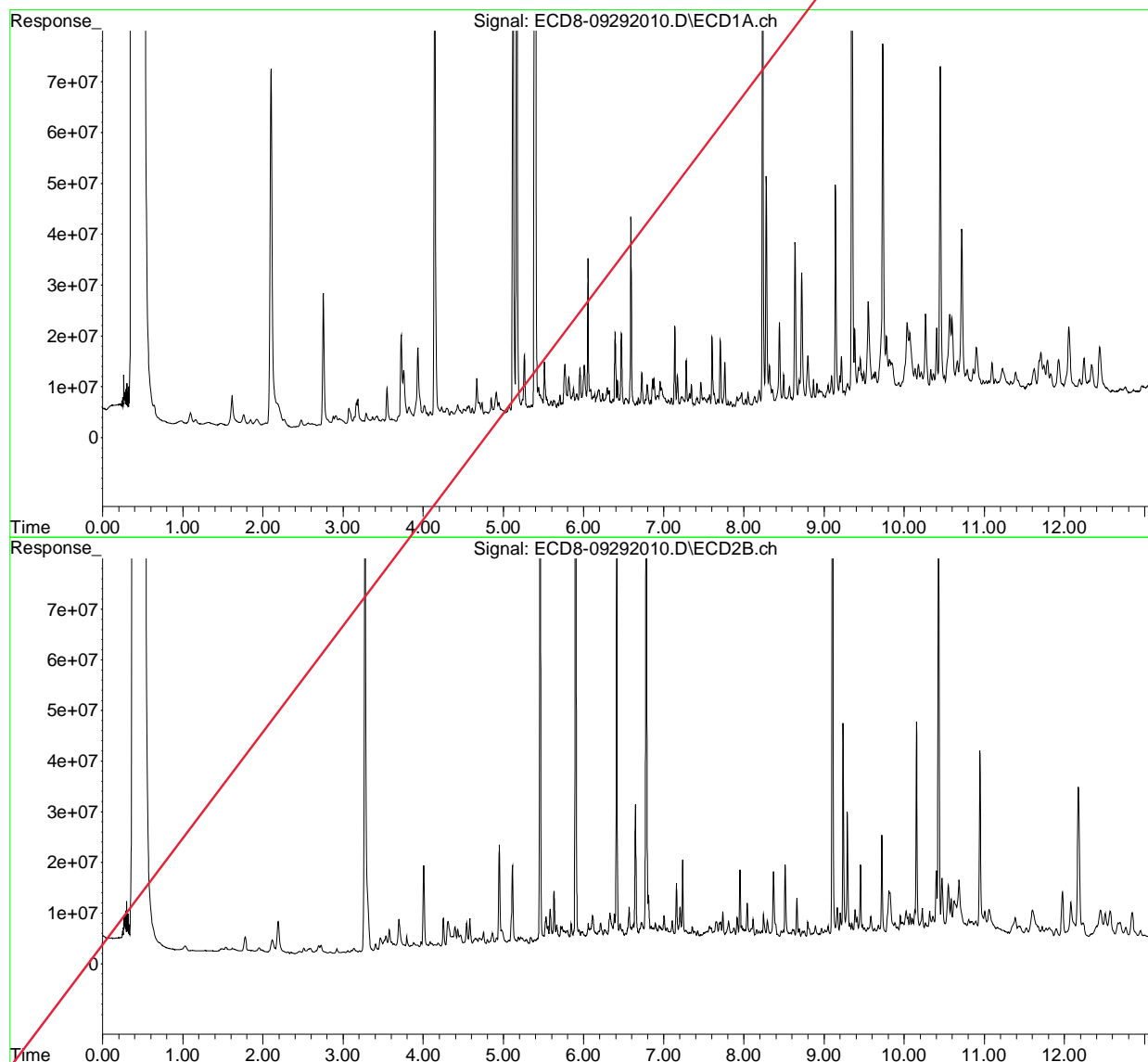
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.760f	8.659	10924253	8987308	2.507	2.374
31)	Mirex	8.357f	9.582	5379878	5138186	1.771	2.026
32)	Chlordane...	7.417	8.219	4113112	2754103	9.092	6.234 #
33)	Chlordane...	7.502f	8.369f	4112830	14334819	7.475	38.511 #
34)	Chlordane...	8.092f	9.009	2568240	2612348	17.707	14.777
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.320	8.422	4964065	2006106	288.576	66.346 #
37)	Toxaphene...	7.602	8.750	16000799	2514628	491.449	63.991 #
38)	Toxaphene...	7.914	8.798	4097815	4224569	54.385	66.806
39)	Toxaphene...	8.132f	8.892f	4049353	3396937	55.728	30.117 #
40)	Toxaphene...	8.357f	9.050	5379878	3357867	96.325	59.143 #
41)	Toxaphene...	8.444	9.412	18551956	5090254	241.321	78.617 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 13:58
Operator : MJB
Sample : 0090807-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 15:35:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:14
 Operator : MJB
 Sample : A0I0556-30RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:02:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.168	5.903	131.0E6	119.4E6	35.110	34.010
22)	S DCBP (S)	9.348	10.432	147.4E6	101.4E6	48.392	47.182
Target Compounds							
2)	a-BHC	5.705	6.524	6043503	3704992	1.227	0.878 #
3)	g-BHC	6.008f	6.808	17634574	14070091	3.987	3.617
4)	b-BHC	6.054	6.894	55628330	5441115	28.019	2.886 #
5)	Heptachlor	6.391	7.205	49203980	11025719	11.622	2.850 #
6)	d-BHC	6.192	7.160f	7404332	43754933	1.795	11.373 #
7)	Aldrin	6.658f	7.455	4876363	3114485	1.117	0.842
8)	Heptachlo...	7.096	7.875	5581816	3931799	1.378	1.074
9)	trans-Chl...	7.170	8.039	11919619	11211069	2.881	3.026
10)	cis-Chlor...	7.280	8.159f	23338659	3568339	5.691	1.006 #
11)	Endosulfa...	7.376	8.188	5638858	3278811	1.495	0.990 #
12)	4,4'-DDE	7.345	8.246	8140207	6597092	1.991	1.934 MDL=MRL
13)	Dieldrin	7.554	8.368	4860354	18409954	1.149	5.006 #
14)	Endrin	7.705	8.609	20151304	4983806	6.665	2.025 #
15)	4,4'-DDD	7.761	8.660	12512632	10055330	3.746	3.506
16)	Endosulfa...	7.874	8.753	3458124	3253748	1.069	1.109
17)	4,4'-DDT	7.960	8.892	5568415	4258351	1.802	1.636 MDL=MRL
18)	Endrin Al...	8.125	8.990	4733270	2719971	1.437	0.955 #
19)	Endosulfa...	8.445	9.204	9317118	4592351	3.217	1.878 #
20)	Methoxychlor	8.313	9.347	7726685	4163332	5.098	2.808 #
21)	Endrin Ke...	8.638	9.582	36185292	5725893	15.655	3.371 #
23)	Hexachlor...	2.952	3.606	1939606	1845399	0.328	0.272
24)	Hexachlor...	5.545	6.361	5903207	4377217	1.435	1.102
25)	Oxychlorane	7.012	7.812	7553996	4682162	2.026	1.392 #
26)	2,4'-DDE	7.096	8.039	5581816	11211069	2.004	R-02 4.859 # P-01
27)	trans-Non...	7.280	8.093	23338659	4680212	5.987	1.221 #
28)	2,4'-DDD	7.458	8.393	10324876	4577693	4.427	2.141m# R-02
29)	2,4'-DDT	7.637	8.609	5193865	4983806	2.058m	R-02 2.267 P-01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:14
 Operator : MJB
 Sample : A0I0556-30RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:02:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

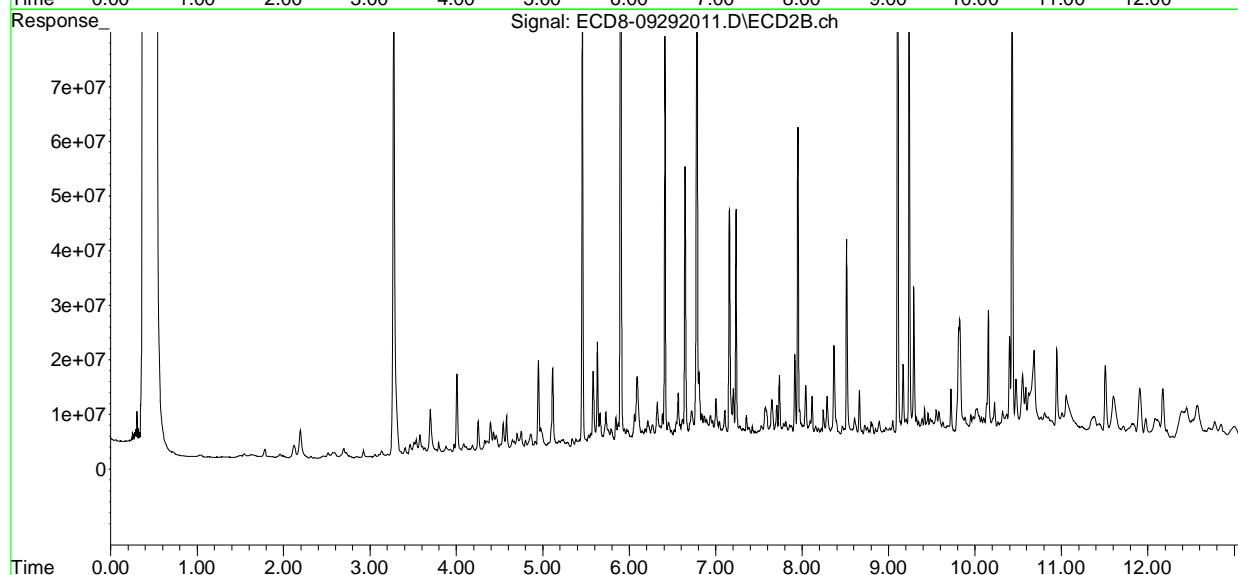
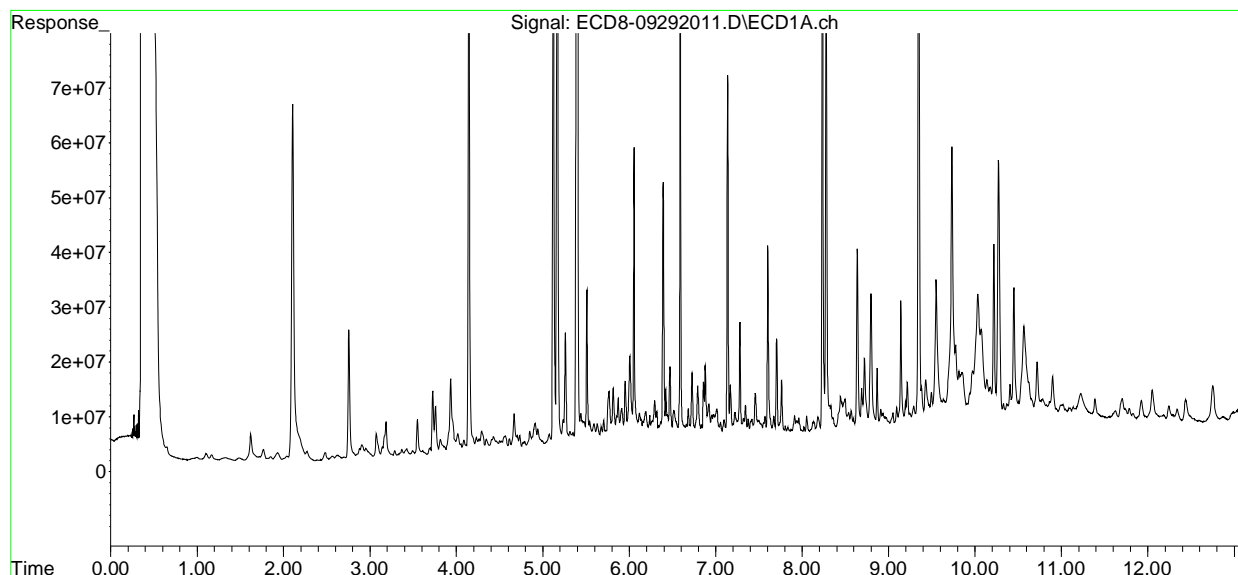
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.761f	8.660	12512632	10055330	2.898	2.677
31)	Mirex	8.358f	9.582	5459356	5725893	1.802	2.304 #
32)	Chlordane...	7.418	8.219	5608348	3286316	12.397	7.438 #
33)	Chlordane...	7.497f	8.368f	5377257	18409954	9.773	49.459 #
34)	Chlordane...	8.050f	8.990	5936077	2719971	40.928	15.790 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.322	8.423	5711800	2635628	332.044	87.165 #
37)	Toxaphene...	7.602	8.777	37156895	2778254	1151.463	70.699 #
38)	Toxaphene...	7.913	8.799	5989710	4247508	79.493	67.168
39)	Toxaphene...	8.182f	8.892f	5665422	4258351	79.873	39.518 #
40)	Toxaphene...	8.358f	9.048	5459356	4326204	97.748	76.198
41)	Toxaphene...	8.445	9.417	9317118	6550026	121.196	101.162
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

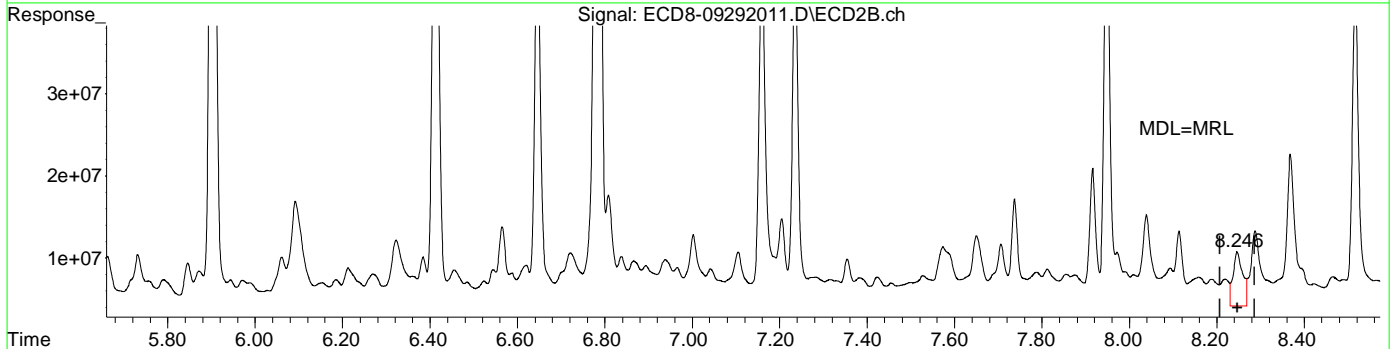
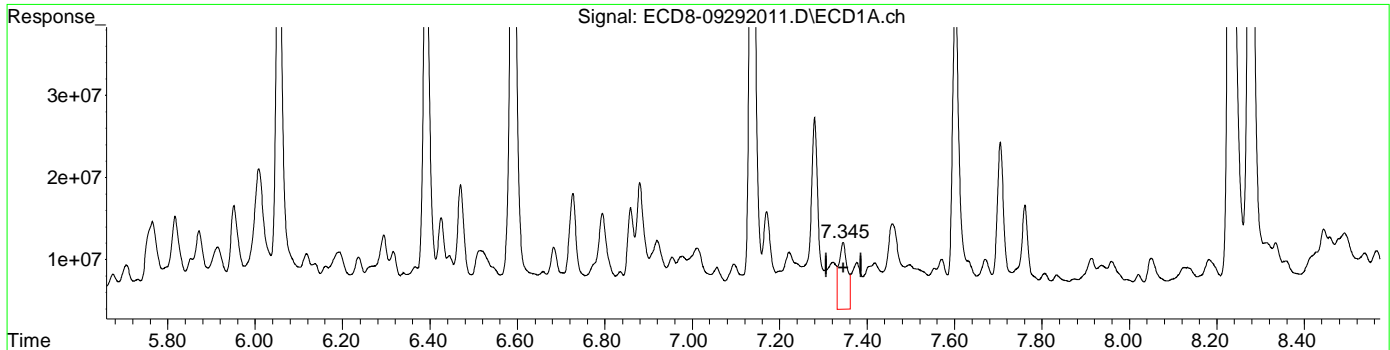
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.345min 1.991 ng/mL
response 8140207

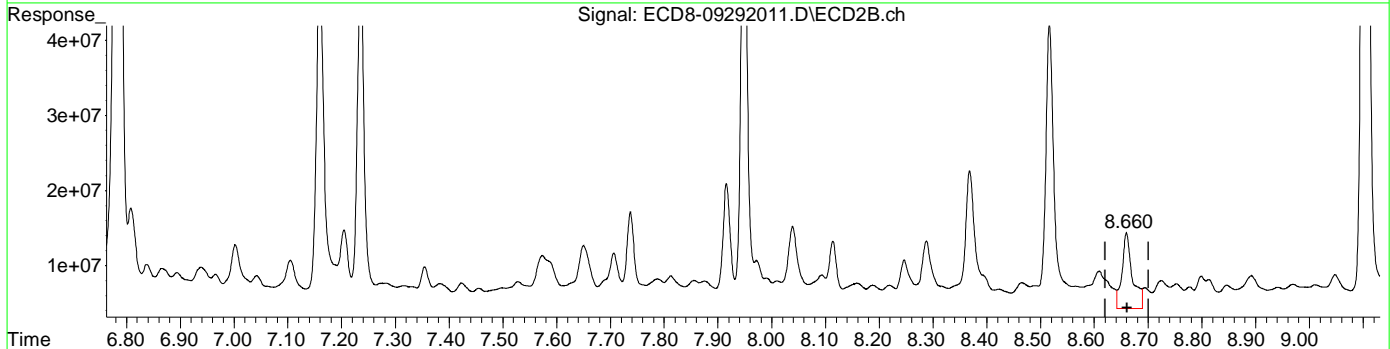
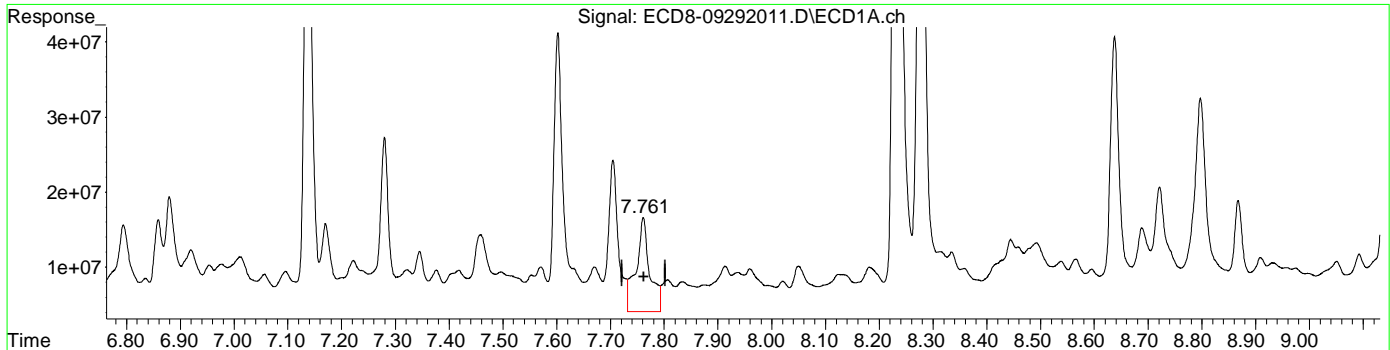
MJB 9/29/20

(12) 4,4'-DDE #2
8.246min 1.934 ng/mL
response 6597092

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.761min 3.746 ng/mL
response 12512632

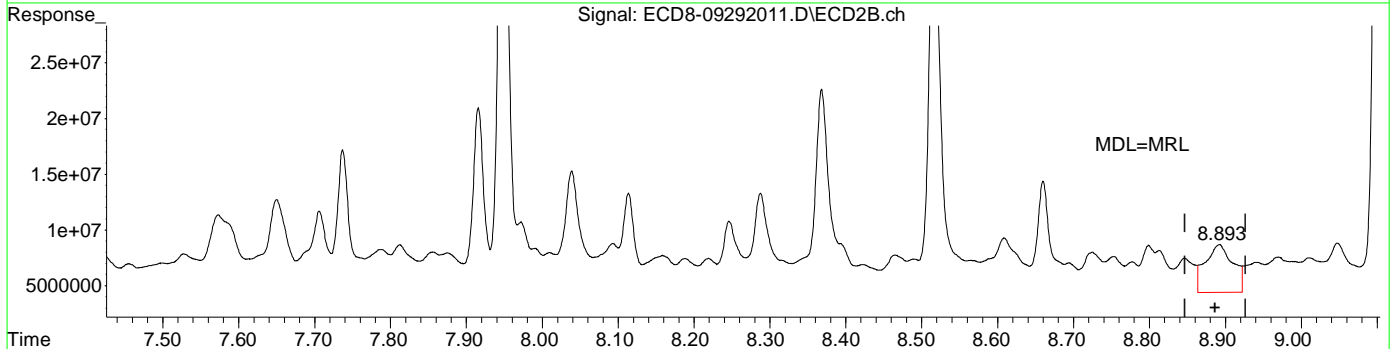
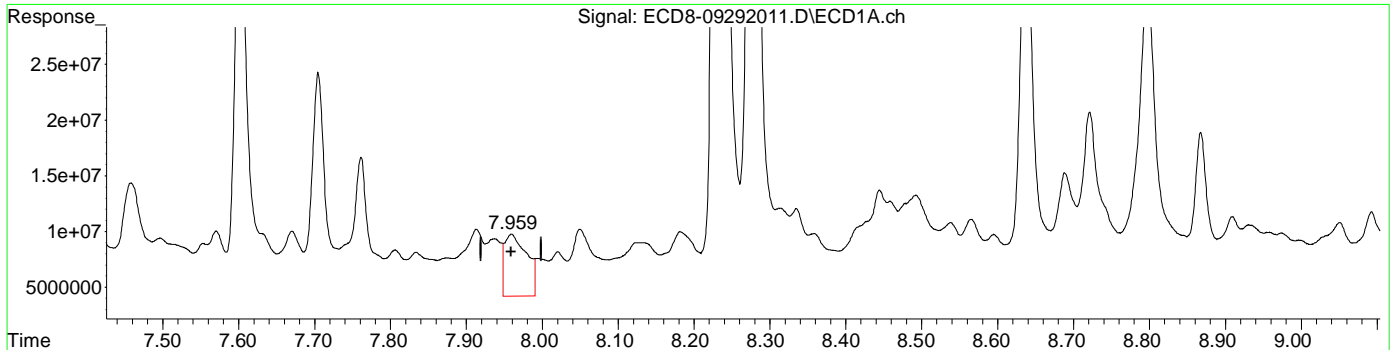
MJB 9/29/20

(15) 4,4'-DDD #2
8.660min 3.506 ng/mL
response 10055330

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



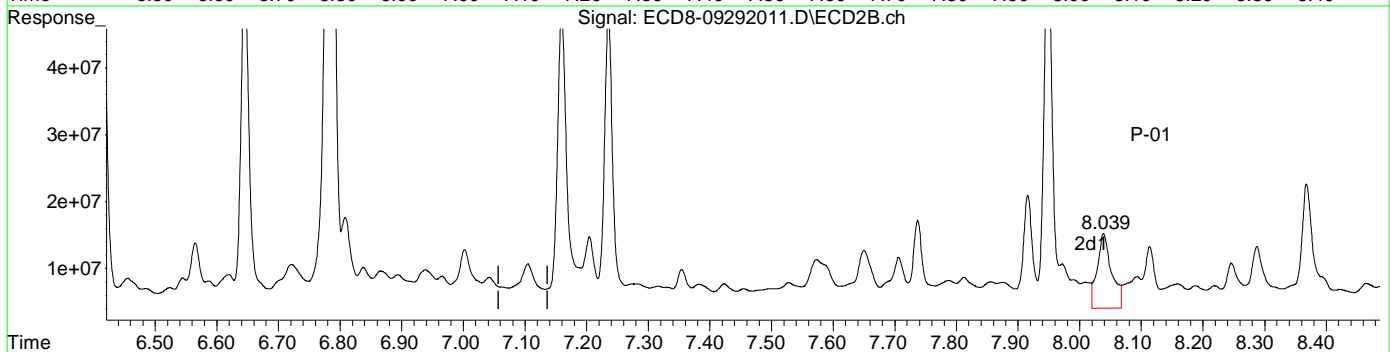
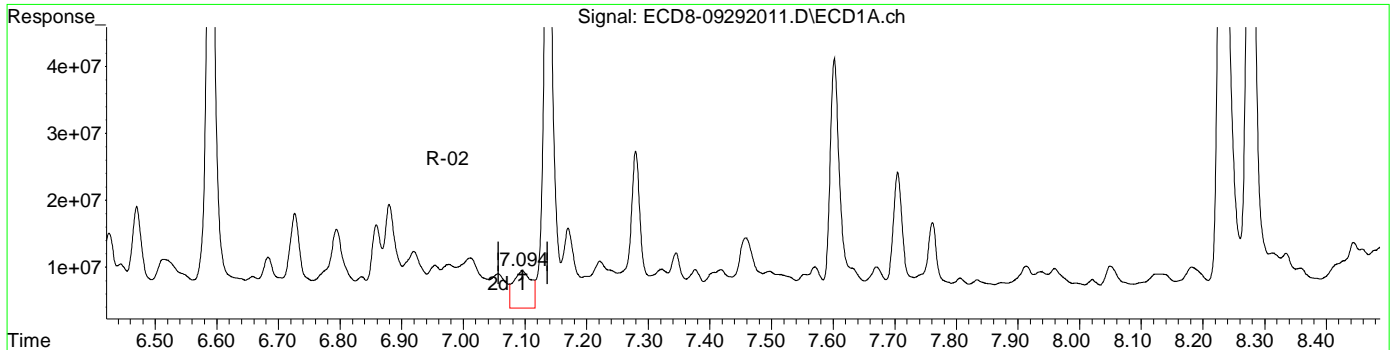
QEdit

(17) 4,4'-DDT	
7.960min 1.802 ng/mL	MJB 9/29/20
response 5568415	
(17) 4,4'-DDT #2	
8.892min 1.636 ng/mL	
response 4258351	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(26) 2,4'-DDE
7.096min 2.004 ng/mL
response 5581816

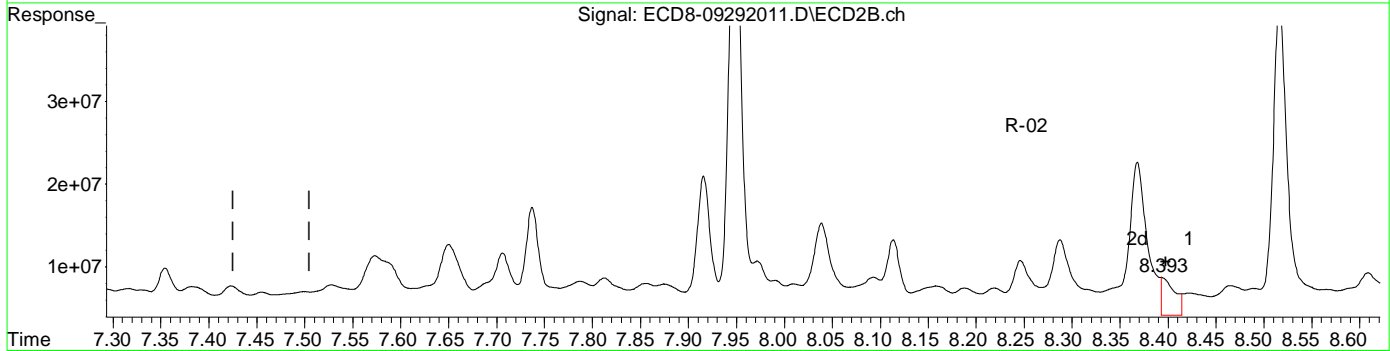
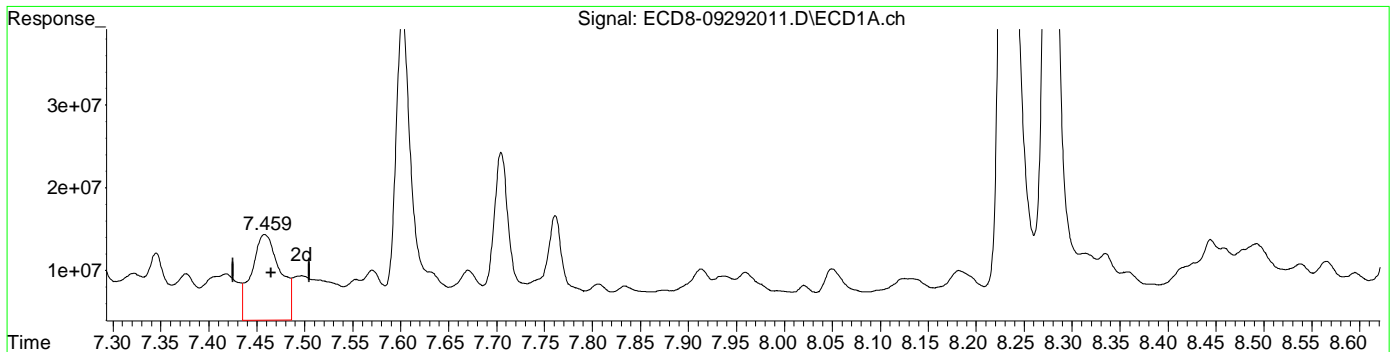
MJB 9/29/20

(26) 2,4'-DDE #2
8.039min 4.859 ng/mL
response 11211069

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(28) 2,4'-DDD
7.458min 4.427 ng/mL
response 10324876

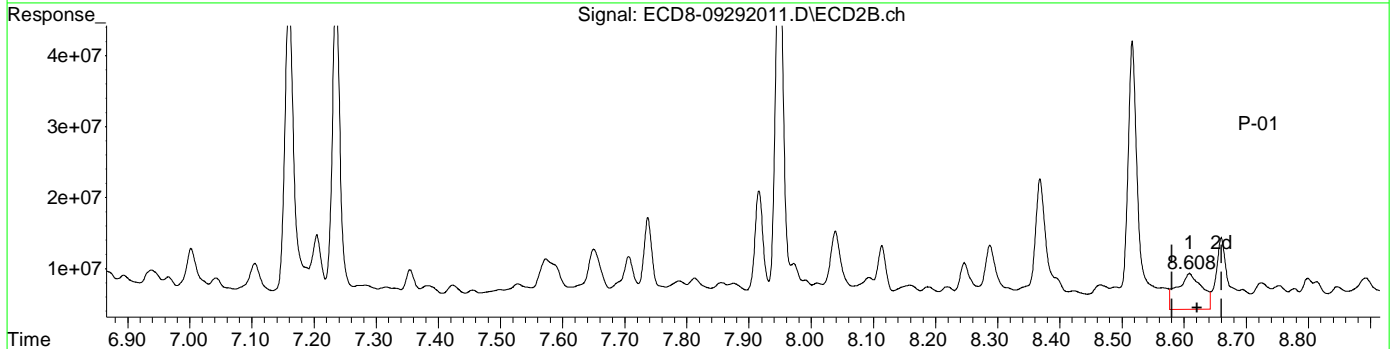
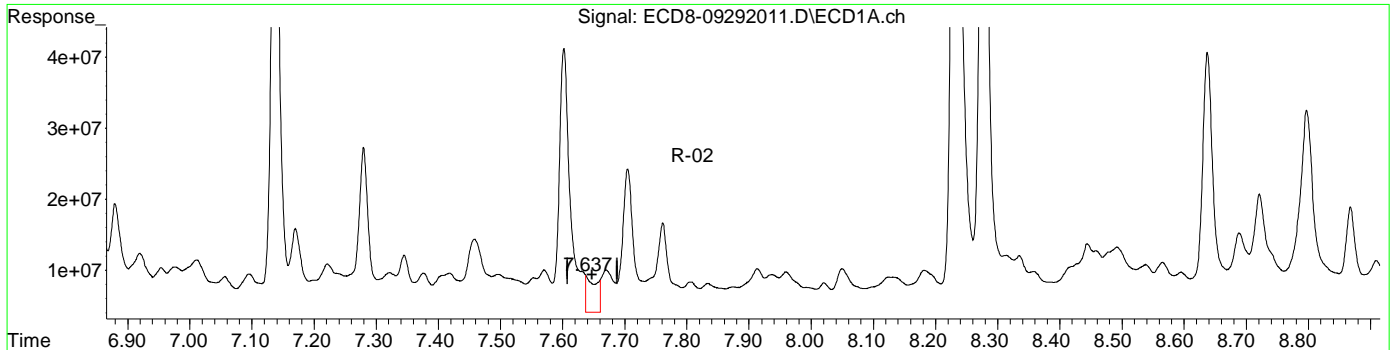
MJB 9/29/20

(28) 2,4'-DDD #2
8.393min 2.141 ng/mL m
response 4577693

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(29) 2,4'-DDT	7.637min	2.058 ng/mL	m	response 5193865
(29) 2,4'-DDT #2	8.609min	2.267 ng/mL		response 4983806

MJB 9/29/20

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:14
 Operator : MJB
 Sample : A0I0556-30RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

MI

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:02:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	131.0E6	119.4E6	35.110	34.010
22) S DCBP (S)	9.348	10.432	147.4E6	101.4E6	48.392	47.182
Target Compounds						
2) a-BHC	5.705	6.524	6043503	3704992	1.227	0.878 #
3) g-BHC	6.008f	6.808	17634574	14070091	3.987	3.617
4) b-BHC	6.054	6.894	55628330	5441115	28.019	2.886 #
5) Heptachlor	6.391	7.205	49203980	11025719	11.622	2.850 #
6) d-BHC	6.192	7.160f	7404332	43754933	1.795	11.373 #
7) Aldrin	6.658f	7.455	4876363	3114485	1.117	0.842
8) Heptachlo...	7.096	7.875	5581816	3931799	1.378	1.074
9) trans-Chl...	7.170	8.039	11919619	11211069	2.881	3.026
10) cis-Chlor...	7.280	8.159f	23338659	3568339	5.691	1.006 #
11) Endosulfa...	7.376	8.188	5638858	3278811	1.495	0.990 #
12) 4,4'-DDE	7.345	8.246	8140207	6597092	1.991	1.934
13) Dieldrin	7.554	8.368	4860354	18409954	1.149	5.006 #
14) Endrin	7.705	8.609	20151304	4983806	6.665	2.025 #
15) 4,4'-DDD	7.761	8.660	12512632	10055330	3.746	3.506
16) Endosulfa...	7.874	8.753	3458124	3253748	1.069	1.109
17) 4,4'-DDT	7.960	8.892	5568415	4258351	1.802	1.636
18) Endrin Al...	8.125	8.990	4733270	2719971	1.437	0.955 #
19) Endosulfa...	8.445	9.204	9317118	4592351	3.217	1.878 #
20) Methoxychlor	8.313	9.347	7726685	4163332	5.098	2.808 #
21) Endrin Ke...	8.638	9.582	36185292	5725893	15.655	3.371 #
23) Hexachlor...	2.952	3.606	1939606	1845399	0.328	0.272
24) Hexachlor...	5.545	6.361	5903207	4377217	1.435	1.102
25) Oxychlorane	7.012	7.812	7553996	4682162	2.026	1.392 #
26) 2,4'-DDE	7.096	8.039	5581816	11211069	2.004	4.859 #
27) trans-Non...	7.280	8.093	23338659	4680212	5.987	1.221 #
28) 2,4'-DDD	7.458	8.423f	10324876	2635628	4.427	1.144 #
29) 2,4'-DDT	7.670f	8.609	5904460	4983806	2.365	2.267

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:14
 Operator : MJB
 Sample : A0I0556-30RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:02:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

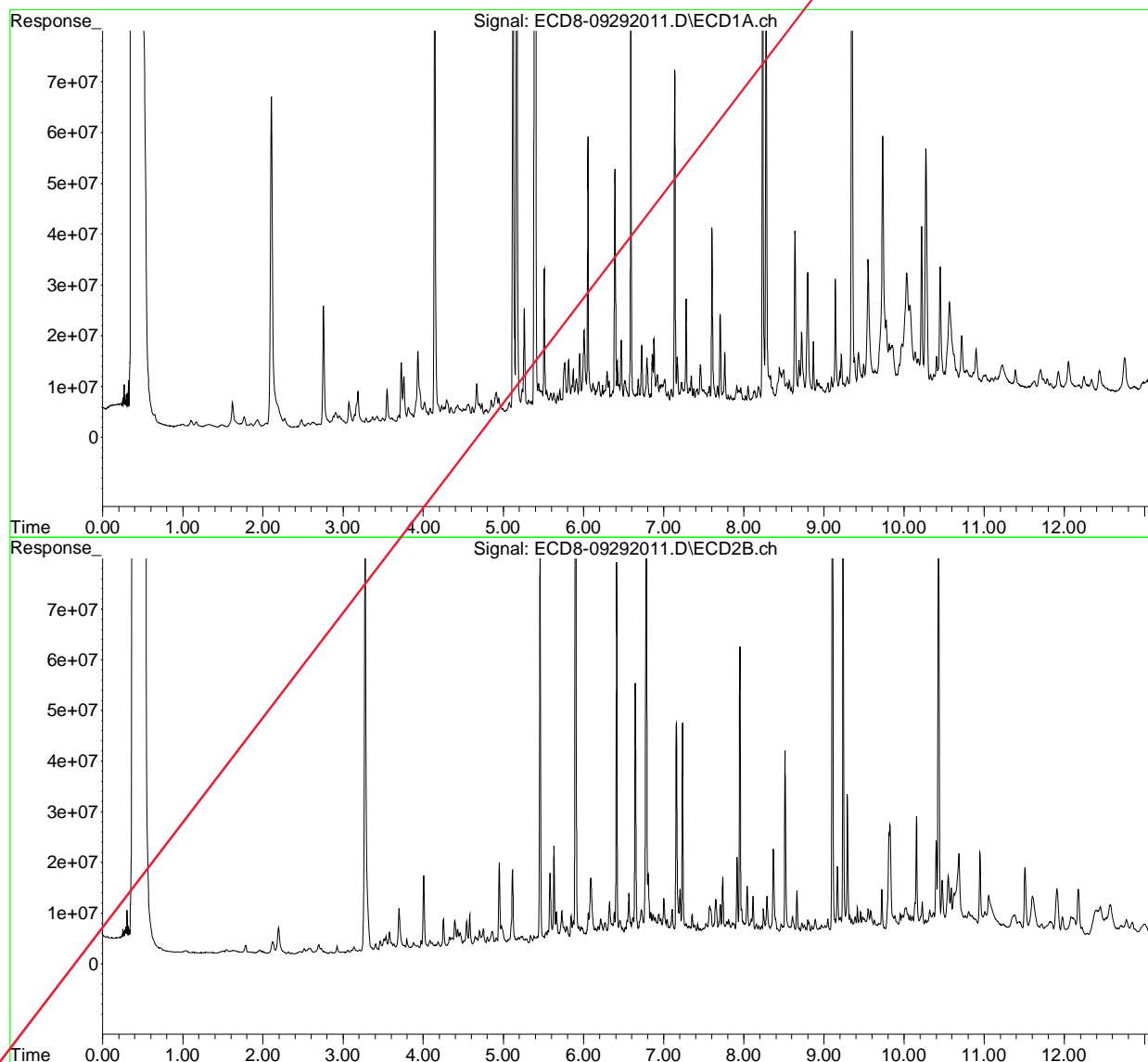
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.761f	8.660	12512632	10055330	2.898	2.677
31)	Mirex	8.358f	9.582	5459356	5725893	1.802	2.304 #
32)	Chlordane...	7.418	8.219	5608348	3286316	12.397	7.438 #
33)	Chlordane...	7.497f	8.368f	5377257	18409954	9.773	49.459 #
34)	Chlordane...	8.050f	8.990	5936077	2719971	40.928	15.790 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.322	8.423	5711800	2635628	332.044	87.165 #
37)	Toxaphene...	7.602	8.777	37156895	2778254	1151.463	70.699 #
38)	Toxaphene...	7.913	8.799	5989710	4247508	79.493	67.168
39)	Toxaphene...	8.182f	8.892f	5665422	4258351	79.873	39.518 #
40)	Toxaphene...	8.358f	9.048	5459356	4326204	97.748	76.198
41)	Toxaphene...	8.445	9.417	9317118	6550026	121.196	101.162
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:14
Operator : MJB
Sample : A0I0556-30RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:02:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:31
 Operator : MJB
 Sample : A0I0556-31RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:14:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	81896072	83965947	21.942	23.920
22) S DCBP (S)	9.349	10.432	117.0E6	92113725	38.384	42.993
Target Compounds						
2) a-BHC	5.706	6.525	2355007	961194	0.478	0.258 #
3) g-BHC	5.955f	6.811	6305901	3179442	1.426	0.820 #
4) b-BHC	6.056	6.897	15659438	1950520	7.887	1.035 #
5) Heptachlor	6.393	7.206	13495706	2342716	3.188	0.581 #
6) d-BHC	6.188	7.160f	1760860	11527880	0.427	3.058 #
7) Aldrin	6.628	7.457	2683138	676748	0.615	0.176 #
8) Heptachlo...	7.097	7.874	1038907	1863133	0.257	0.509 #
9) trans-Chl...	7.171	8.040	4601534	4713801	1.112	1.272
10) cis-Chlor...	7.281	8.139	10387043	1110573	2.533	0.313 #
11) Endosulfa...	7.372	8.189	820258	1458803	0.217	0.440 #
12) 4,4'-DDE	7.345	8.247	3326187	3603535	0.814	1.067 # P-01
13) Dieldrin	7.553	8.370	1396728	10070197	0.330	2.738 #
14) Endrin	7.705	8.610	8891105	2414027	2.941	0.965 #
15) 4,4'-DDD	7.760	8.660	6089710	6211632	1.823	2.173
16) Endosulfa...	7.834f	8.750	1132186	1772031	0.350	0.604 #
17) 4,4'-DDT	7.960	8.890	1965070	2258417	0.636	0.862 #
18) Endrin Al...	8.126	9.006	1553117	1316994	0.472	0.463
19) Endosulfa...	8.444	9.205	4016331	2733907	1.387	1.100
20) Methoxychlor	8.317	9.349	4107511	2164038	2.710	1.459 #
21) Endrin Ke...	8.638	9.586	30759181	3512262	13.307	2.032 #
23) Hexachlor...	2.951	3.578f	687486	2599940	BelowCal	0.476
24) Hexachlor...	5.519f	6.383	3014708	3755600	0.620	0.913 #
25) Oxychlorane	7.013	7.813	1846325	2077391	0.356	0.486 #
26) 2,4'-DDE	7.097	8.033	1038907	3492814	0.227	1.380m# P-01
27) trans-Non...	7.281	8.114f	10387043	4254391	2.535	1.086 #
28) 2,4'-DDD	7.464	8.391	3880817	3239400	1.543	1.454m MDL=MRL
29) 2,4'-DDT	7.631	8.609	1551447	2429554	0.487m	1.005m# P-01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:31
 Operator : MJB
 Sample : A0I0556-31RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:14:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

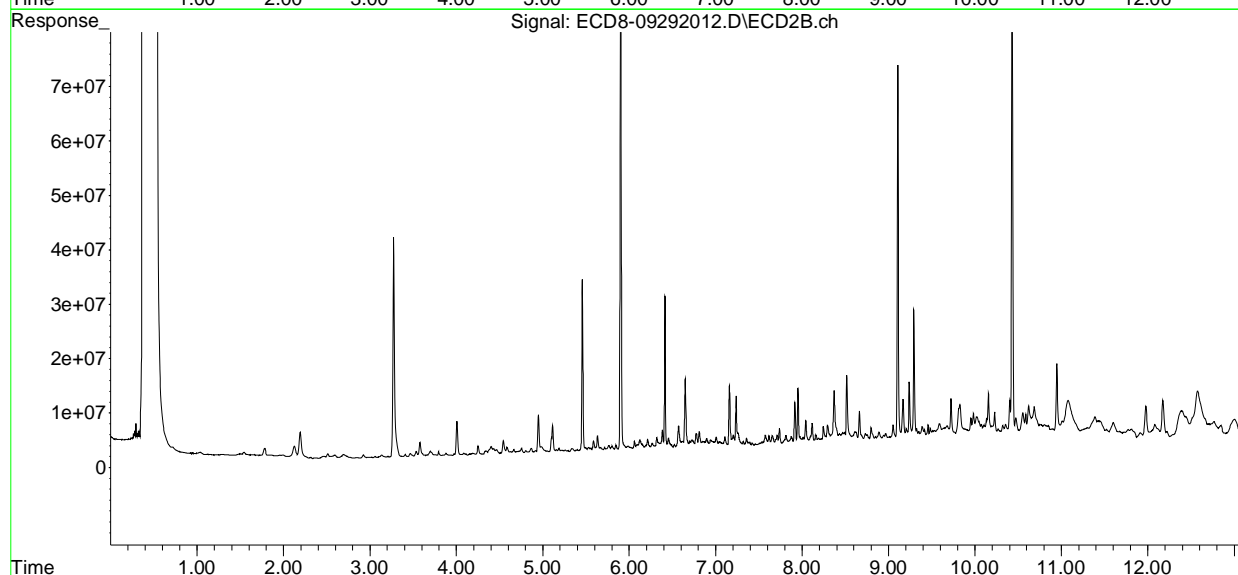
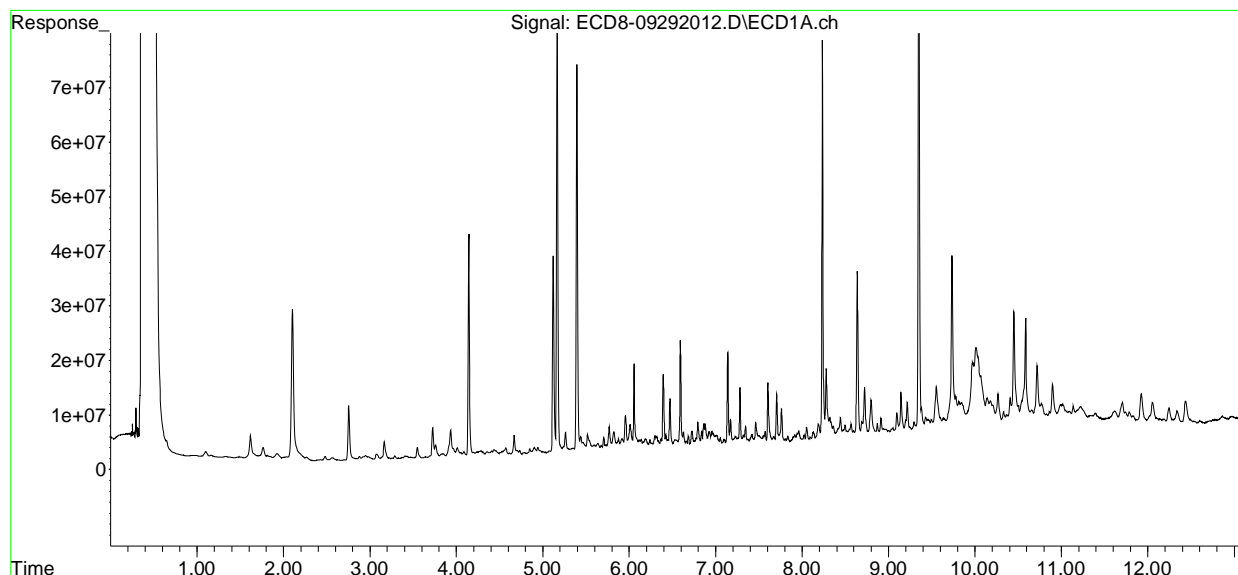
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.760f	8.660	6089710	6211632	1.316	1.587
31)	Mirex	8.415f	9.586	2089566	3512262	0.513	1.254 #
32)	Chlordane...	7.419	8.220	1753794	1362615	3.877	3.084
33)	Chlordane...	7.499f	8.370f	1411575	10070197	2.566	27.054 #
34)	Chlordane...	8.050f	9.006	2572526	1316994	17.737	2.567 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.435	1689738	2034378	98.229	67.281 #
37)	Toxaphene...	7.604	8.776	11025147	1294175	337.238	32.933 #
38)	Toxaphene...	7.915	8.799	1299863	3065712	17.251	48.480 #
39)	Toxaphene...	8.188f	8.890	3017258	2258417	40.282	17.660 #
40)	Toxaphene...	8.361	9.052	2498716	3507861	44.739	61.785 #
41)	Toxaphene...	8.444	9.416	4016331	2497258	52.244	38.569 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:31
Operator : MJB
Sample : A0I0556-31RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

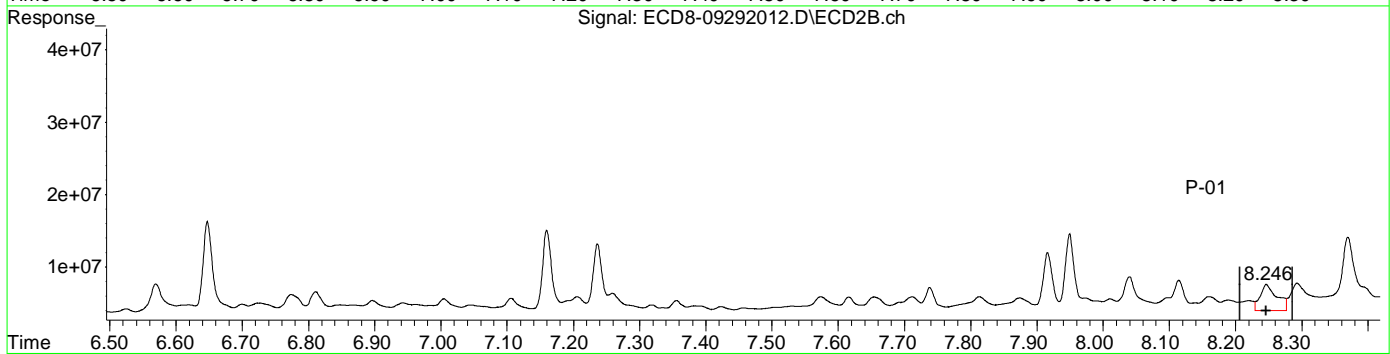
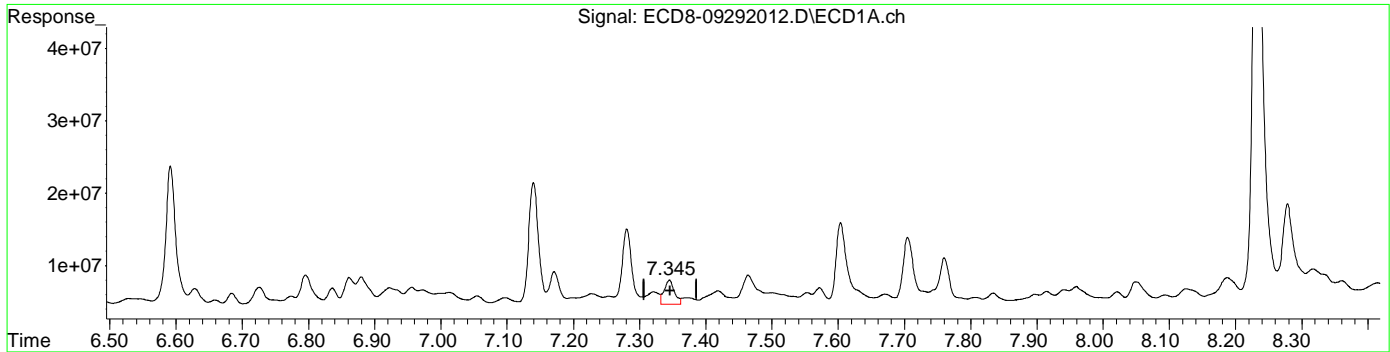
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:14:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:31
Operator : MJB
Sample : A0I0556-31RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:14:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.345min 0.814 ng/mL
response 3326187

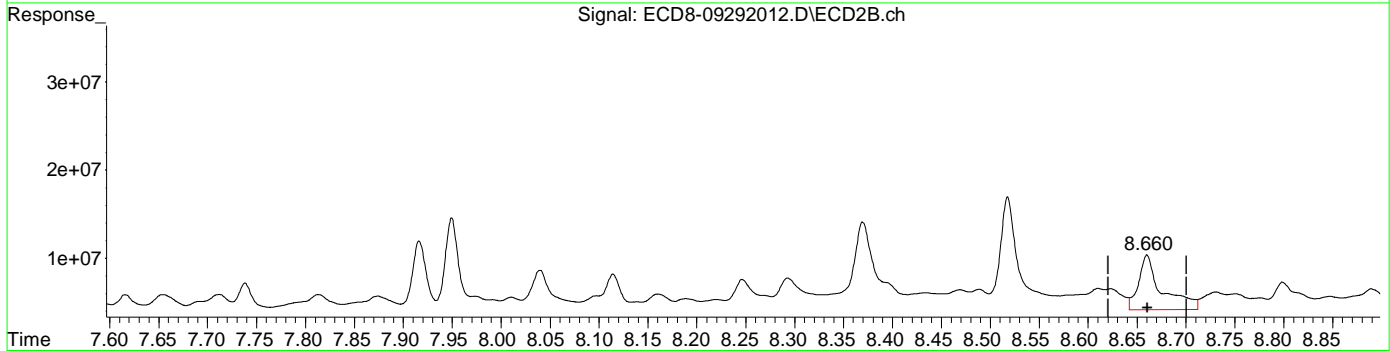
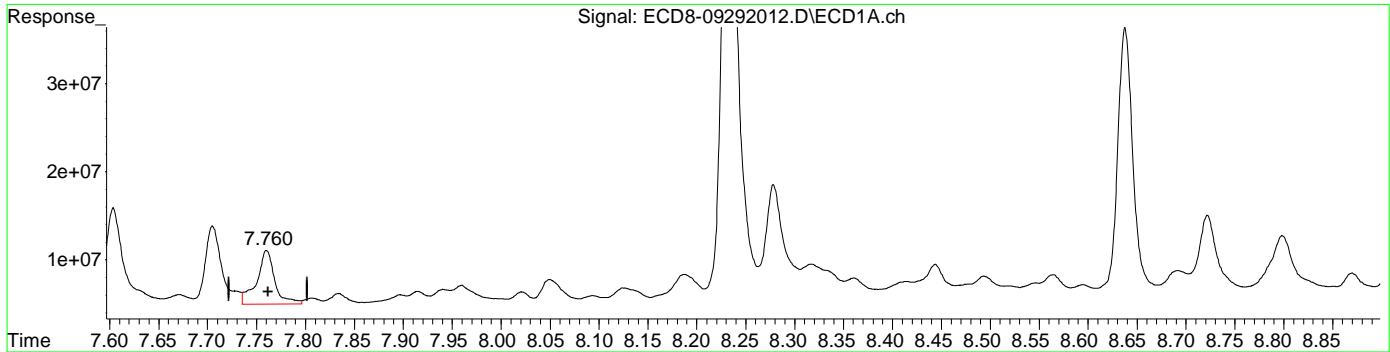
MJB 9/29/20

(12) 4,4'-DDE #2
8.247min 1.067 ng/mL
response 3603535

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:31
Operator : MJB
Sample : A0I0556-31RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:14:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.760min 1.823 ng/mL
response 6089710

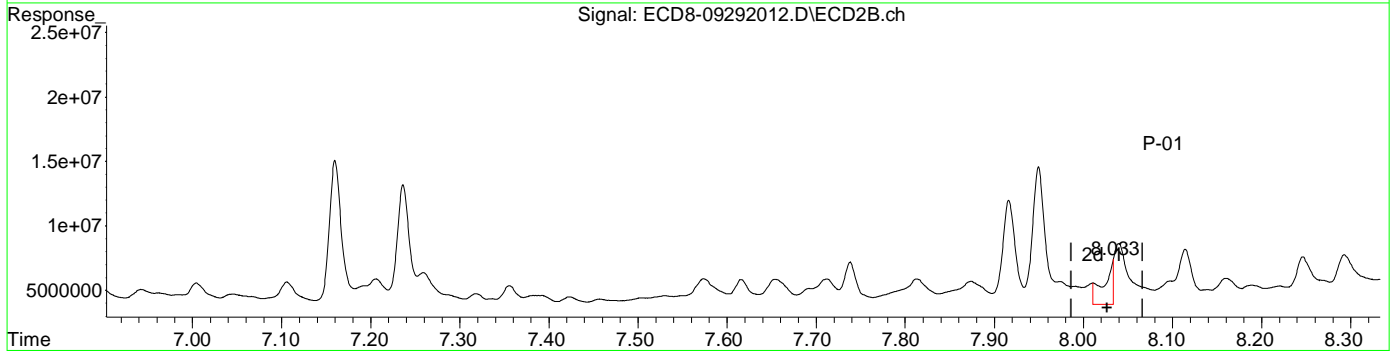
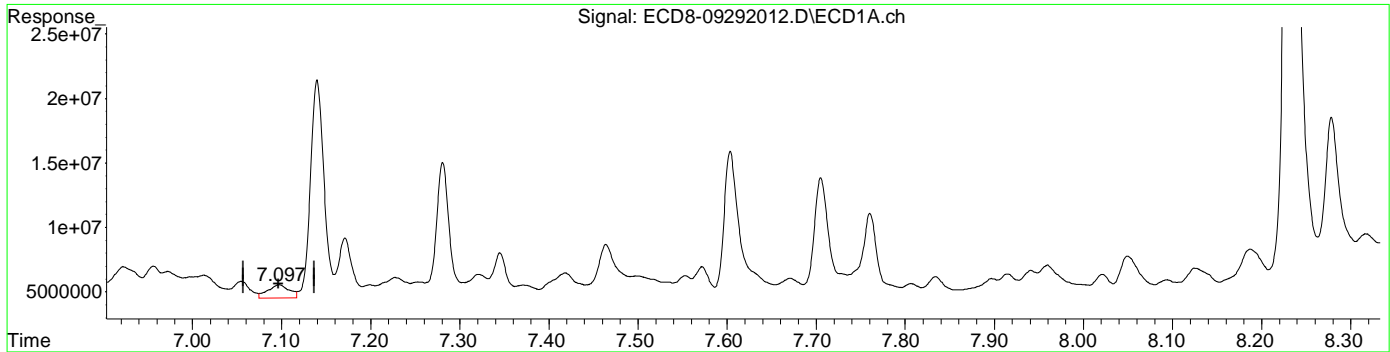
MJB 9/29/20

(15) 4,4'-DDD #2
8.660min 2.173 ng/mL
response 6211632

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:31
Operator : MJB
Sample : A0I0556-31RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:14:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(26) 2,4'-DDE
7.097min 0.227 ng/mL
response 1038907

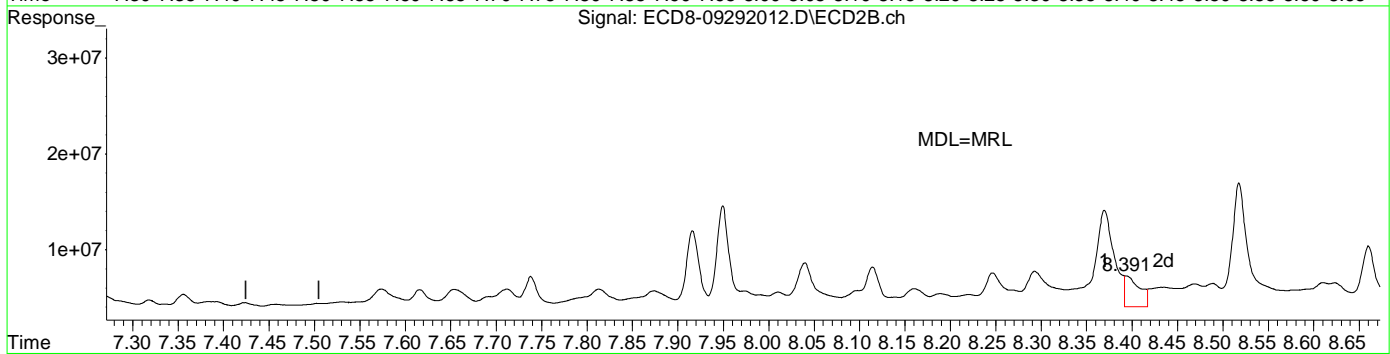
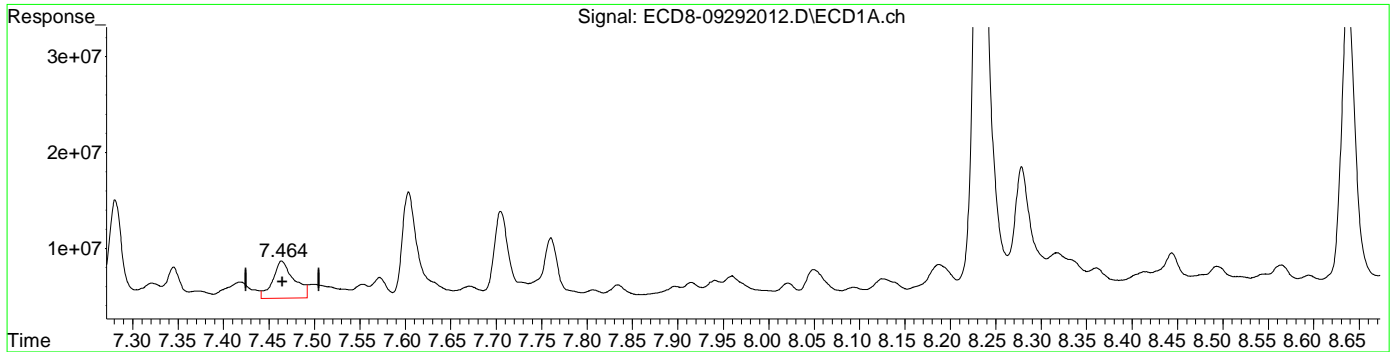
MJB 9/29/20

(26) 2,4'-DDE #2
8.033min 1.380 ng/mL m
response 3492814

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:31
Operator : MJB
Sample : A0I0556-31RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:14:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(28) 2,4'-DDD
7.464min 1.543 ng/mL
response 3880817

MJB 9/29/20

(28) 2,4'-DDD #2
8.391min 1.454 ng/mL m
response 3239400

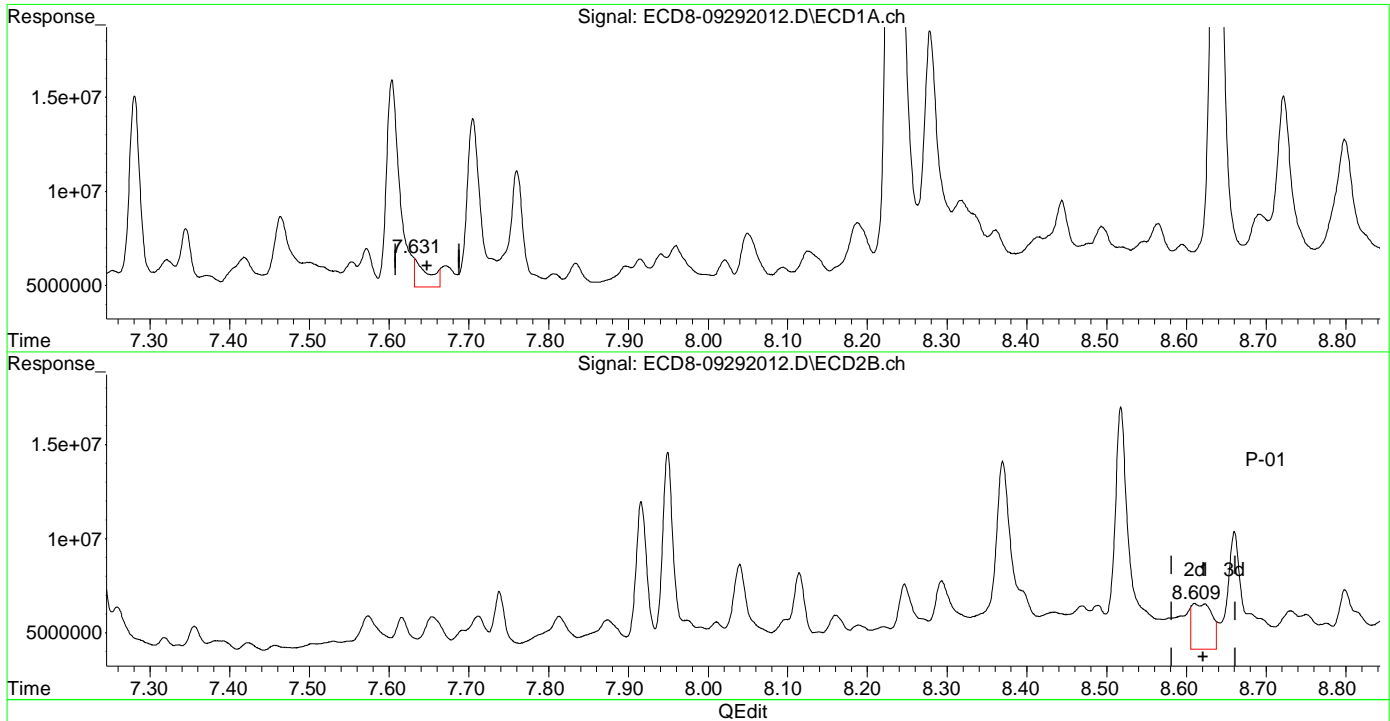
(+) = Expected Retention Time
ECD8_QUANTP..._200717RTD.M Tue Sep 29 16:15:37 2020

Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:31
Operator : MJB
Sample : A0I0556-31RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:14:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.631min 0.487 ng/mL m
response 1551447

MJB 9/29/20

(29) 2,4'-DDT #2
8.609min 1.005 ng/mL m
response 2429554

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:31
 Operator : MJB
 Sample : A0I0556-31RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:14:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	81896072	83965947	21.942	23.920
22) S DCBP (S)	9.349	10.432	117.0E6	92113725	38.384	42.993
Target Compounds						
2) a-BHC	5.706	6.525	2355007	961194	0.478	0.258 #
3) g-BHC	5.955f	6.811	6305901	3179442	1.426	0.820 #
4) b-BHC	6.056	6.897	15659438	1950520	7.887	1.035 #
5) Heptachlor	6.393	7.206	13495706	2342716	3.188	0.581 #
6) d-BHC	6.188	7.160f	1760860	11527880	0.427	3.058 #
7) Aldrin	6.628	7.457	2683138	676748	0.615	0.176 #
8) Heptachlo...	7.097	7.874	1038907	1863133	0.257	0.509 #
9) trans-Chl...	7.171	8.040	4601534	4713801	1.112	1.272
10) cis-Chlor...	7.281	8.139	10387043	1110573	2.533	0.313 #
11) Endosulfa...	7.372	8.189	820258	1458803	0.217	0.440 #
12) 4,4'-DDE	7.345	8.247	3326187	3603535	0.814	1.067 #
13) Dieldrin	7.553	8.370	1396728	10070197	0.330	2.738 #
14) Endrin	7.705	8.610	8891105	2414027	2.941	0.965 #
15) 4,4'-DDD	7.760	8.660	6089710	6211632	1.823	2.173
16) Endosulfa...	7.834f	8.750	1132186	1772031	0.350	0.604 #
17) 4,4'-DDT	7.960	8.890	1965070	2258417	0.636	0.862 #
18) Endrin Al...	8.126	9.006	1553117	1316994	0.472	0.463
19) Endosulfa...	8.444	9.205	4016331	2733907	1.387	1.100
20) Methoxychlor	8.317	9.349	4107511	2164038	2.710	1.459 #
21) Endrin Ke...	8.638	9.586	30759181	3512262	13.307	2.032 #
23) Hexachlor...	2.951	3.578f	687486	2599940	BelowCal	0.476
24) Hexachlor...	5.519f	6.383	3014708	3755600	0.620	0.913 #
25) Oxychlorane	7.013	7.813	1846325	2077391	0.356	0.486 #
26) 2,4'-DDE	7.097	8.040	1038907	4713801	0.227	1.932 #
27) trans-Non...	7.281	8.114f	10387043	4254391	2.535	1.086 #
28) 2,4'-DDD	7.464	8.370f	3880817	10070197	1.543	4.945 #
29) 2,4'-DDT	7.671f	8.623	1123117	2386654	0.302	0.984 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:31
 Operator : MJB
 Sample : A0I0556-31RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:14:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

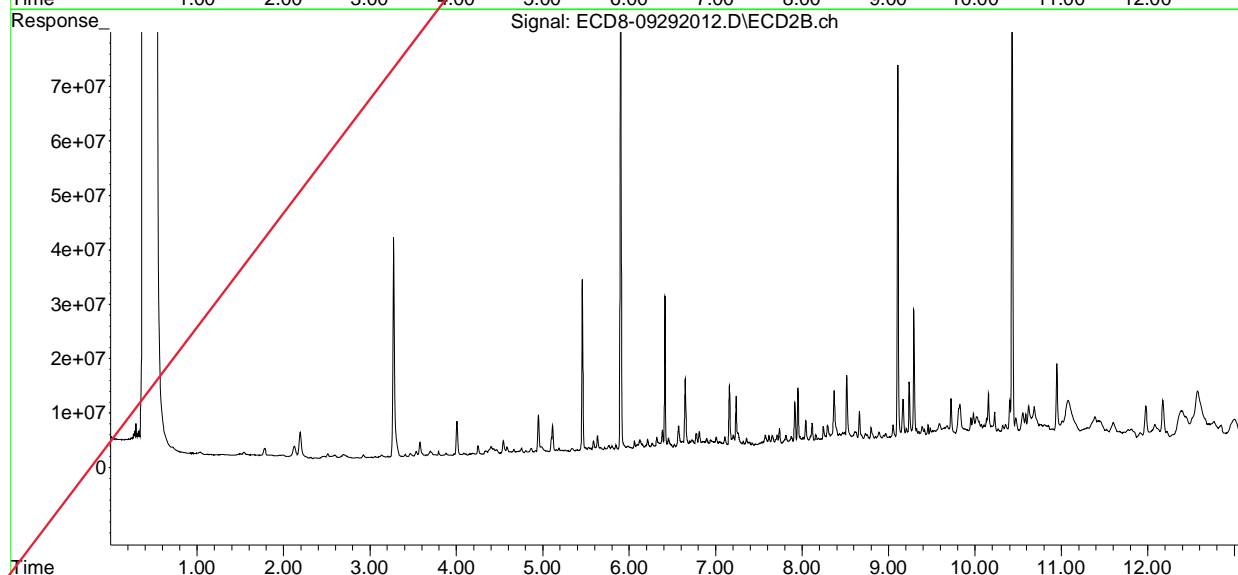
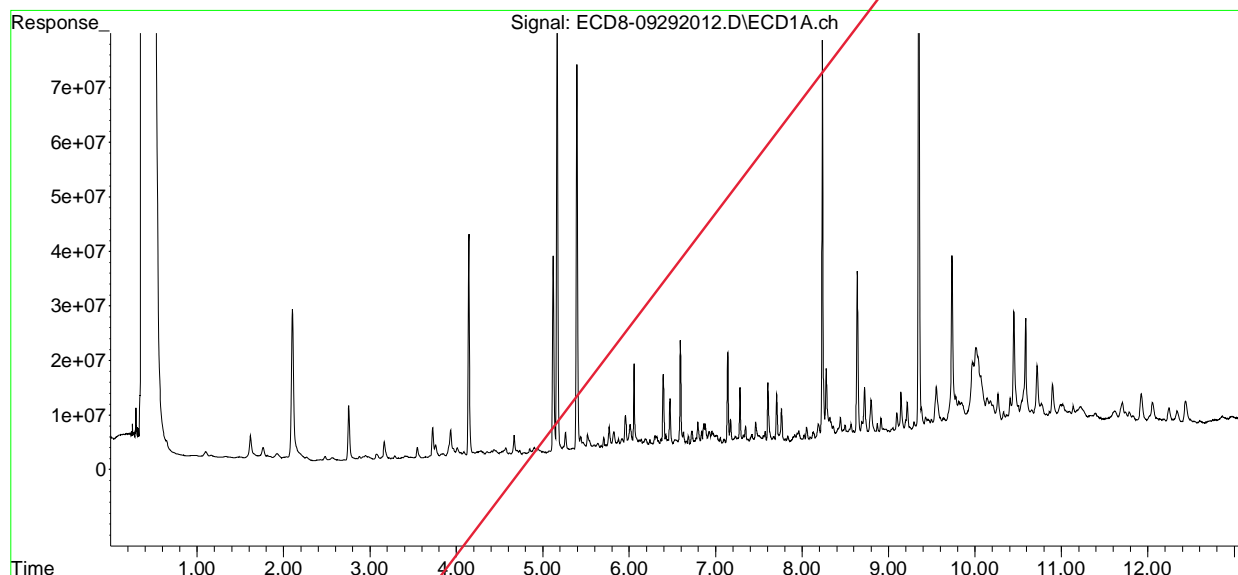
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.760f	8.660	6089710	6211632	1.316	1.587
31)	Mirex	8.415f	9.586	2089566	3512262	0.513	1.254 #
32)	Chlordane...	7.419	8.220	1753794	1362615	3.877	3.084
33)	Chlordane...	7.499f	8.370f	1411575	10070197	2.566	27.054 #
34)	Chlordane...	8.050f	9.006	2572526	1316994	17.737	2.567 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.435	1689738	2034378	98.229	67.281 #
37)	Toxaphene...	7.604	8.776	11025147	1294175	337.238	32.933 #
38)	Toxaphene...	7.915	8.799	1299863	3065712	17.251	48.480 #
39)	Toxaphene...	8.188f	8.890	3017258	2258417	40.282	17.660 #
40)	Toxaphene...	8.361	9.052	2498716	3507861	44.739	61.785 #
41)	Toxaphene...	8.444	9.416	4016331	2497258	52.244	38.569 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:31
Operator : MJB
Sample : A0I0556-31RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:14:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:48
 Operator : MJB
 Sample : A0I0556-35RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:21:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	92086964	92798981	24.672	26.436
22) S DCBP (S)	9.348	10.431	123.0E6	97499339	40.365	45.421
Target Compounds						
2) a-BHC	5.707	6.511	1843494	126099	0.374	0.069 #
3) g-BHC	5.992	6.822	339380	223994	0.077	0.057 #
4) b-BHC	6.056	6.901	986569	264645	0.497	0.140 #
5) Heptachlor	6.398	7.170f	438401	306442	0.104	0.047 #
6) d-BHC	6.199	7.109f	298097	713998	0.072	0.220 #
7) Aldrin	6.627	7.473	250746	145876	0.057	0.031 #
8) Heptachlo...	7.099	7.873	375319	1088953	0.093	0.297 #
9) trans-Chl...	7.167	8.013	478590	604429	0.116	0.163 #
10) cis-Chlor...	7.288	8.163f	504591	1213544	0.123	0.342 #
11) Endosulfa...	7.376	8.191	472847	848835	0.125	0.256 #
12) 4,4'-DDE	7.345	8.247	1032317	1520670	0.253	0.461 #
13) Dieldrin	7.533	8.394	616842	2344408	0.146	0.637 #
14) Endrin	7.712	8.625	1653359	1739697	0.547	0.686 #
15) 4,4'-DDD	7.758	8.659	1487244	1642138	0.445	0.581 #
16) Endosulfa...	7.868	8.752	616258	1138795	0.191	0.388 #
17) 4,4'-DDT	7.960	8.891	1527332	1500614	0.494	0.568
18) Endrin Al...	8.136	9.009	1417658	492587	0.431	0.173 #
19) Endosulfa...	8.444	9.205	3579230	1604238	1.236	0.626 #
20) Methoxychlor	8.316	9.367	1970933	1260712	1.301	0.850 #
21) Endrin Ke...	8.638	9.595	33517611	2994505	14.501	1.717 #
23) Hexachlor...	2.951	3.580f	364081	4754531	BelowCal	1.060
24) Hexachlor...	5.547	6.384	327149	3322597	BelowCal	0.781
25) Oxychlorane	7.042f	7.823	342840	448876	104477.251	BelowCal #
26) 2,4'-DDE	7.099	8.013	375319	604429	BelowCal	0.069
27) trans-Non...	7.253	8.103	790238	474170	BelowCal	BelowCal
28) 2,4'-DDD	7.466	8.394	1027481	2344408	0.265	0.994 #
29) 2,4'-DDT	7.633	8.625	777336	1739697	0.152	0.663 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 14:48
 Operator : MJB
 Sample : A0I0556-35RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:21:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

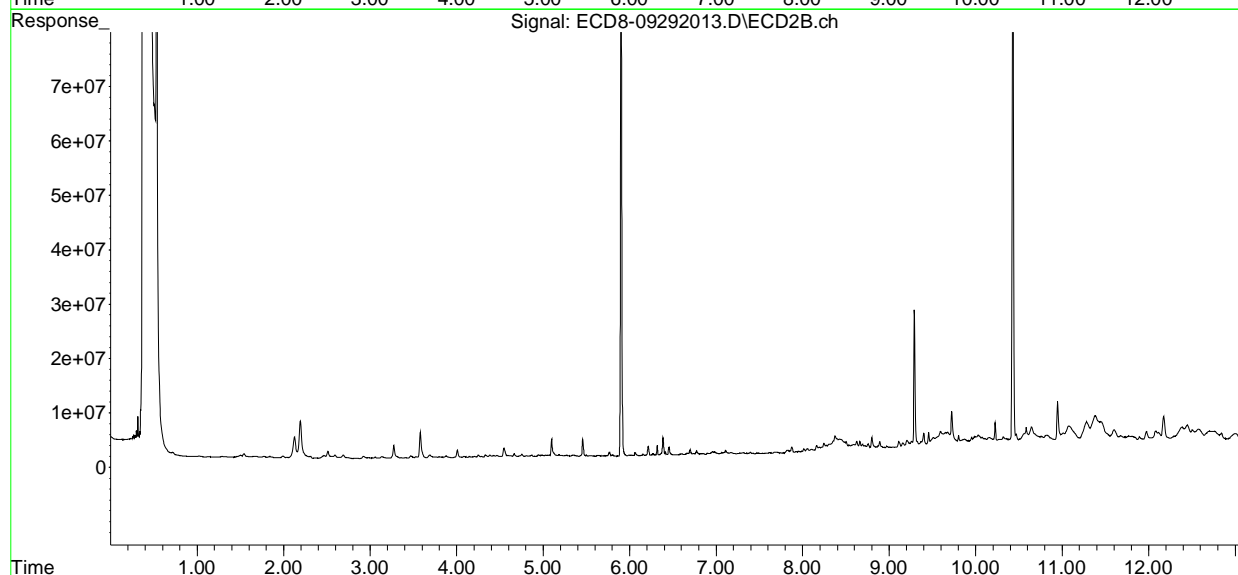
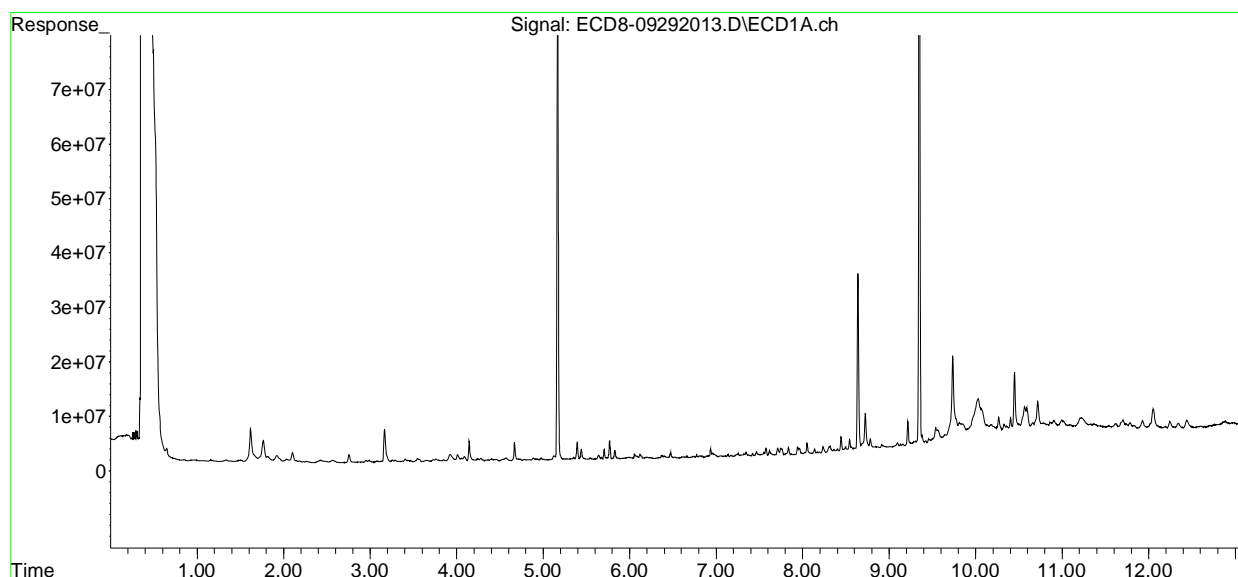
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.745	8.659	1644202	1642138	0.221	0.288 #
31)	Mirex	8.400	9.595	1340430	2994505	0.226	1.009 #
32)	Chlordane...	7.421	8.247f	768241	1520670	1.698	3.442 #
33)	Chlordane...	7.533	8.319	616842	1352280	1.121	3.633 #
34)	Chlordane...	8.090	9.009	719961	492587	4.964	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.322	8.426	745029	2248578	43.311	74.365 #
37)	Toxaphene...	7.616	8.752	1205626	1138795	34.015	28.979
38)	Toxaphene...	7.901	8.800	500836	2315069	6.647	36.610 #
39)	Toxaphene...	8.168	8.872	884281	783612	8.296	1.471 #
40)	Toxaphene...	8.360	9.046	1215207	472988	21.758	8.331 #
41)	Toxaphene...	8.444	9.399f	3579230	2808266	46.558	43.372
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 14:48
Operator : MJB
Sample : A0I0556-35RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:21:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:04
 Operator : MJB
 Sample : A0I0556-36RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:22:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.168	5.904	120.9E6	130.3E6	32.383	37.127
22) S DCBP (S)	9.347	10.431	121.4E6	96516021	39.836	44.979
Target Compounds						
2) a-BHC	5.707	0.000	2505955	0	0.509	N.D. #
3) g-BHC	5.974	6.826	162975	180880	0.037	0.046
4) b-BHC	6.056	6.899	1265819	257083	0.638	0.136 #
5) Heptachlor	6.392	7.175	360702	245834	0.085	0.031 #
6) d-BHC	6.193	7.109f	398011	705563	0.096	0.218 #
7) Aldrin	6.626	7.473	282873	136807	0.065	0.028 #
8) Heptachlo...	7.098	7.873	351110	2473825	0.087	0.676 #
9) trans-Chl...	7.178	8.042	339632	418802	0.082	0.113 #
10) cis-Chlor...	7.254f	8.137	786271	110003	0.192	0.031 #
11) Endosulfa...	7.379	8.163f	498315	954811	0.132	0.288 #
12) 4,4'-DDE	7.345	8.247	846611	750607	0.207	0.237
13) Dieldrin	7.550	8.395	598488	1151797	0.142	0.313 #
14) Endrin	7.711	8.624	1481070	413087	0.490	0.137 #
15) 4,4'-DDD	7.761	8.659	2131420	1691598	0.638	0.599
16) Endosulfa...	7.869	8.756	604510	806121	0.187	0.275 #
17) 4,4'-DDT	7.969	8.895	1470536	555083	0.476	0.200 #
18) Endrin Al...	8.135	9.011	1212261	428350	0.368	0.150 #
19) Endosulfa...	8.444	9.204	6673740	1482729	2.304	0.575 #
20) Methoxychlor	8.317	9.366	2919126	1047955	1.926	0.707 #
21) Endrin Ke...	8.637	9.588	41845234	1577495	18.103	0.855 #
23) Hexachlor...	2.951	3.580f	514637	3742796	BelowCal	0.786
24) Hexachlor...	5.546	6.384	365912	4501722	BelowCal	1.139
25) Oxychlorane	7.039f	7.827	309076	598754	104477.261	BelowCal #
26) 2,4'-DDE	7.098	8.017	351110	324161	BelowCal	BelowCal
27) trans-Non...	7.254	8.104	786271	283477	BelowCal	BelowCal
28) 2,4'-DDD	7.466	8.395	1044771	1151797	0.273	0.381 #
29) 2,4'-DDT	7.634	8.624	976280	413087	0.238	0.005 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:04
 Operator : MJB
 Sample : A0I0556-36RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:22:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

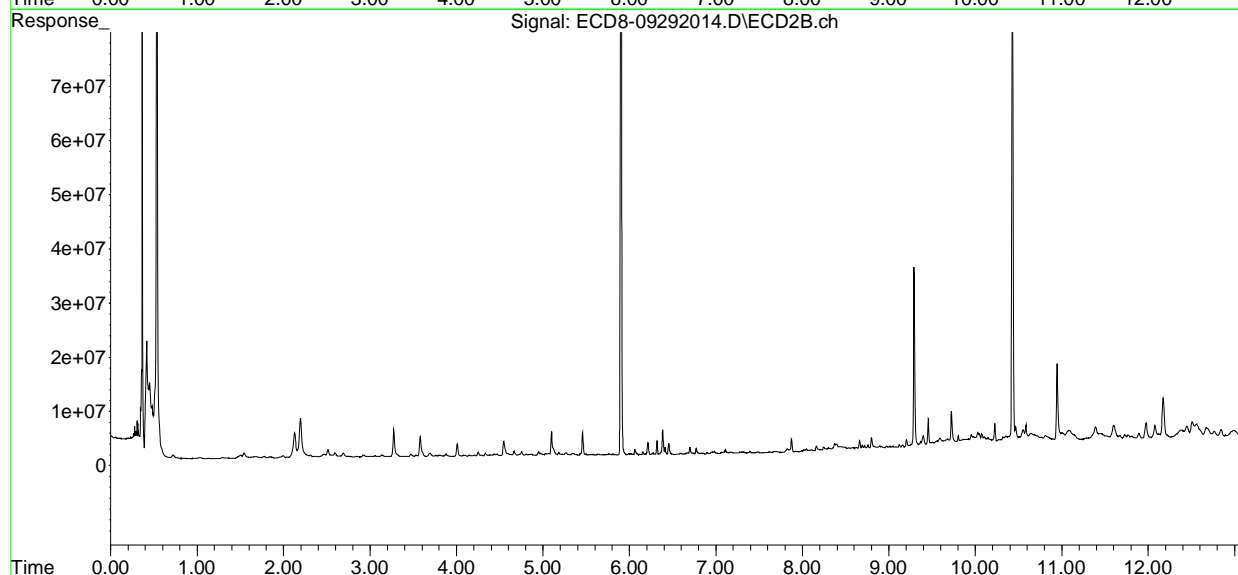
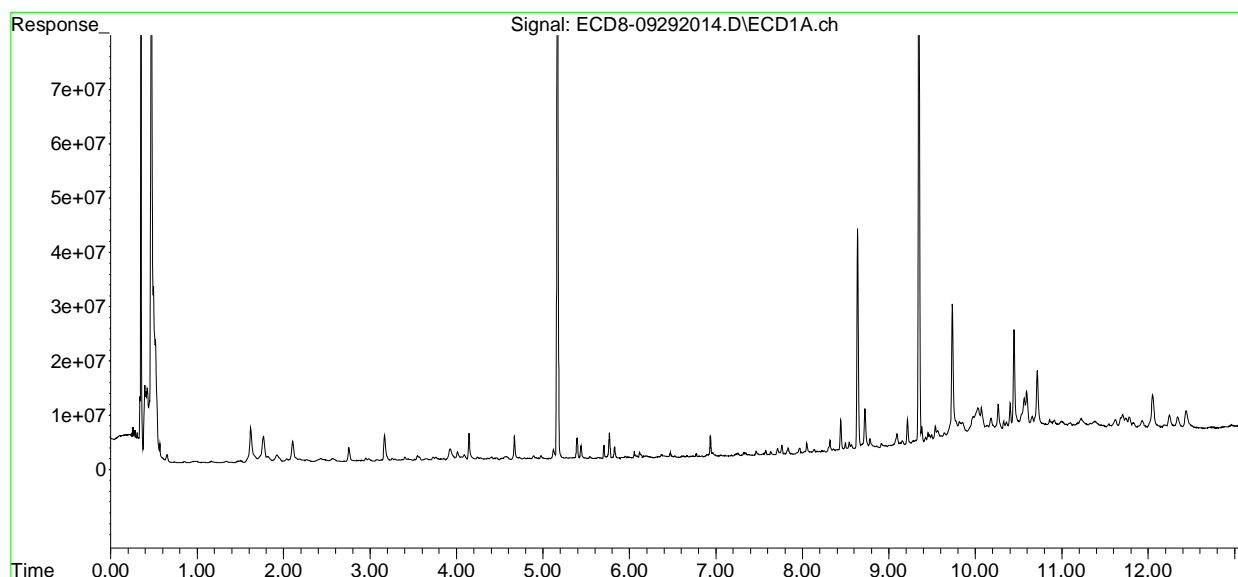
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.711f	8.659	1481070	1691598	0.181	0.302 #
31)	Mirex	8.387	9.588	1158471	1577495	0.156	0.336 #
32)	Chlordane...	7.420	8.215	375726	211771	0.831	0.479 #
33)	Chlordane...	7.550f	8.301f	598488	519819	1.088	1.397 #
34)	Chlordane...	8.092f	9.011	850056	428350	5.861	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.322	8.424	906564	707974	52.701	23.414 #
37)	Toxaphene...	7.611	8.756	440036	806121	10.435	20.514 #
38)	Toxaphene...	7.901	8.800	513650	2071046	6.817	32.751 #
39)	Toxaphene...	8.170	8.865	942156	343334	9.165	BelowCal #
40)	Toxaphene...	8.387	9.038	1158471	371374	20.742	6.541 #
41)	Toxaphene...	8.444	9.398f	6673740	2135096	86.811	32.976 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:04
Operator : MJB
Sample : A0I0556-36RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:22:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:21
 Operator : MJB
 Sample : A0I0556-39RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:28:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.168	5.903	110.1E6	115.7E6	29.505	32.956
22)	S DCBP (S)	9.348	10.431	123.5E6	105.7E6	40.515	49.108
Target Compounds							
2)	a-BHC	5.706	6.543f	2308103	88481	0.469	0.061 #
3)	g-BHC	5.973	6.827	90699	138765	0.021	0.035 #
4)	b-BHC	6.055	6.900	1009548	188113	0.508	0.100 #
5)	Heptachlor	6.392	7.197	285507	118865	0.067	BelowCal #
6)	d-BHC	6.198	7.159	229651	167576	0.056	0.076 #
7)	Aldrin	6.625	7.473	176325	125388	0.040	0.025 #
8)	Heptachlo...	7.101	7.882	1918813	6026426	0.474	1.646 #
9)	trans-Chl...	7.166	8.010f	3559934	7247958	0.860	1.956 #
10)	cis-Chlor...	7.268	8.164f	701821	1110090	0.171	0.313 #
11)	Endosulfa...	7.365	8.181	1937606	858685	0.514	0.259 #
12)	4,4'-DDE	7.335	8.246	6223457	1388695	1.522	0.423 #
13)	Dieldrin	7.531	8.373	467451	3097356	0.111	0.842 #
14)	Endrin	7.707	8.626	2675013	8032487	0.885	3.277 #
15)	4,4'-DDD	7.752	8.659	7487491	1212387	2.242m	0.431 #
16)	Endosulfa...	7.867	8.762	1319725	5212089	0.408	1.777 #
17)	4,4'-DDT	7.952	8.891	5237530	12475897	1.695m MDL=MR4	4.791 # P-01
18)	Endrin Al...	8.137	8.988	4431100	2503404	1.346	0.879 #
19)	Endosulfa...	8.444	9.217f	2920694	2436991	1.008	0.976
20)	Methoxychlor	8.310	9.399f	3150319	2451366	2.079	1.653
21)	Endrin Ke...	8.638	9.585	39181129	3189242	16.951	1.836 #
23)	Hexachlor...	2.952	3.581f	486645	4577322	BelowCal	1.012
24)	Hexachlor...	5.546	6.384	334234	4106952	BelowCal	1.019
25)	Oxychlorane	7.040f	7.820	165831	448494	104477.303	BelowCal #
26)	2,4'-DDE	7.101	8.010	1918813	7247958	0.571	3.077 # P-01
27)	trans-Non...	7.268	8.095	701821	2067947	BelowCal	0.397
28)	2,4'-DDD	7.454	8.373f	1955878	3097356	0.681	1.381 # P-01
29)	2,4'-DDT	7.655	8.626	641709	8032487	0.094	3.768 # P-01

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:21
 Operator : MJB
 Sample : A0I0556-39RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:28:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

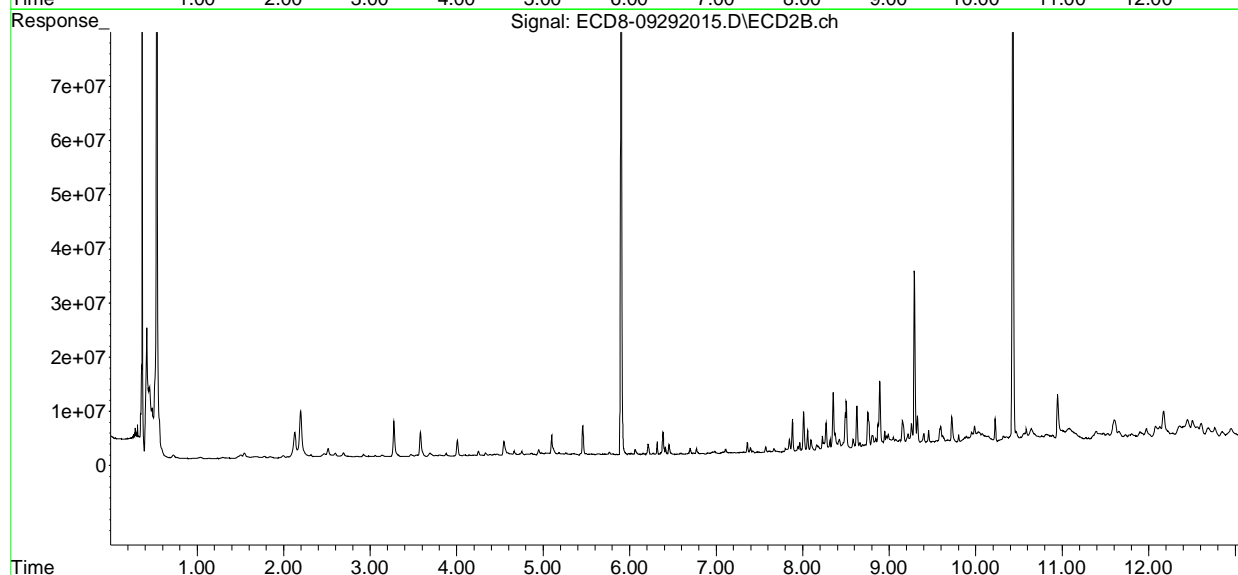
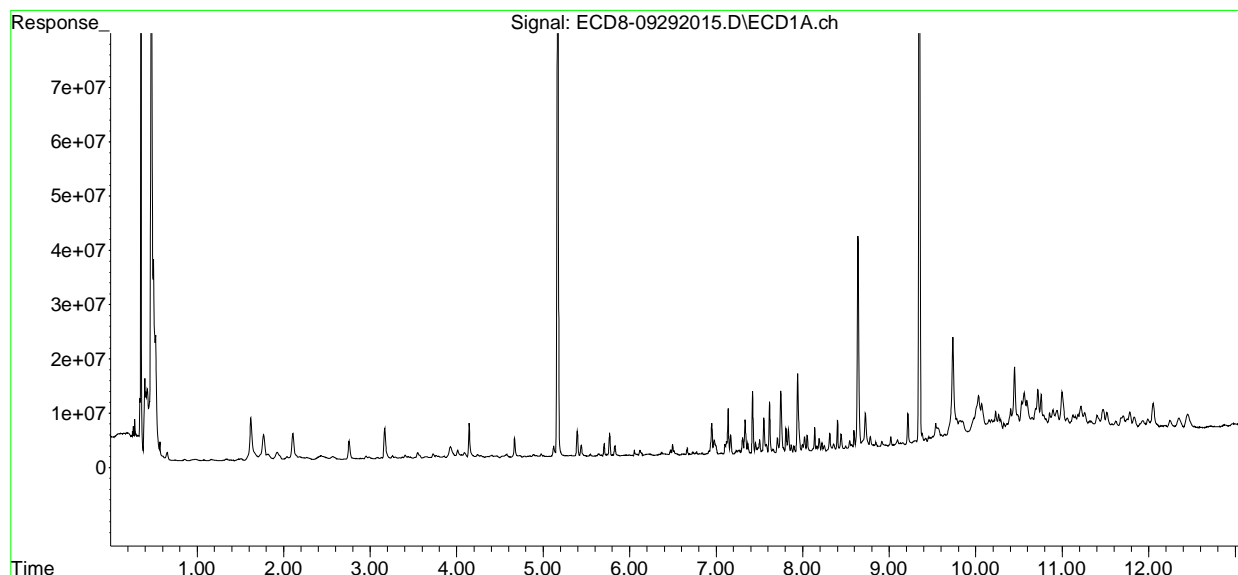
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.746	8.659	11305982	1212387	2.601	0.165 #
31)	Mirex	8.400	9.585	5454745	3189242	1.800	1.101 #
32)	Chlordane...	7.420	8.226	11423780	2724609	25.252	6.167 #
33)	Chlordane...	7.531	8.315	467451	2006151	0.850	5.390 #
34)	Chlordane...	8.051f	8.988	2978536	2503404	20.536	13.752 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.304	8.425	2996055	1977513	174.169	65.400 #
37)	Toxaphene...	7.616	8.762	9391500	5212089	286.689	132.634 #
38)	Toxaphene...	7.900	8.806	1122799	2435888	14.901	38.520 #
39)	Toxaphene...	8.166	8.872	986735	4629072	9.834	43.558 #
40)	Toxaphene...	8.400	9.049	5454745	1980428	97.666	34.882 #
41)	Toxaphene...	8.444	9.399f	2920694	2451366	37.992	37.860
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

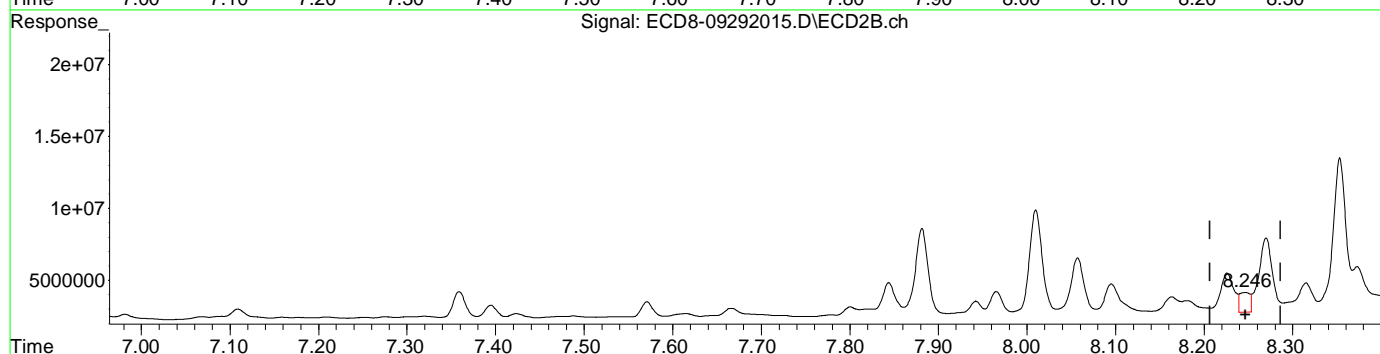
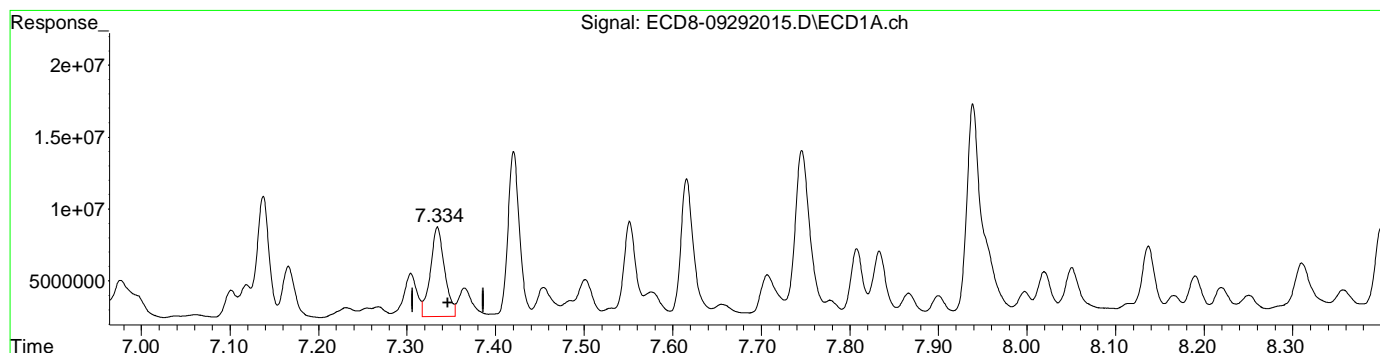
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.335min 1.522 ng/mL
response 6223457

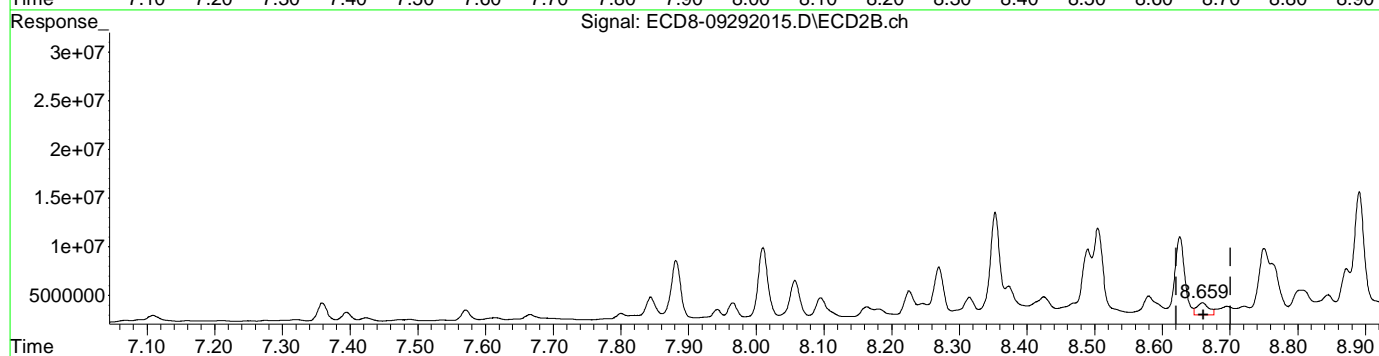
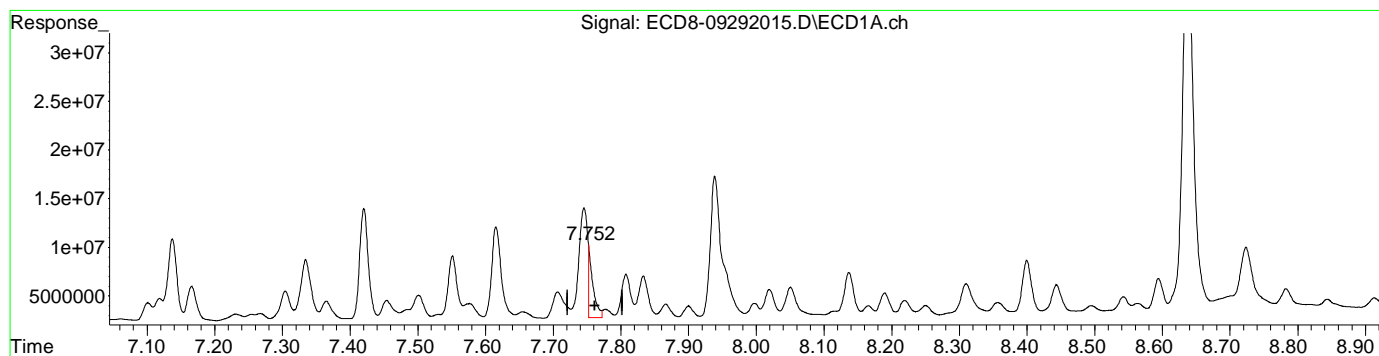
MJB 9/29/20

(12) 4,4'-DDE #2
8.246min 0.423 ng/mL
response 1388695

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.752min 2.242 ng/mL m
response 7487491

MJB 9/29/20

(15) 4,4'-DDD #2
8.659min 0.431 ng/mL
response 1212387

(+) = Expected Retention Time

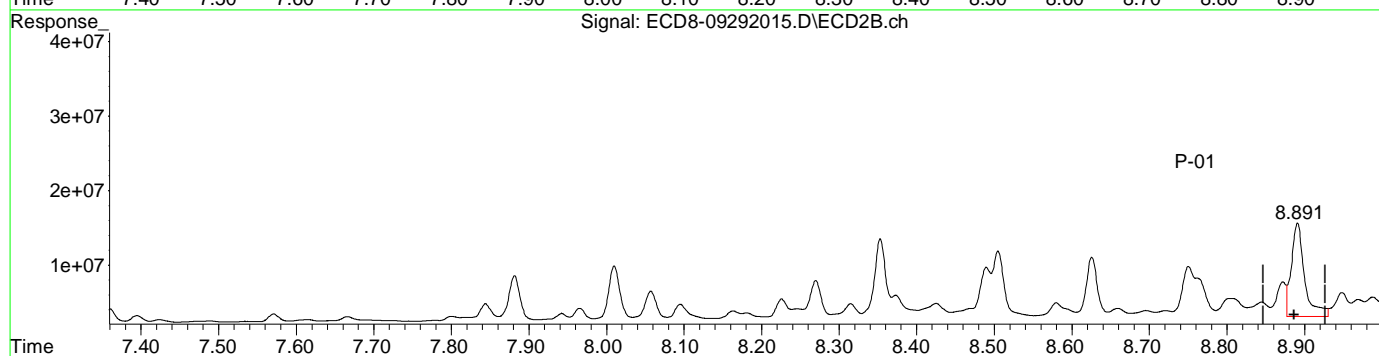
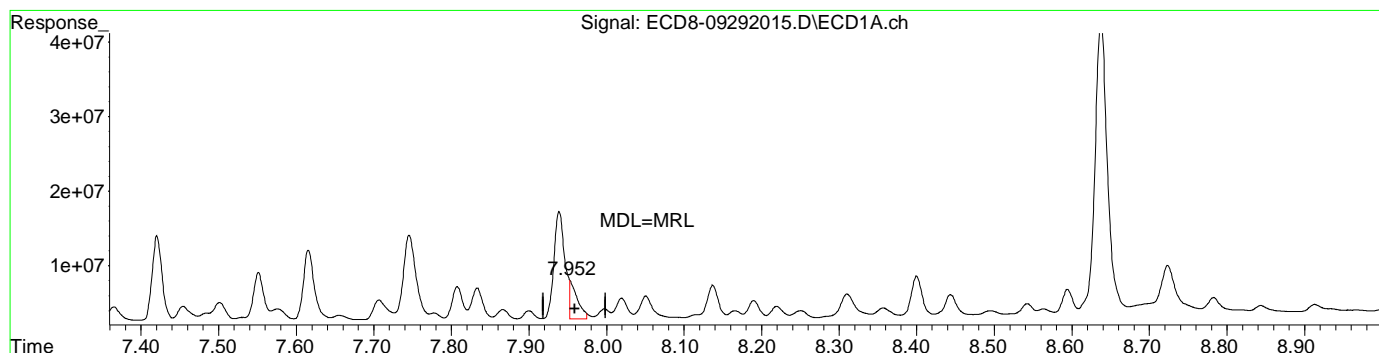
ECD8_QUANTP..._200717RTD.M Tue Sep 29 16:29:48 2020

Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(17) 4,4'-DDT
7.952min 1.695 ng/mL m
response 5237530

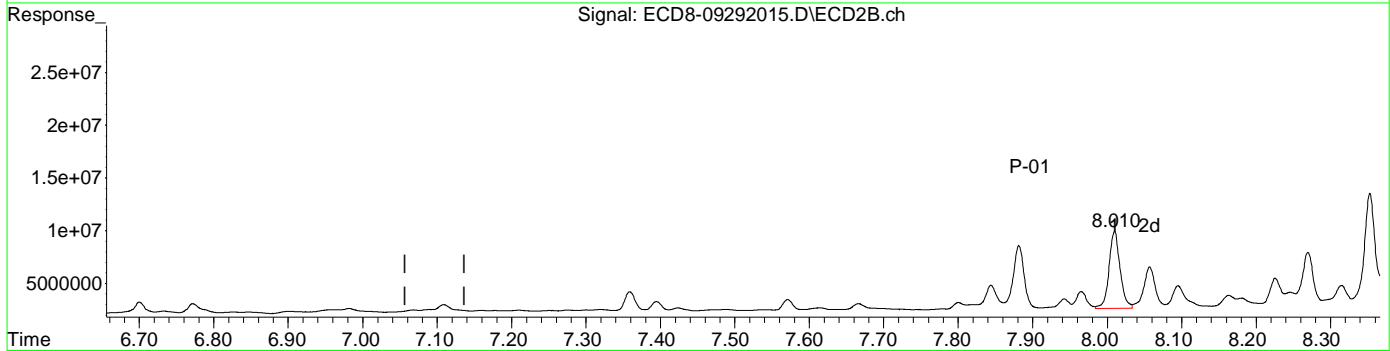
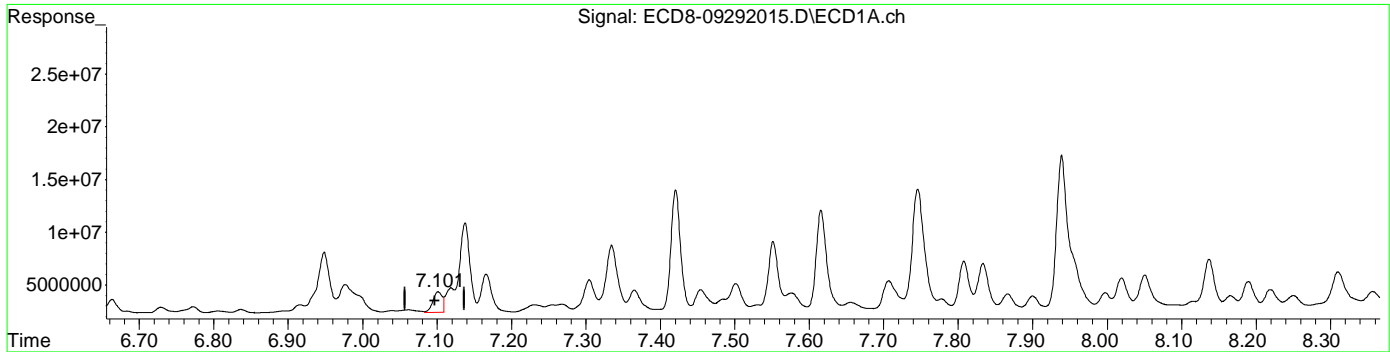
MJB 9/29/20

(17) 4,4'-DDT #2
8.891min 4.791 ng/mL
response 12475897

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(26) 2,4'-DDE
7.101min 0.571 ng/mL
response 1918813

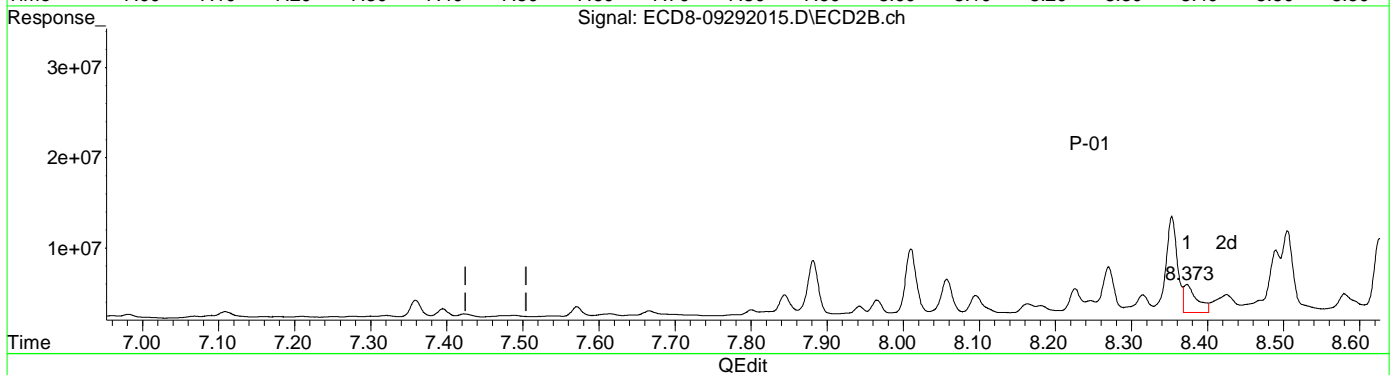
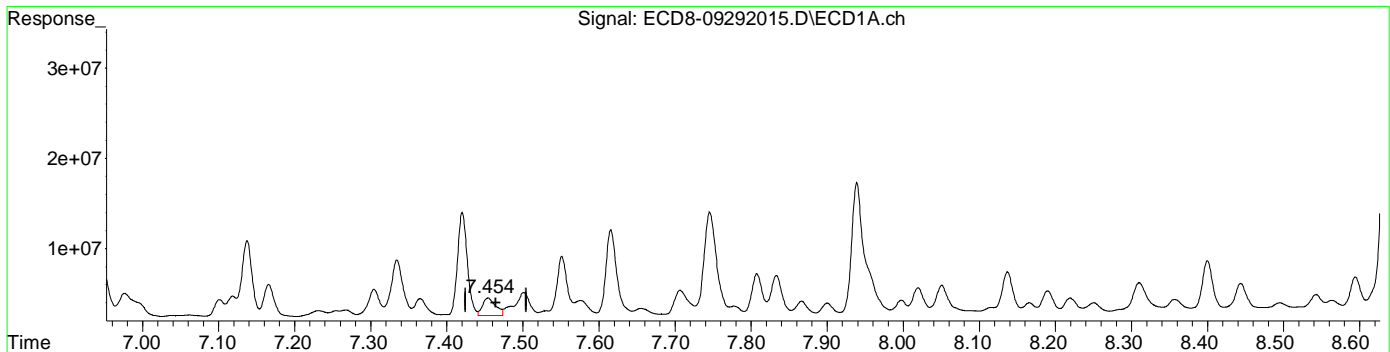
MJB 9/29/20

(26) 2,4'-DDE #2
8.010min 3.077 ng/mL
response 7247958

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.454min 0.681 ng/mL
response 1955878

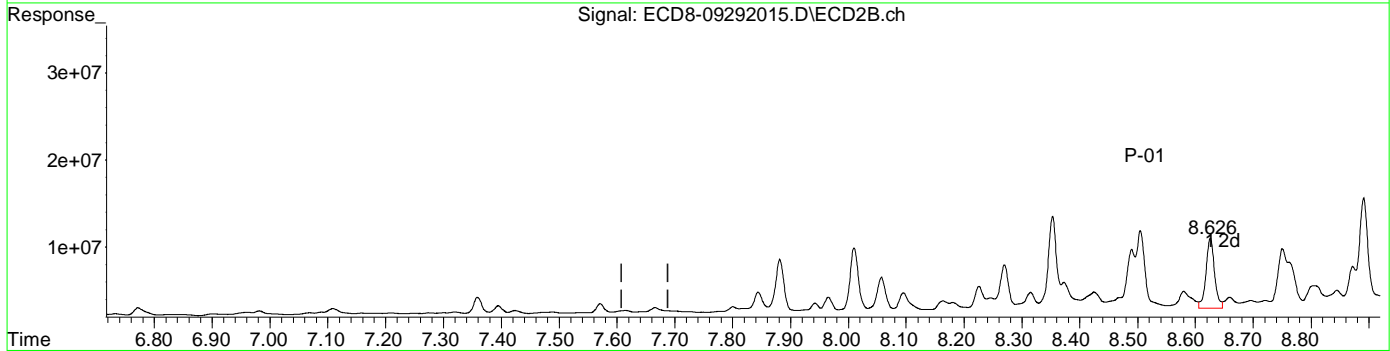
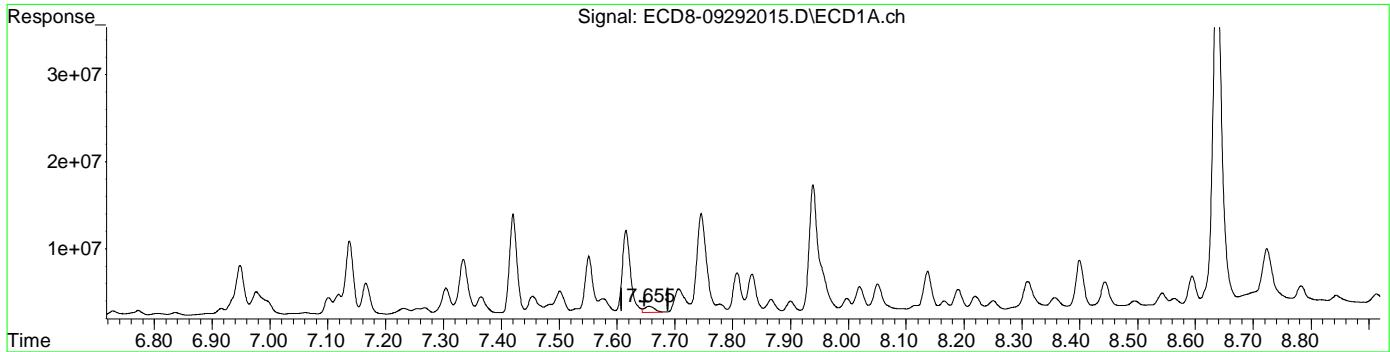
MJB 9/29/20

(28) 2,4'-DDD #2
8.373min 1.381 ng/mL
response 3097356

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(29) 2,4'-DDT
7.655min 0.094 ng/mL
response 641709

MJB 9/29/20

(29) 2,4'-DDT #2
8.626min 3.768 ng/mL
response 8032487

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:21
 Operator : MJB
 Sample : A0I0556-39RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:28:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	110.1E6	115.7E6	29.505	32.956
22) S DCBP (S)	9.348	10.431	123.5E6	105.7E6	40.515	49.108
Target Compounds						
2) a-BHC	5.706	6.543f	2308103	88481	0.469	0.061 #
3) g-BHC	5.973	6.827	90699	138765	0.021	0.035 #
4) b-BHC	6.055	6.900	1009548	188113	0.508	0.100 #
5) Heptachlor	6.392	7.197	285507	118865	0.067	BelowCal #
6) d-BHC	6.198	7.159	229651	167576	0.056	0.076 #
7) Aldrin	6.625	7.473	176325	125388	0.040	0.025 #
8) Heptachlo...	7.101	7.882	1918813	6026426	0.474	1.646 #
9) trans-Chl...	7.166	8.010f	3559934	7247958	0.860	1.956 #
10) cis-Chlor...	7.268	8.164f	701821	1110090	0.171	0.313 #
11) Endosulfa...	7.365	8.181	1937606	858685	0.514	0.259 #
12) 4,4'-DDE	7.335	8.246	6223457	1388695	1.522	0.423 #
13) Dieldrin	7.531	8.373	467451	3097356	0.111	0.842 #
14) Endrin	7.707	8.626	2675013	8032487	0.885	3.277 #
15) 4,4'-DDD	7.777	8.659	877842	1212387	0.263	0.431 #
16) Endosulfa...	7.867	8.762	1319725	5212089	0.408	1.777 #
17) 4,4'-DDT	7.939f	8.891	14434516	12475897	4.671	4.791
18) Endrin Al...	8.137	8.988	4431100	2503404	1.346	0.879 #
19) Endosulfa...	8.444	9.217f	2920694	2436991	1.008	0.976
20) Methoxychlor	8.310	9.399f	3150319	2451366	2.079	1.653
21) Endrin Ke...	8.638	9.585	39181129	3189242	16.951	1.836 #
23) Hexachlor...	2.952	3.581f	486645	4577322	BelowCal	1.012
24) Hexachlor...	5.546	6.384	334234	4106952	BelowCal	1.019
25) Oxychlorane	7.040f	7.820	165831	448494	104477.303	BelowCal #
26) 2,4'-DDE	7.101	8.010	1918813	7247958	0.571	3.077 #
27) trans-Non...	7.268	8.095	701821	2067947	BelowCal	0.397
28) 2,4'-DDD	7.454	8.373f	1955878	3097356	0.681	1.381 #
29) 2,4'-DDT	7.655	8.626	641709	8032487	0.094	3.768 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:21
 Operator : MJB
 Sample : A0I0556-39RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:28:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

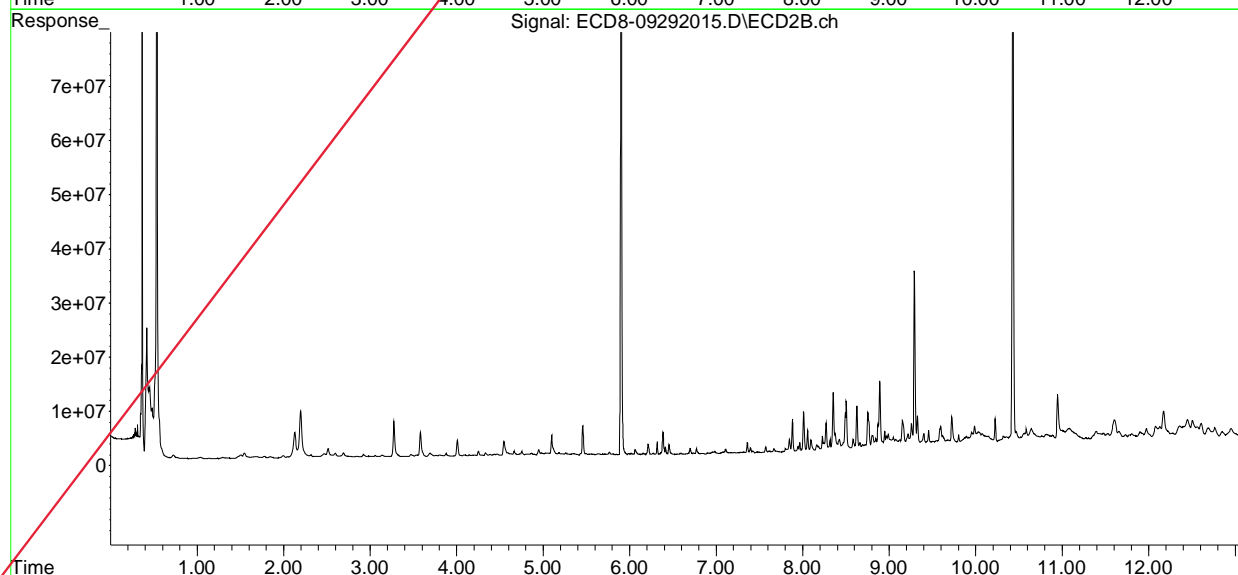
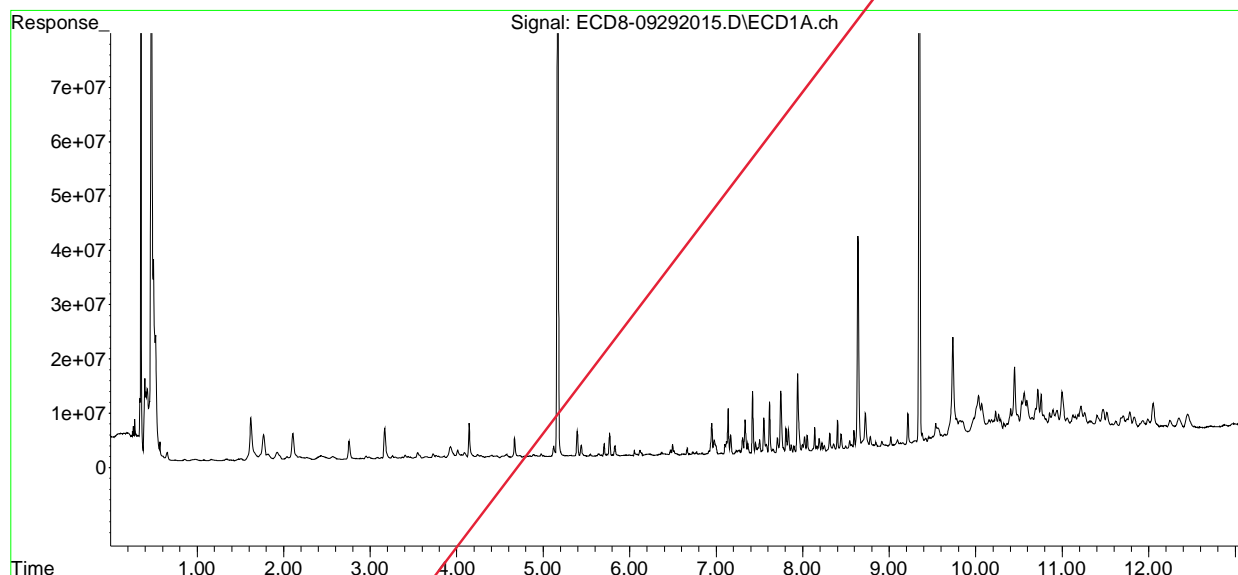
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.746	8.659	11305982	1212387	2.601	0.165 #
31)	Mirex	8.400	9.585	5454745	3189242	1.800	1.101 #
32)	Chlordane...	7.420	8.226	11423780	2724609	25.252	6.167 #
33)	Chlordane...	7.531	8.315	467451	2006151	0.850	5.390 #
34)	Chlordane...	8.051f	8.988	2978536	2503404	20.536	13.752 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.304	8.425	2996055	1977513	174.169	65.400 #
37)	Toxaphene...	7.616	8.762	9391500	5212089	286.689	132.634 #
38)	Toxaphene...	7.900	8.806	1122799	2435888	14.901	38.520 #
39)	Toxaphene...	8.166	8.872	986735	4629072	9.834	43.558 #
40)	Toxaphene...	8.400	9.049	5454745	1980428	97.666	34.882 #
41)	Toxaphene...	8.444	9.399f	2920694	2451366	37.992	37.860
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:21
Operator : MJB
Sample : A0I0556-39RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:28:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:37
 Operator : MJB
 Sample : A0I0556-38RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:34:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 9/29/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	90471278	90704053	24.239	25.839
22) S DCBP (S)	9.347	10.431	131.2E6	106.8E6	43.061	49.577
Target Compounds						
2) a-BHC	5.706	6.545f	2091880	50677	0.425	0.052 #
3) g-BHC	5.970	6.825	180570	186458	0.041	0.047
4) b-BHC	6.055	6.898	1035951	285678	0.522	0.152 #
5) Heptachlor	6.396	7.175	370383	286766	0.087	0.041 #
6) d-BHC	6.192	7.108f	391040	766319	0.095	0.234 #
7) Aldrin	6.623	7.441	279059	82084	0.064	0.013 #
8) Heptachlo...	7.096	7.872	452633	434944	0.112	0.119
9) trans-Chl...	7.175	8.043	313388	543982	0.076	0.147 #
10) cis-Chlor...	7.293	8.135	337625	394324	0.082	0.111 #
11) Endosulfa...	7.377	8.164f	470617	1261481	0.125	0.381 #
12) 4,4'-DDE	7.344	8.246	994284	1051749	0.243	0.325 #
13) Dieldrin	7.550	8.394	733105	1257403	0.173	0.342 #
14) Endrin	7.710	8.625	2054103	751070	0.679	0.277 #
15) 4,4'-DDD	7.760	8.659	2591455	2444439	0.776	0.862
16) Endosulfa...	7.870	8.755	637767	1798047	0.197	0.613 #
17) 4,4'-DDT	7.971	8.893	1989817	1829445	0.644	0.695
18) Endrin Al...	8.134	8.986	1406305	2275059	0.427	0.799 #
19) Endosulfa...	8.443	9.203	11627311	4126907	4.014	1.683 #
20) Methoxychlor	8.316	9.364	4032900	1418162	2.661	0.956 #
21) Endrin Ke...	8.637	9.587	36860432	2119693	15.947	1.185 #
23) Hexachlor...	2.951	3.581f	443199	1894332	BelowCal	0.285
24) Hexachlor...	5.546	6.383	374301	3840799	BelowCal	0.939
25) Oxychlorane	6.991f	7.816	576216	807828	104477.183	0.044 #
26) 2,4'-DDE	7.096	8.038	452633	538561	BelowCal	0.039m
27) trans-Non...	7.254	8.105	796839	554315	BelowCal	BelowCal
28) 2,4'-DDD	7.465	8.394	1423750	1257403	0.442	0.435
29) 2,4'-DDT	7.633	8.625	1525573	751070	0.475	0.173 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:37
 Operator : MJB
 Sample : A0I0556-38RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:34:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

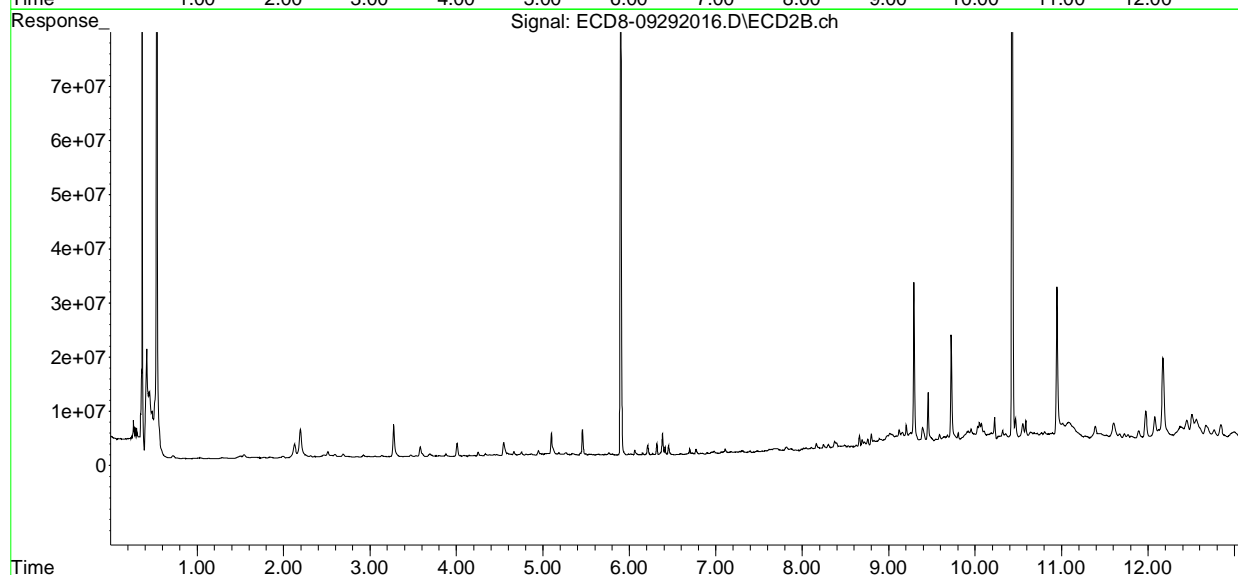
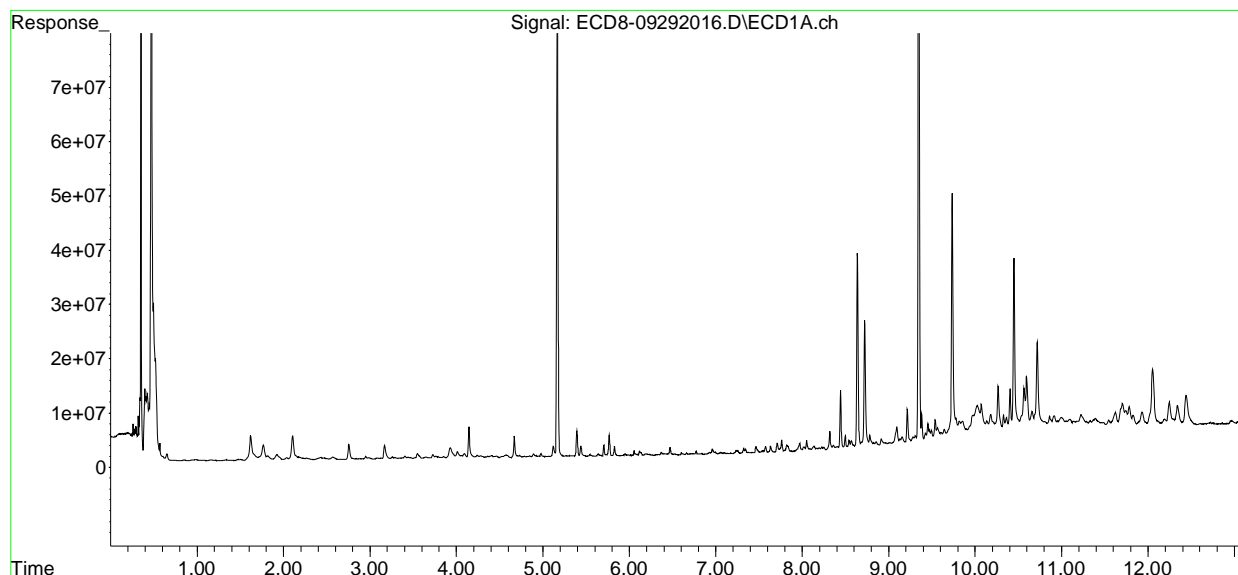
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.710f	8.659	2054103	2444439	0.322	0.516 #
31)	Mirex	8.386	9.587	1141917	2119693	0.150	0.593 #
32)	Chlordane...	7.420	8.216	459176	425701	1.015	0.964
33)	Chlordane...	7.550f	8.299f	733105	992618	1.332	2.667 #
34)	Chlordane...	8.093f	8.986	941372	2275059	6.491	11.601 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.322	8.423	1172012	665199	68.132	21.999 #
37)	Toxaphene...	7.633f	8.755	1525573	1798047	43.871	45.755
38)	Toxaphene...	7.913	8.800	612638	2624277	8.131	41.499 #
39)	Toxaphene...	8.169	8.871	1025097	1394787	10.410	8.187
40)	Toxaphene...	8.386	9.037	1141917	2482997	20.446	43.734 #
41)	Toxaphene...	8.443	9.455f	11627311	10017738	151.246	154.720
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:37
Operator : MJB
Sample : A0I0556-38RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

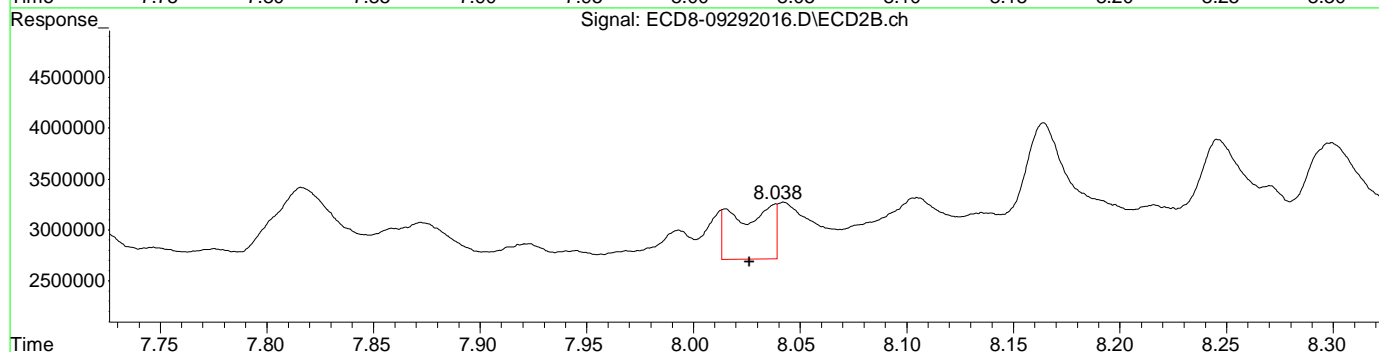
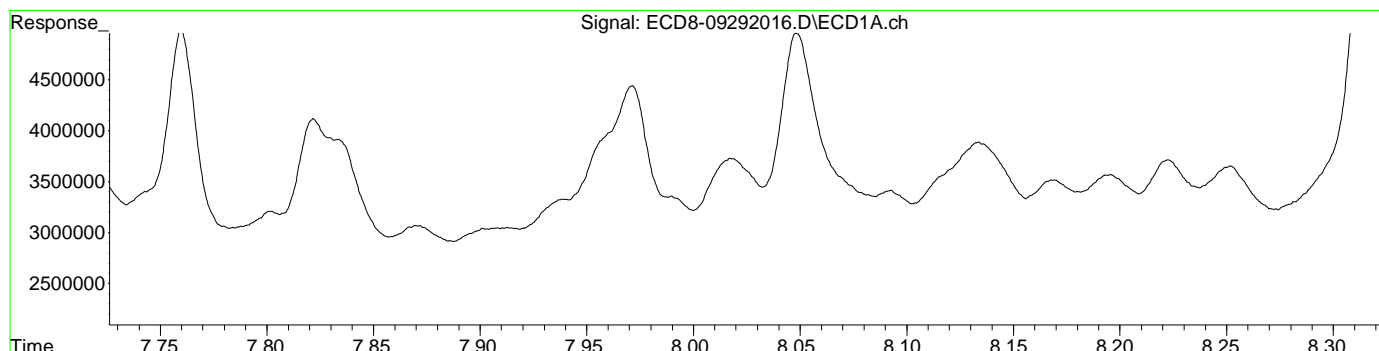
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:34:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:37
Operator : MJB
Sample : A0I0556-38RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:34:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Retention Time (min)	Concentration (ng/mL)	Response
7.096	-0.003	452633
8.038	0.039	538561

MJB 9/29/20

(+) = Expected Retention Time
ECD8_QUANTP..._200717RTD.M Tue Sep 29 16:35:33 2020

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:37
 Operator : MJB
 Sample : A0I0556-38RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:34:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.168	5.903	90471278	90704053	24.239	25.839
22) S DCBP (S)	9.347	10.431	131.2E6	106.8E6	43.061	49.577
Target Compounds						
2) a-BHC	5.706	6.545f	2091880	50677	0.425	0.052 #
3) g-BHC	5.970	6.825	180570	186458	0.041	0.047
4) b-BHC	6.055	6.898	1035951	285678	0.522	0.152 #
5) Heptachlor	6.396	7.175	370383	286766	0.087	0.041 #
6) d-BHC	6.192	7.108f	391040	766319	0.095	0.234 #
7) Aldrin	6.623	7.441	279059	82084	0.064	0.013 #
8) Heptachlo...	7.096	7.872	452633	434944	0.112	0.119
9) trans-Chl...	7.175	8.043	313388	543982	0.076	0.147 #
10) cis-Chlor...	7.293	8.135	337625	394324	0.082	0.111 #
11) Endosulfa...	7.377	8.164f	470617	1261481	0.125	0.381 #
12) 4,4'-DDE	7.344	8.246	994284	1051749	0.243	0.325 #
13) Dieldrin	7.550	8.394	733105	1257403	0.173	0.342 #
14) Endrin	7.710	8.625	2054103	751070	0.679	0.277 #
15) 4,4'-DDD	7.760	8.659	2591455	2444439	0.776	0.862
16) Endosulfa...	7.870	8.755	637767	1798047	0.197	0.613 #
17) 4,4'-DDT	7.971	8.893	1989817	1829445	0.644	0.695
18) Endrin Al...	8.134	8.986	1406305	2275059	0.427	0.799 #
19) Endosulfa...	8.443	9.203	11627311	4126907	4.014	1.683 #
20) Methoxychlor	8.316	9.364	4032900	1418162	2.661	0.956 #
21) Endrin Ke...	8.637	9.587	36860432	2119693	15.947	1.185 #
23) Hexachlor...	2.951	3.581f	443199	1894332	BelowCal	0.285
24) Hexachlor...	5.546	6.383	374301	3840799	BelowCal	0.939
25) Oxychlorane	6.991f	7.816	576216	807828	104477.183	0.044 #
26) 2,4'-DDE	7.096	8.015	452633	494289	BelowCal	0.019
27) trans-Non...	7.254	8.105	796839	554315	BelowCal	BelowCal
28) 2,4'-DDD	7.465	8.394	1423750	1257403	0.442	0.435
29) 2,4'-DDT	7.633	8.625	1525573	751070	0.475	0.173 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:37
 Operator : MJB
 Sample : A0I0556-38RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:34:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

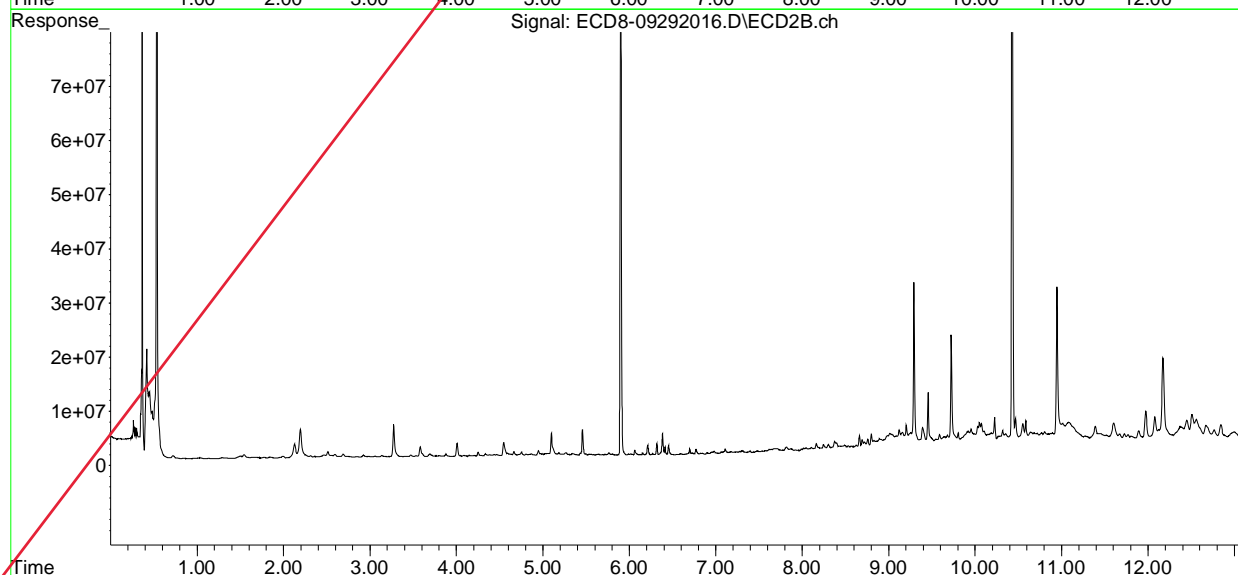
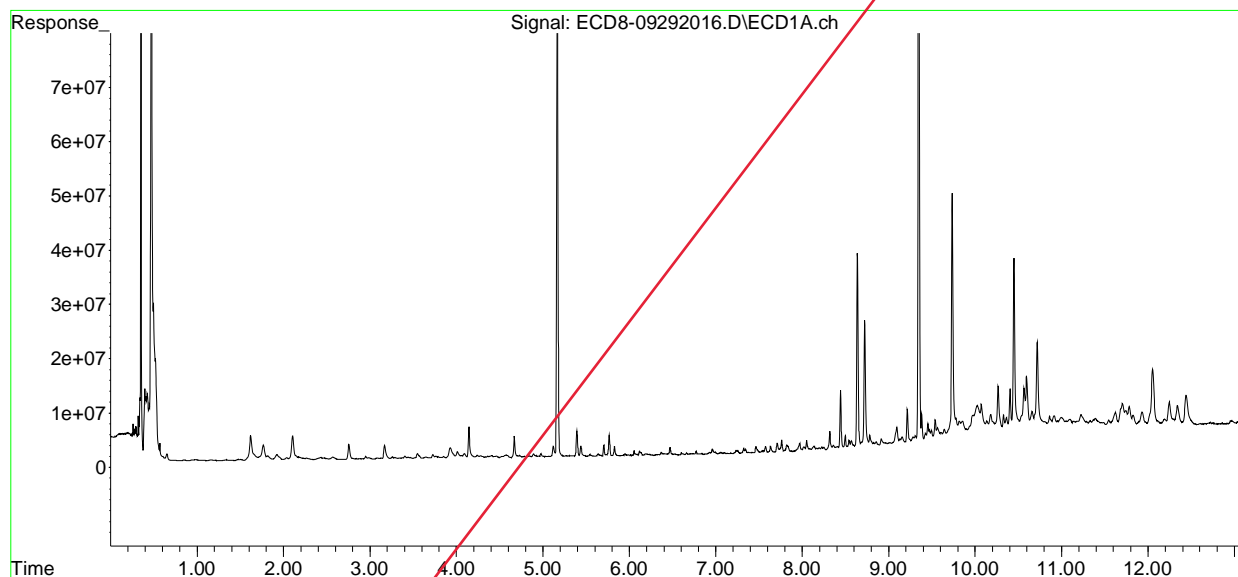
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.710f	8.659	2054103	2444439	0.322	0.516 #
31)	Mirex	8.386	9.587	1141917	2119693	0.150	0.593 #
32)	Chlordane...	7.420	8.216	459176	425701	1.015	0.964
33)	Chlordane...	7.550f	8.299f	733105	992618	1.332	2.667 #
34)	Chlordane...	8.093f	8.986	941372	2275059	6.491	11.601 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.322	8.423	1172012	665199	68.132	21.999 #
37)	Toxaphene...	7.633f	8.755	1525573	1798047	43.871	45.755
38)	Toxaphene...	7.913	8.800	612638	2624277	8.131	41.499 #
39)	Toxaphene...	8.169	8.871	1025097	1394787	10.410	8.187
40)	Toxaphene...	8.386	9.037	1141917	2482997	20.446	43.734 #
41)	Toxaphene...	8.443	9.455f	11627311	10017738	151.246	154.720
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:37
Operator : MJB
Sample : A0I0556-38RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:34:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:54
 Operator : MJB
 Sample : 0I29052-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:37:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.169	5.905	351.4E6	344.4E6	94.146	98.124
22)	S DCBP (S)	9.347	10.431	265.0E6	235.2E6	87.002	104.366
Target Compounds							
2)	a-BHC	5.700	6.506	500.1E6	510.2E6	101.566	99.903
3)	g-BHC	5.980	6.821	443.4E6	460.8E6	100.252	101.387
4)	b-BHC	6.054	6.885	182.4E6	181.1E6	91.848	96.077
5)	Heptachlor	6.389	7.191	427.4E6	433.3E6	100.940	98.797
6)	d-BHC	6.201	7.139	426.6E6	410.0E6	103.429	94.500
7)	Aldrin	6.626	7.455	437.8E6	421.8E6	100.324	100.146
8)	Heptachlo...	7.083	7.892	394.9E6	399.7E6	97.530	109.194
9)	trans-Chl...	7.177	8.031	413.3E6	418.1E6	99.882	112.842
10)	cis-Chlor...	7.275	8.138	402.6E6	398.4E6	98.173	112.281
11)	Endosulfa...	7.368	8.187	378.9E6	369.7E6	100.413	111.611
12)	4,4'-DDE	7.346	8.247	409.7E6	419.2E6	100.212	103.192
13)	Dieldrin	7.540	8.387	420.5E6	421.7E6	99.422	114.660
14)	Endrin	7.701	8.614	344.8E6	331.5E6	114.045	114.642
15)	4,4'-DDD	7.761	8.662	328.0E6	338.7E6	98.202	101.073
16)	Endosulfa...	7.855	8.761	313.7E6	327.3E6	97.018	111.563
17)	4,4'-DDT	7.959	8.887	326.8E6	314.6E6	105.760	100.125
18)	Endrin Al...	8.143	8.998	262.8E6	281.3E6	79.823	98.801
19)	Endosulfa...	8.442	9.188	312.2E6	285.8E6	107.805	102.704
20)	Methoxychlor	8.301	9.366	160.6E6	155.5E6	105.951	104.844
21)	Endrin Ke...	8.633	9.586	387.4E6	348.2E6	167.580	157.994
23)	Hexachlor...	0.000	3.627	0	36327	N.D.	BelowCal
24)	Hexachlor...	5.546	6.388	787336	59478	BelowCal	BelowCal
25)	Oxychlorane	7.021	7.809	1802165	279547	0.343	BelowCal #
26)	2,4'-DDE	7.083	8.031	394.9E6	418.1E6	148.406	156.435
27)	trans-Non...	7.275	8.092	402.6E6	1232144	106.565	0.134 #
28)	2,4'-DDD	7.457	8.387	759034	421.7E6	0.145	175.553 #
29)	2,4'-DDT	7.646	8.614	1039533	331.5E6	0.266	137.321 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 15:54
 Operator : MJB
 Sample : 0I29052-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:37:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

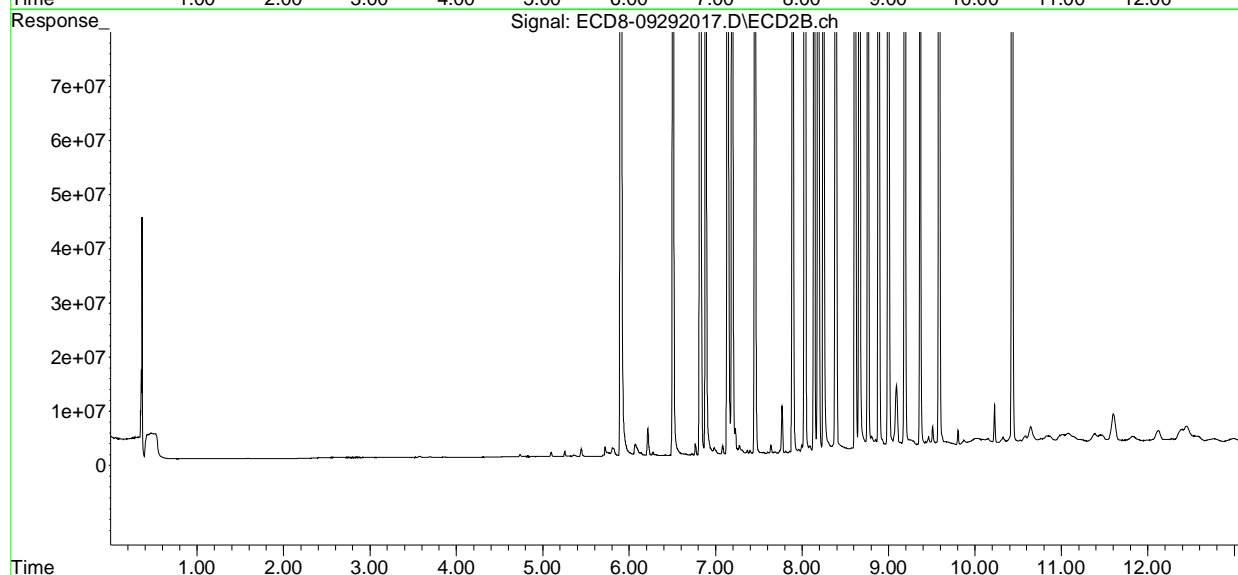
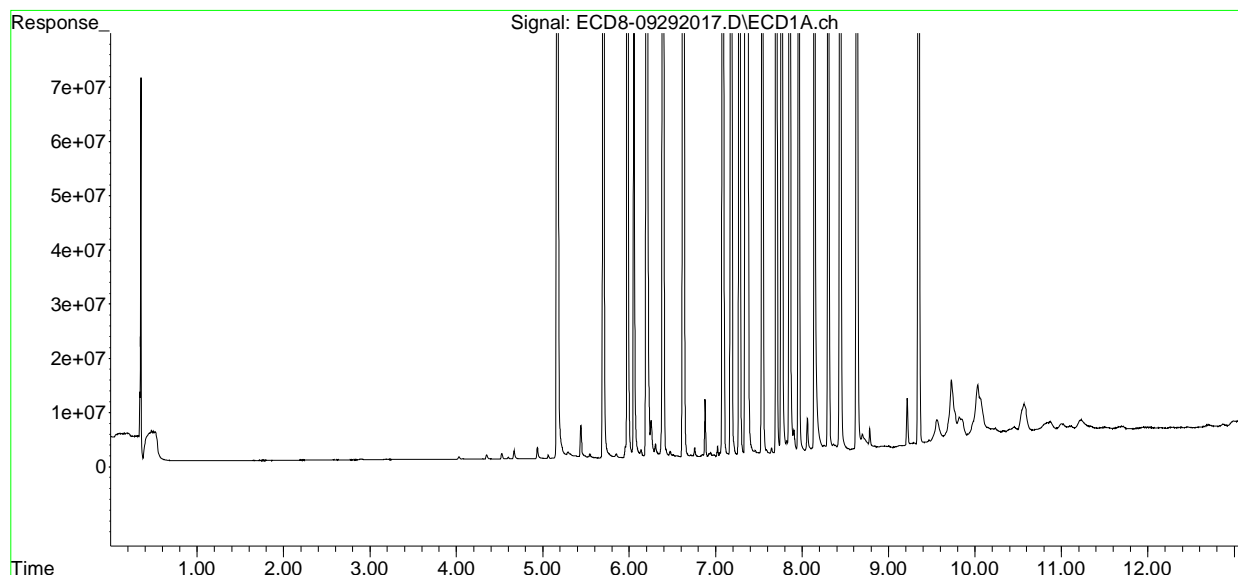
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.761f	8.662	328.0E6	338.7E6	79.672	87.360
31)	Mirex	8.385	9.586	933934	348.2E6	0.071	146.545 #
32)	Chlordane...	7.457f	8.247f	759034	419.2E6	1.678	948.743 #
33)	Chlordane...	7.540	8.341	420.5E6	1034278	764.198	2.779 #
34)	Chlordane...	8.061	8.998	6138891	281.3E6	42.326	2130.792 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.346f	8.387f	409.7E6	421.7E6	23815.900	13946.287 #
37)	Toxaphene...	7.646f	8.761	1039533	327.3E6	28.898	8328.843 #
38)	Toxaphene...	7.906	8.804	4159791	2638533	55.207	41.725
39)	Toxaphene...	8.143	8.887	262.8E6	314.6E6	3443.355	2649.567
40)	Toxaphene...	8.385	0.000	933934	0	16.722	N.D. #
41)	Toxaphene...	8.442	9.431	312.2E6	1345074	4061.603	20.774 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 15:54
Operator : MJB
Sample : 0I29052-CCV3
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:37:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 16:11
 Operator : MJB
 Sample : 0I29052-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:38:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.144f	5.888	2373084	33713	0.636	0.010 #
22) S DCBP (S)	9.344	10.427	395002	670363	BelowCal	0.079
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.993	6.849f	114905	74020	0.026	0.018 #
4) b-BHC	6.056	6.891	121222	95888	0.061	0.051
5) Heptachlor	6.388	7.191	891101	758882	0.210	0.165
6) d-BHC	6.178f	7.144	219316	90782	0.053	0.056
7) Aldrin	6.627	7.472	31543	218643	0.007	0.051 #
8) Heptachlo...	7.098	7.927f	246.4E6	1466747	60.853	0.401 #
9) trans-Chl...	7.173	8.026	999424	225.5E6	0.242	60.853 #
10) cis-Chlor...	7.268	8.134	374.5E6	3974780	91.320	1.120 #
11) Endosulfa...	7.352	8.199	713033	957820	0.189	0.289 #
12) 4,4'-DDE	7.352	8.245	713033	488617	0.174	0.161
13) Dieldrin	7.512f	8.398	4691070	208.7E6	1.109	56.741 #
14) Endrin	7.734f	8.621	415.3E6	226.5E6	137.339	82.185 #
15) 4,4'-DDD	7.734f	8.658	415.3E6	399.5E6	124.332	116.581
16) Endosulfa...	7.886f	0.000	145253	0	0.045	N.D. #
17) 4,4'-DDT	7.959	8.887	149431	480859	0.048	0.171 #
18) Endrin Al...	8.157	9.004	256530	844418	0.078	0.297 #
19) Endosulfa...	8.435	9.201	1111573	512274	0.384	0.168 #
20) Methoxychlor	8.327f	0.000	26295	0	0.017	N.D. #
21) Endrin Ke...	8.639	9.576	544346	242.4E6	0.235	117.720 #
23) Hexachlor...	2.953	3.609	323.7E6	413.5E6	93.013	101.327
24) Hexachlor...	5.547	6.369	320.9E6	310.3E6	88.587	85.424
25) Oxychlorane	7.012	7.820	337.1E6	317.8E6	98.570	99.396
26) 2,4'-DDE	7.098	8.026	246.4E6	225.5E6	93.883	90.994
27) trans-Non...	7.268	8.094	374.5E6	366.3E6	99.146	102.287
28) 2,4'-DDD	7.465	8.398	216.9E6	208.7E6	95.380	95.133
29) 2,4'-DDT	7.647	8.621	246.2E6	226.5E6	102.426	98.380

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 16:11
 Operator : MJB
 Sample : 0I29052-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:38:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

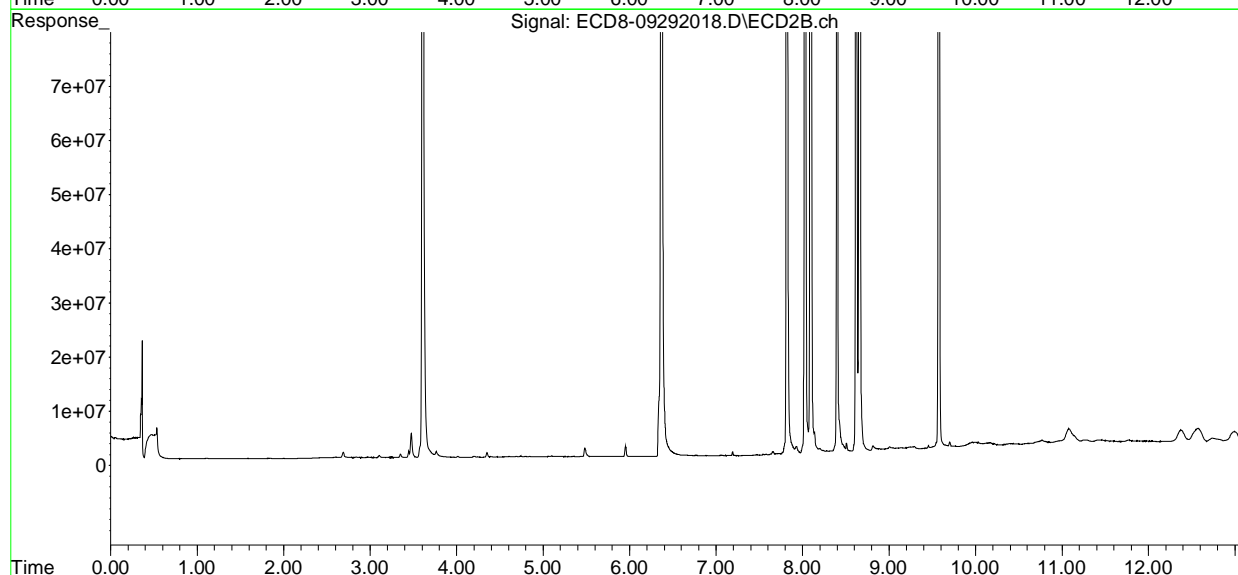
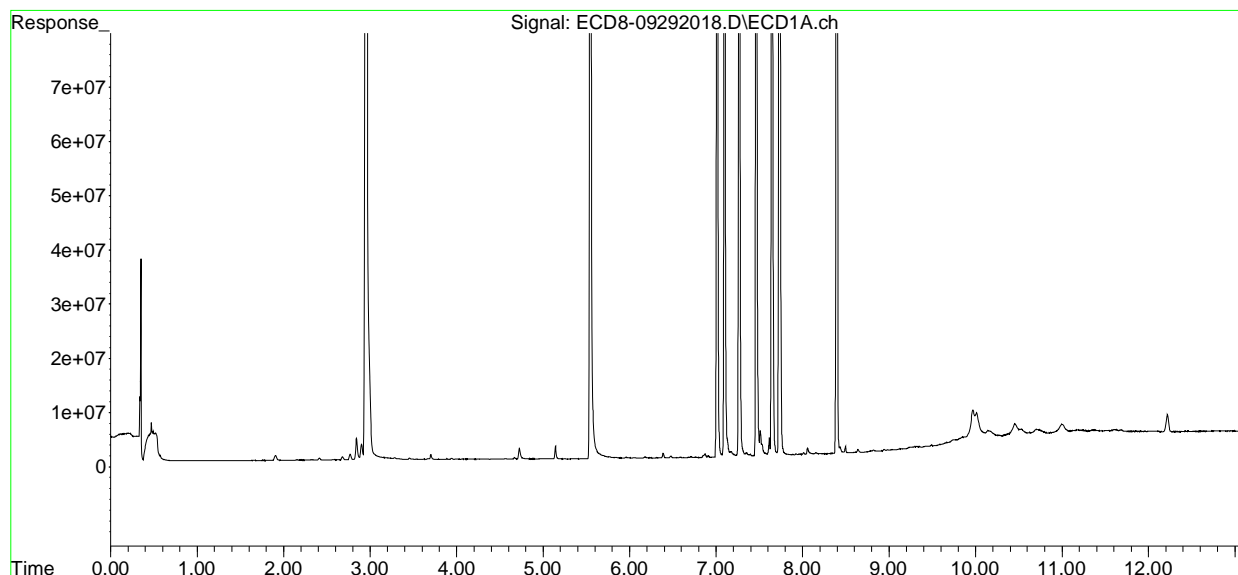
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.734	8.658	415.3E6	399.5E6	100.602	101.537
31)	Mirex	8.393	9.576	257.6E6	242.4E6	98.914	105.252
32)	Chlordane...	7.429	8.225	76290	554546	0.169	1.255 #
33)	Chlordane...	7.512	8.329	4691070	367246	8.526	0.987 #
34)	Chlordane...	8.058	9.004	1144391	844418	7.890	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.352f	8.398f	713033	208.7E6	41.451	6901.487 #
37)	Toxaphene...	7.616	0.000	3275797	0	97.818	N.D. #
38)	Toxaphene...	7.924	8.813	173849	1124862	2.307	17.788 #
39)	Toxaphene...	8.157	8.867	256530	564904	BelowCal	BelowCal
40)	Toxaphene...	8.393	9.070f	257.6E6	520405	4612.730	9.166 #
41)	Toxaphene...	8.435	9.421	1111573	349443	14.459	5.397 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:11
Operator : MJB
Sample : 0I29052-CCV4
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:38:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 16:27
 Operator : MJB
 Sample : 0I29052-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:53:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 9/29/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.168	5.904	330.2E6	313.0E6	88.468	89.170
22) S DCBP (S)	9.346	10.431	259.8E6	232.1E6	85.272	103.091
Target Compounds						
2) a-BHC	5.709	6.466f	63297	120866	0.013	0.068 #
3) g-BHC	5.994	6.830	41407	62511	0.009	0.015 #
4) b-BHC	6.058	6.884	26320	92713	0.013	0.049 #
5) Heptachlor	6.387	0.000	20159	0	0.005	N.D. #
6) d-BHC	6.202	7.143	15651	167102	0.004	0.076 #
7) Aldrin	6.623	7.473	16975	161615	0.004	0.035 #
8) Heptachlo...	7.083	7.888	14076	132622	0.003	0.036 #
9) trans-Chl...	7.166	8.068f	193775	430349	0.047	0.116 #
10) cis-Chlor...	7.273	8.120	284160	303685	0.069	0.086
11) Endosulfa...	7.343f	0.000	54485	0	0.014	N.D. #
12) 4,4'-DDE	7.343	8.235	54485	590567	0.013	0.191 #
13) Dieldrin	7.520	8.354f	18042	968482	0.004	0.263 #
14) Endrin	7.702	8.621	24636	609039	0.008	0.218 #
15) 4,4'-DDD	7.760	8.675	25207	613864	0.008	0.222 #
16) Endosulfa...	7.853	8.758	27475	443975	0.008	0.151 #
17) 4,4'-DDT	7.961	8.894	34054	531386	0.011	0.191 #
18) Endrin Al...	8.144	9.005	253630	560607	0.077	0.197 #
19) Endosulfa...	8.449	9.168	61380	526622	0.021	0.174 #
20) Methoxychlor	8.301	9.365	110633	520957	0.073	0.351 #
21) Endrin Ke...	8.639	9.602	495521	1655212	0.214	0.902 #
23) Hexachlor...	0.000	3.615	0	10228	N.D.	BelowCal
24) Hexachlor...	5.547	6.392f	631650	178808	BelowCal	BelowCal
25) Oxychlorane	7.014	7.850f	20378	113566	104477.345	BelowCal #
26) 2,4'-DDE	7.095	0.000	14792	0	BelowCal	N.D.
27) trans-Non...	7.273	8.110	284160	310094	BelowCal	BelowCal
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.650	8.621	9849	609039	BelowCal	0.102

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 16:27
 Operator : MJB
 Sample : 0I29052-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 16:53:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

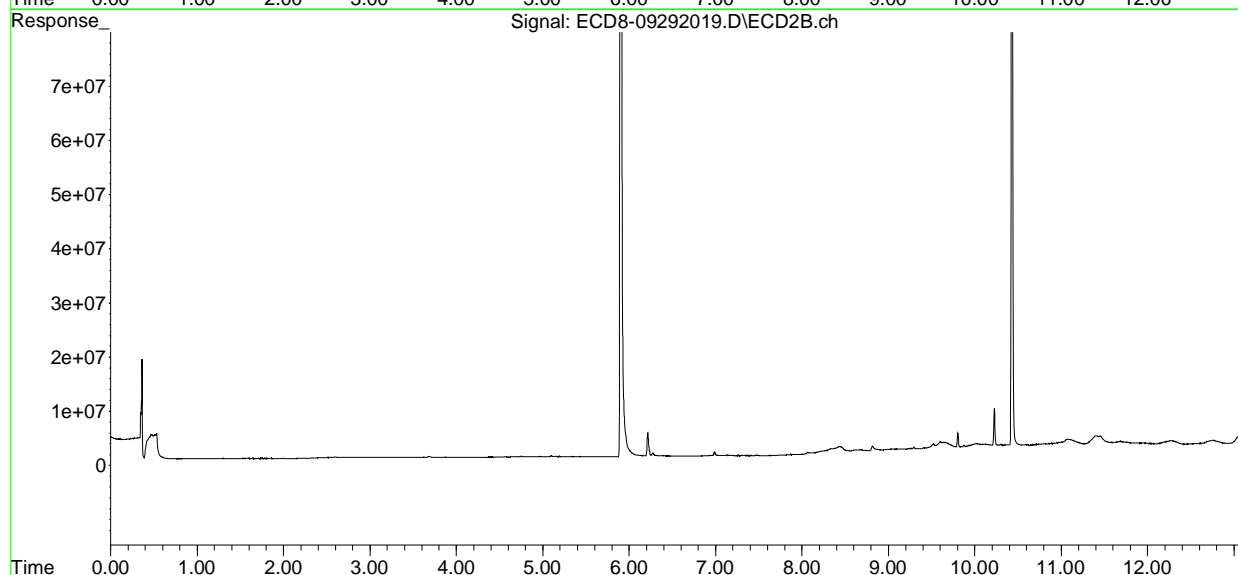
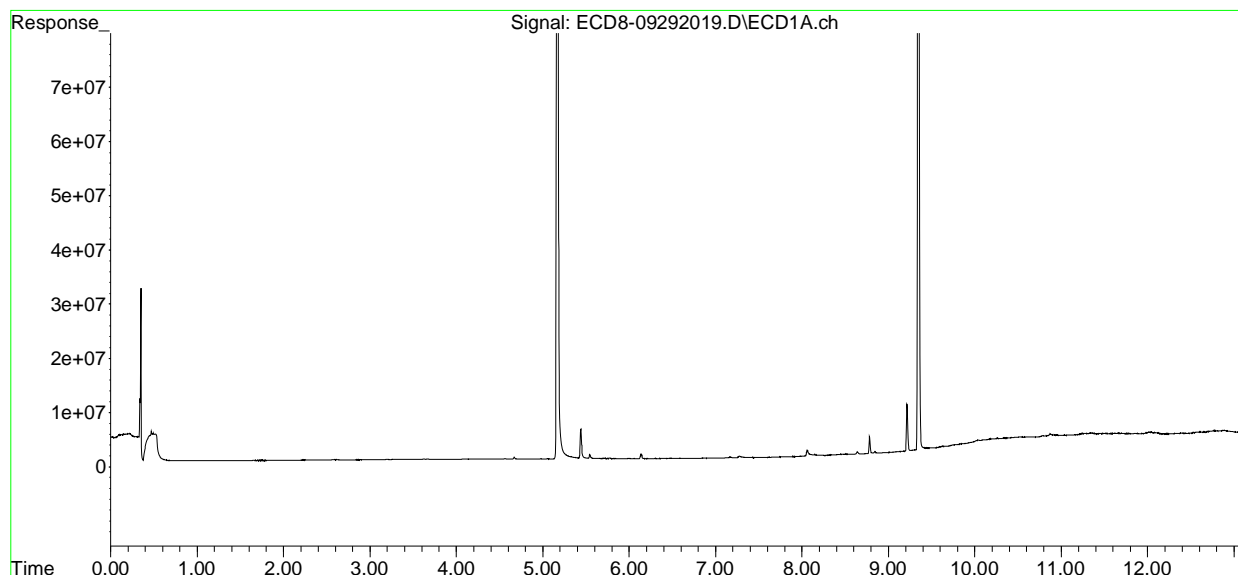
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.735	8.675	20363	613864	BelowCal	BelowCal
31)	Mirex	8.405	9.602f	67184	1655212	14904.428	0.373 #
32)	Chlordane...	0.000	8.235	0	590567	N.D.	1.337 #
33)	Chlordane...	7.520	8.343	18042	961210	0.033	2.582 #
34)	Chlordane...	8.059	9.005	1185266	560607	8.172	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.316	8.440	109241	1370518	6.350	45.326 #
37)	Toxaphene...	7.607	8.758	27655	443975	125254.598	11.298 #
38)	Toxaphene...	7.916	8.814	15602	1295024	0.207	20.479 #
39)	Toxaphene...	8.166	8.894f	187875	531386	BelowCal	BelowCal
40)	Toxaphene...	8.379	9.049	47485	573906	0.850	10.108 #
41)	Toxaphene...	8.449	9.429	61380	654754	0.798	10.112 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:27
Operator : MJB
Sample : 0I29052-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 16:53:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 16:44
 Operator : MJB
 Sample : A0I0556-37RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:14:15 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.167	5.903	104.9E6	106.9E6	28.093	30.459
22)	S DCBP (S)	9.347	10.430	137.9E6	113.8E6	45.258	52.706
Target Compounds							
2)	a-BHC	5.706	6.506	2580521	144928	0.524	0.073 #
3)	g-BHC	5.954f	6.811	6119742	1333088	1.384	0.344 #
4)	b-BHC	6.056	6.896	17268823	1242259	8.698	0.659 #
5)	Heptachlor	6.391	7.205	22502233	1986837	5.315	0.488 #
6)	d-BHC	6.187	7.159f	1639632	18097793	0.397	4.770 #
7)	Aldrin	6.591f	7.455	21545516	397871	4.937	0.100 #
8)	Heptachlo...	7.097	7.876	1363384	1595613	0.337	0.436 #
9)	trans-Chl...	7.172	8.038	3707999	3142443	0.896	0.848
10)	cis-Chlor...	7.280	8.138	9306891	1173067	2.269	0.331 #
11)	Endosulfa...	7.372	8.194	823506	720358	0.218	0.217
12)	4,4'-DDE	7.345	8.245	4435579	3477553	1.085	1.030
13)	Dieldrin	7.554	8.394	1254668	3638890	0.297	0.989 #
14)	Endrin	7.706	8.609	11129260	1291487	3.681	0.500 #
15)	4,4'-DDD	7.761	8.660	9959100	8906980	2.982	3.108
16)	Endosulfa...	7.869	8.751	200495	1625025	0.062	0.554 #
17)	4,4'-DDT	7.971	8.892	3123158	2445254	1.011	0.934
18)	Endrin Al...	8.127	9.009	1320072	1725141	0.401	0.606 #
19)	Endosulfa...	8.444	9.202	29388282	5311362	10.147	2.179 #
20)	Methoxychlor	8.316	9.345f	9013161	1802714	5.947	1.216 #
21)	Endrin Ke...	8.636	9.582	32486687	3618141	14.055	2.096 #
23)	Hexachlor...	2.951	3.606	686810	672672	BelowCal	BelowCal
24)	Hexachlor...	5.521f	6.383	2736324	3899342	0.542	0.956 #
25)	Oxychlorane	7.036f	7.811	732026	1598420	0.030	0.319 #
26)	2,4'-DDE	7.097	8.038	1363384	3142443	0.354	1.221 # P-01
27)	trans-Non...	7.280	8.094	9306891	1852291	2.247	0.329 #
28)	2,4'-DDD	7.464	8.394	5211758	3638890	2.139	1.659 MDL=MRL
29)	2,4'-DDT	7.632	8.623	2944068	1281535	1.088	0.436 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 16:44
 Operator : MJB
 Sample : A0I0556-37RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:14:15 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

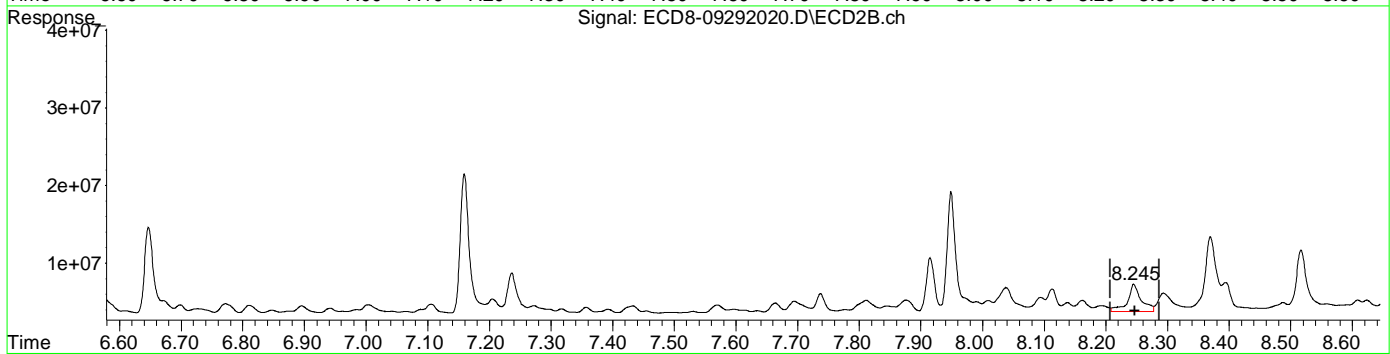
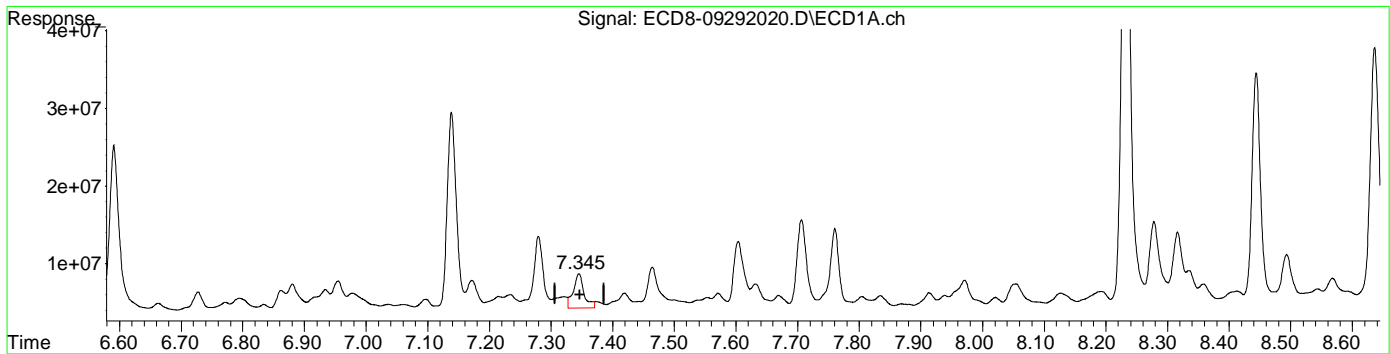
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.761f	8.660	9959100	8906980	2.269	2.352
31)	Mirex	8.413	9.582	1390880	3618141	0.245	1.305 #
32)	Chlordane...	7.419	8.245	1869917	3477553	4.133	7.871 #
33)	Chlordane...	7.554f	8.370f	1254668	9549542	2.280	25.655 #
34)	Chlordane...	8.054	9.009	2626781	1725141	18.111	6.418 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.444f	1513932	316327	88.009	10.462 #
37)	Toxaphene...	7.604	8.751	8390598	1625025	255.739	41.352 #
38)	Toxaphene...	7.913	8.798	1563886	2136885	20.755	33.792 #
39)	Toxaphene...	8.127f	8.892f	1320072	2445254	14.838	19.706 #
40)	Toxaphene...	8.358f	9.047	2298749	3020402	41.158	53.199 #
41)	Toxaphene...	8.444	9.412	29388282	4139031	382.278	63.926 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:44
Operator : MJB
Sample : A0I0556-37RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.345min 1.085 ng/mL
response 4435579

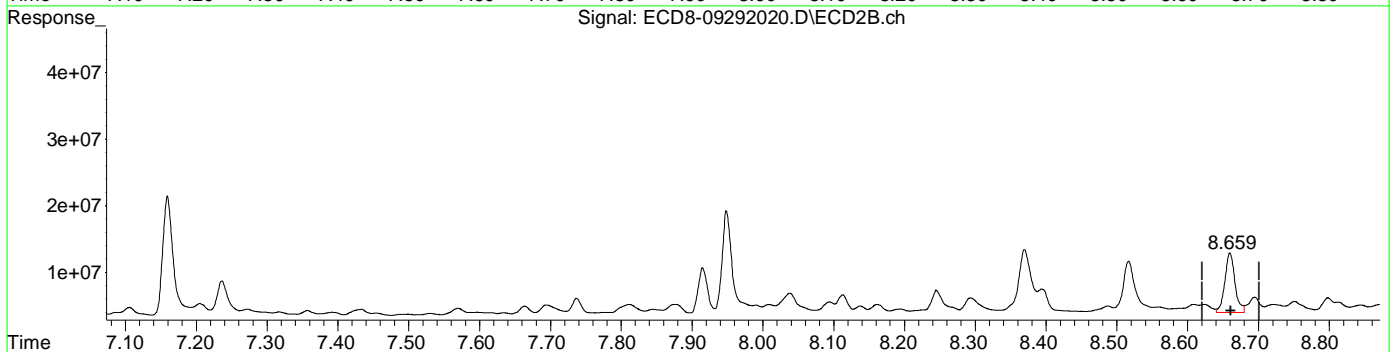
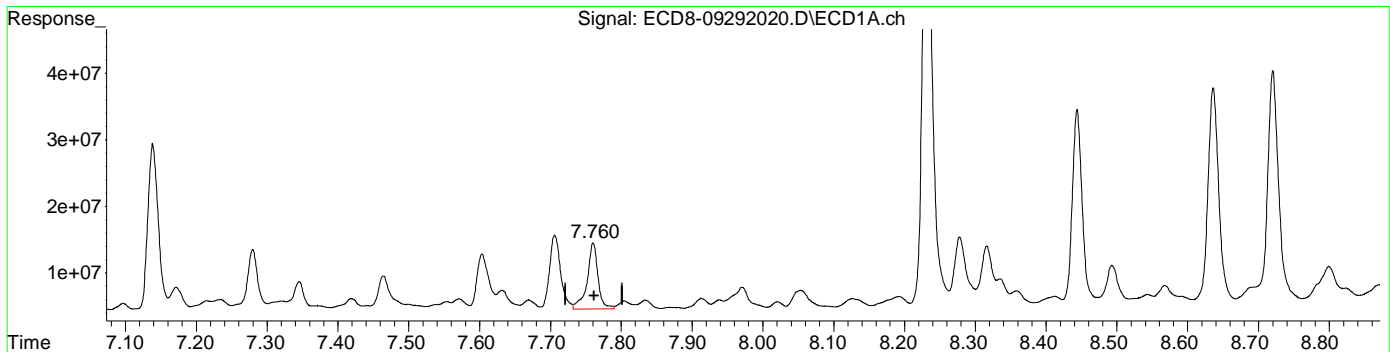
MJB 9/29/20

(12) 4,4'-DDE #2
8.245min 1.030 ng/mL
response 3477553

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:44
Operator : MJB
Sample : A0I0556-37RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.761min 2.982 ng/mL
response 9959100

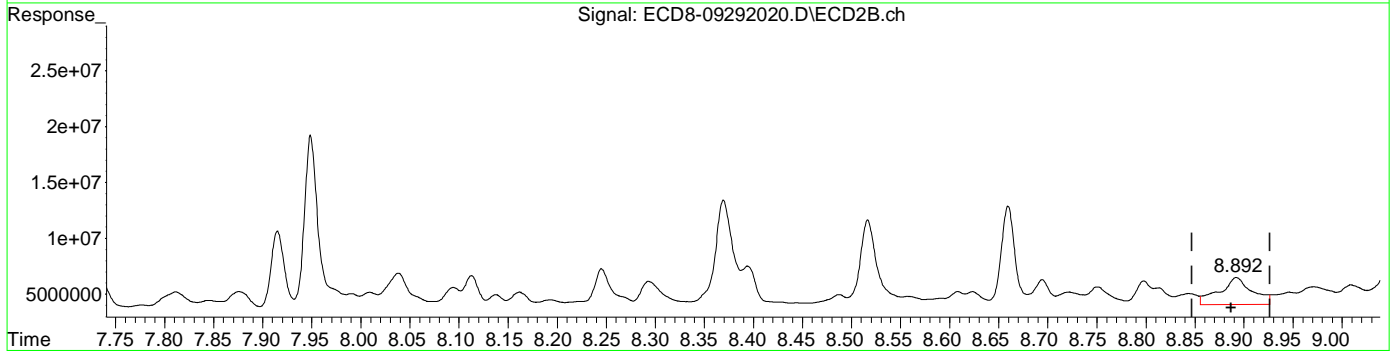
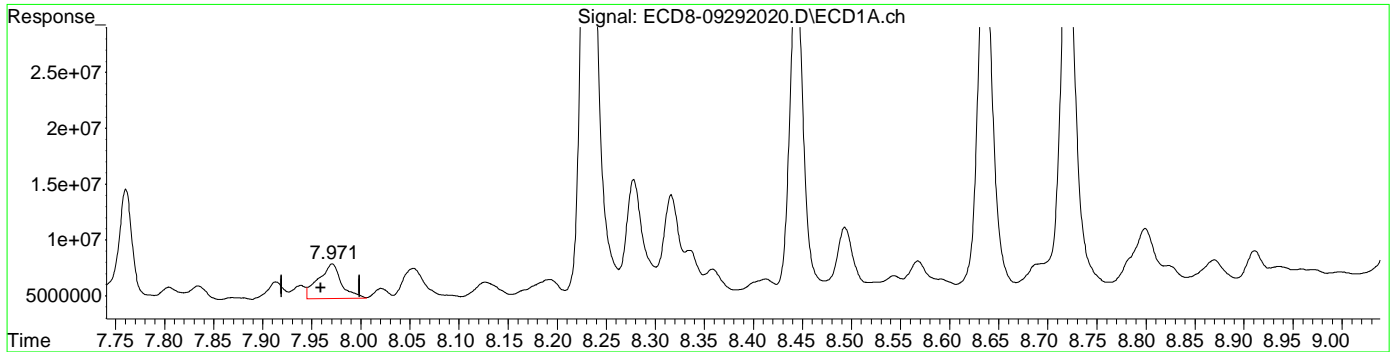
MJB 9/29/20

(15) 4,4'-DDD #2
8.660min 3.108 ng/mL
response 8906980

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:44
Operator : MJB
Sample : A0I0556-37RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(17) 4,4'-DDT
7.971min 1.011 ng/mL
response 3123158

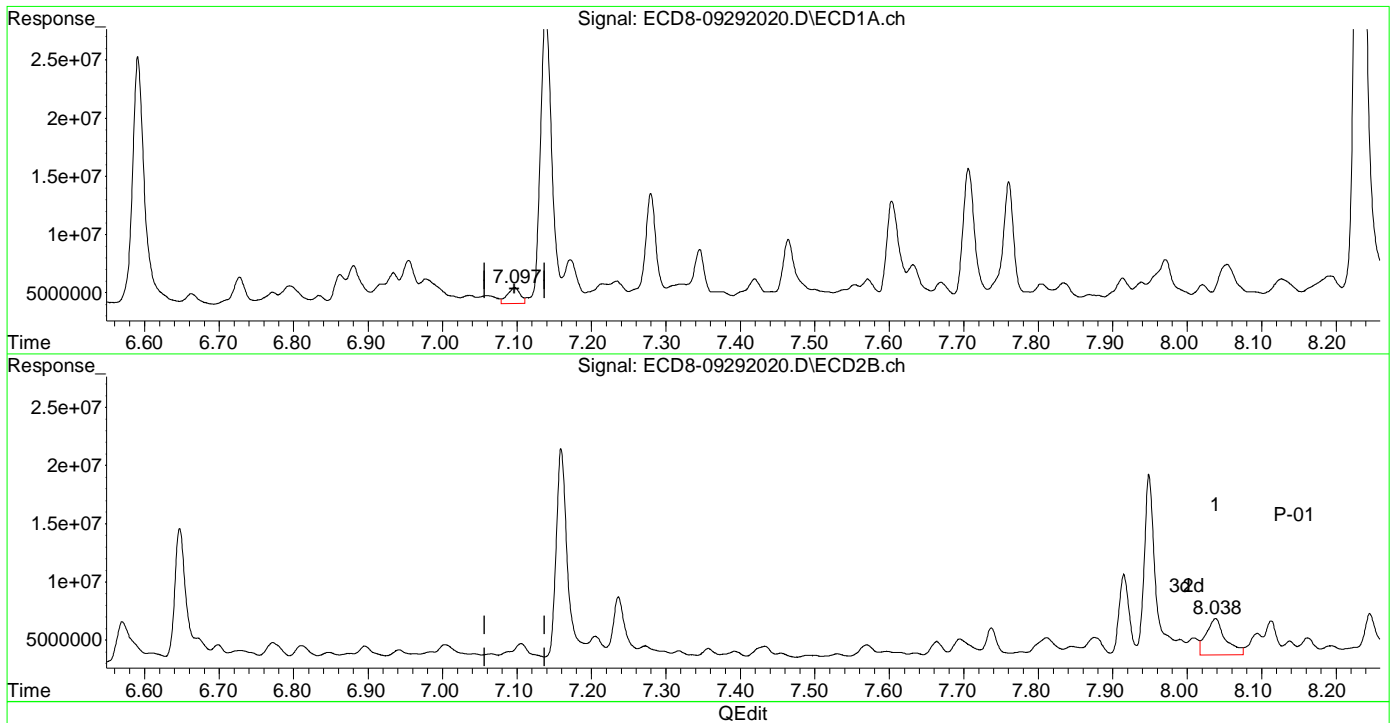
MJB 9/29/20

(17) 4,4'-DDT #2
8.892min 0.934 ng/mL
response 2445254

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:44
Operator : MJB
Sample : A0I0556-37RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.097min 0.354 ng/mL
response 1363384

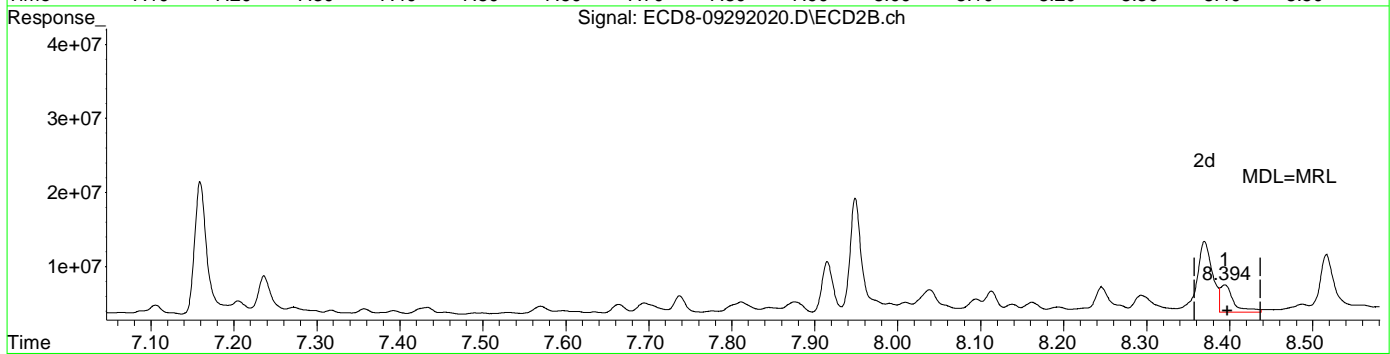
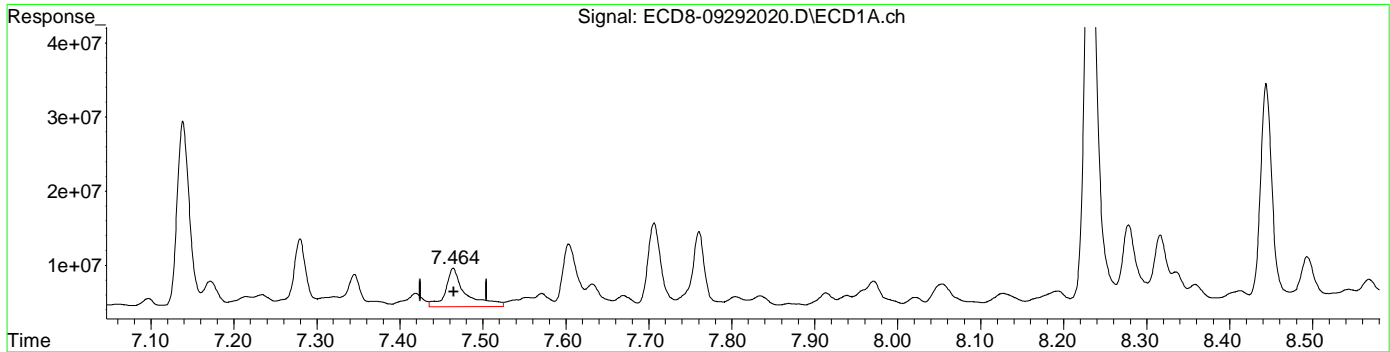
MJB 9/29/20

(26) 2,4'-DDE #2
8.038min 1.221 ng/mL
response 3142443

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:44
Operator : MJB
Sample : A0I0556-37RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

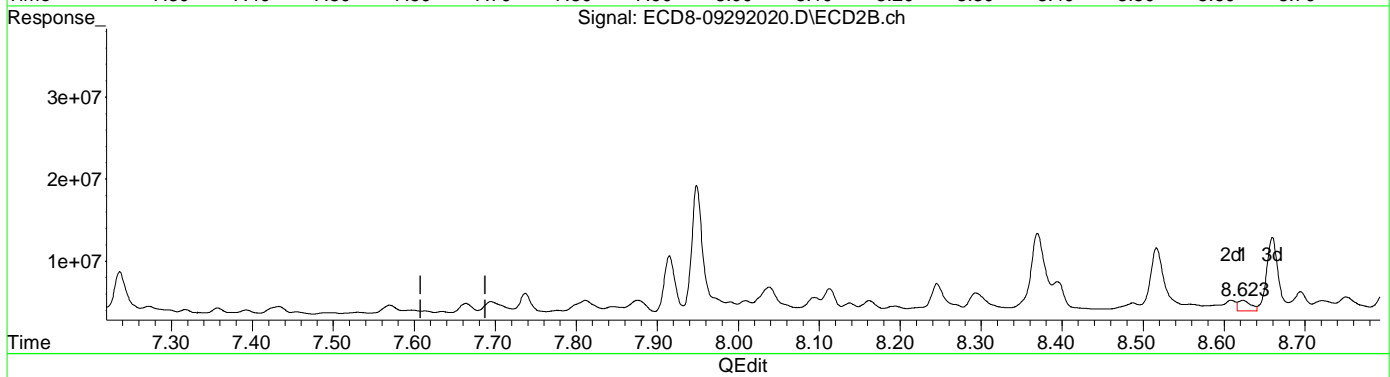
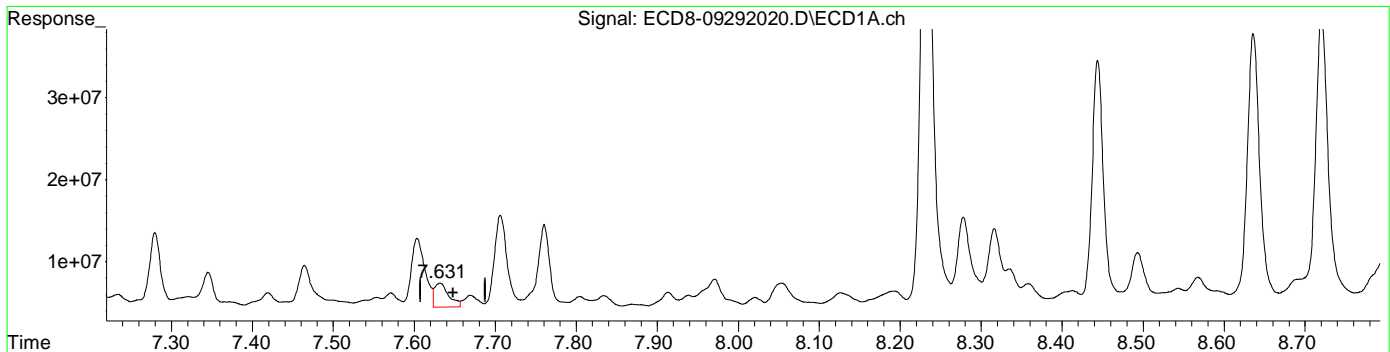
(28) 2,4'-DDD	
7.464min 2.139 ng/mL	
response 5211758	
(28) 2,4'-DDD #2	
8.394min 1.659 ng/mL	
response 3638890	

MJB 9/29/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:44
Operator : MJB
Sample : A0I0556-37RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.632min 1.088 ng/mL
response 2944068

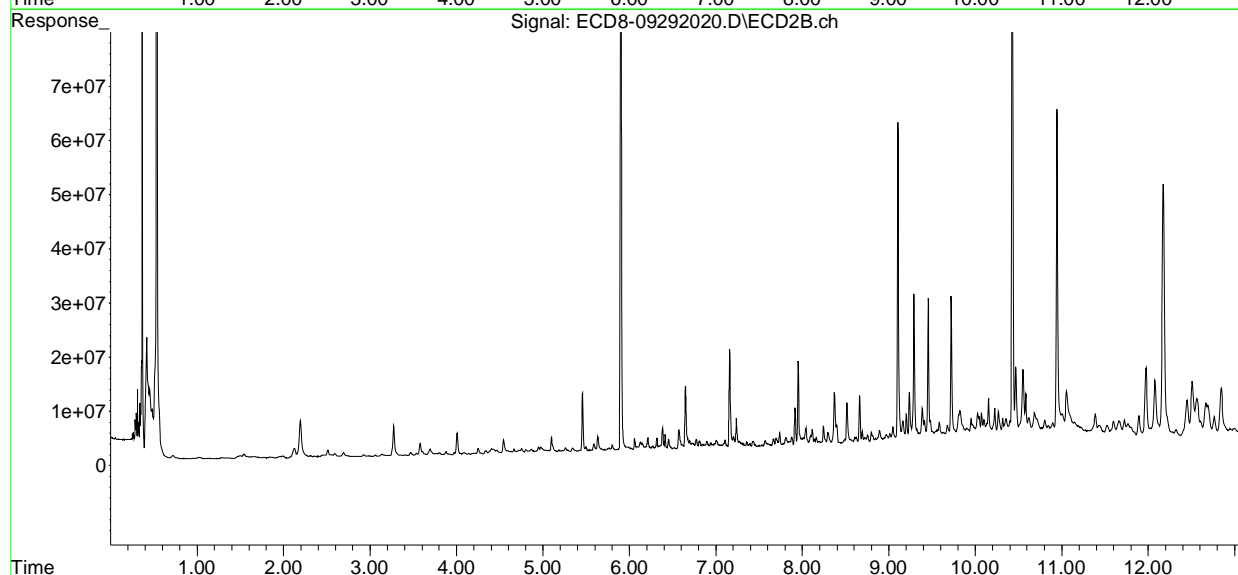
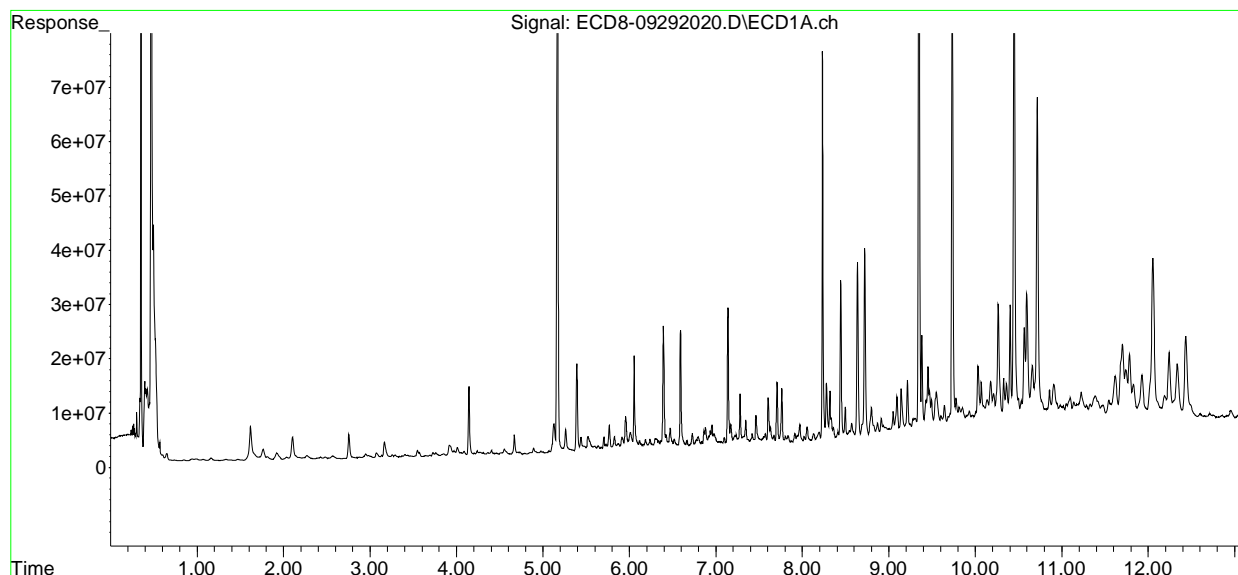
MJB 9/29/20

(29) 2,4'-DDT #2
8.623min 0.436 ng/mL
response 1281535

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 16:44
Operator : MJB
Sample : A0I0556-37RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:01
 Operator : MJB
 Sample : A0I0556-33RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:21:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.168	5.903	108.3E6	104.6E6	29.024	29.796
22)	S DCBP (S)	9.346	10.430	120.2E6	100.0E6	39.440	46.560
Target Compounds							
2)	a-BHC	5.706	6.525	2183654	606037	0.443	0.178 #
3)	g-BHC	5.955f	6.811	3167311	4219856	0.716	1.089 #
4)	b-BHC	6.056	6.896	7449049	1468734	3.752	0.779 #
5)	Heptachlor	6.395	7.207	2432029	1715584	0.574	0.416 #
6)	d-BHC	6.185	7.161f	3218530	1265440	0.780	0.366 #
7)	Aldrin	6.661f	7.456	1053627	559418	0.241	0.144 #
8)	Heptachlo...	7.070	7.873	1260648	3919109	0.311	1.071 #
9)	trans-Chl...	7.171	8.037	1066923	2034279	0.258	0.549 #
10)	cis-Chlor...	7.284	8.137	2322511	791819	0.566	0.223 #
11)	Endosulfa...	7.376	8.163f	496169	2225261	0.132	0.672 #
12)	4,4'-DDE	7.344	8.246	4714926	5128135	1.153	1.509 #
13)	Dieldrin	7.553	8.394	1800525	3675609	0.426	0.999 #
14)	Endrin	7.705	8.623	12965921	1497754	4.288	0.586 #
15)	4,4'-DDD	7.760	8.659	12473766	11076954	3.735	3.859
16)	Endosulfa...	7.871	8.751	659434	2254268	0.204	0.768 #
17)	4,4'-DDT	7.972	8.893	3864827	3122080	1.251	1.197 MDL=MRL
18)	Endrin Al...	8.156	9.010	1557133	2619180	0.473	0.920 #
19)	Endosulfa...	8.443	9.203	26288842	5684873	9.077	2.335 #
20)	Methoxychlor	8.312	9.388f	11543261	7375427	7.617	4.974 #
21)	Endrin Ke...	8.637	9.581	33704813	4613282	14.582	2.699 #
23)	Hexachlor...	2.952	3.607	881663	793175	0.023	BelowCal #
24)	Hexachlor...	5.544	6.383	1812230	3830234	0.281	0.935 #
25)	Oxychlorane	7.036f	7.812	1155848	4283150	0.154	1.253 #
26)	2,4'-DDE	7.097	8.037	1333369	2034279	0.342	0.718 #
27)	trans-Non...	7.254	8.096	611671	1521417	BelowCal	0.225
28)	2,4'-DDD	7.463	8.394	4828731	3675609	1.967	1.678 MDL=MRL
29)	2,4'-DDT	7.631	8.623	3287818	1497754	1.236	0.543 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:01
 Operator : MJB
 Sample : A0I0556-33RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:21:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

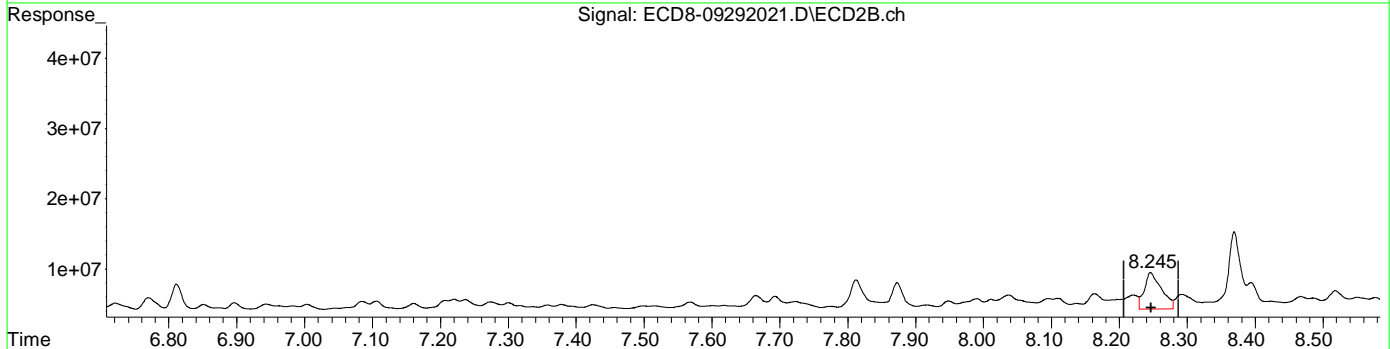
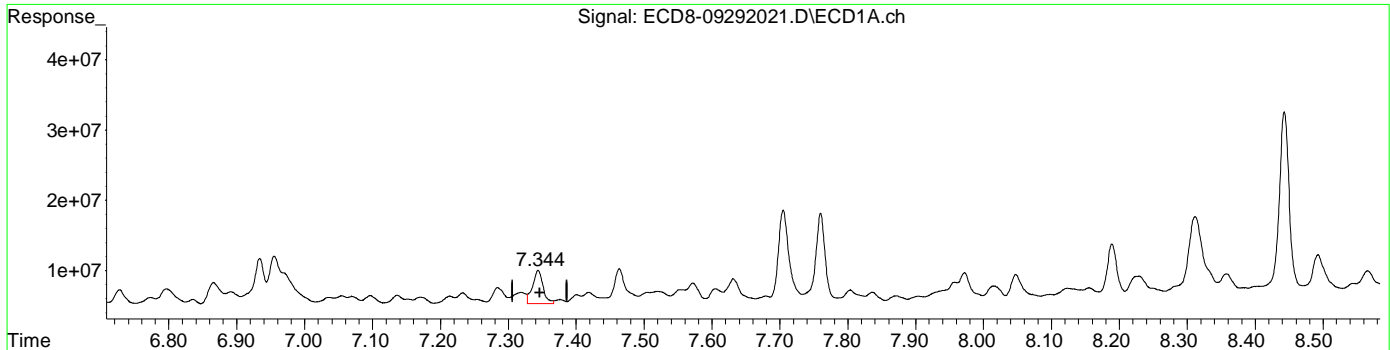
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.760f	8.659	12473766	11076954	2.889	2.966
31)	Mirex	8.385	9.581	1362868	4613282	0.235	1.777 #
32)	Chlordane...	7.419	8.220	1506402	1949019	3.330	4.411 #
33)	Chlordane...	7.520	8.369f	1536700	10872784	2.793	29.210 #
34)	Chlordane...	8.048f	9.010	3483854	2619180	24.020	14.842 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.319	8.423	1576897	1022156	91.670	33.805 #
37)	Toxaphene...	7.605	8.751	1904547	2254268	55.549	57.365
38)	Toxaphene...	7.904	8.797	595019	3832067	7.897	60.599 #
39)	Toxaphene...	8.156	8.869	1557133	1430076	18.395	8.574 #
40)	Toxaphene...	8.385	9.053	1362868	1830741	24.402	32.245 #
41)	Toxaphene...	8.443	9.404f	26288842	9241189	341.961	142.726 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:01
Operator : MJB
Sample : A0I0556-33RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:21:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



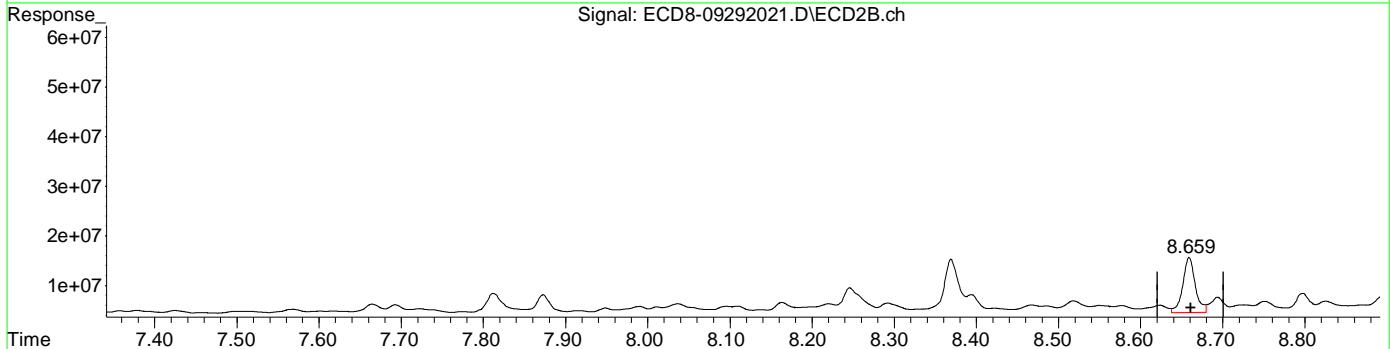
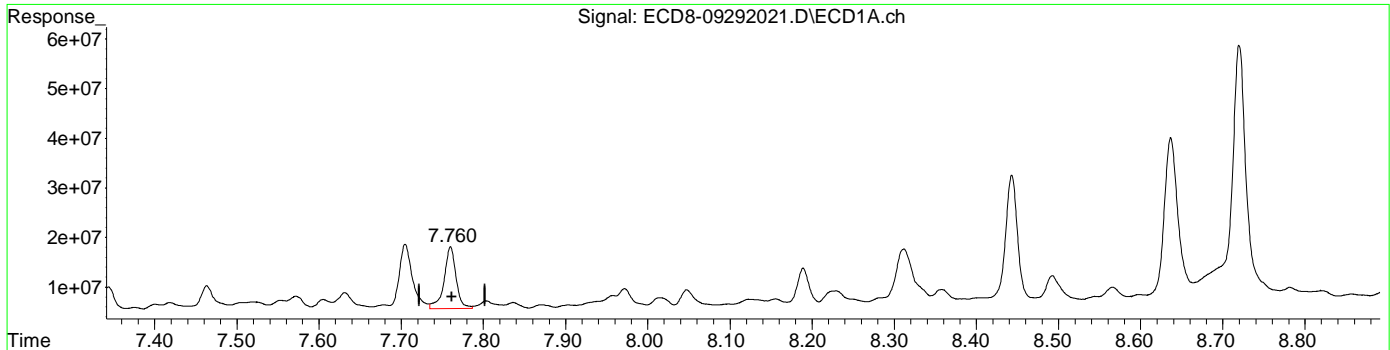
QEdit

(12) 4,4'-DDE	MJB 9/29/20
7.344min 1.153 ng/mL	
response 4714926	
 (12) 4,4'-DDE #2	
8.246min 1.509 ng/mL	
response 5128135	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:01
Operator : MJB
Sample : A0I0556-33RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:21:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.760min 3.735 ng/mL
response 12473766

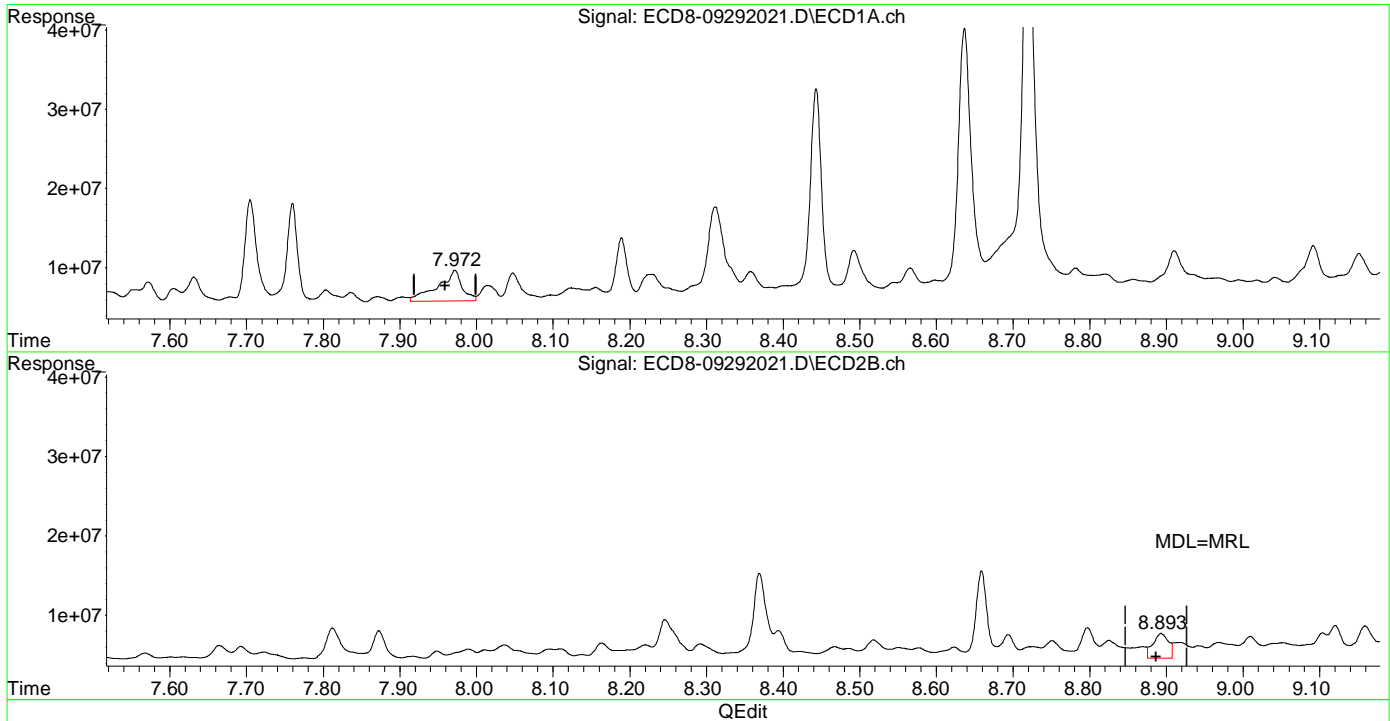
MJB 9/29/20

(15) 4,4'-DDD #2
8.659min 3.859 ng/mL
response 11076954

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:01
Operator : MJB
Sample : A0I0556-33RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:21:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.972min 1.251 ng/mL
response 3864827

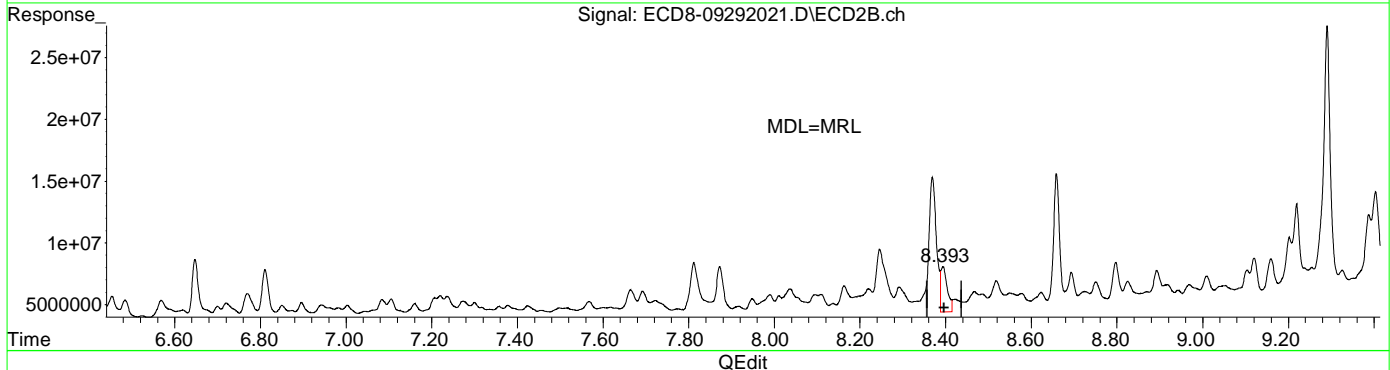
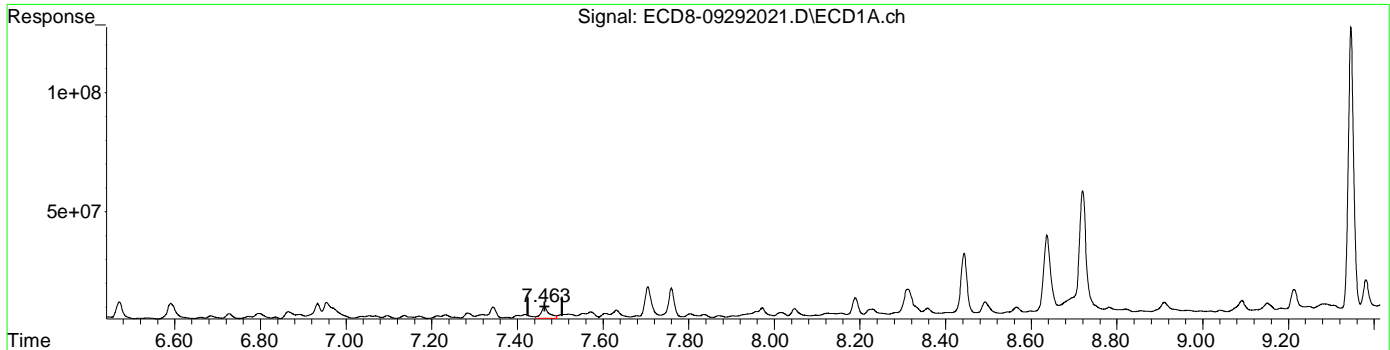
MJB 9/29/20

(17) 4,4'-DDT #2
8.893min 1.197 ng/mL
response 3122080

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:01
Operator : MJB
Sample : A0I0556-33RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:21:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.463min 1.967 ng/mL
response 4828731

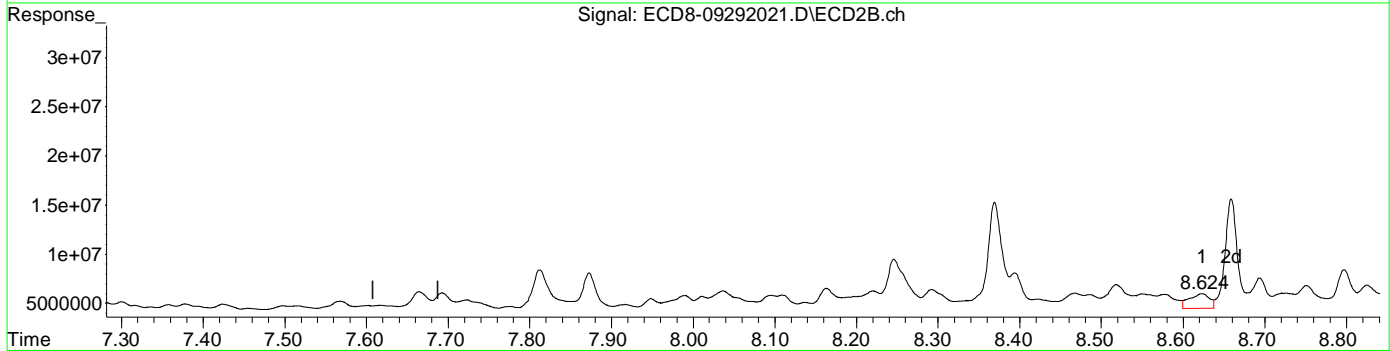
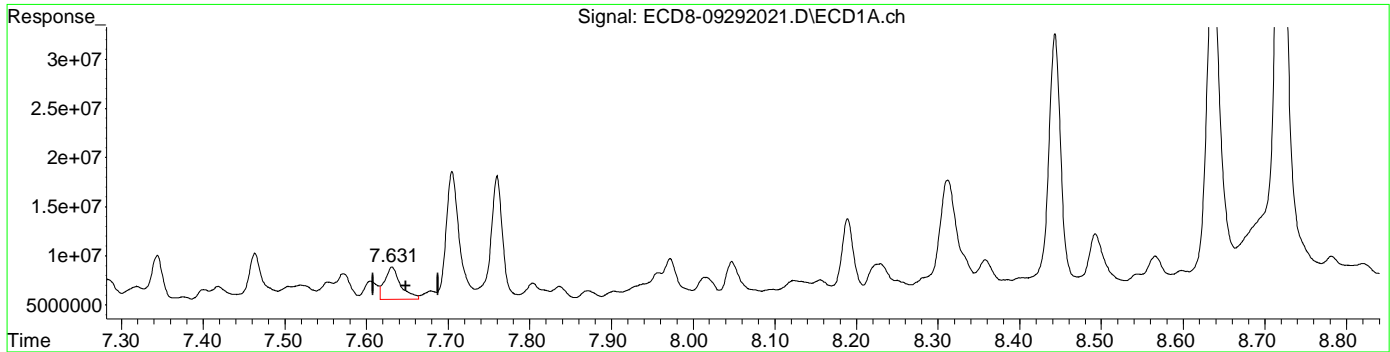
MJB 9/29/20

(28) 2,4'-DDD #2
8.394min 1.678 ng/mL
response 3675609

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:01
Operator : MJB
Sample : A0I0556-33RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:21:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(29) 2,4'-DDT
7.631min 1.236 ng/mL
response 3287818

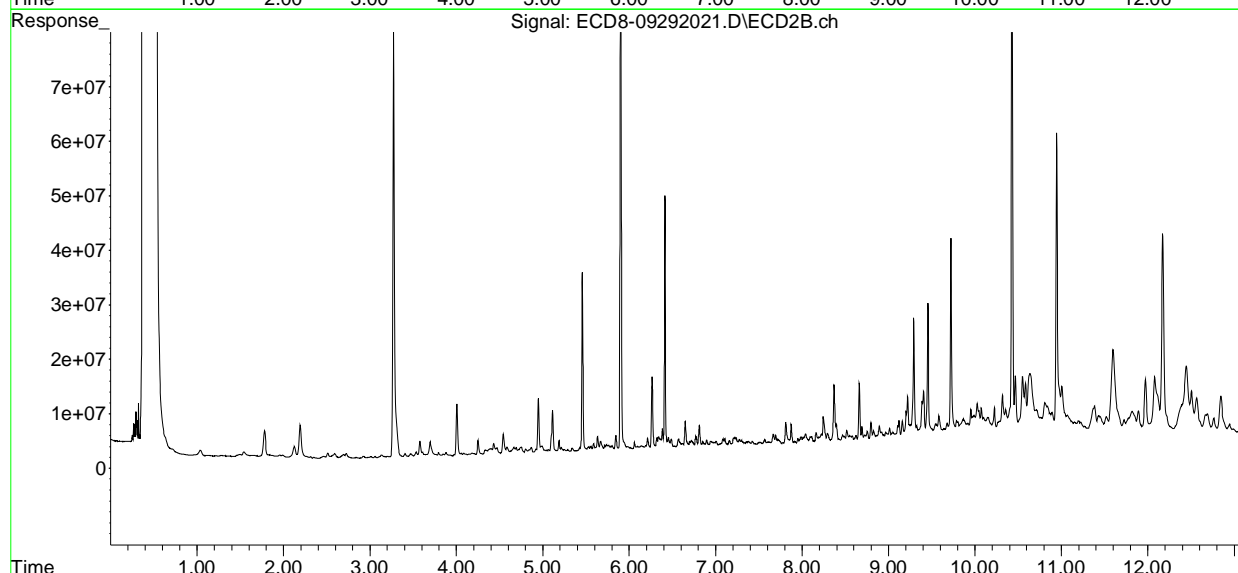
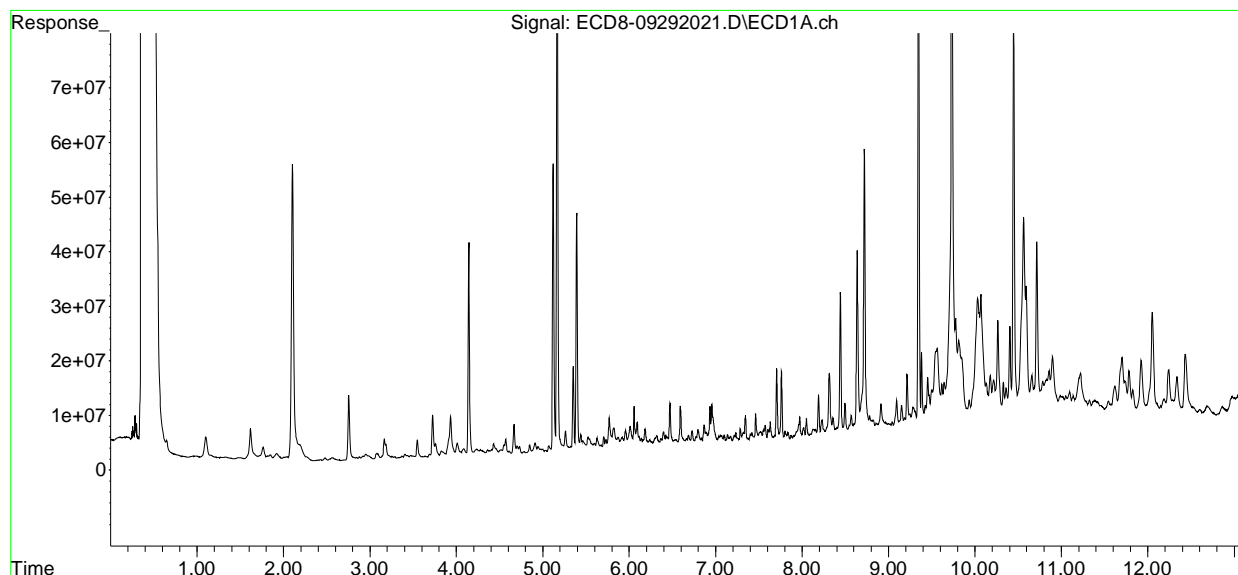
MJB 9/29/20

(29) 2,4'-DDT #2
8.623min 0.543 ng/mL
response 1497754

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:01
Operator : MJB
Sample : A0I0556-33RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:21:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:17
 Operator : MJB
 Sample : A0I0556-32RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:43:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.167	5.902	122.2E6	124.6E6	32.751	35.509
22)	S DCBP (S)	9.347	10.429	127.2E6	105.6E6	41.736	49.040
Target Compounds							
2)	a-BHC	5.706	6.524	3923400	1693743	0.797	0.424 #
3)	g-BHC	5.954f	6.849f	6605946	3395050	1.493	0.876 #
4)	b-BHC	6.055	6.895	19770101	5172304	9.958	2.744 #
5)	Heptachlor	6.395	7.205	14951034	6160560	3.531	1.580 #
6)	d-BHC	6.184	7.159f	6127282	4670242	1.485	1.261
7)	Aldrin	6.635	7.462	8106842	1940606	1.858	0.522 #
8)	Heptachlo...	7.098	7.876	3742866	4262970	0.924	1.164 #
9)	trans-Chl...	7.170	8.038	6056250	6419826	1.464	1.733
10)	cis-Chlor...	7.283	8.161f	5658127	3588145	1.380	1.011 #
11)	Endosulfa...	7.376	8.187	2422720	2075242	0.642	0.627
12)	4,4'-DDE	7.344	8.247	8566629	8315850	2.095	R-02 2.431 P-01
13)	Dieldrin	7.554	8.369	3913879	39733795	0.925	10.804 #
14)	Endrin	7.704	8.624	46000514	2843095	15.214	1.142 #
15)	4,4'-DDD	7.760	8.660	21935813	18841798	6.568	6.529
16)	Endosulfa...	7.836	8.749	2494701	3057655	0.771	1.042 #
17)	4,4'-DDT	7.972	8.893	7075277	4649994	2.290	1.788 MDL=MRL
18)	Endrin Al...	8.158	9.010	2589963	4150917	0.787	1.458 #
19)	Endosulfa...	8.444	9.202	47297047	10243943	16.330	4.232 #
20)	Methoxychlor	8.316	9.348	17011120	3438847	11.225	2.319 #
21)	Endrin Ke...	8.637	9.582	35646199	6716455	15.421	3.968 #
23)	Hexachlor...	2.951	3.636f	1219074	708176	0.120	BelowCal #
24)	Hexachlor...	5.543	6.384	4553628	5191616	1.055	1.349 #
25)	Oxychlorane	0.000	7.811	0	9276714	N.D.	2.985 #
26)	2,4'-DDE	7.098	8.038	3742866	6419826	1.285	MDL=MRL 2.703 # P-01
27)	trans-Non...	7.255	8.093	2646975	3935844	0.472	0.986 #
28)	2,4'-DDD	7.463	8.394	8102950	6075522	3.433	2.907m R-02
29)	2,4'-DDT	7.631	8.624	5969423	2843095	2.393	1.210 # MDL=MRL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:17
 Operator : MJB
 Sample : A0I0556-32RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:43:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

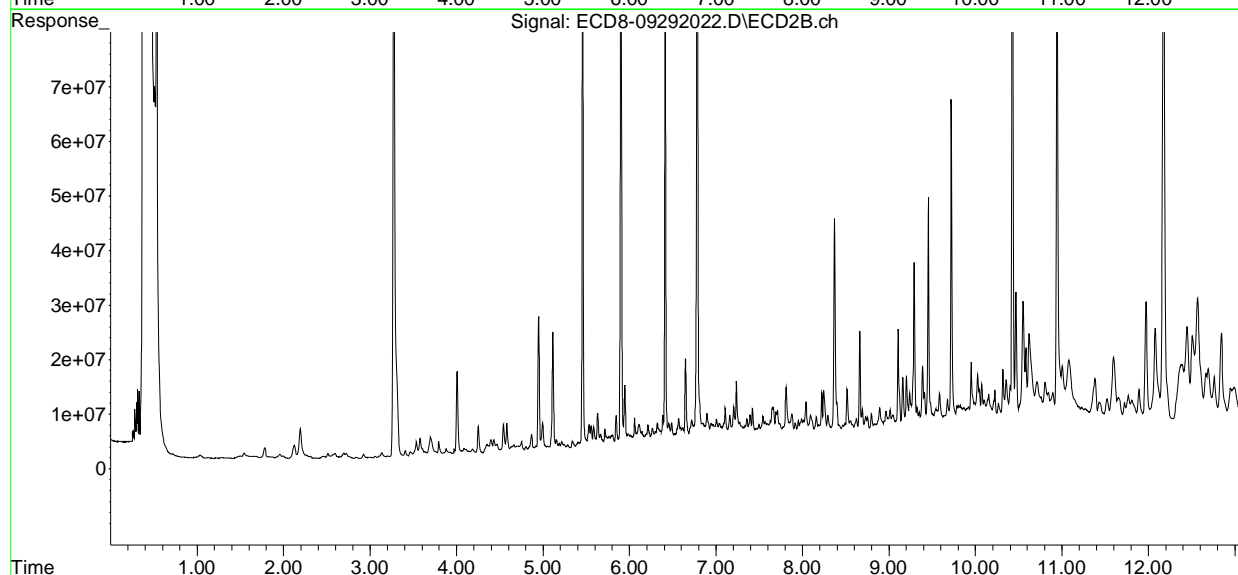
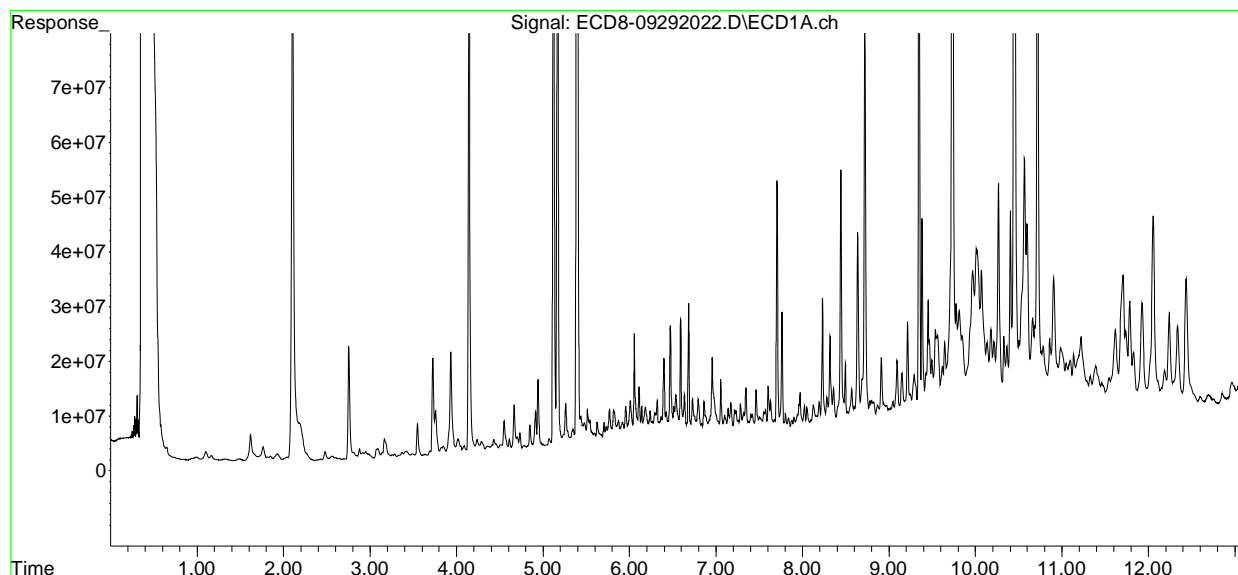
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.760f	8.660	21935813	18841798	5.217	5.158
31)	Mirex	8.358f	9.582	7385163	6716455	2.539	2.773
32)	Chlordane...	7.420	8.220	3648569	7978374	8.065	18.058 #
33)	Chlordane...	7.502f	8.369f	3068648	39733795	5.577	106.746 #
34)	Chlordane...	8.048f	9.010	4253945	4150917	29.330	29.237
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.318	0.000	3925645	0	228.209	N.D. #
37)	Toxaphene...	7.603	8.749f	8508658	3057655	259.389	77.809 #
38)	Toxaphene...	7.902	8.797	2509061	3589998	33.299	56.771 #
39)	Toxaphene...	8.158	8.893f	2589963	4649994	33.881	43.786 #
40)	Toxaphene...	8.358f	9.049	7385163	3197177	132.229	56.313 #
41)	Toxaphene...	8.444	9.410	47297047	7143831	615.233	110.333 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

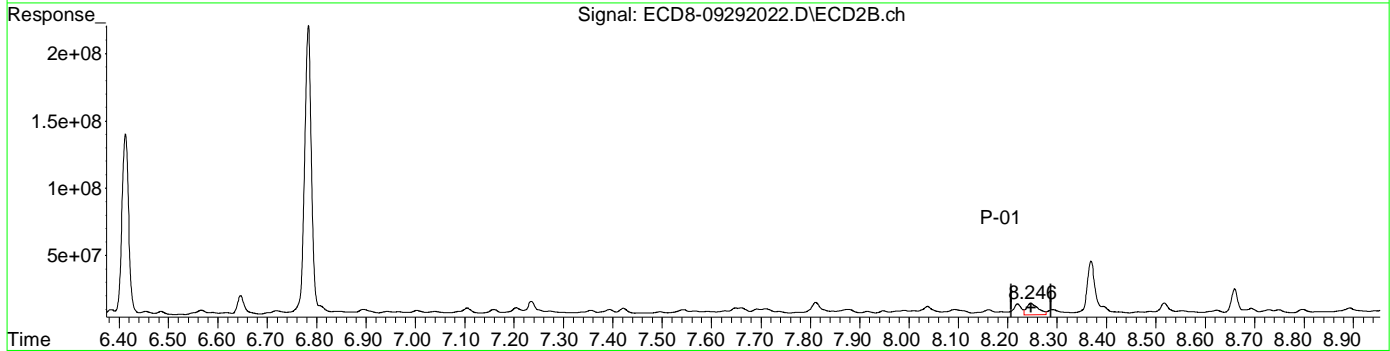
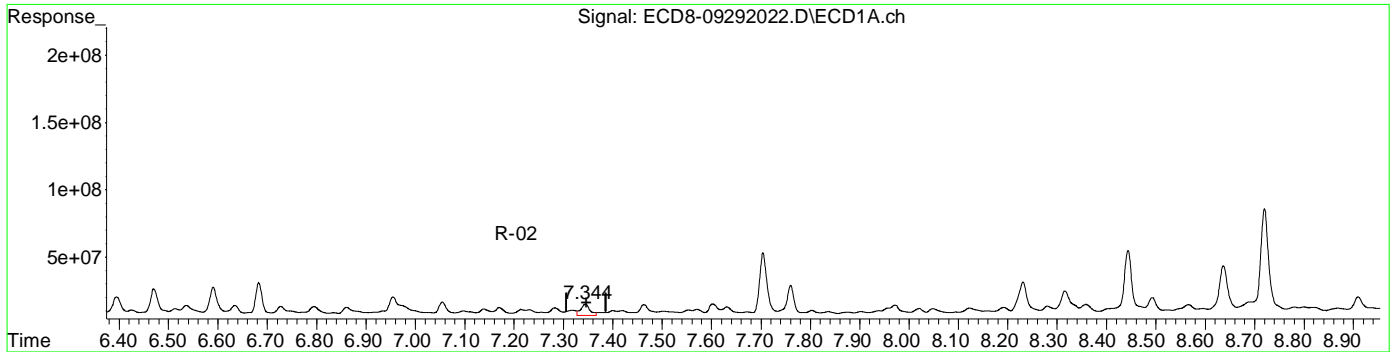
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.344min 2.095 ng/mL
response 8566629

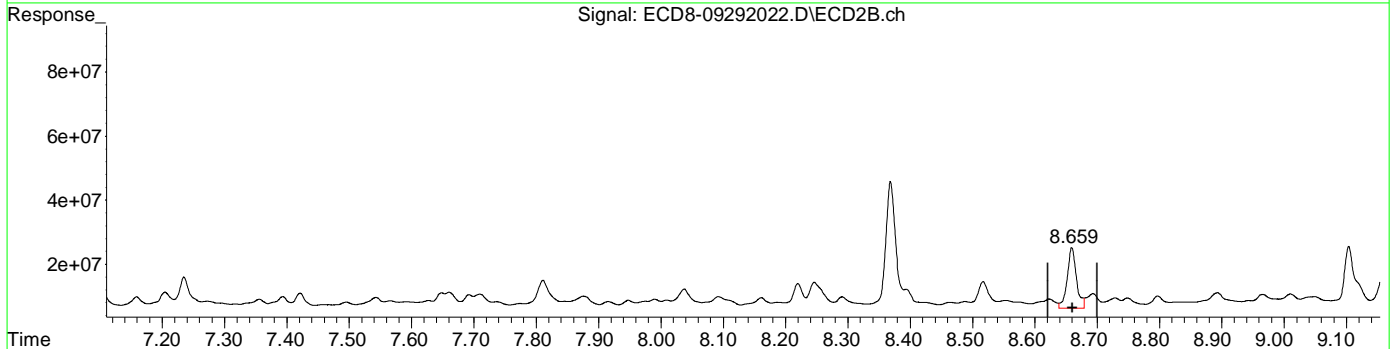
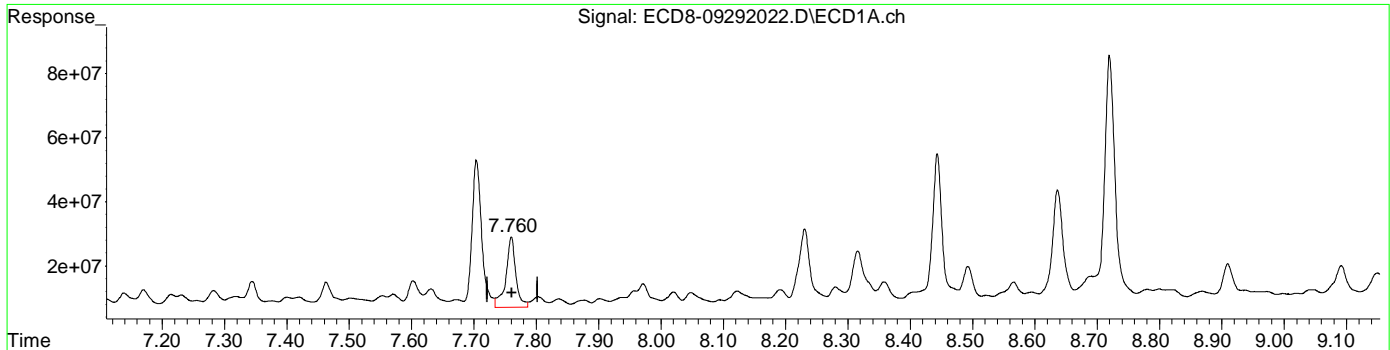
MJB 9/29/20

(12) 4,4'-DDE #2
8.247min 2.431 ng/mL
response 8315850

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



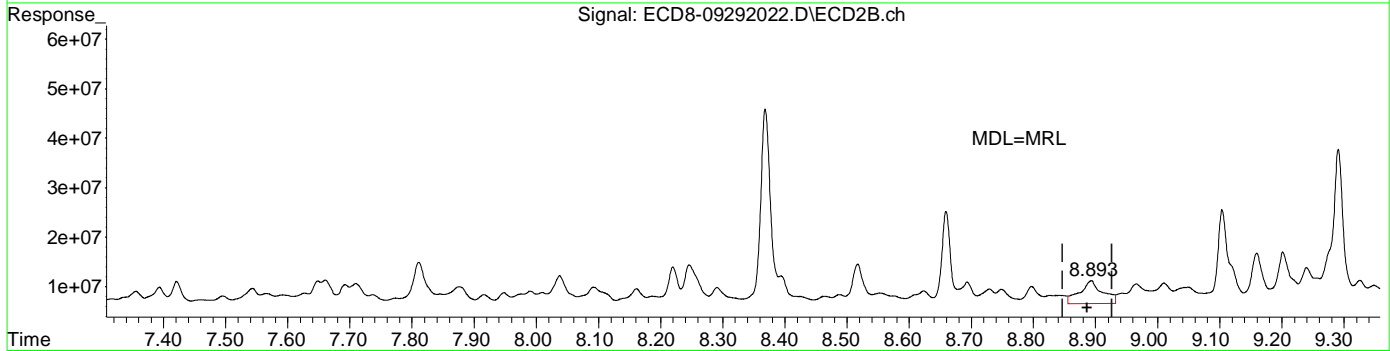
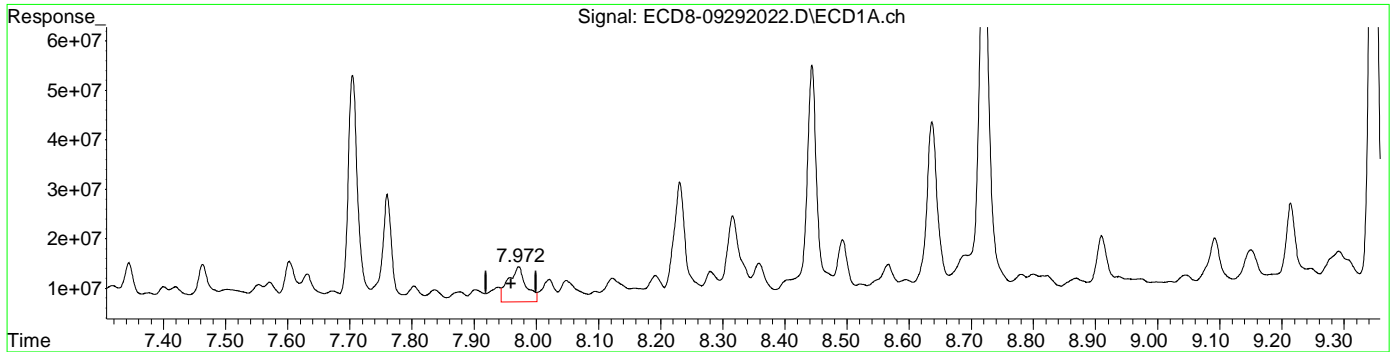
QEdit

(15) 4,4'-DDD	
7.760min 6.568 ng/mL	
response 21935813	
(15) 4,4'-DDD #2	
8.660min 6.529 ng/mL	MJB 9/29/20
response 18841798	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(17) 4,4'-DDT
7.972min 2.290 ng/mL
response 7075277

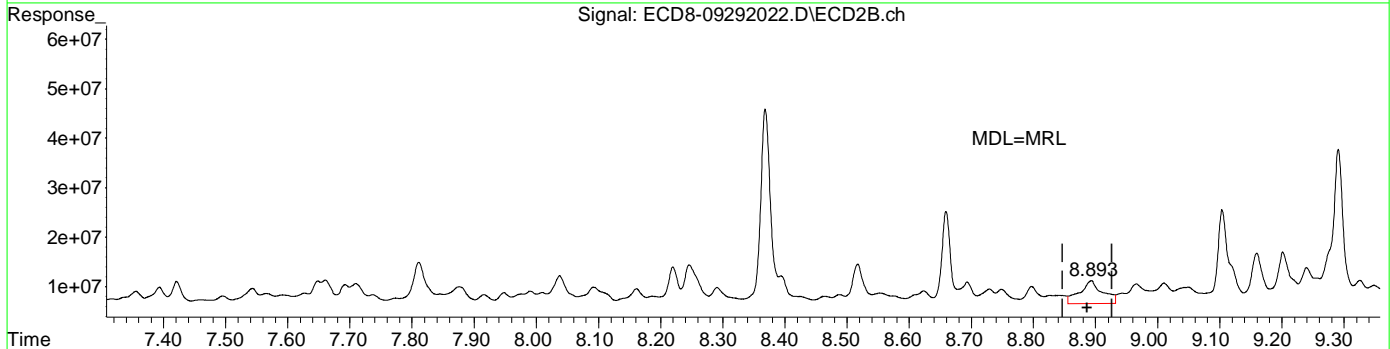
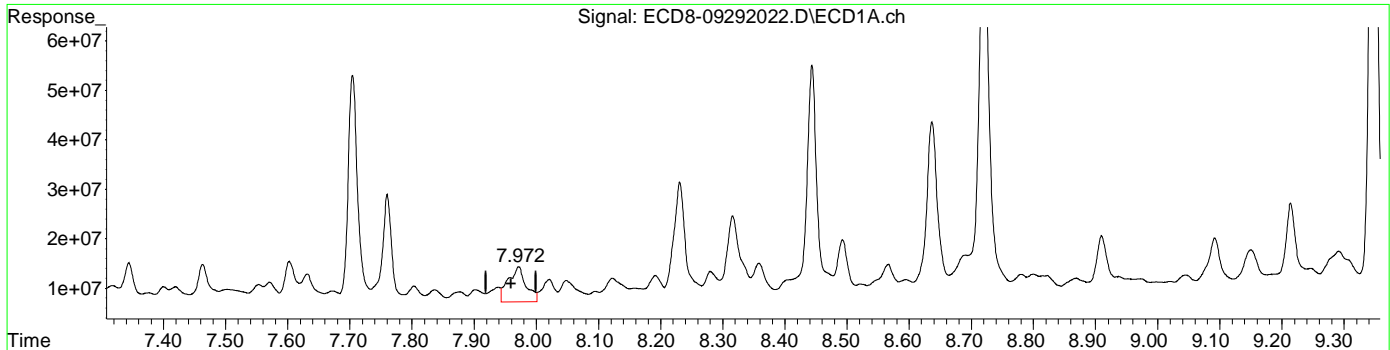
MJB 9/29/20

(17) 4,4'-DDT #2
8.893min 1.788 ng/mL
response 4649994

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



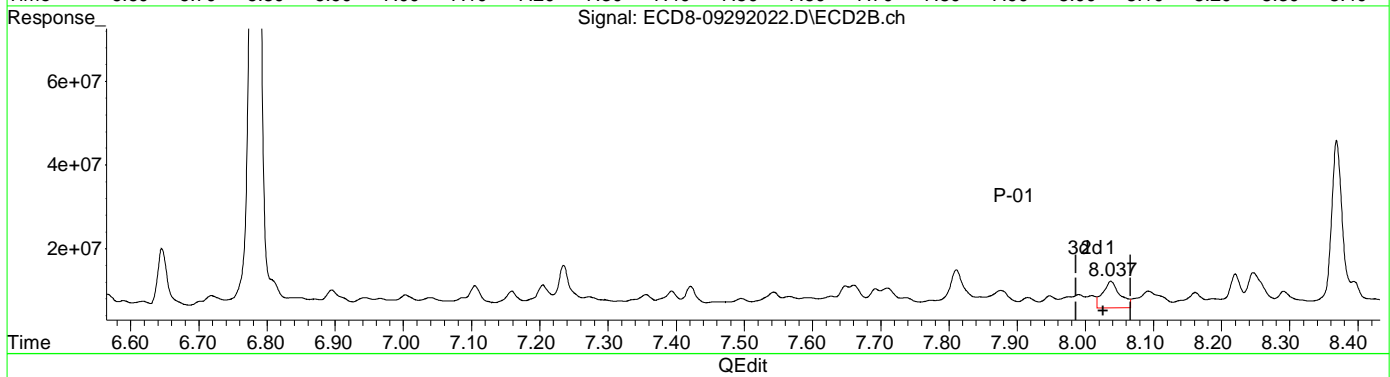
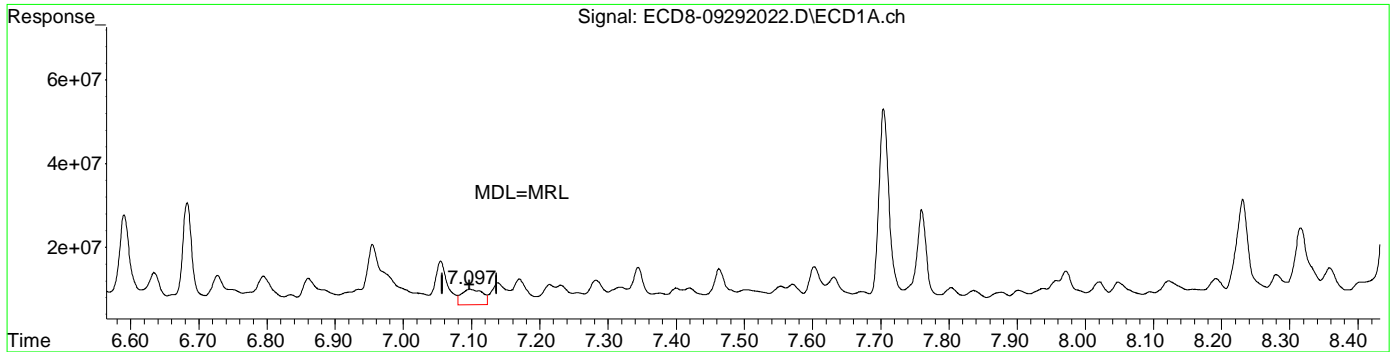
QEdit

(17) 4,4'-DDT	
7.972min 2.290 ng/mL	MJB 9/29/20
response 7075277	
(17) 4,4'-DDT #2	
8.893min 1.788 ng/mL	
response 4649994	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.098min 1.285 ng/mL
response 3742866

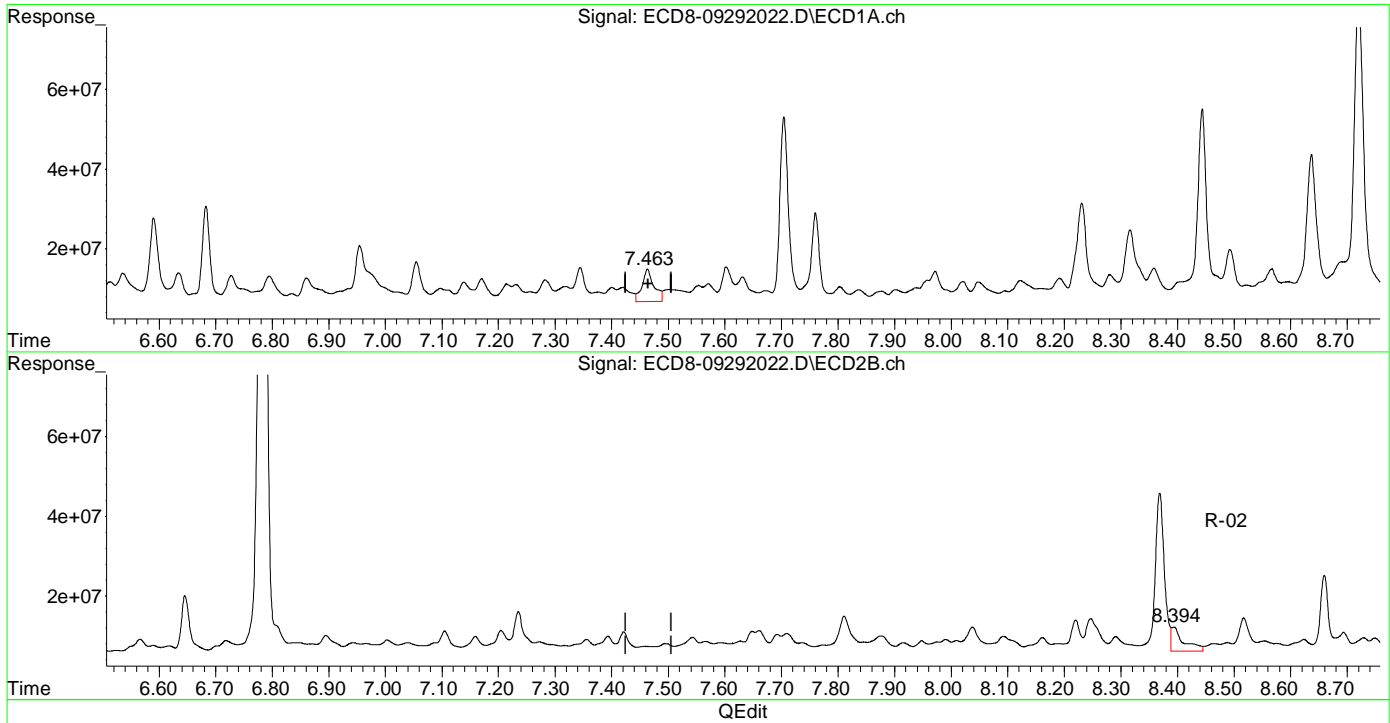
MJB 9/29/20

(26) 2,4'-DDE #2
8.038min 2.703 ng/mL
response 6419826

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.463min 3.433 ng/mL
response 8102950

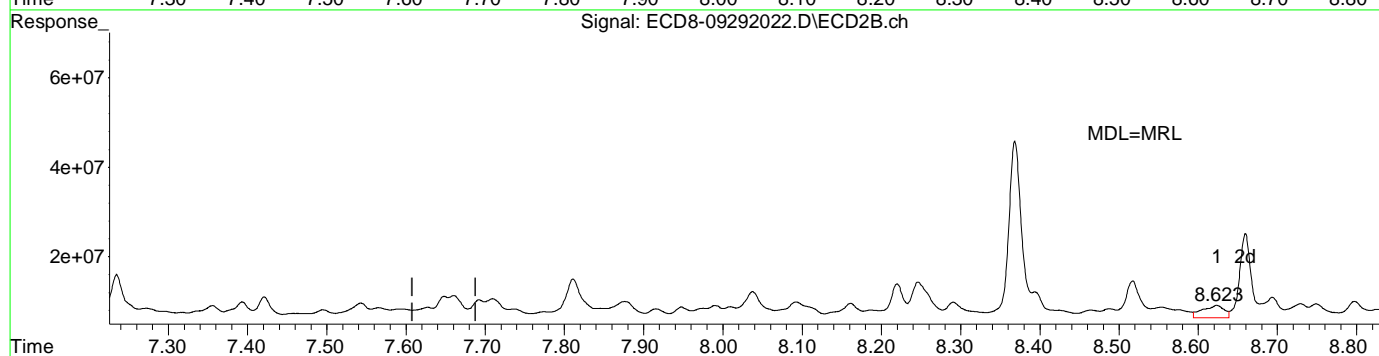
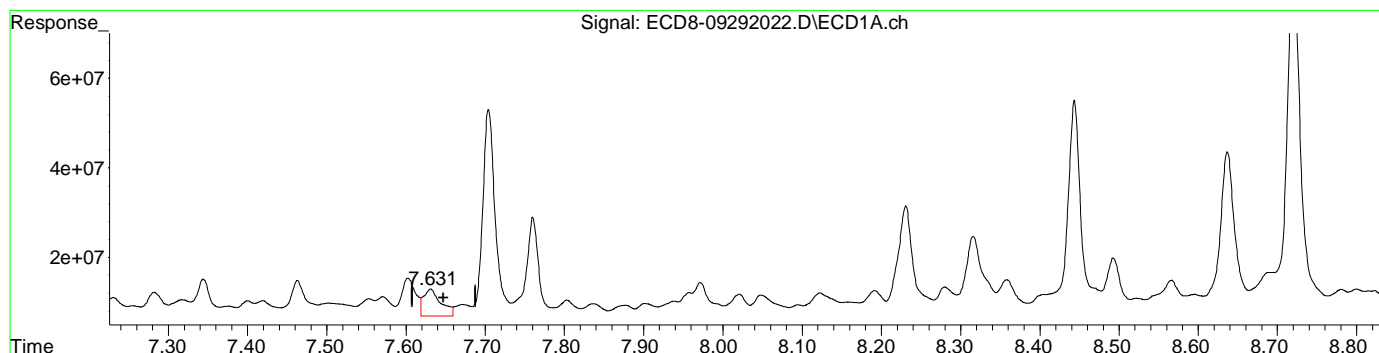
MJB 9/29/20

(28) 2,4'-DDD #2
8.394min 2.907 ng/mL m
response 6075522

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(29) 2,4'-DDT
7.631min 2.393 ng/mL
response 5969423

MJB 9/29/20

(29) 2,4'-DDT #2
8.624min 1.210 ng/mL
response 2843095

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:17
 Operator : MJB
 Sample : A0I0556-32RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:43:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.167	5.902	122.2E6	124.6E6	32.751	35.509
22) S DCBP (S)	9.347	10.429	127.2E6	105.6E6	41.736	49.040
Target Compounds						
2) a-BHC	5.706	6.524	3923400	1693743	0.797	0.424 #
3) g-BHC	5.954f	6.849f	6605946	3395050	1.493	0.876 #
4) b-BHC	6.055	6.895	19770101	5172304	9.958	2.744 #
5) Heptachlor	6.395	7.205	14951034	6160560	3.531	1.580 #
6) d-BHC	6.184	7.159f	6127282	4670242	1.485	1.261
7) Aldrin	6.635	7.462	8106842	1940606	1.858	0.522 #
8) Heptachlo...	7.098	7.876	3742866	4262970	0.924	1.164 #
9) trans-Chl...	7.170	8.038	6056250	6419826	1.464	1.733
10) cis-Chlor...	7.283	8.161f	5658127	3588145	1.380	1.011 #
11) Endosulfa...	7.376	8.187	2422720	2075242	0.642	0.627
12) 4,4'-DDE	7.344	8.247	8566629	8315850	2.095	2.431
13) Dieldrin	7.554	8.369	3913879	39733795	0.925	10.804 #
14) Endrin	7.704	8.624	46000514	2843095	15.214	1.142 #
15) 4,4'-DDD	7.760	8.660	21935813	18841798	6.568	6.529
16) Endosulfa...	7.836	8.749	2494701	3057655	0.771	1.042 #
17) 4,4'-DDT	7.972	8.893	7075277	4649994	2.290	1.788
18) Endrin Al...	8.158	9.010	2589963	4150917	0.787	1.458 #
19) Endosulfa...	8.444	9.202	47297047	10243943	16.330	4.232 #
20) Methoxychlor	8.316	9.348	17011120	3438847	11.225	2.319 #
21) Endrin Ke...	8.637	9.582	35646199	6716455	15.421	3.968 #
23) Hexachlor...	2.951	3.636f	1219074	708176	0.120	BelowCal #
24) Hexachlor...	5.543	6.384	4553628	5191616	1.055	1.349 #
25) Oxychlorane	0.000	7.811	0	9276714	N.D.	2.985 #
26) 2,4'-DDE	7.098	8.038	3742866	6419826	1.285	2.703 #
27) trans-Non...	7.255	8.093	2646975	3935844	0.472	0.986 #
28) 2,4'-DDD	7.463	8.369f	8102950	39733795	3.433	19.741 #
29) 2,4'-DDT	7.631	8.624	5969423	2843095	2.393	1.210 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:17
 Operator : MJB
 Sample : A0I0556-32RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 17:43:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

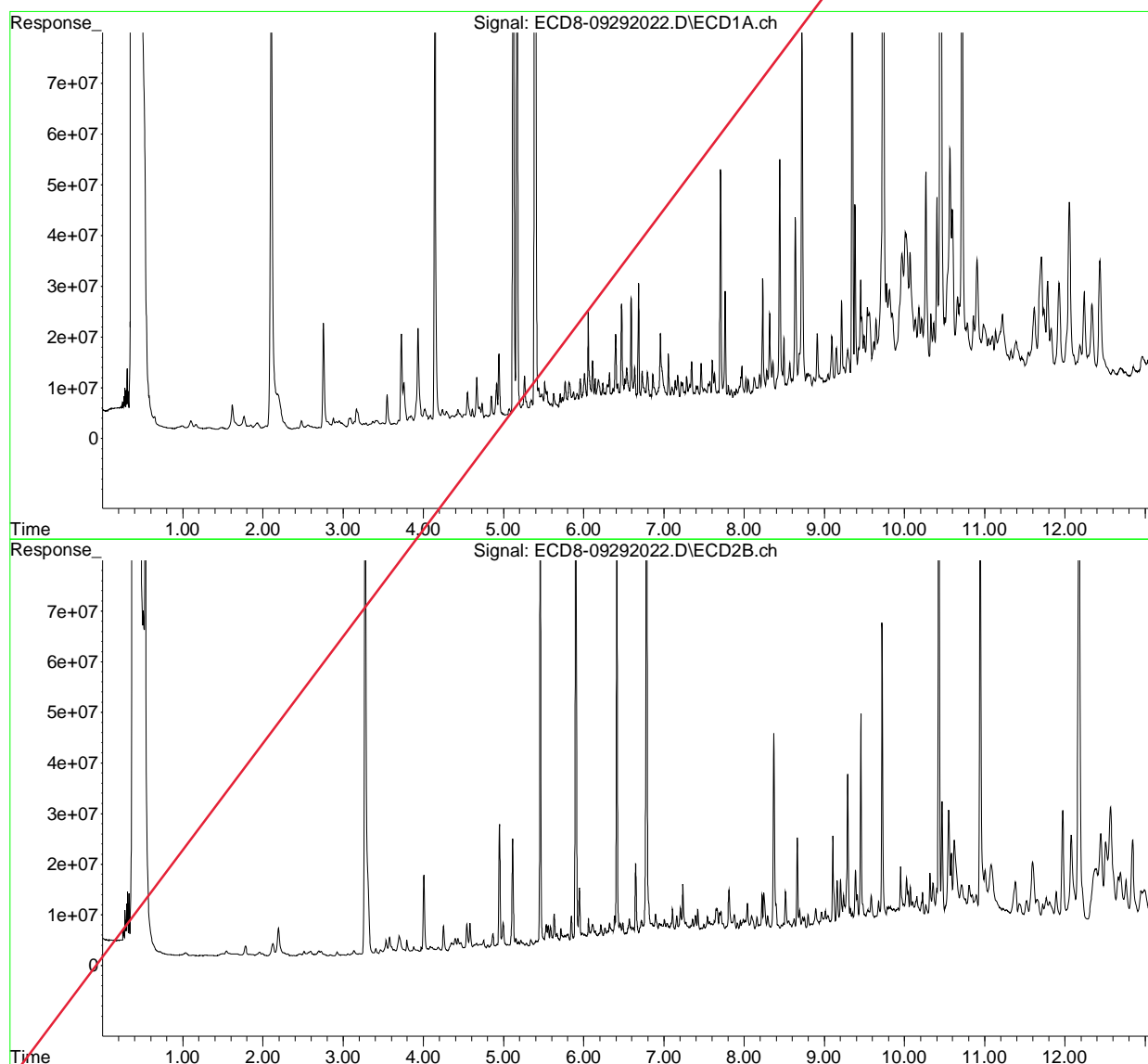
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.760f	8.660	21935813	18841798	5.217	5.158
31)	Mirex	8.358f	9.582	7385163	6716455	2.539	2.773
32)	Chlordane...	7.420	8.220	3648569	7978374	8.065	18.058 #
33)	Chlordane...	7.502f	8.369f	3068648	39733795	5.577	106.746 #
34)	Chlordane...	8.048f	9.010	4253945	4150917	29.330	29.237
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.318	0.000	3925645	0	228.209	N.D. #
37)	Toxaphene...	7.603	8.749f	8508658	3057655	259.389	77.809 #
38)	Toxaphene...	7.902	8.797	2509061	3589998	33.299	56.771 #
39)	Toxaphene...	8.158	8.893f	2589963	4649994	33.881	43.786 #
40)	Toxaphene...	8.358f	9.049	7385163	3197177	132.229	56.313 #
41)	Toxaphene...	8.444	9.410	47297047	7143831	615.233	110.333 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:17
Operator : MJB
Sample : A0I0556-32RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 17:43:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
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QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:34
 Operator : MJB
 Sample : A0I0556-34RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 18:12:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.168	5.903	118.5E6	119.9E6	31.757	34.159
22)	S DCBP (S)	9.347	10.430	128.8E6	120.4E6	42.279	55.652 #
Target Compounds							
2)	a-BHC	5.708	6.498	3688313	1465028	0.749	0.372 #
3)	g-BHC	5.955f	6.844f	5161755	2833189	1.167	0.731 #
4)	b-BHC	6.055	6.896	12525887	5485256	6.309	2.910 #
5)	Heptachlor	6.397	7.161f	11478388	3082445	2.711	0.775 #
6)	d-BHC	6.183	7.127	5206197	2327104	1.262	0.645 #
7)	Aldrin	6.636	7.455	7442078	2138707	1.705	0.576 #
8)	Heptachlo...	7.099	7.879	6713573	4761652	1.658	1.301
9)	trans-Chl...	7.171	8.037	6688911	7947545	1.617	2.145 #
10)	cis-Chlor...	7.286	8.140	9648891	2831236	2.353	0.798 #
11)	Endosulfa...	7.375	8.164f	4365657	6264214	1.157	1.891 #
12)	4,4'-DDE	7.345	8.254	12095994	14903423	2.959	R-02 4.328 # P-01
13)	Dieldrin	7.526	8.397	6347565	20978518	1.501	5.704 #
14)	Endrin	7.708	8.625	44955326	4474470	14.868	1.815 #
15)	4,4'-DDD	7.762	8.660	77165067	75192311	23.104	25.234
16)	Endosulfa...	7.841	8.753	5270714	9485978	1.630	3.233 #
17)	4,4'-DDT	7.955	8.893	12516551	9096871	4.051	3.499 R-02
18)	Endrin Al...	8.130	9.010	9507799	8153638	2.887	2.864
19)	Endosulfa...	8.446	9.203	80553829	21358938	27.812	8.809 #
20)	Methoxychlor	8.282	9.351	9704190	6562764	6.403	4.426 #
21)	Endrin Ke...	8.637	9.586	38547958	20368307	16.677	12.041 # R-02
23)	Hexachlor...	2.951	3.610	1031557	991694	0.066	0.040 #
24)	Hexachlor...	5.546	6.365	6446312	2638254	1.588	0.573 #
25)	Oxychlorane	6.981f	7.813	9193022	14470271	2.506	4.779 #
26)	2,4'-DDE	7.099	8.037	6713573	7947545	2.447	R-02 3.392 # P-01
27)	trans-Non...	7.286	8.092	9648891	14639623	2.339	4.343 #
28)	2,4'-DDD	7.465	8.397	28137451	20978518	12.385	10.453
29)	2,4'-DDT	7.633	8.625	12237201	4474470	5.092	2.016 # R-02

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 17:34
 Operator : MJB
 Sample : A0I0556-34RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 18:12:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

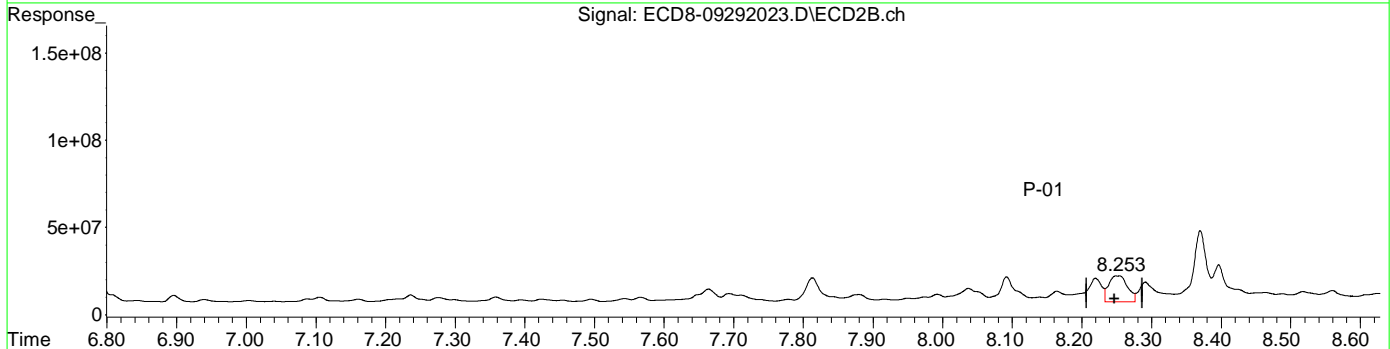
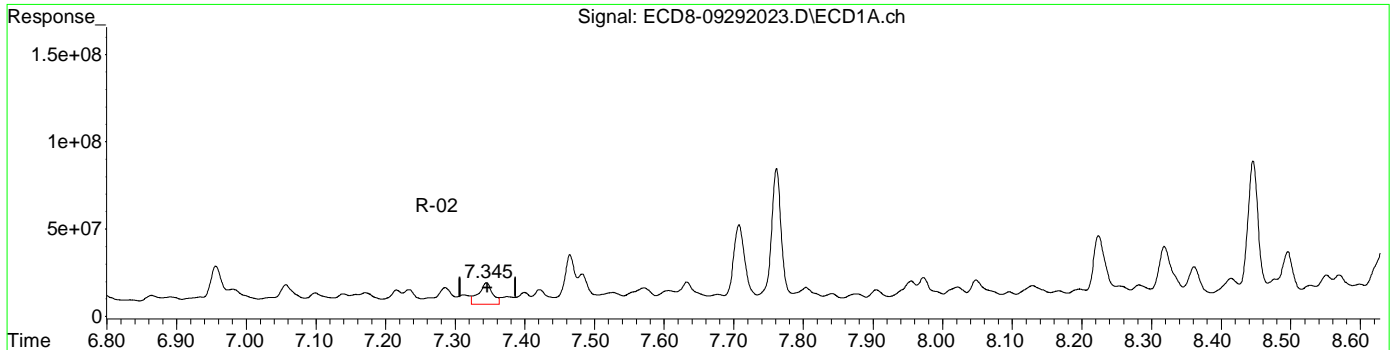
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.762f	8.660	77165067	75192311	18.778	20.741
31)	Mirex	8.414f	9.586	13282588	20368307	4.796	9.198 #
32)	Chlordane...	7.421	8.220	8146744	13550154	18.008	30.670 #
33)	Chlordane...	7.526	8.370f	6347565	40720595	11.537	109.397 #
34)	Chlordane...	8.048f	9.010	12983595	8153638	89.519	66.637 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.312	8.397f	5298291	20978518	308.005	693.801 #
37)	Toxaphene...	7.606	8.753	7268613	9485978	221.064	241.393
38)	Toxaphene...	7.905	8.797	7261600	10219115	96.373	161.601 #
39)	Toxaphene...	8.167	8.893f	6312561	9096871	89.528	91.957
40)	Toxaphene...	8.361	9.051	19956815	4769382	357.321	84.004 #
41)	Toxaphene...	8.446	9.412	80553829	14016018	1047.832	216.471 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:34
Operator : MJB
Sample : A0I0556-34RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:12:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.345min 2.959 ng/mL
response 12095994

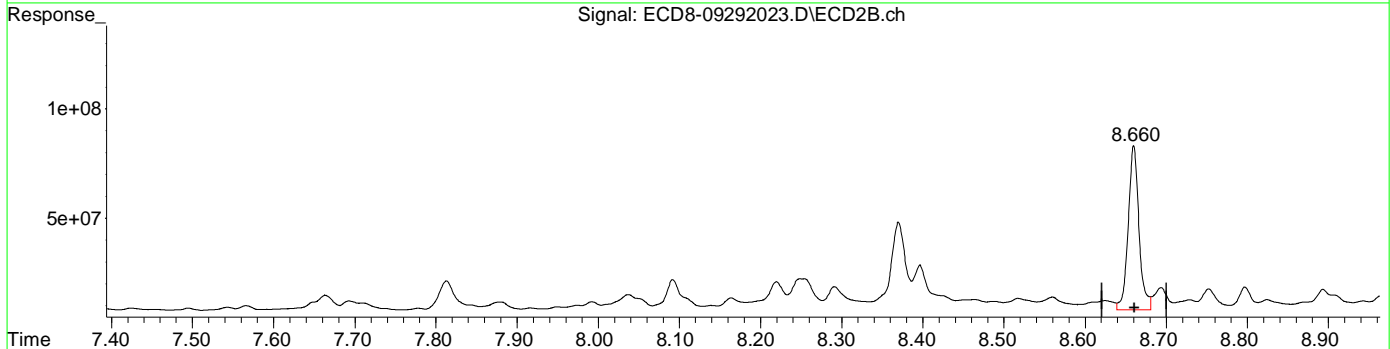
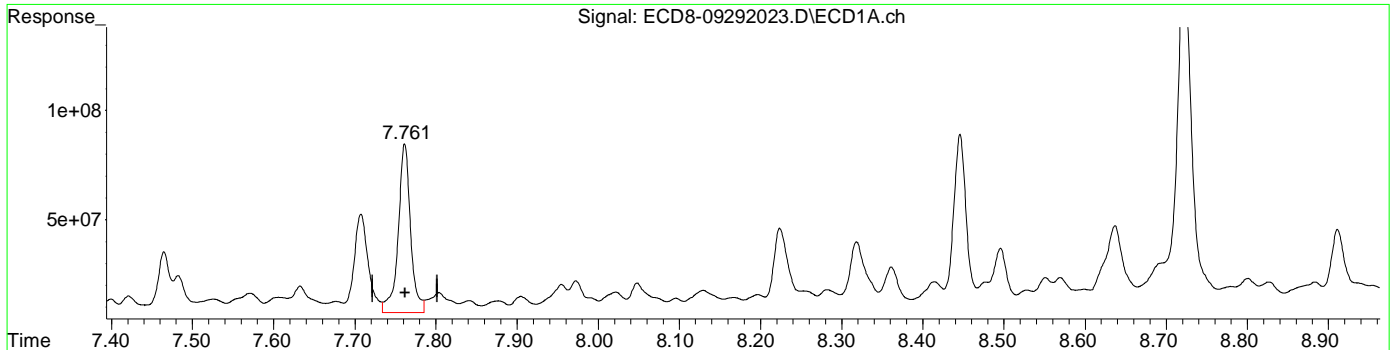
MJB 9/29/20

(12) 4,4'-DDE #2
8.254min 4.328 ng/mL
response 14903423

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:34
Operator : MJB
Sample : A0I0556-34RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:12:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
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Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.762min 23.104 ng/mL
response 77165067

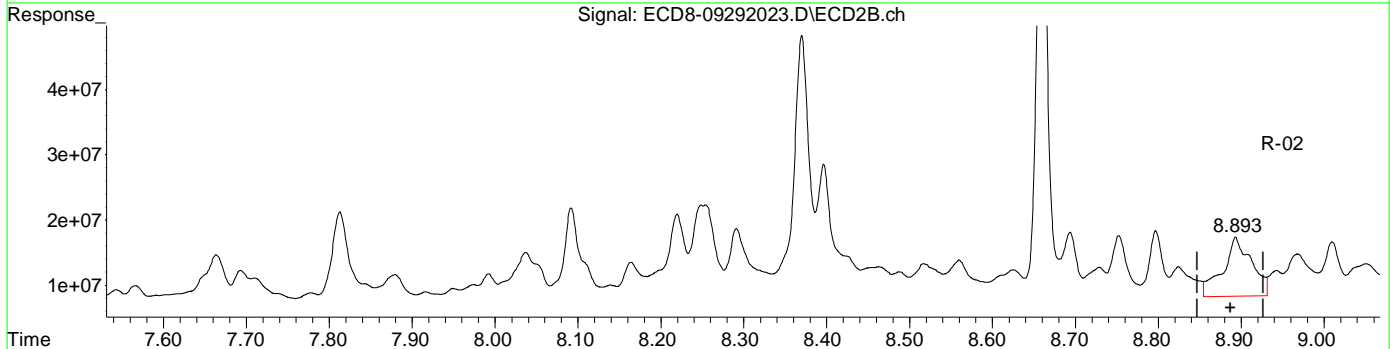
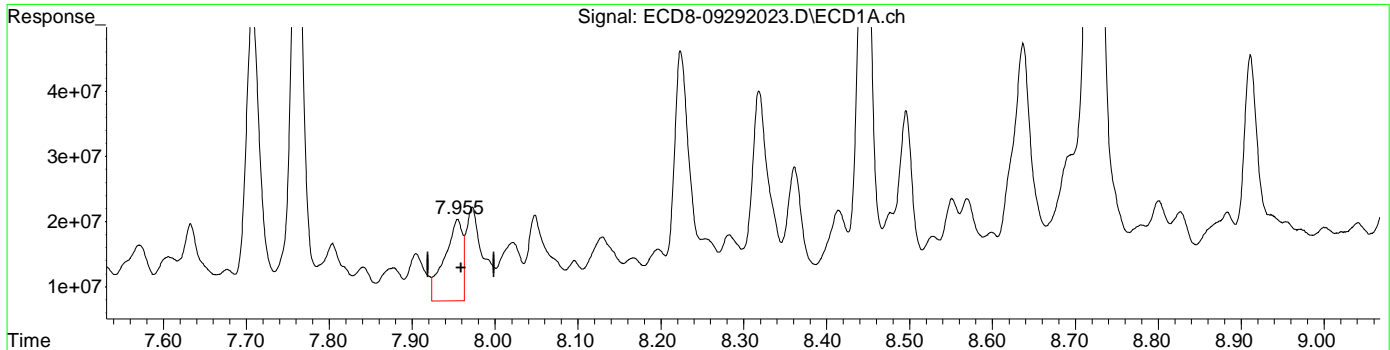
MJB 9/29/20

(15) 4,4'-DDD #2
8.660min 25.234 ng/mL
response 75192311

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:34
Operator : MJB
Sample : A0I0556-34RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:12:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

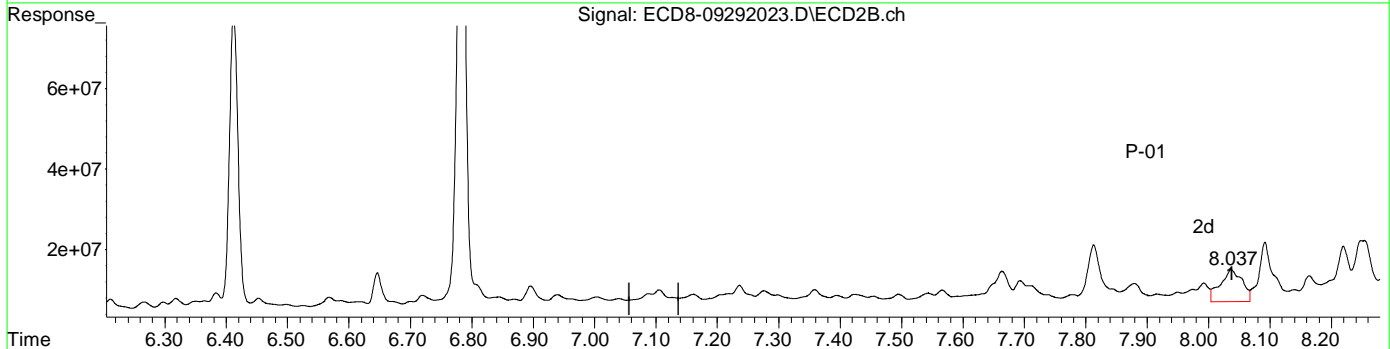
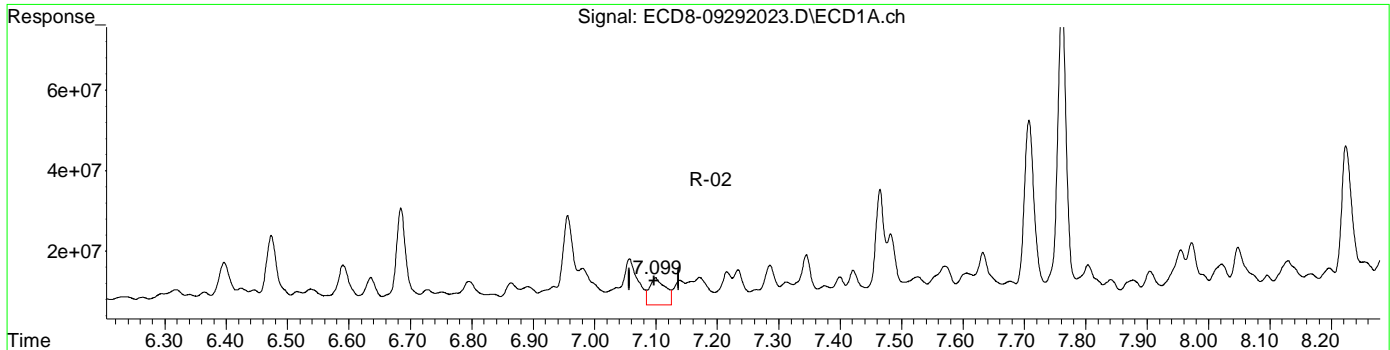
(17) 4,4'-DDT	7.955min	4.051 ng/mL	response 12516551
(17) 4,4'-DDT #2	8.893min	3.499 ng/mL	response 9096871

MJB 9/29/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:34
Operator : MJB
Sample : A0I0556-34RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:12:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.099min 2.447 ng/mL
response 6713573

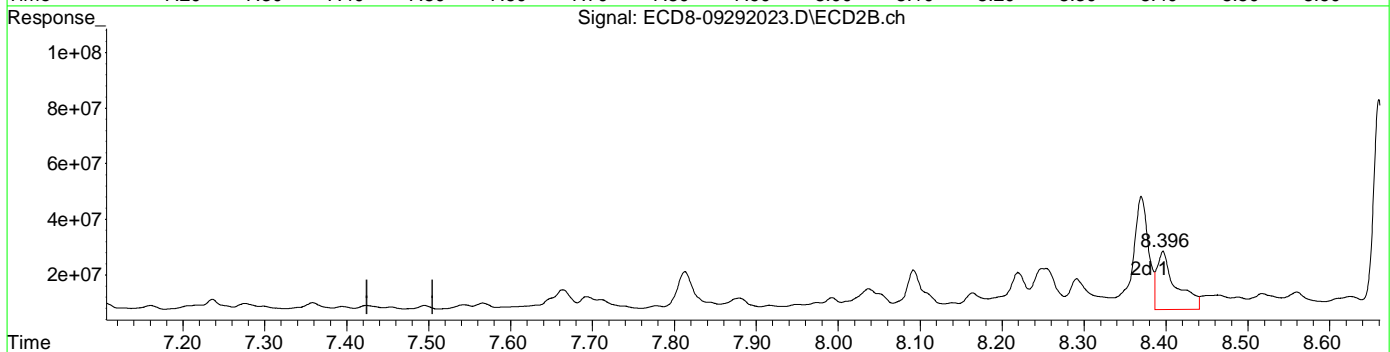
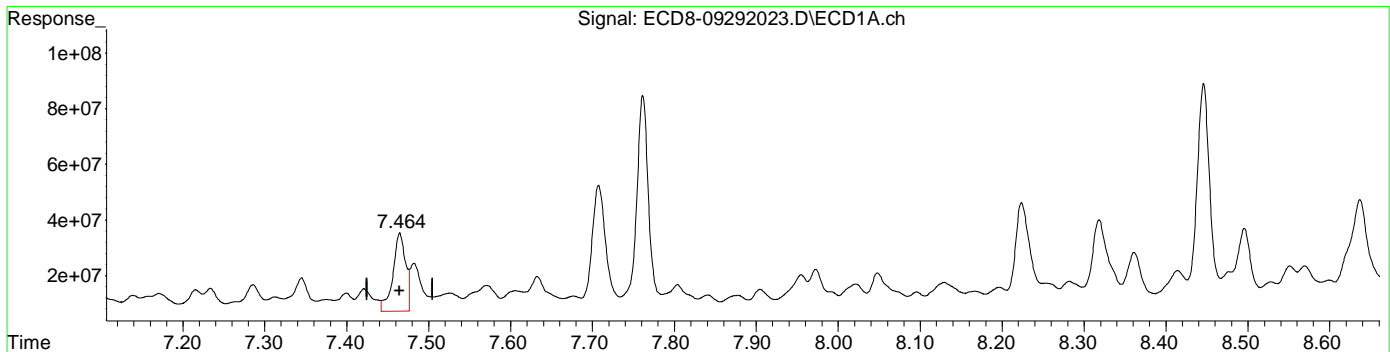
MJB 9/29/20

(26) 2,4'-DDE #2
8.037min 3.392 ng/mL
response 7947545

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:34
Operator : MJB
Sample : A0I0556-34RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:12:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

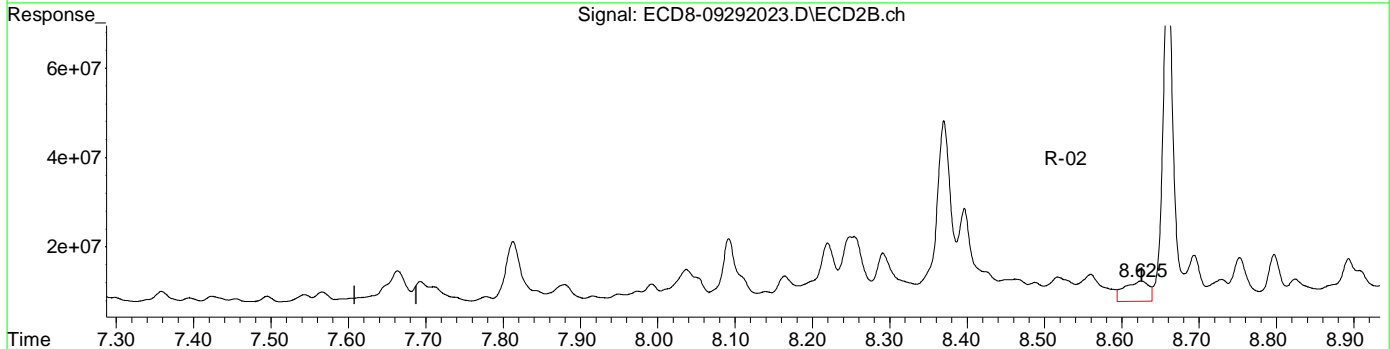
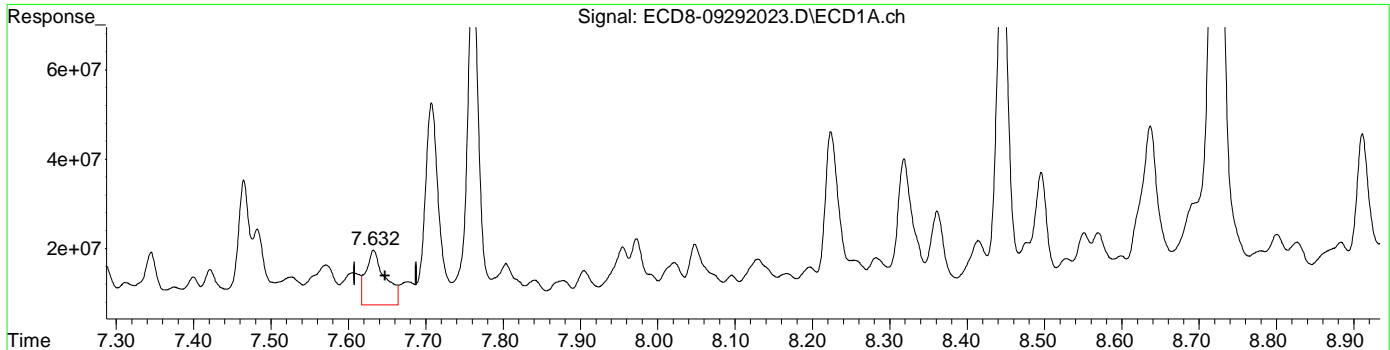
(28) 2,4'-DDD	7.465min	12.385 ng/mL	response 28137451
(28) 2,4'-DDD #2	8.397min	10.453 ng/mL	response 20978518

MJB 9/29/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:34
Operator : MJB
Sample : A0I0556-34RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:12:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

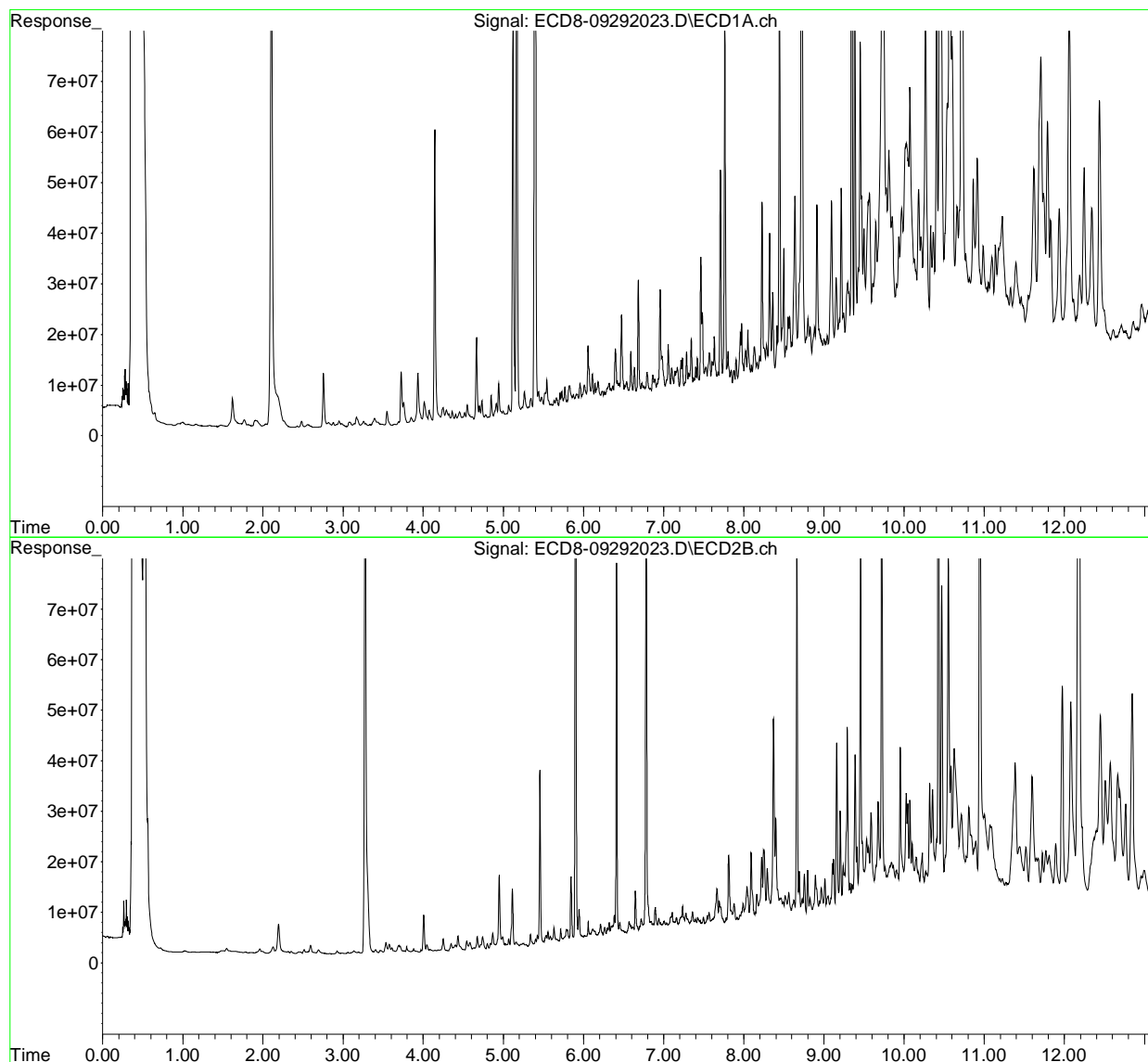
(29) 2,4'-DDT	
7.633min 5.092 ng/mL	
response 12237201	
(29) 2,4'-DDT #2	
8.625min 2.016 ng/mL	
response 4474470	

MJB 9/29/20

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 17:34
Operator : MJB
Sample : A0I0556-34RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:12:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:11
 Operator : MJB
 Sample : A0I0556-40RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 18:29:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.168	5.904	66378942	66933770	17.784	19.068
22) S DCBP (S)	9.344	10.427	67112546	67073619	21.938	31.566 #
Target Compounds						
2) a-BHC	5.706	6.500	1264750	252786	0.257	0.098 #
3) g-BHC	5.970	6.807	48158	1126021	0.011	0.290 #
4) b-BHC	6.053	6.897	736876	1549041	0.371	0.822 #
5) Heptachlor	6.391	7.167f	752145	378657	0.178	0.066 #
6) d-BHC	6.186	7.127	1608811	374504	0.390	0.131 #
7) Aldrin	6.624	7.456	289887	608551	0.066	0.157 #
8) Heptachlo...	7.074	7.873	2952415	1425038	0.729	0.389 #
9) trans-Chl...	7.181	8.037	1102828	3748495	0.267	1.012 #
10) cis-Chlor...	7.267	8.164f	747702	1536621	0.182	0.433 #
11) Endosulfa...	7.369	8.164f	441421	1536621	0.117	0.464 #
12) 4,4'-DDE	7.344	8.245	6926378	6904263	1.694	2.023
13) Dieldrin	7.533	8.394	1333165	4294963	0.315	1.168 #
14) Endrin	7.708	8.612	10519239	1252846	3.479	0.485 #
15) 4,4'-DDD	7.759	8.659	90878070	88952499	27.209	29.637
16) Endosulfa...	7.868	8.753	1359499	6711423	0.420	2.288 #
17) 4,4'-DDT	7.970	8.893	12857227	4972569	4.161m	1.912 # MDL=MRL
18) Endrin Al...	8.128	9.009	2662887	4101625	0.809	1.441 #
19) Endosulfa...	8.444	9.201	123.9E6	22929491	42.795	9.450 #
20) Methoxychlor	8.317	9.350	28479226	2589235	18.792	1.746 #
21) Endrin Ke...	8.632	9.581	18786393	12212660	8.127	7.251
23) Hexachlor...	2.949	3.611	243442	381029	BelowCal	BelowCal
24) Hexachlor...	5.546	6.382	563943	2404779	BelowCal	0.502
25) Oxychlorane	0.000	7.813	0	16319366	N.D.	5.416 #
26) 2,4'-DDE	7.097	8.037	2842420	3748495	0.933	1.495 # P-01
27) trans-Non...	7.267	8.110	747702	3973413	BelowCal	0.998
28) 2,4'-DDD	7.463	8.394	11516420	4294963	4.960	1.996 # R-02
29) 2,4'-DDT	7.631	8.612	10765892	1252846	4.459	0.422 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:11
 Operator : MJB
 Sample : A0I0556-40RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 18:29:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

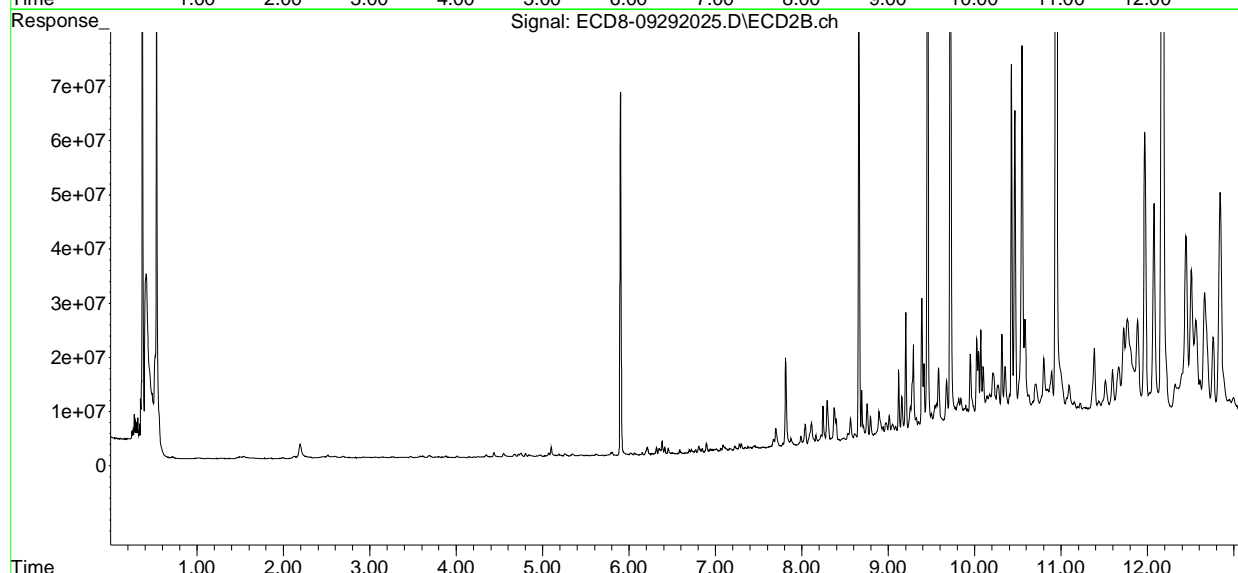
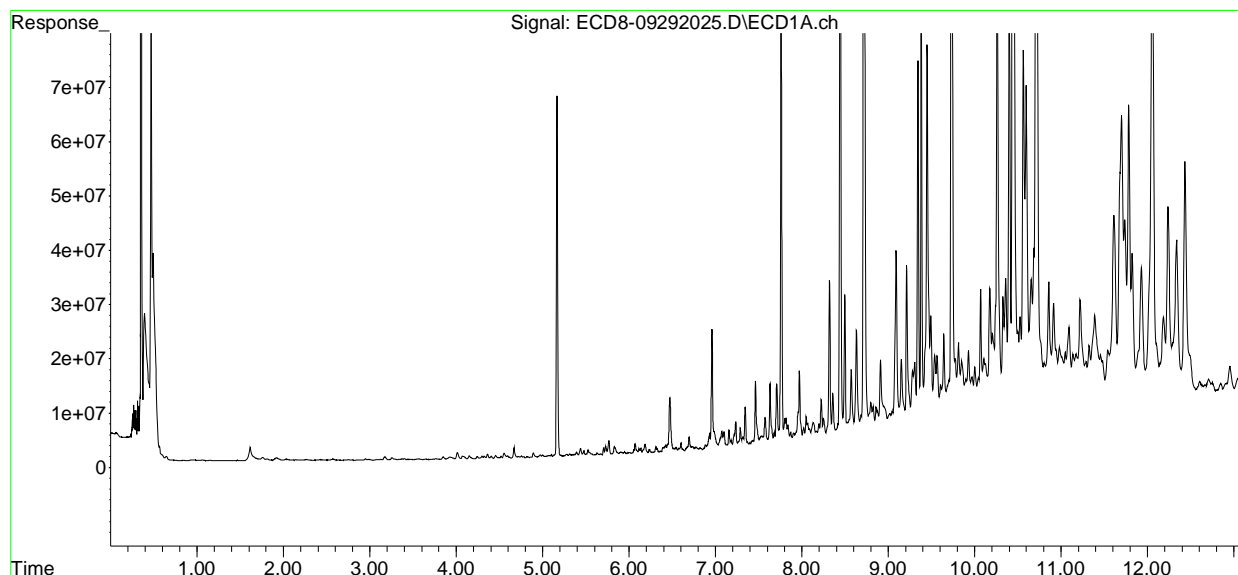
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.759f	8.659	90878070	88952499	22.136	24.465
31)	Mirex	8.416f	9.581	2017159	12212660	0.485	5.368 #
32)	Chlordane...	7.433	8.222	594674	1529488	1.315	3.462 #
33)	Chlordane...	7.533	8.332	1333165	839024	2.423	2.254
34)	Chlordane...	8.068	9.009	2686860	4101625	18.525	28.775 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.316	8.426	1518656	490098	88.284	16.209 #
37)	Toxaphene...	7.631f	8.753	10765892	6711423	329.213	170.788 #
38)	Toxaphene...	7.906	8.795	1065461	4174455	14.140	66.013 #
39)	Toxaphene...	8.168	8.893f	997786	4972569	10.000	47.298 #
40)	Toxaphene...	8.358f	9.049	7612324	2479712	136.296	43.676 #
41)	Toxaphene...	8.444	9.412	123.9E6	13199922	1612.320	203.867 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

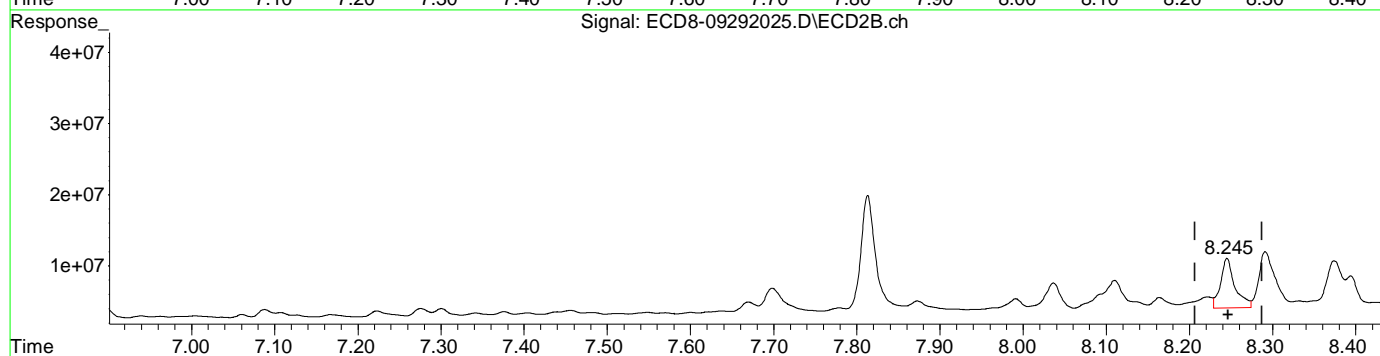
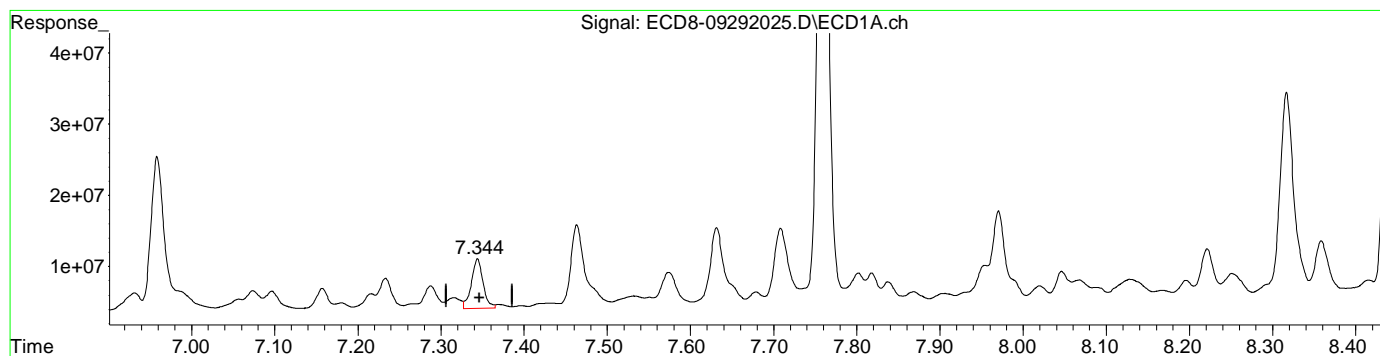
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.344min 1.694 ng/mL
response 6926378

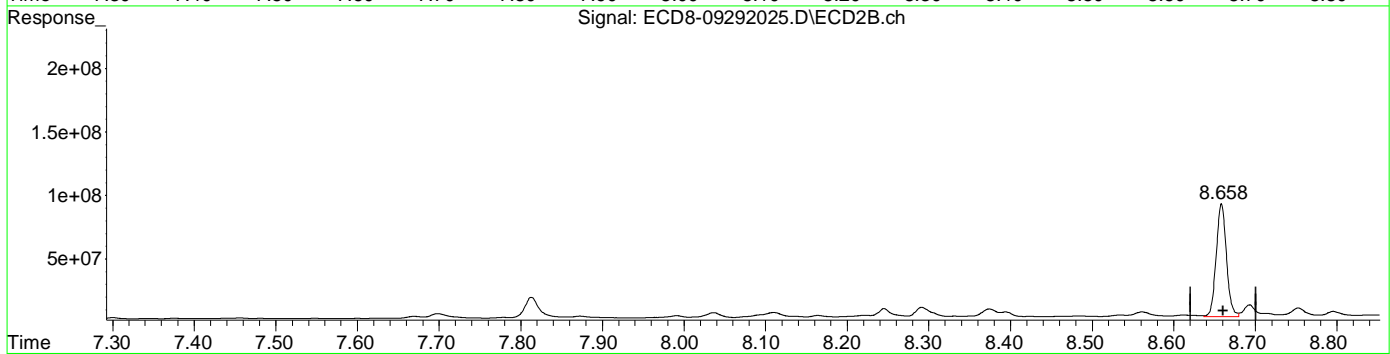
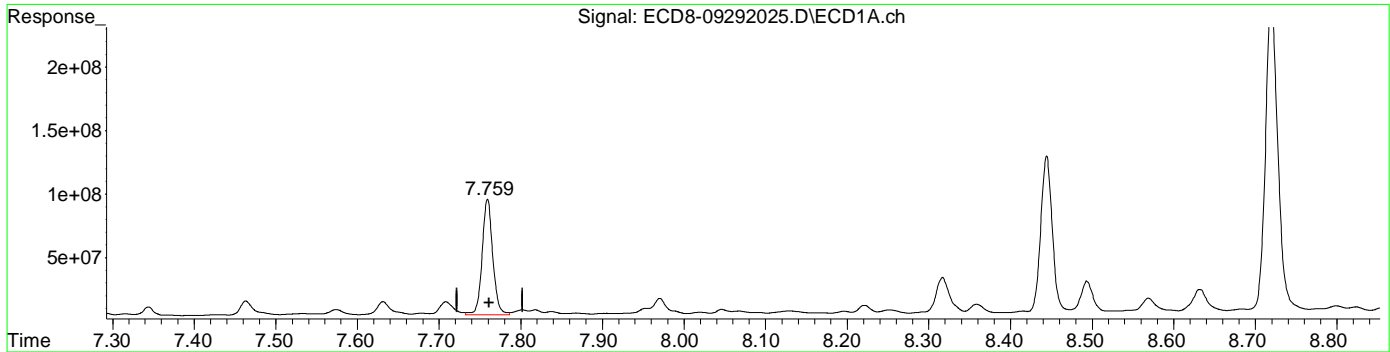
MJB 9/29/20

(12) 4,4'-DDE #2
8.245min 2.023 ng/mL
response 6904263

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.759min 27.209 ng/mL
response 90878070

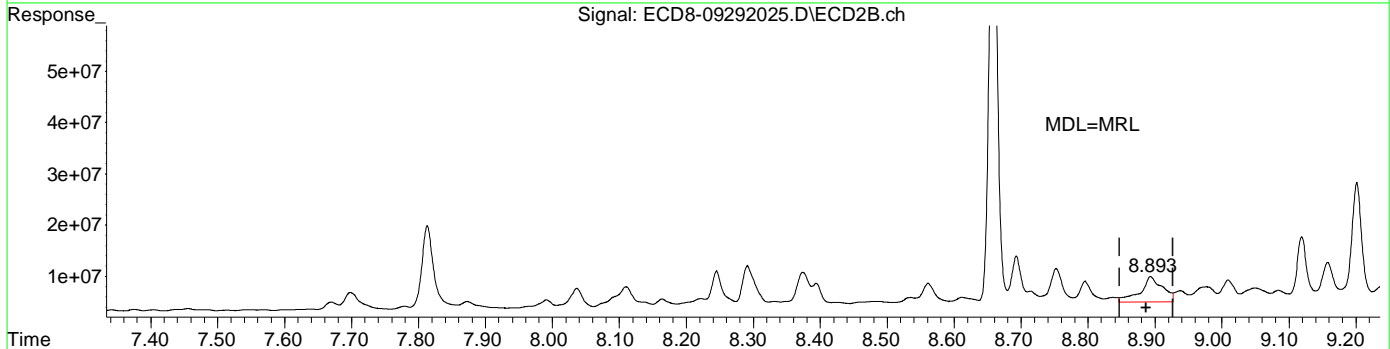
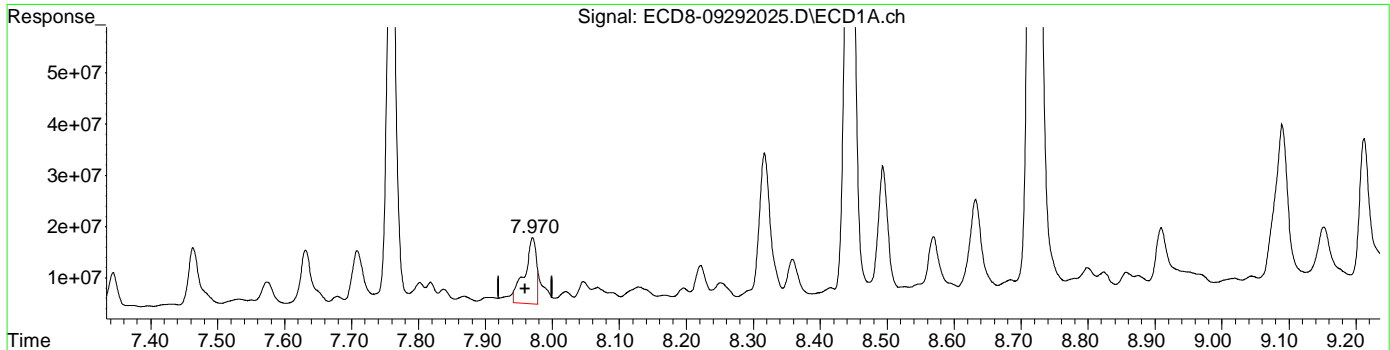
MJB 9/29/20

(15) 4,4'-DDD #2
8.659min 29.637 ng/mL
response 88952499

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



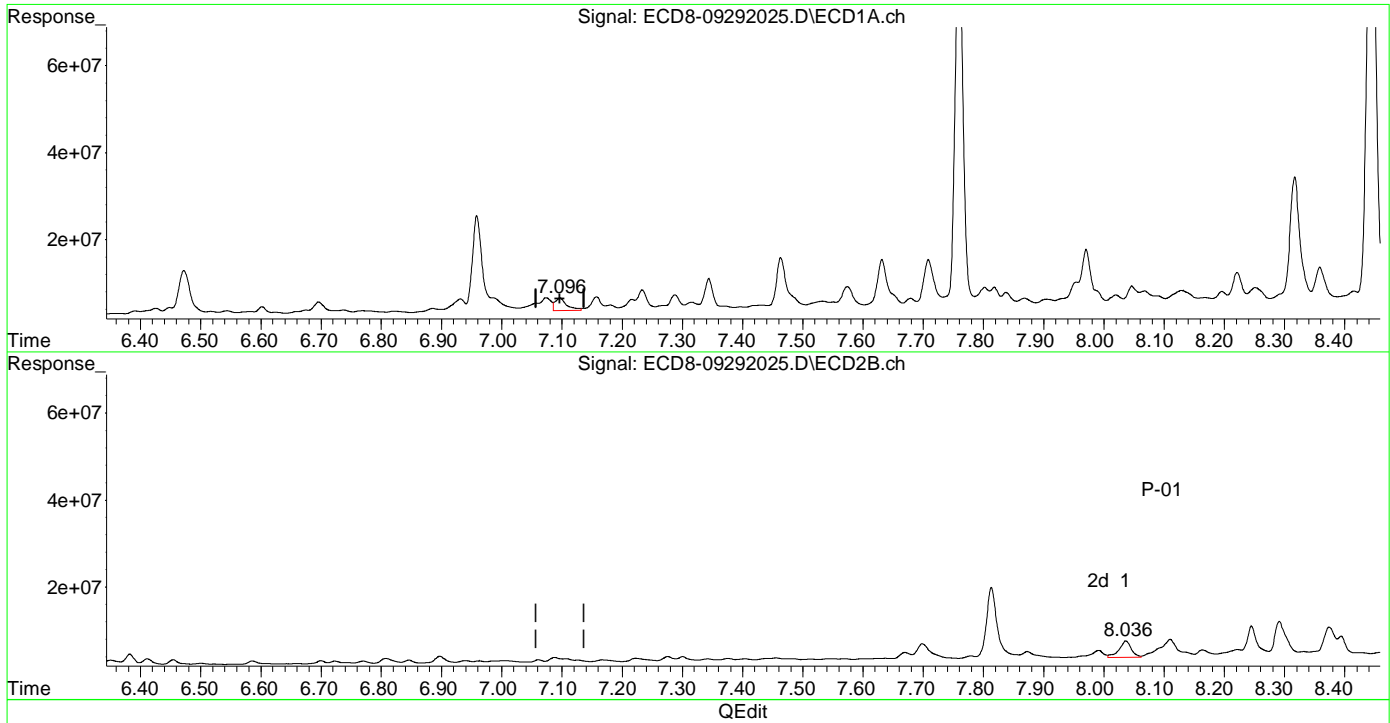
QEdit

(17) 4,4'-DDT 7.970min 4.161 ng/mL m response 12857227	<i>MJB 9/29/20</i>
(17) 4,4'-DDT #2 8.893min 1.912 ng/mL response 4972569	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.097min 0.933 ng/mL
response 2842420

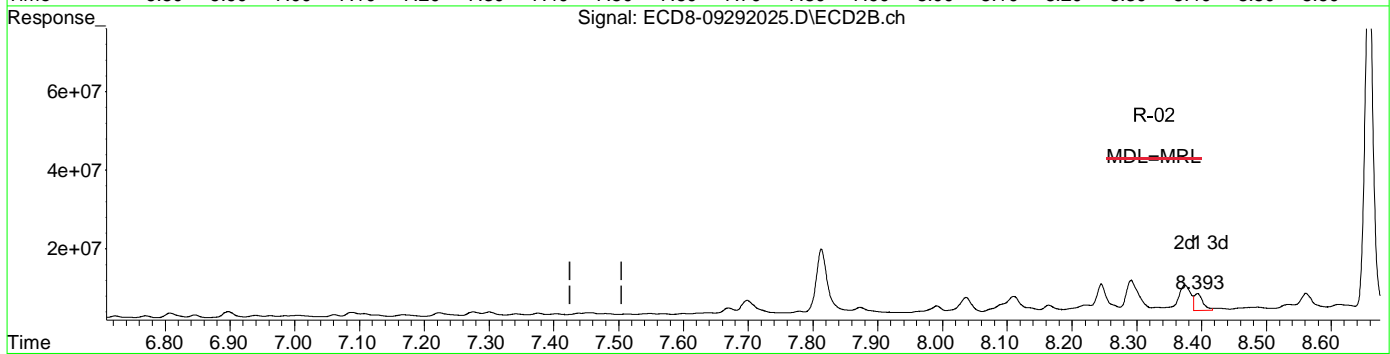
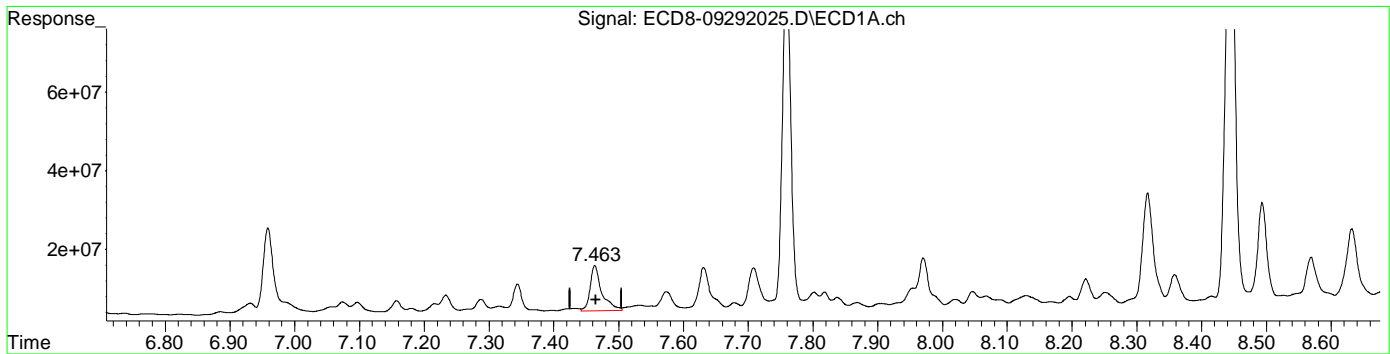
MJB 9/29/20

(26) 2,4'-DDE #2
8.037min 1.495 ng/mL
response 3748495

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(28) 2,4'-DDD
7.463min 4.960 ng/mL
response 11516420

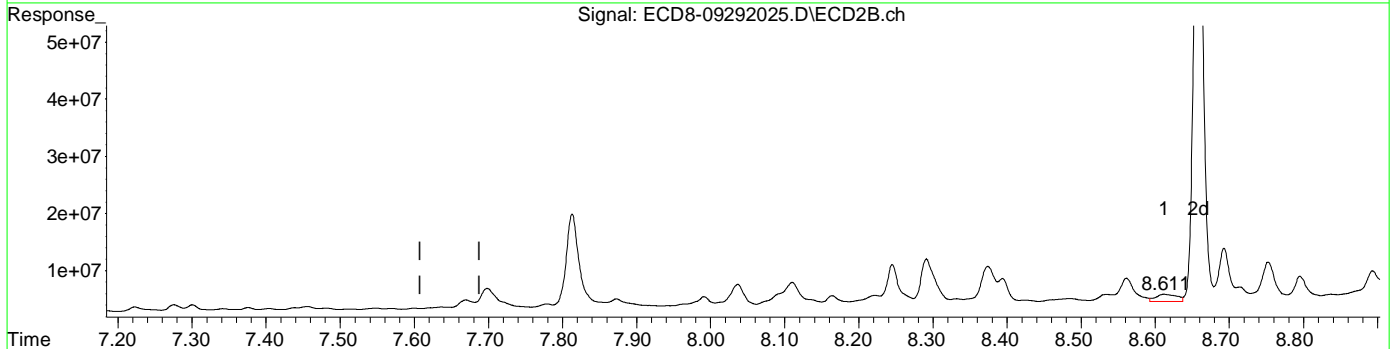
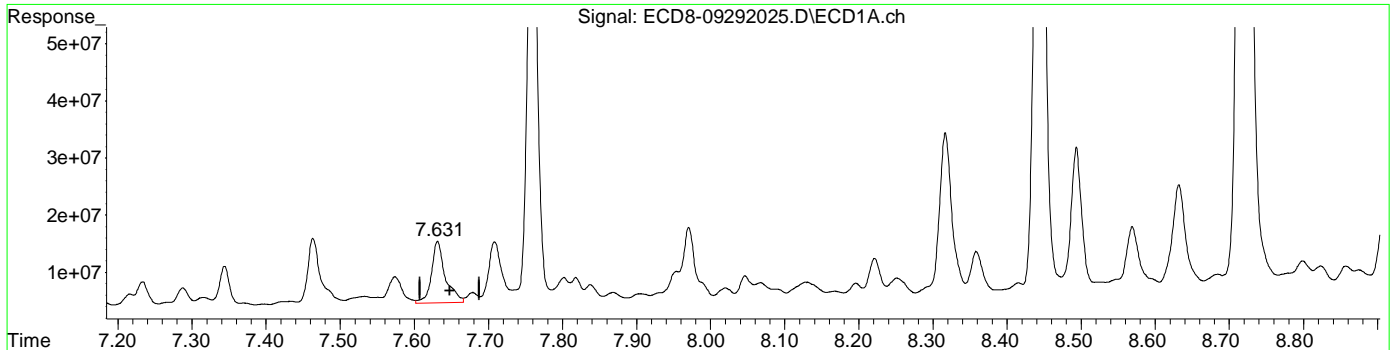
MJB 9/29/20

(28) 2,4'-DDD #2
8.394min 1.996 ng/mL
response 4294963

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.631min 4.459 ng/mL
response 10765892

MJB 9/29/20

(29) 2,4'-DDT #2
8.612min 0.422 ng/mL
response 1252846

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:11
 Operator : MJB
 Sample : A0I0556-40RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

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MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 18:29:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.168	5.904	66378942	66933770	17.784	19.068
22) S DCBP (S)	9.344	10.427	67112546	67073619	21.938	31.566 #
Target Compounds						
2) a-BHC	5.706	6.500	1264750	252786	0.257	0.098 #
3) g-BHC	5.970	6.807	48158	1126021	0.011	0.290 #
4) b-BHC	6.053	6.897	736876	1549041	0.371	0.822 #
5) Heptachlor	6.391	7.167f	752145	378657	0.178	0.066 #
6) d-BHC	6.186	7.127	1608811	374504	0.390	0.131 #
7) Aldrin	6.624	7.456	289887	608551	0.066	0.157 #
8) Heptachlo...	7.074	7.873	2952415	1425038	0.729	0.389 #
9) trans-Chl...	7.181	8.037	1102828	3748495	0.267	1.012 #
10) cis-Chlor...	7.267	8.164f	747702	1536621	0.182	0.433 #
11) Endosulfa...	7.369	8.164f	441421	1536621	0.117	0.464 #
12) 4,4'-DDE	7.344	8.245	6926378	6904263	1.694	2.023
13) Dieldrin	7.533	8.394	1333165	4294963	0.315	1.168 #
14) Endrin	7.708	8.612	10519239	1252846	3.479	0.485 #
15) 4,4'-DDD	7.759	8.659	90878070	88952499	27.209	29.637
16) Endosulfa...	7.868	8.753	1359499	6711423	0.420	2.288 #
17) 4,4'-DDT	7.954	8.893	4901588	4972569	1.586	1.912
18) Endrin Al...	8.128	9.009	2662887	4101625	0.809	1.441 #
19) Endosulfa...	8.444	9.201	123.9E6	22929491	42.795	9.450 #
20) Methoxychlor	8.317	9.350	28479226	2589235	18.792	1.746 #
21) Endrin Ke...	8.632	9.581	18786393	12212660	8.127	7.251
23) Hexachlor...	2.949	3.611	243442	381029	BelowCal	BelowCal
24) Hexachlor...	5.546	6.382	563943	2404779	BelowCal	0.502
25) Oxychlordan	0.000	7.813	0	16319366	N.D.	5.416 #
26) 2,4'-DDE	7.097	8.037	2842420	3748495	0.933	1.495 #
27) trans-Non...	7.267	8.110	747702	3973413	BelowCal	0.998
28) 2,4'-DDD	7.463	8.394	11516420	4294963	4.960	1.996 #
29) 2,4'-DDT	7.631	8.612	10765892	1252846	4.459	0.422 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:11
 Operator : MJB
 Sample : A0I0556-40RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 18:29:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

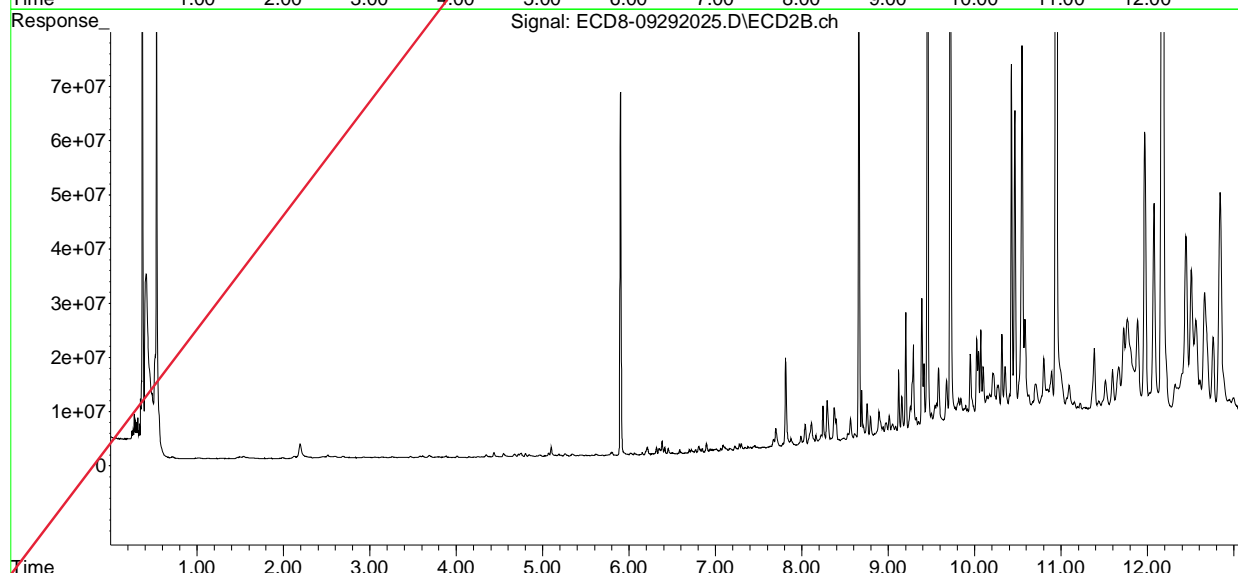
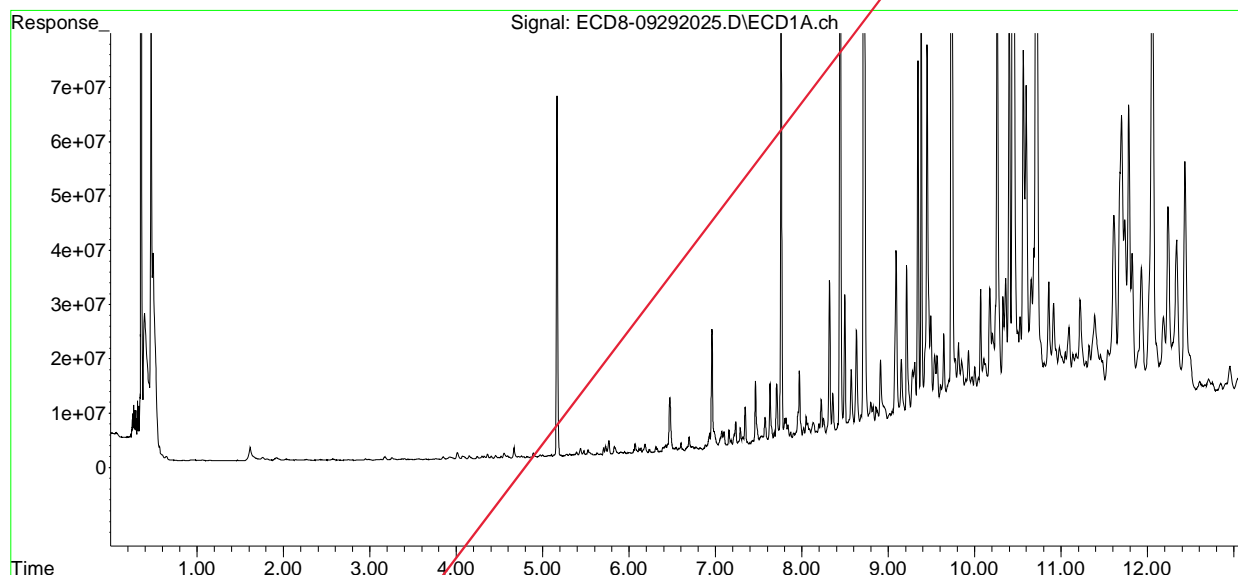
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.759f	8.659	90878070	88952499	22.136	24.465
31)	Mirex	8.416f	9.581	2017159	12212660	0.485	5.368 #
32)	Chlordane...	7.433	8.222	594674	1529488	1.315	3.462 #
33)	Chlordane...	7.533	8.332	1333165	839024	2.423	2.254
34)	Chlordane...	8.068	9.009	2686860	4101625	18.525	28.775 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.316	8.426	1518656	490098	88.284	16.209 #
37)	Toxaphene...	7.631f	8.753	10765892	6711423	329.213	170.788 #
38)	Toxaphene...	7.906	8.795	1065461	4174455	14.140	66.013 #
39)	Toxaphene...	8.168	8.893f	997786	4972569	10.000	47.298 #
40)	Toxaphene...	8.358f	9.049	7612324	2479712	136.296	43.676 #
41)	Toxaphene...	8.444	9.412	123.9E6	13199922	1612.320	203.867 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:11
Operator : MJB
Sample : A0I0556-40RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 18:29:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292027.D R-04
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:48
 Operator : MJB
 Sample : A0I0556-42RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 19:02:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.166	5.902	63083450	63114515	16.901	17.980
22) S DCBP (S)	9.343	10.426	64709276	57633654	21.145	27.198 #
Target Compounds						
2) a-BHC	5.705	6.500	1349219	368576	0.274	0.124 #
3) g-BHC	5.981	6.784f	309522	7837479	0.070	2.020 #
4) b-BHC	6.057	6.896	1243867	1585163	0.627	0.841 #
5) Heptachlor	6.395	7.190	6118974	204843	1.445	0.020 #
6) d-BHC	6.185	7.126	1973068	235217	0.478	0.094 #
7) Aldrin	6.622	7.458	140851	208303	0.032	0.048 #
8) Heptachlo...	7.091	7.886	1613043	413450	0.398	0.113 #
9) trans-Chl...	7.180	8.032	252134	2891370	0.061	0.780 #
10) cis-Chlor...	7.286	8.140	797646	636802	0.194	0.179
11) Endosulfa...	7.372	8.161f	358660	1987266	0.095	0.600 #
12) 4,4'-DDE	7.336	8.231	852929	238330	0.209	0.088m#
13) Dieldrin	7.554	8.371	507310	6991241	0.120	1.901 #
14) Endrin	7.706	8.619	10489463	639386	3.469	0.230 #
15) 4,4'-DDD	7.735f	8.655	1429432	2199340	0.428	0.776 #
16) Endosulfa...	7.866	8.748	1411669	2213246	0.437	0.754 #
17) 4,4'-DDT	7.970	8.892	12958571	4756221	4.194	1.829 # MDL=MRL
18) Endrin Al...	8.124	9.007	1346243	4206667	0.409	1.478 #
19) Endosulfa...	8.442	9.200	88802702	15078442	30.660	6.231 #
20) Methoxychlor	8.315	9.387f	22796659	16593792	15.042	11.191 #
21) Endrin Ke...	8.632	9.579	17122687	7602034	7.408	4.500 #
23) Hexachlor...	2.949	3.610	347887	323318	BelowCal	BelowCal
24) Hexachlor...	5.543	6.382	963809	2110085	0.042	0.412 #
25) Oxychlorane	6.983f	7.811	3051899	3798148	0.709	1.084 #
26) 2,4'-DDE	7.091	8.032	1613043	2891370	0.451	1.107 # P-01
27) trans-Non...	7.262	8.089	697282	1482344	BelowCal	0.213
28) 2,4'-DDD	7.461	8.382	1622736	3458138	0.531	1.566m# P-01
29) 2,4'-DDT	7.635	8.619	5586597	639386	2.228m	0.117 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:48
 Operator : MJB
 Sample : A0I0556-42RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 19:02:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

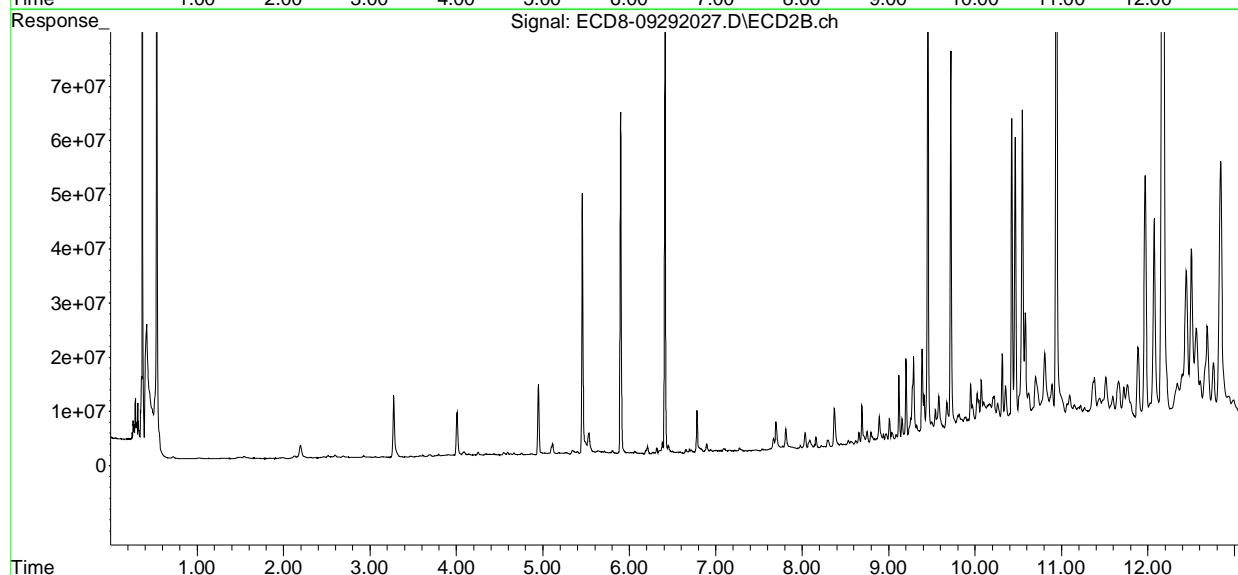
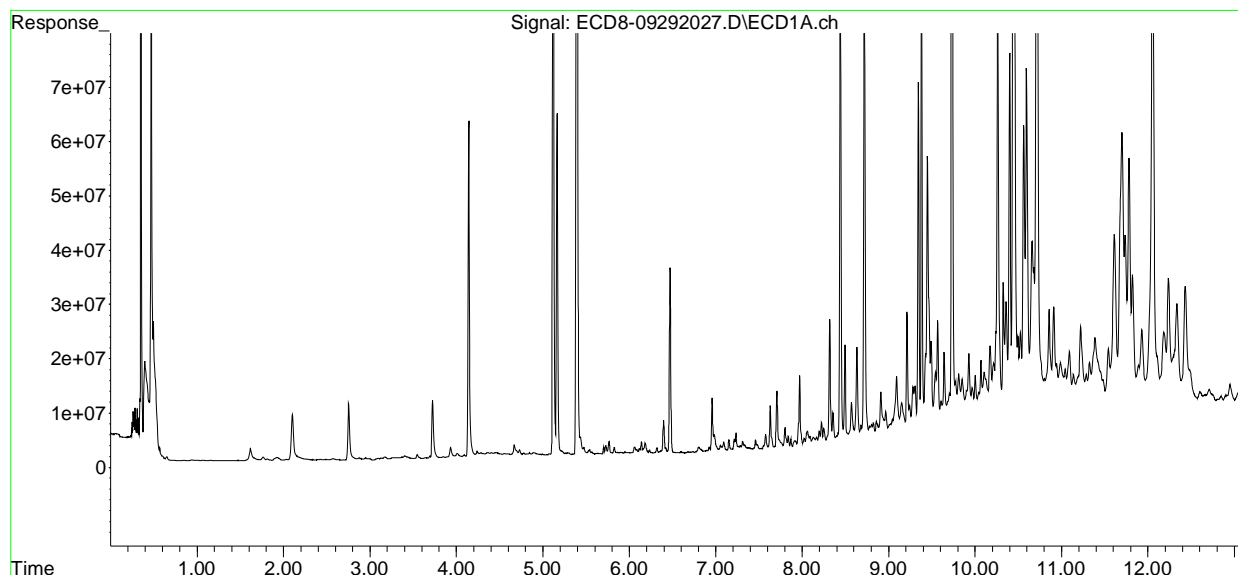
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.735	8.655	1429432	2199340	0.168	0.446 #
31)	Mirex	8.398	9.579	1146825	7602034	0.152	3.192 #
32)	Chlordane...	7.418	8.218	158229	360924	0.350	0.817 #
33)	Chlordane...	7.514	8.330	101815	67892	0.185	0.182
34)	Chlordane...	8.059	9.007	2584180	4206667	17.817	29.760 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.448f	1575497	394736	91.588	13.055 #
37)	Toxaphene...	7.630f	8.748f	7881379	2213246	239.999	56.321 #
38)	Toxaphene...	7.913	8.796	1039582	2032515	13.797	32.141 #
39)	Toxaphene...	8.167	8.861	1306842	795454	14.640	1.601 #
40)	Toxaphene...	8.398	9.036	1146825	1670605	20.534	29.425 #
41)	Toxaphene...	8.442	9.409	88802702	8038577	1155.132	124.152 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:48
Operator : MJB
Sample : A0I0556-42RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

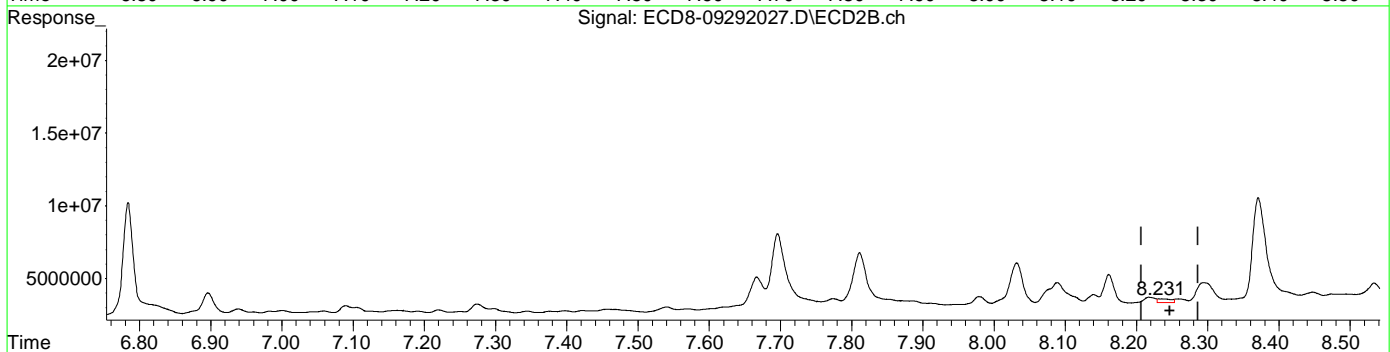
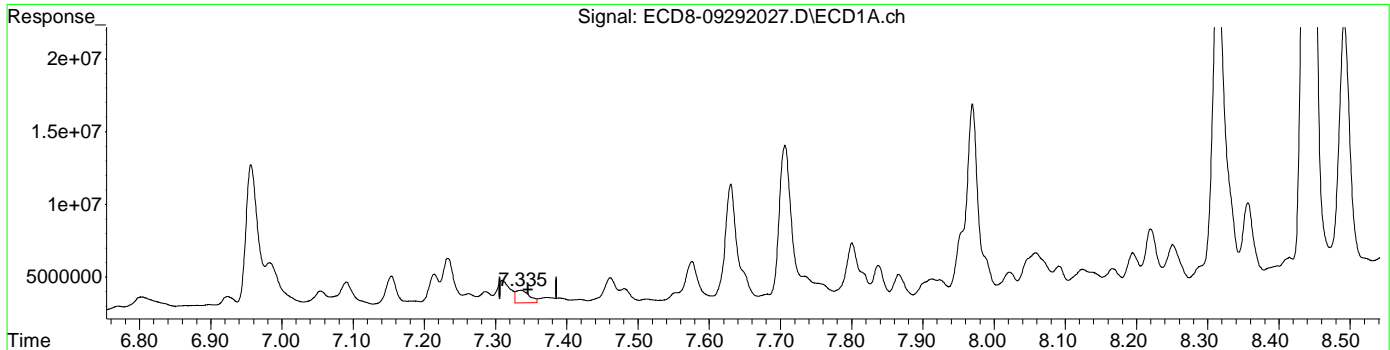
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 19:02:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:48
Operator : MJB
Sample : A0I0556-42RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 19:02:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.336min 0.209 ng/mL
response 852929

MJB 9/29/20

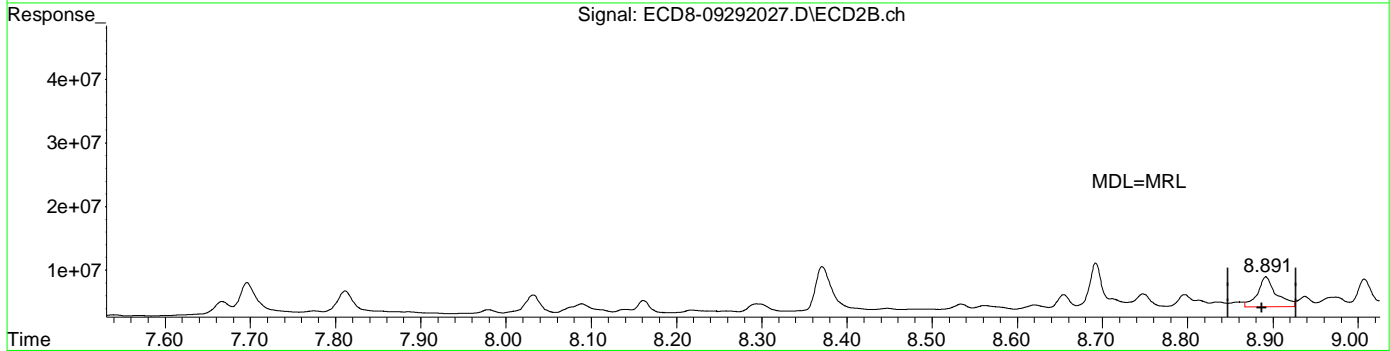
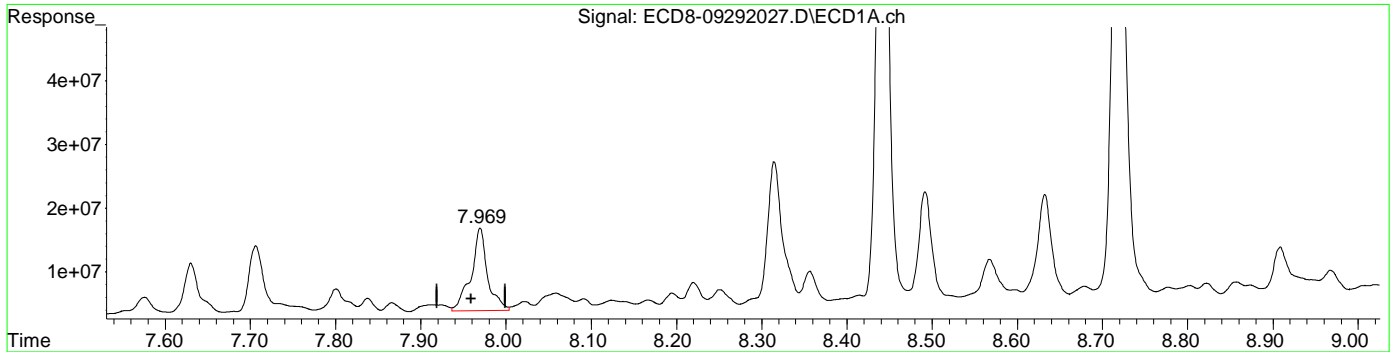
(12) 4,4'-DDE #2
8.231min 0.088 ng/mL m
response 238330

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:48
Operator : MJB
Sample : A0I0556-42RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 19:02:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.970min 4.194 ng/mL
response 12958571

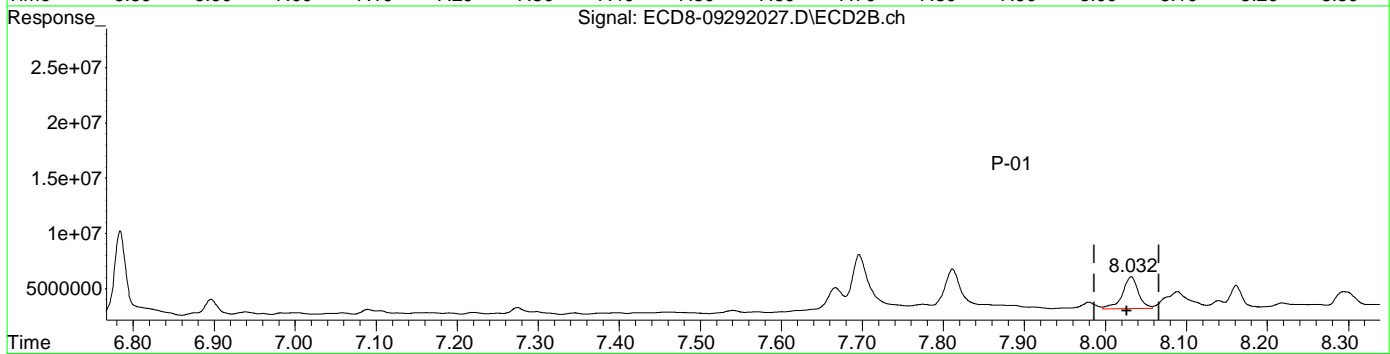
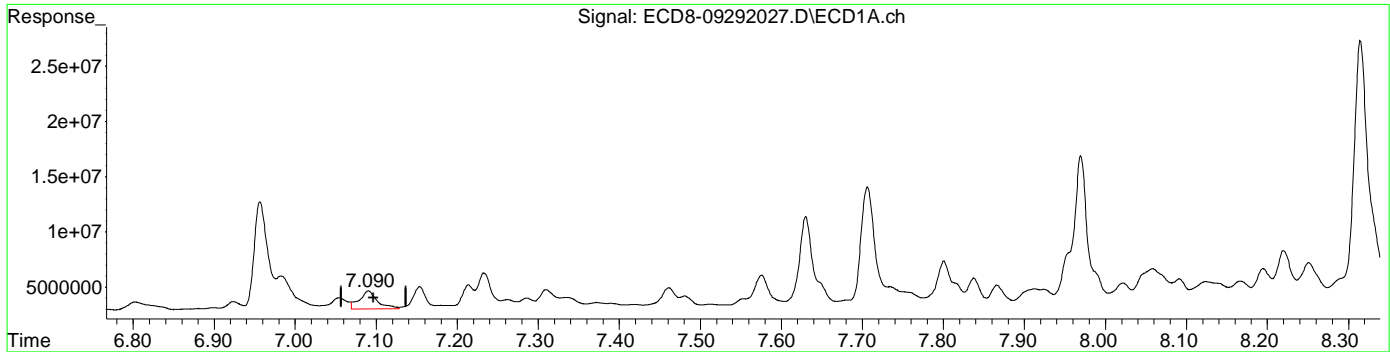
MJB 9/29/20

(17) 4,4'-DDT #2
8.892min 1.829 ng/mL
response 4756221

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:48
Operator : MJB
Sample : A0I0556-42RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 19:02:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(26) 2,4'-DDE
7.091min 0.451 ng/mL
response 1613043

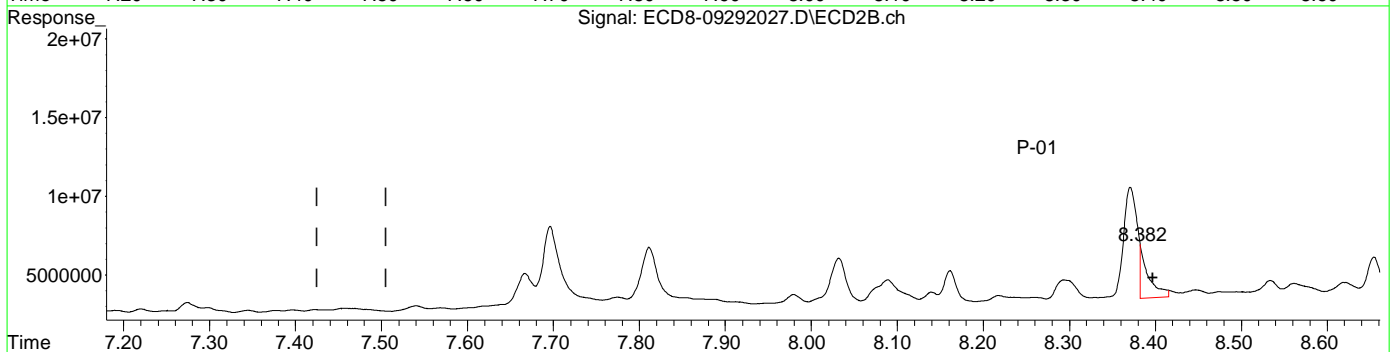
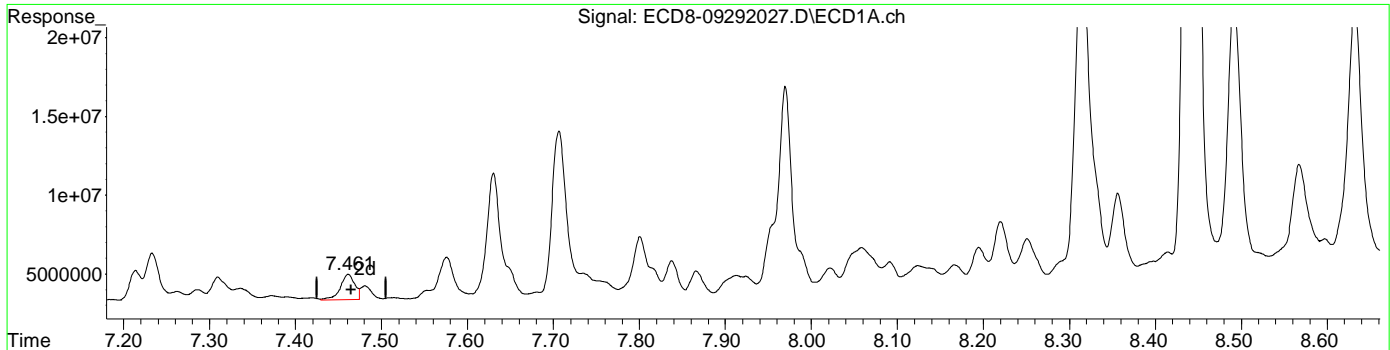
MJB 9/29/20

(26) 2,4'-DDE #2
8.032min 1.107 ng/mL
response 2891370

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:48
Operator : MJB
Sample : A0I0556-42RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 19:02:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(28) 2,4'-DDD
7.461min 0.531 ng/mL
response 1622736

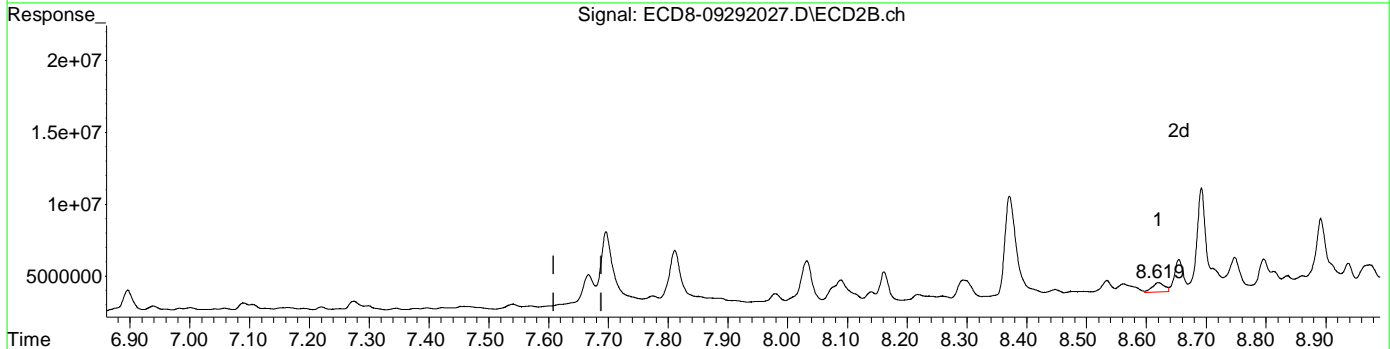
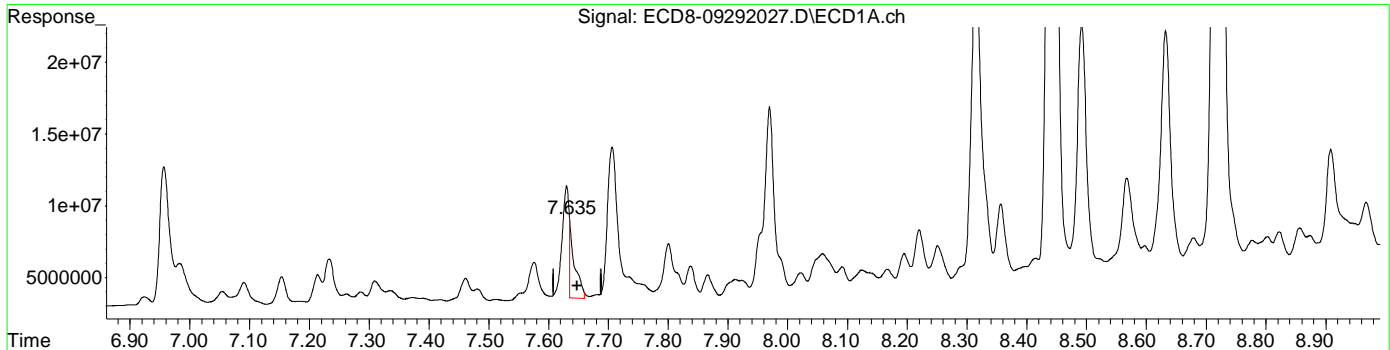
MJB 9/29/20

(28) 2,4'-DDD #2
8.382min 1.566 ng/mL m
response 3458138

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:48
Operator : MJB
Sample : A0I0556-42RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 19:02:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.635min 2.228 ng/mL m
response 5586597

MJB 9/29/20

(29) 2,4'-DDT #2
8.619min 0.117 ng/mL
response 639386

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:48
 Operator : MJB
 Sample : A0I0556-42RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

MI

MJB 9/29/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 19:02:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.166	5.902	63083450	63114515	16.901	17.980
22) S DCBP (S)	9.343	10.426	64709276	57633654	21.145	27.198 #
Target Compounds						
2) a-BHC	5.705	6.500	1349219	368576	0.274	0.124 #
3) g-BHC	5.981	6.784f	309522	7837479	0.070	2.020 #
4) b-BHC	6.057	6.896	1243867	1585163	0.627	0.841 #
5) Heptachlor	6.395	7.190	6118974	204843	1.445	0.020 #
6) d-BHC	6.185	7.126	1973068	235217	0.478	0.094 #
7) Aldrin	6.622	7.458	140851	208303	0.032	0.048 #
8) Heptachlo...	7.091	7.886	1613043	413450	0.398	0.113 #
9) trans-Chl...	7.180	8.032	252134	2891370	0.061	0.780 #
10) cis-Chlor...	7.286	8.140	797646	636802	0.194	0.179 #
11) Endosulfa...	7.372	8.161f	358660	1987266	0.095	0.600 #
12) 4,4'-DDE	7.336	8.259	852929	175353	0.209	0.070 #
13) Dieldrin	7.554	8.371	507310	6991241	0.120	1.901 #
14) Endrin	7.706	8.619	10489463	639386	3.469	0.230 #
15) 4,4'-DDD	7.735f	8.655	1429432	2199340	0.428	0.776 #
16) Endosulfa...	7.866	8.748	1411669	2213246	0.437	0.754 #
17) 4,4'-DDT	7.970	8.892	12958571	4756221	4.194	1.829 #
18) Endrin Al...	8.124	9.007	1346243	4206667	0.409	1.478 #
19) Endosulfa...	8.442	9.200	88802702	15078442	30.660	6.231 #
20) Methoxychlor	8.315	9.387f	22796659	16593792	15.042	11.191 #
21) Endrin Ke...	8.632	9.579	17122687	7602034	7.408	4.500 #
23) Hexachlor...	2.949	3.610	347887	323318	BelowCal	BelowCal
24) Hexachlor...	5.543	6.382	963809	2110085	0.042	0.412 #
25) Oxychlorane	6.983f	7.811	3051899	3798148	0.709	1.084 #
26) 2,4'-DDE	7.091	8.032	1613043	2891370	0.451	1.107 #
27) trans-Non...	7.262	8.089	697282	1482344	BelowCal	0.213
28) 2,4'-DDD	7.461	8.371f	1622736	6991241	0.531	3.375 #
29) 2,4'-DDT	7.630	8.619	7881379	639386	3.217	0.117 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 18:48
 Operator : MJB
 Sample : A0I0556-42RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 29 19:02:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

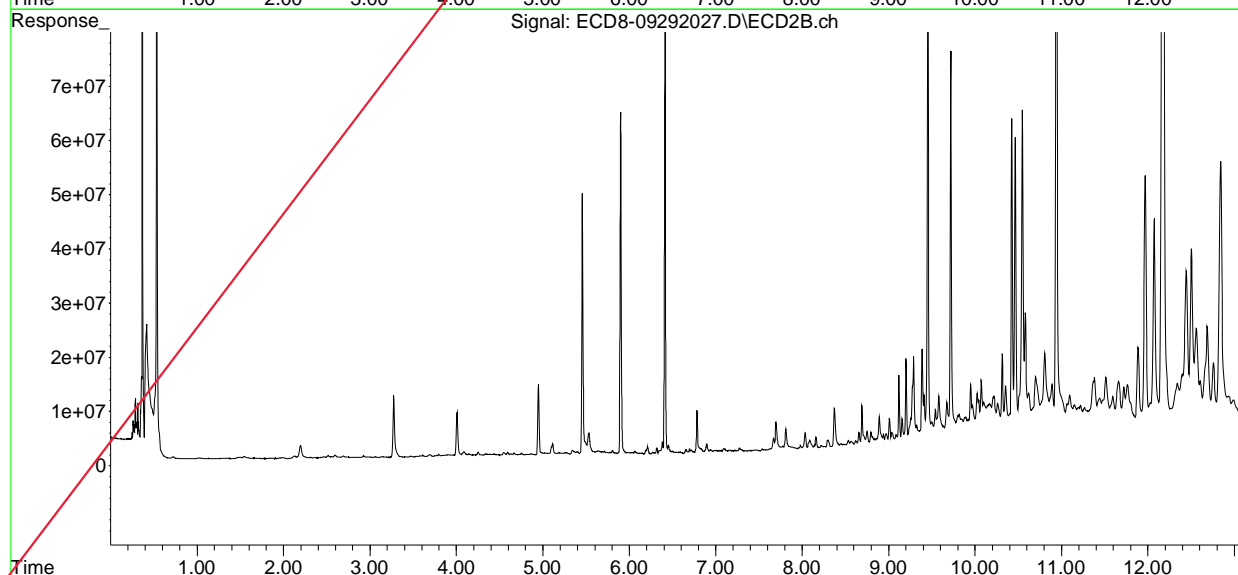
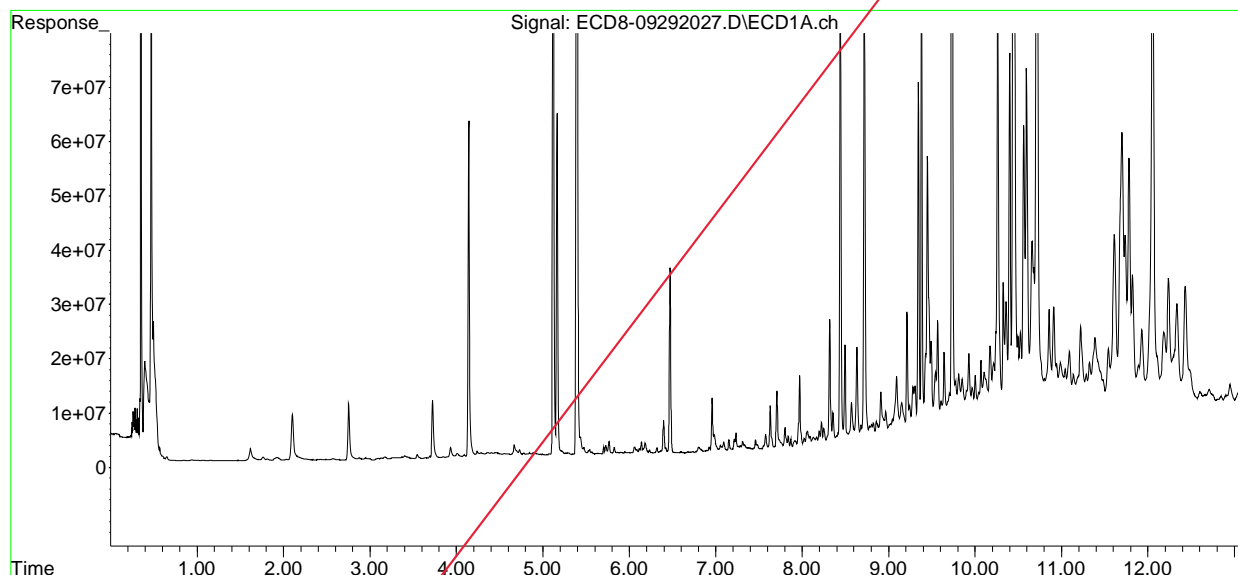
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.735	8.655	1429432	2199340	0.168	0.446 #
31)	Mirex	8.398	9.579	1146825	7602034	0.152	3.192 #
32)	Chlordane...	7.418	8.218	158229	360924	0.350	0.817 #
33)	Chlordane...	7.514	8.330	101815	67892	0.185	0.182
34)	Chlordane...	8.059	9.007	2584180	4206667	17.817	29.760 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.310	8.448f	1575497	394736	91.588	13.055 #
37)	Toxaphene...	7.630f	8.748f	7881379	2213246	239.999	56.321 #
38)	Toxaphene...	7.913	8.796	1039582	2032515	13.797	32.141 #
39)	Toxaphene...	8.167	8.861	1306842	795454	14.640	1.601 #
40)	Toxaphene...	8.398	9.036	1146825	1670605	20.534	29.425 #
41)	Toxaphene...	8.442	9.409	88802702	8038577	1155.132	124.152 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 18:48
Operator : MJB
Sample : A0I0556-42RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 29 19:02:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

R-04

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 19:25
 Operator : MJB
 Sample : A0I0556-43RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:26:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	

System Monitoring Compounds								
1)	S TCMX (S)	5.165	5.902	34967169	35173508	9.369	10.020	
22)	S DCBP (S)	9.343	10.427	38152962	42387025	12.381	20.069	# S-04
Target Compounds								
2)	a-BHC	5.704	6.499	1259638	326234	0.256	0.115	#
3)	g-BHC	6.000	6.819	217180	578700	0.049	0.149	#
4)	b-BHC	6.054	6.895	776574	2602236	0.391	1.380	#
5)	Heptachlor	6.396	7.194	4980381	220554	1.176	0.024	#
6)	d-BHC	6.184	7.125	2806706	281686	0.680	0.106	#
7)	Aldrin	6.621	7.454	200075	297558	0.046	0.072	#
8)	Heptachlo...	7.093	7.886	2461534	321991	0.608	0.088	#
9)	trans-Chl...	7.157f	8.035	4613207	6125397	1.115	1.653	#
10)	cis-Chlor...	7.269	8.140	563296	1969248	0.137	0.555	#
11)	Endosulfa...	7.374	8.198	261648	135002	0.069	0.041	#
12)	4,4'-DDE	7.323f	8.233	1294140	1025457	0.317m	0.317m	
13)	Dieldrin	7.517f	8.375	92344	5647067	0.022	1.535	#
14)	Endrin	7.710	8.620	8438076	544544	2.791	0.191	#
15)	4,4'-DDD	7.763	8.654	1921911	3988279	0.575	1.400	# P-01
16)	Endosulfa...	7.866	8.748	3232659	3724356	1.000	1.269	#
17)	4,4'-DDT	7.963	8.890	17444473	8692731	5.646m	3.344m	# R-02
18)	Endrin Al...	8.141	9.008	1894038	8100416	0.575	2.845	#
19)	Endosulfa...	8.445	9.200	196.8E6	33454542	67.942	13.714	#
20)	Methoxychlor	8.316	9.353	44469288	2290241	29.343	1.545	#
21)	Endrin Ke...	8.631	9.580	19310356	16695670	8.354	9.896	
23)	Hexachlor...	2.948	3.610	331034	282929	BelowCal	BelowCal	
24)	Hexachlor...	5.567	6.382	783832	1991253	BelowCal	0.376	
25)	Oxychlorane	6.988f	7.812	3708959	3912799	0.901	1.124	
26)	2,4'-DDE	7.093	8.035	2461534	6125397	0.783	2.570	# P-01
27)	trans-Non...	7.269	8.092	563296	987509	BelowCal	0.057	
28)	2,4'-DDD	7.461	8.375f	2208518	5647067	0.794	2.688	# P-01
29)	2,4'-DDT	7.637	8.620	9667595	544544	3.986m	0.070	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 19:25
 Operator : MJB
 Sample : A0I0556-43RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:26:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

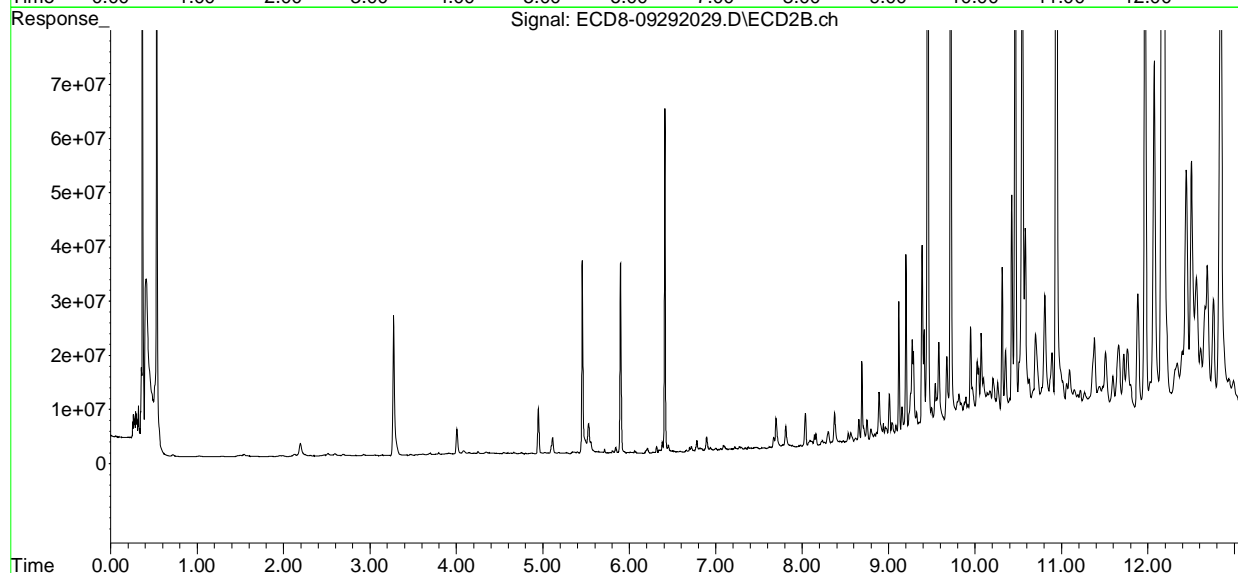
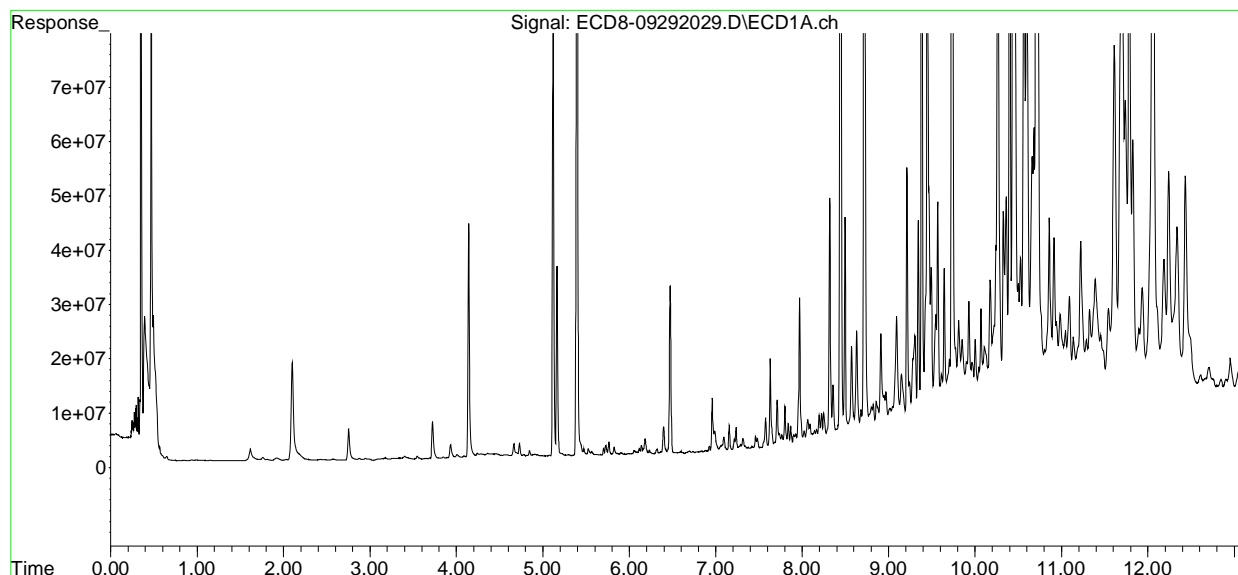
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.736	8.654	2185980	3988279	0.355	0.955 #
31)	Mirex	8.358f	9.580	9871175	16695670	3.490	7.477 #
32)	Chlordane...	7.421	8.233	348197	772884	0.770	1.749 #
33)	Chlordane...	7.517	8.330	92344	298583	0.168	0.802 #
34)	Chlordane...	8.065	9.008	4103969	8100416	28.296	66.141 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.313	8.444f	1969054	261899	114.467	8.662 #
37)	Toxaphene...	7.631f	8.748f	16235254	3724356	498.725	94.775 #
38)	Toxaphene...	7.907	8.796	1618404	1984473	21.479	31.382 #
39)	Toxaphene...	8.168	8.860	2040594	1209297	25.647	6.150 #
40)	Toxaphene...	8.358f	9.040	9871175	2680272	176.741	47.208 #
41)	Toxaphene...	8.445	9.411	196.8E6	19292936	2559.739	297.971 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

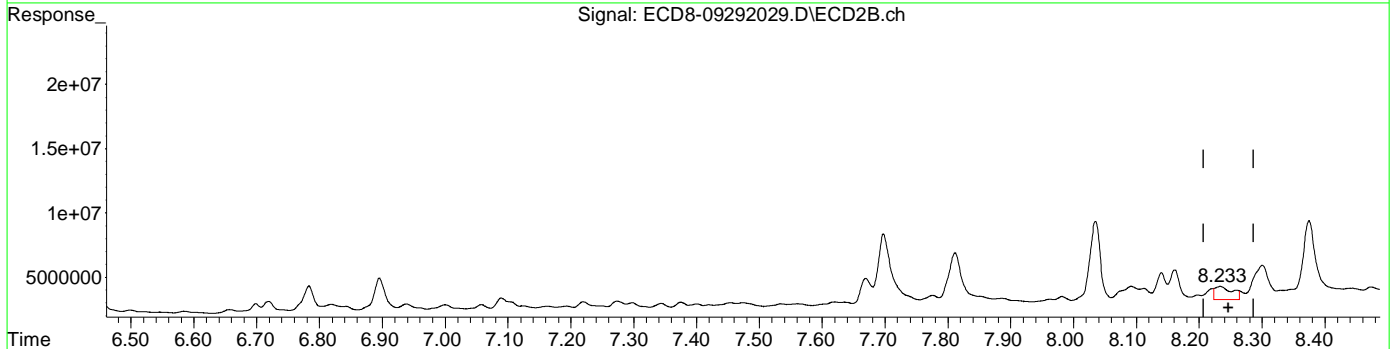
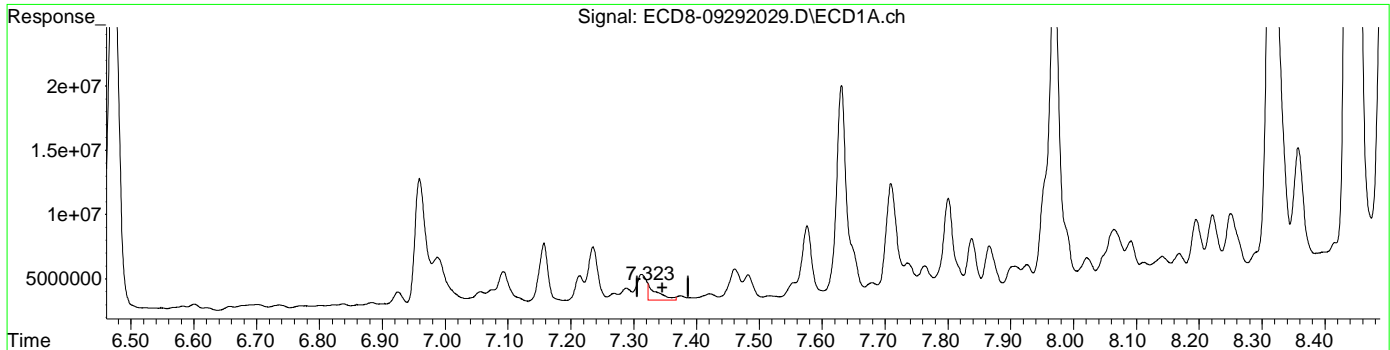
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.323min 0.317 ng/mL m
response 1294140

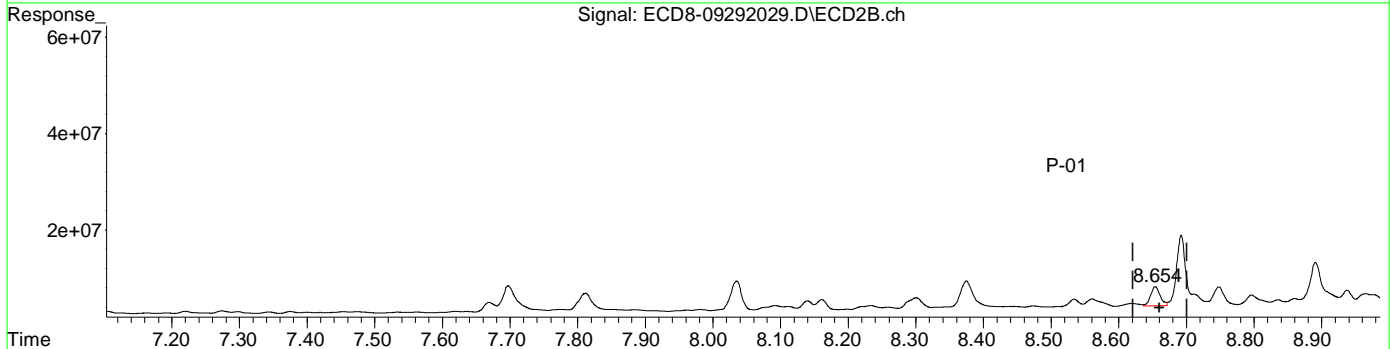
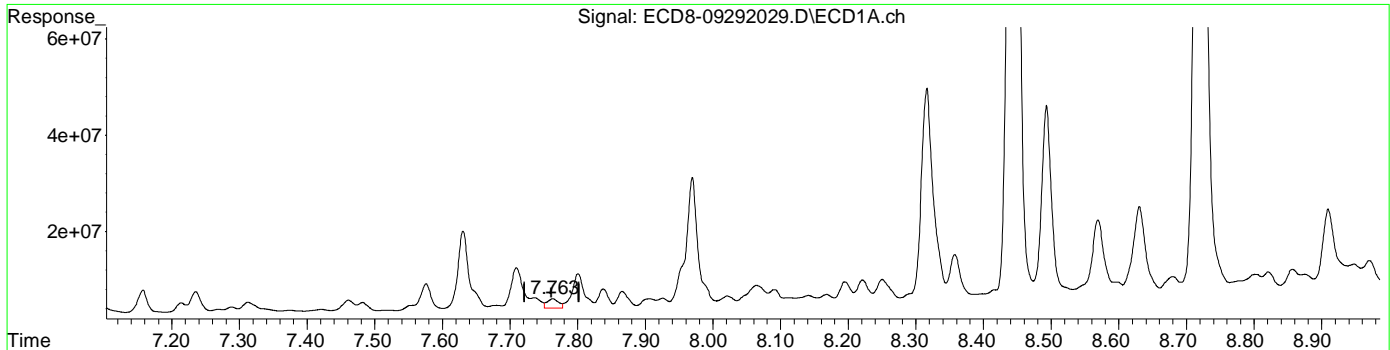
MJB 9/30/20

(12) 4,4'-DDE #2
8.233min 0.317 ng/mL m
response 1025457

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

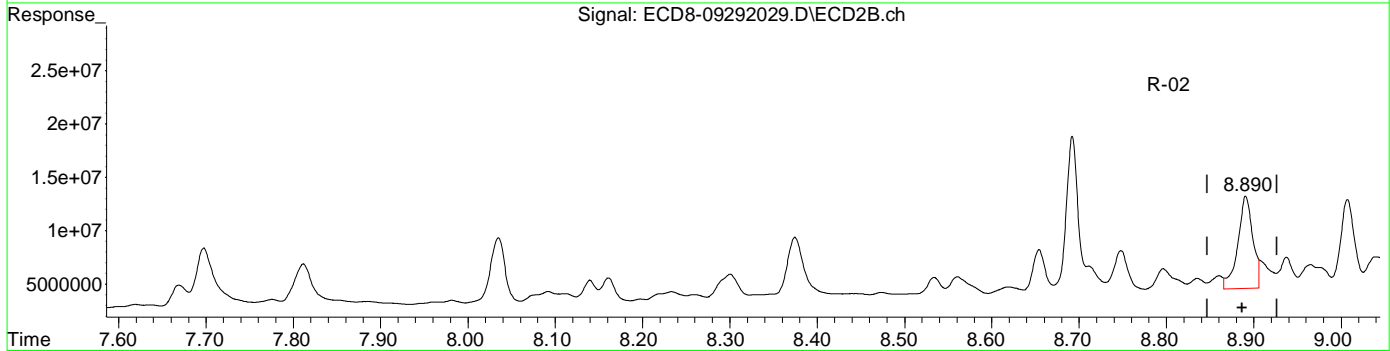
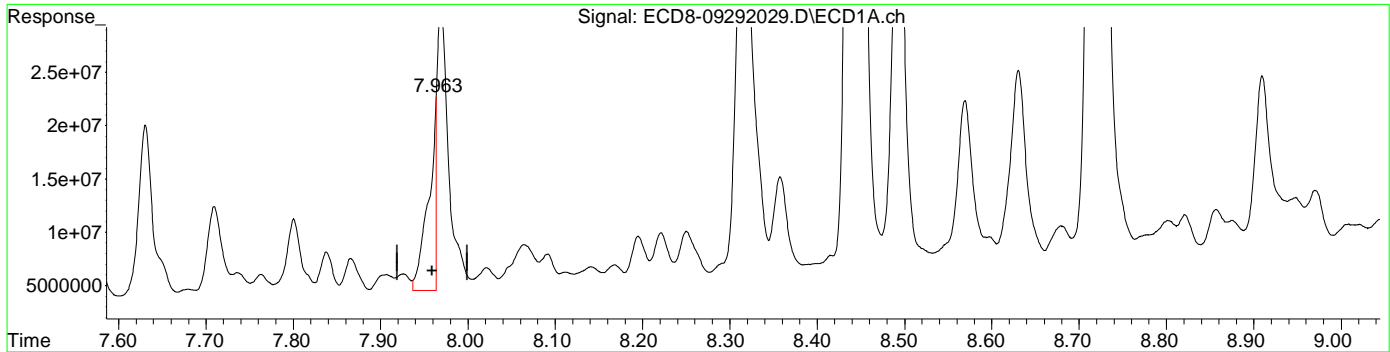
(15) 4,4'-DDD	7.763min	0.575 ng/mL	response 1921911
(15) 4,4'-DDD #2	8.654min	1.400 ng/mL	response 3988279

MJB 9/30/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.963min 5.646 ng/mL m
response 17444473

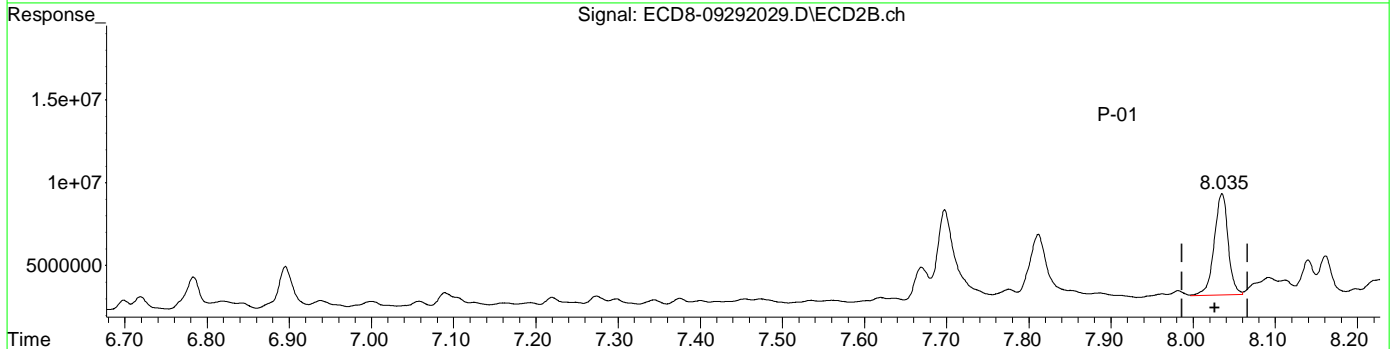
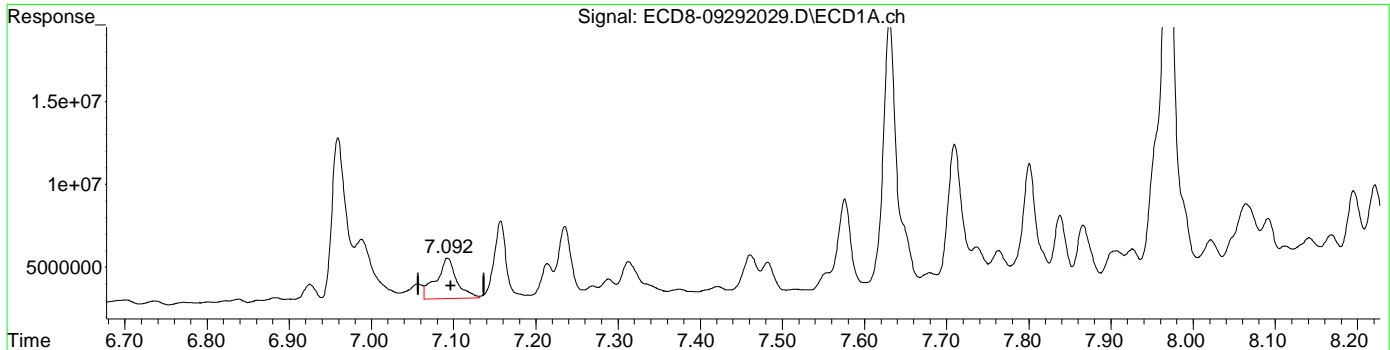
MJB 9/30/20

(17) 4,4'-DDT #2
8.890min 3.344 ng/mL m
response 8692731

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



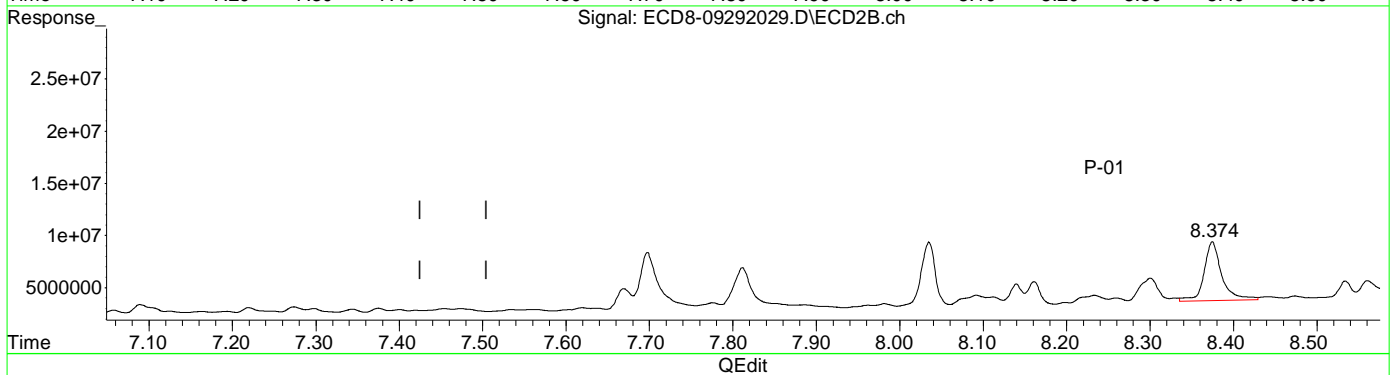
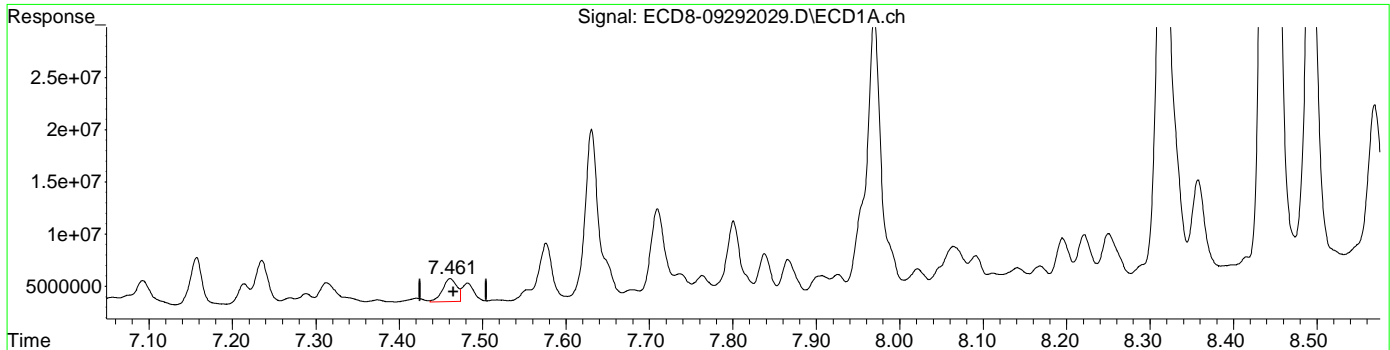
QEdit

(26) 2,4'-DDE	
7.093min 0.783 ng/mL	
response 2461534	
<i>MJB 9/30/20</i>	
(26) 2,4'-DDE #2	
8.035min 2.570 ng/mL	
response 6125397	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.461min 0.794 ng/mL
response 2208518

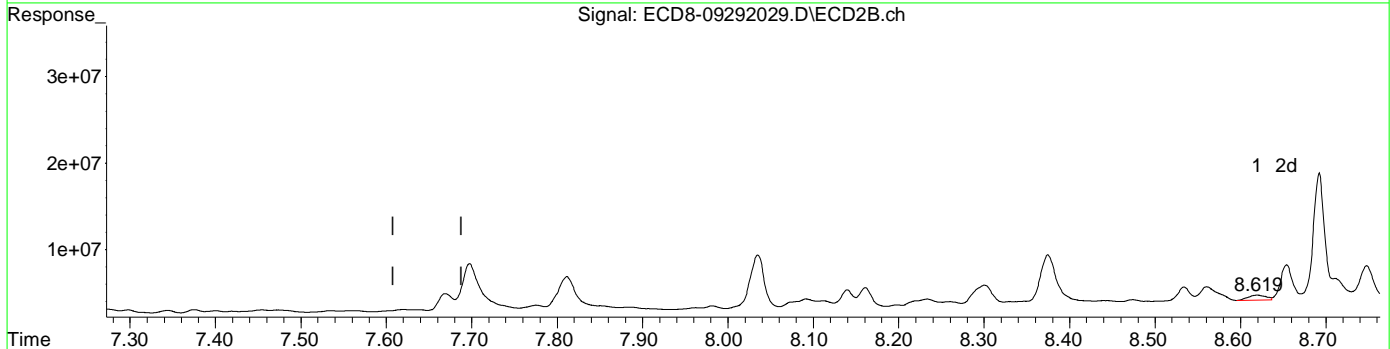
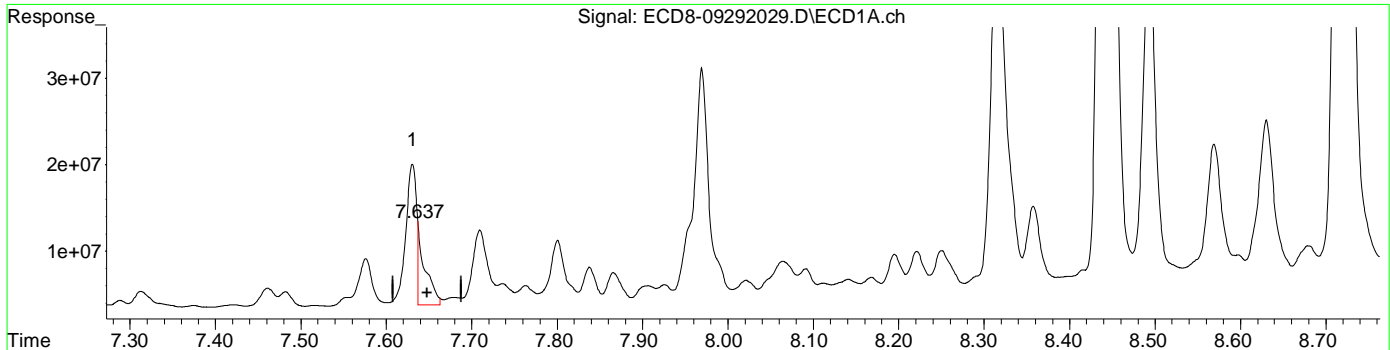
MJB 9/30/20

(28) 2,4'-DDD #2
8.375min 2.688 ng/mL
response 5647067

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(29) 2,4'-DDT
7.637min 3.986 ng/mL m
response 9667595

MJB 9/30/20

(29) 2,4'-DDT #2
8.620min 0.070 ng/mL
response 544544

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 19:25
 Operator : MJB
 Sample : A0I0556-43RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:26:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.165	5.902	34967169	35173508	9.369	10.020
22) S DCBP (S)	9.343	10.427	38152962	42387025	12.381	20.069 #
Target Compounds						
2) a-BHC	5.704	6.499	1259638	326234	0.256	0.115 #
3) g-BHC	6.000	6.819	217180	578700	0.049	0.149 #
4) b-BHC	6.054	6.895	776574	2602236	0.391	1.380 #
5) Heptachlor	6.396	7.194	4980381	220554	1.176	0.024 #
6) d-BHC	6.184	7.125	2806706	281686	0.680	0.106 #
7) Aldrin	6.621	7.454	200075	297558	0.046	0.072 #
8) Heptachlo...	7.093	7.886	2461534	321991	0.608	0.088 #
9) trans-Chl...	7.157f	8.035	4613207	6125397	1.115	1.653 #
10) cis-Chlor...	7.269	8.140	563296	1969248	0.137	0.555 #
11) Endosulfa...	7.374	8.198	261648	135002	0.069	0.041 #
12) 4,4'-DDE	7.374f	8.260	261648	416770	0.064	0.140 #
13) Dieldrin	7.517f	8.375	92344	5647067	0.022	1.535 #
14) Endrin	7.710	8.620	8438076	544544	2.791	0.191 #
15) 4,4'-DDD	7.763	8.654	1921911	3988279	0.575	1.400 #
16) Endosulfa...	7.866	8.748	3232659	3724356	1.000	1.269 #
17) 4,4'-DDT	7.970	8.891	26681953	8629164	8.635	3.320 #
18) Endrin Al...	8.141	9.008	1894038	8100416	0.575	2.845 #
19) Endosulfa...	8.445	9.200	196.8E6	33454542	67.942	13.714 #
20) Methoxychlor	8.316	9.353	44469288	2290241	29.343	1.545 #
21) Endrin Ke...	8.631	9.580	19310356	16695670	8.354	9.896
23) Hexachlor...	2.948	3.610	331034	282929	BelowCal	BelowCal
24) Hexachlor...	5.567	6.382	783832	1991253	BelowCal	0.376
25) Oxychlorane	6.988f	7.812	3708959	3912799	0.901	1.124
26) 2,4'-DDE	7.093	8.035	2461534	6125397	0.783	2.570 #
27) trans-Non...	7.269	8.092	563296	987509	BelowCal	0.057
28) 2,4'-DDD	7.461	8.375f	2208518	5647067	0.794	2.688 #
29) 2,4'-DDT	7.631	8.620	16235254	544544	6.812	0.070 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 19:25
 Operator : MJB
 Sample : A0I0556-43RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:26:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

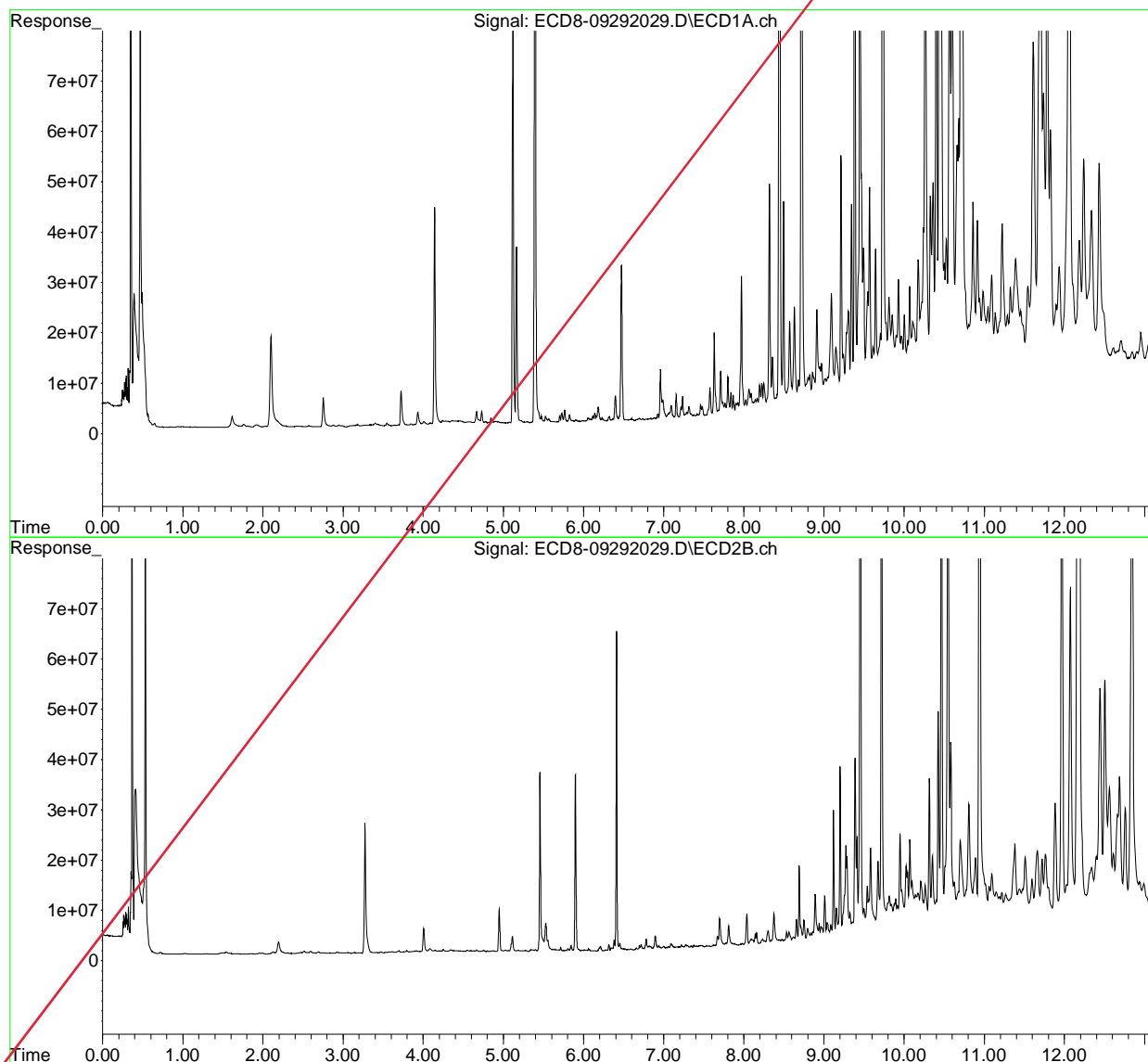
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.736	8.654	2185980	3988279	0.355	0.955 #
31)	Mirex	8.358f	9.580	9871175	16695670	3.490	7.477 #
32)	Chlordane...	7.421	8.233	348197	772884	0.770	1.749 #
33)	Chlordane...	7.517	8.330	92344	298583	0.168	0.802 #
34)	Chlordane...	8.065	9.008	4103969	8100416	28.296	66.141 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.313	8.444f	1969054	261899	114.467	8.662 #
37)	Toxaphene...	7.631f	8.748f	16235254	3724356	498.725	94.775 #
38)	Toxaphene...	7.907	8.796	1618404	1984473	21.479	31.382 #
39)	Toxaphene...	8.168	8.880	2040594	1209297	25.647	6.150 #
40)	Toxaphene...	8.358f	9.040	9871175	2680272	176.741	47.208 #
41)	Toxaphene...	8.445	9.411	196.8E6	19292936	2559.739	297.971 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 19:25
Operator : MJB
Sample : A0I0556-43RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:26:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 20:02
 Operator : MJB
 Sample : A0I0556-44RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

R-04

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:33:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 9/30/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.165	5.901	42697691	42391389	11.440	12.076
22) S DCBP (S)	9.341	10.424	37721218	34251413	12.238	16.228 #
Target Compounds						
2) a-BHC	5.703	6.500	1742199	243452	0.354	0.096 #
3) g-BHC	5.994	6.782f	485302	106.2E6	0.110	26.276 #
4) b-BHC	6.066	6.894	1522770	1496055	0.767	0.794
5) Heptachlor	6.392	7.189	10090365	178926	2.383	0.013 #
6) d-BHC	6.182	7.162f	2072105	269175	0.502	0.103 #
7) Aldrin	6.622	7.467	156752	184636	0.036	0.041
8) Heptachlo...	7.088	7.886	1098278	263105	0.271	0.072 #
9) trans-Chl...	7.181	8.030	116812	2200867	0.028	0.594 #
10) cis-Chlor...	7.285	8.138	628580	405685	0.153	0.114 #
11) Endosulfa...	7.373	8.216f	214794	249008	0.057	0.075 #
12) 4,4'-DDE	7.334	8.232	491022	377428	0.120	0.128m
13) Dieldrin	7.511f	8.370	122176	7298626	0.029	1.985 #
14) Endrin	7.704	8.620	10986963	532112	3.634	0.186 #
15) 4,4'-DDD	7.753	8.653	911821	1693307	0.273	0.599 #
16) Endosulfa...	7.865	8.747	837914	1682712	0.259	0.574 #
17) 4,4'-DDT	7.967	8.891	8510291	3252489	2.754	1.247 # MDL=MRL
18) Endrin Al...	8.136	9.006	908235	2547912	0.276	0.895 #
19) Endosulfa...	8.439	9.198	63207065	11110098	21.823	4.591 #
20) Methoxychlor	8.312	9.384	16864462	12581594	11.128	8.485
21) Endrin Ke...	8.631	9.578	22522171	6271831	9.744	3.700 #
23) Hexachlor...	2.948	3.610	391525	480682	BelowCal	BelowCal
24) Hexachlor...	5.542	6.358	1182350	424255	0.103	BelowCal #
25) Oxychlorane	6.981f	7.810	2979990	3284950	0.688	0.906 #
26) 2,4'-DDE	7.088	8.030	1098278	2200867	0.250	0.794 #
27) trans-Non...	7.257	8.087	504808	1264177	BelowCal	0.144
28) 2,4'-DDD	7.460	8.370f	1430753	7298626	0.445	3.532 # P-01
29) 2,4'-DDT	7.635	8.620	3290491	532112	1.237m	0.064 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 20:02
 Operator : MJB
 Sample : A0I0556-44RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:33:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

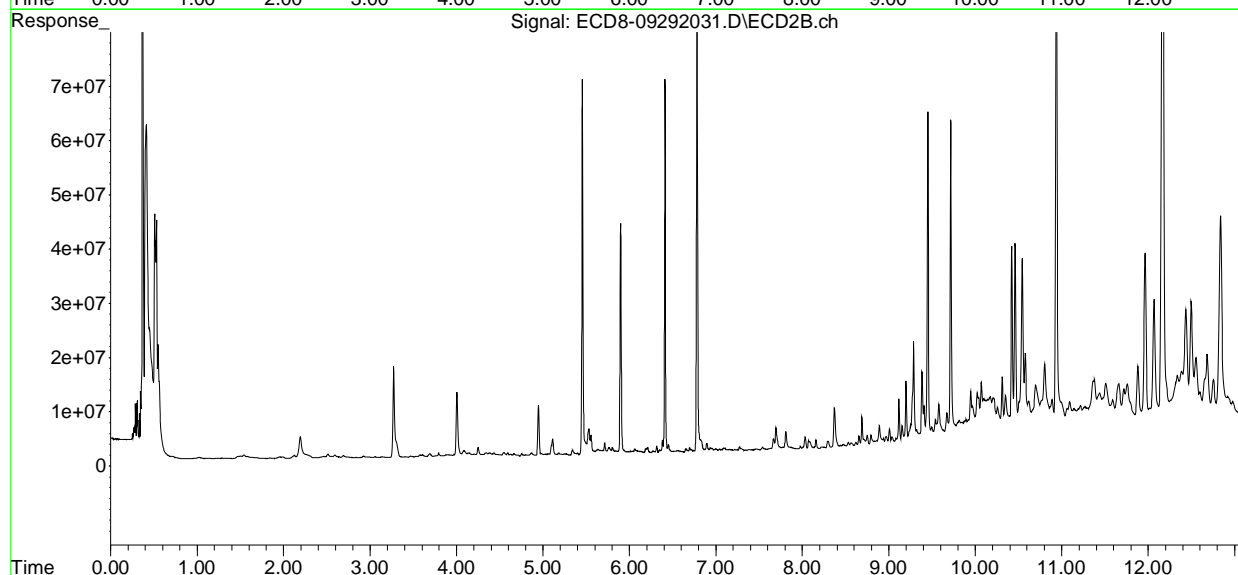
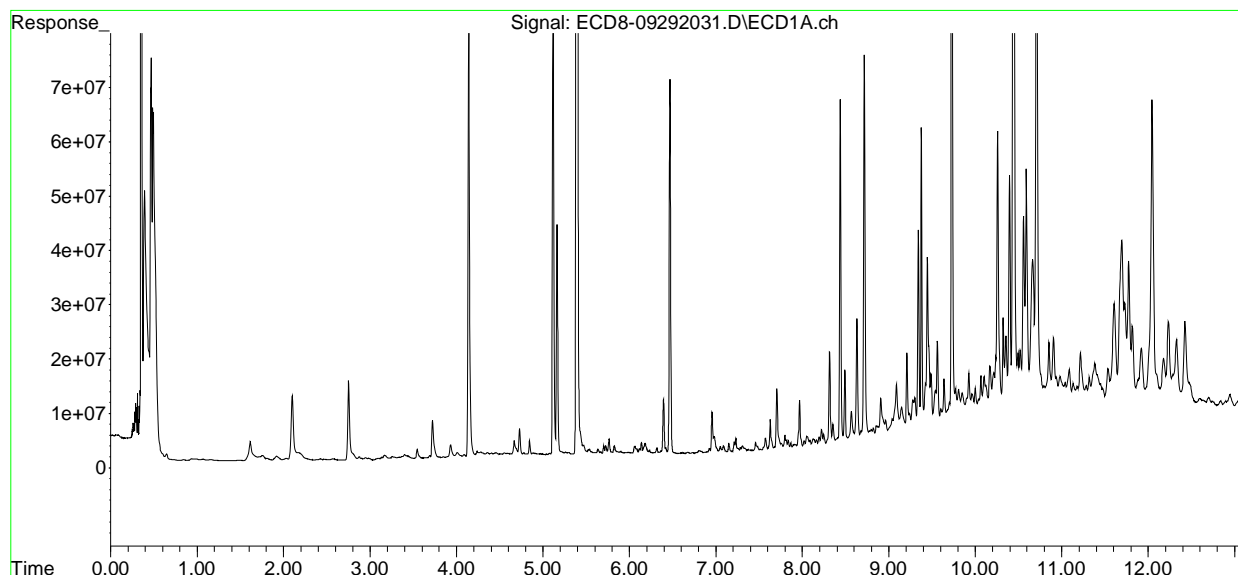
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.753	8.653	911821	1693307	0.041	0.302 #
31)	Mirex	8.410	9.578	1053844	6271831	0.116	2.562 #
32)	Chlordane...	7.406f	8.232	92654	249225	0.205	0.564 #
33)	Chlordane...	7.511	8.370f	122176	7298626	0.222	19.608 #
34)	Chlordane...	8.089	9.006	959131	2547912	6.613	14.171 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.306	8.447f	972296	276227	56.522	9.135 #
37)	Toxaphene...	7.629f	8.747f	5480631	1682712	165.844	42.820 #
38)	Toxaphene...	7.908	8.795	495920	1648584	6.582	26.070 #
39)	Toxaphene...	8.165	8.860	901928	550314	8.561	BelowCal #
40)	Toxaphene...	8.354f	9.035	3501958	1027356	62.702	18.095 #
41)	Toxaphene...	8.439	9.407	63207065	6272970	822.188	96.883 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:02
Operator : MJB
Sample : A0I0556-44RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

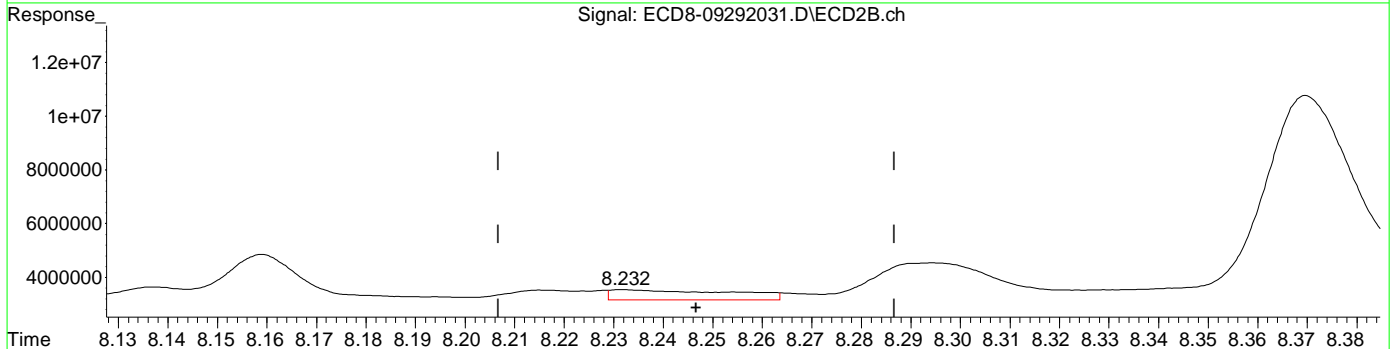
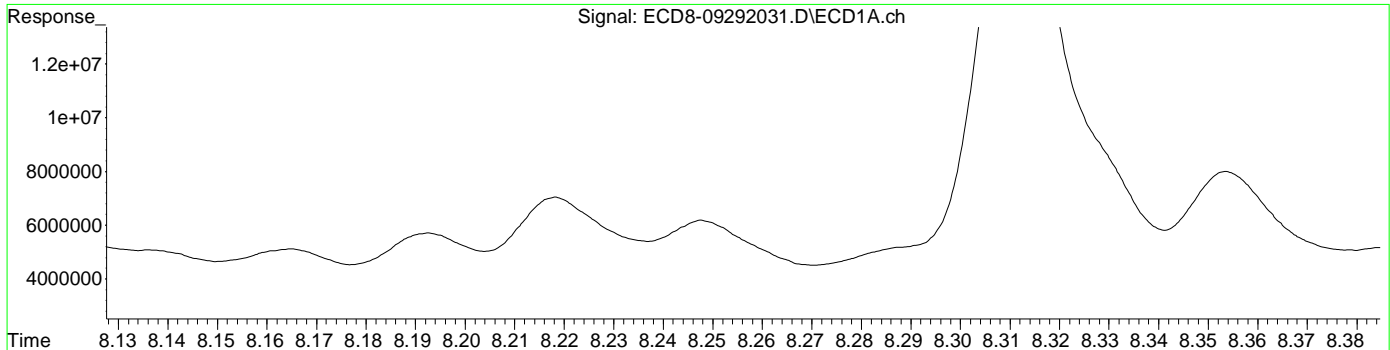
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:33:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:02
Operator : MJB
Sample : A0I0556-44RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:33:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.334min 0.120 ng/mL
response 491022

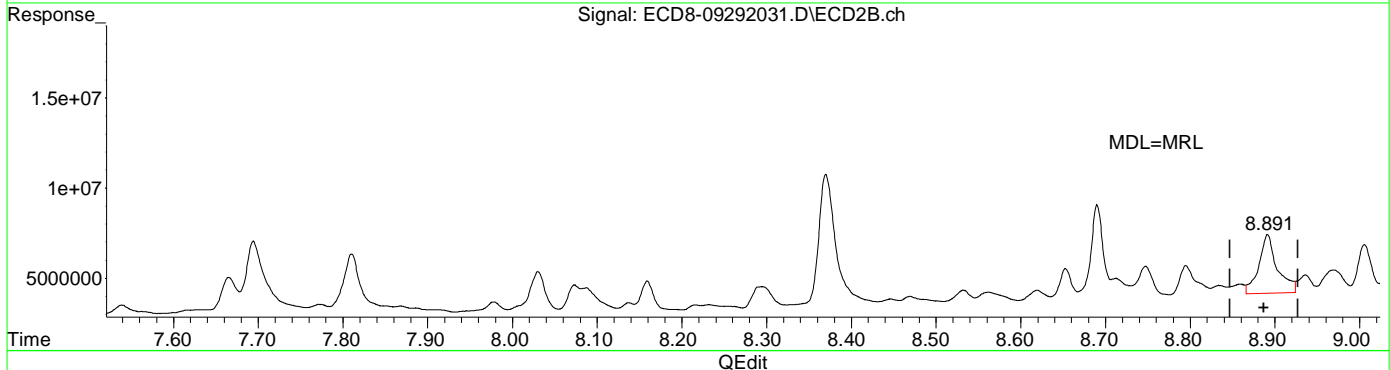
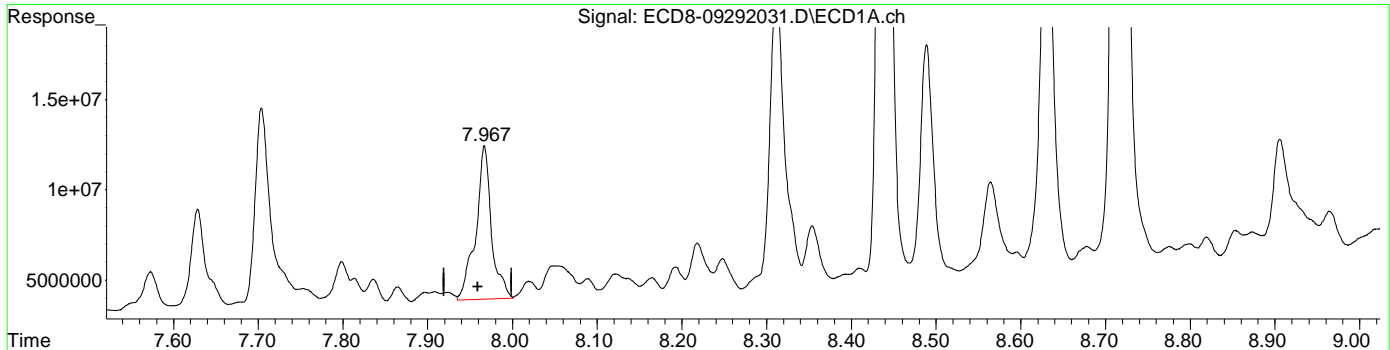
MJB 9/30/20

(12) 4,4'-DDE #2
8.232min 0.128 ng/mL m
response 377428

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:02
Operator : MJB
Sample : A0I0556-44RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:33:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.967min 2.754 ng/mL
response 8510291

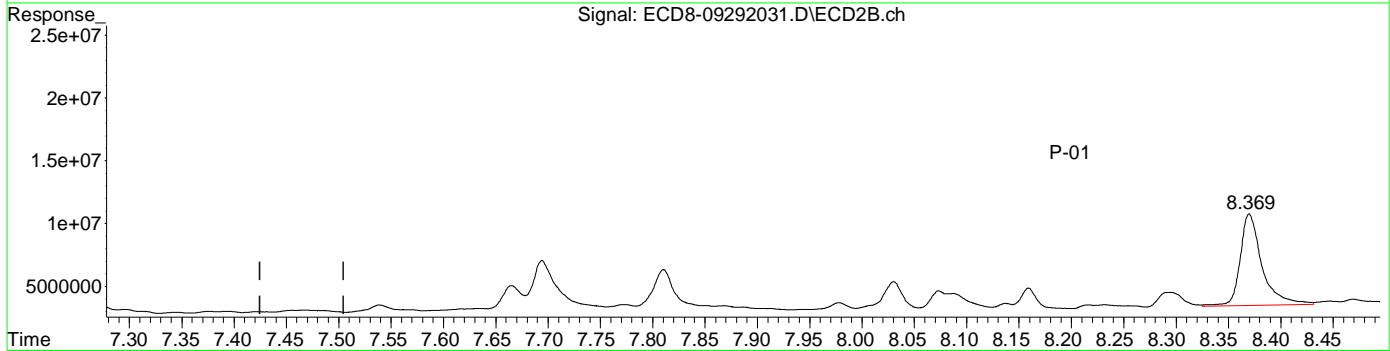
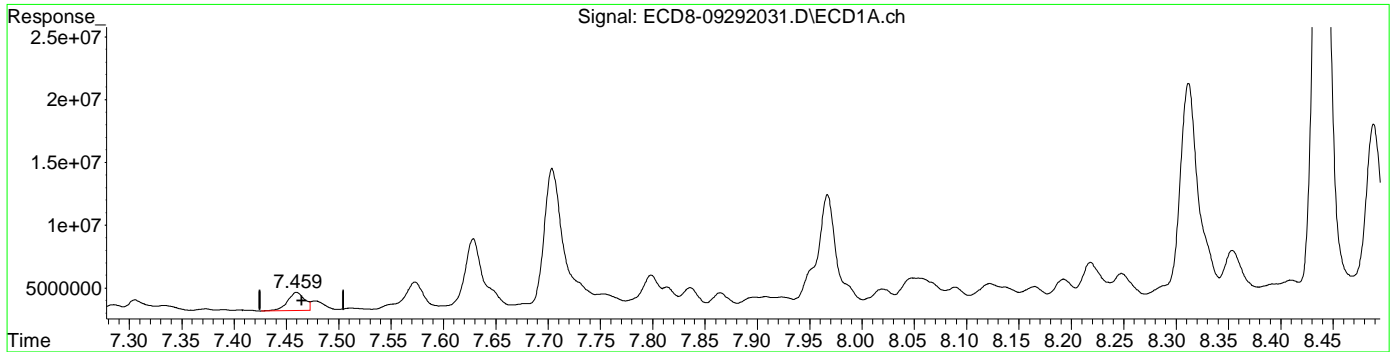
MJB 9/30/20

(17) 4,4'-DDT #2
8.891min 1.247 ng/mL
response 3252489

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:02
Operator : MJB
Sample : A0I0556-44RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:33:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(28) 2,4'-DDD
7.460min 0.445 ng/mL
response 1430753

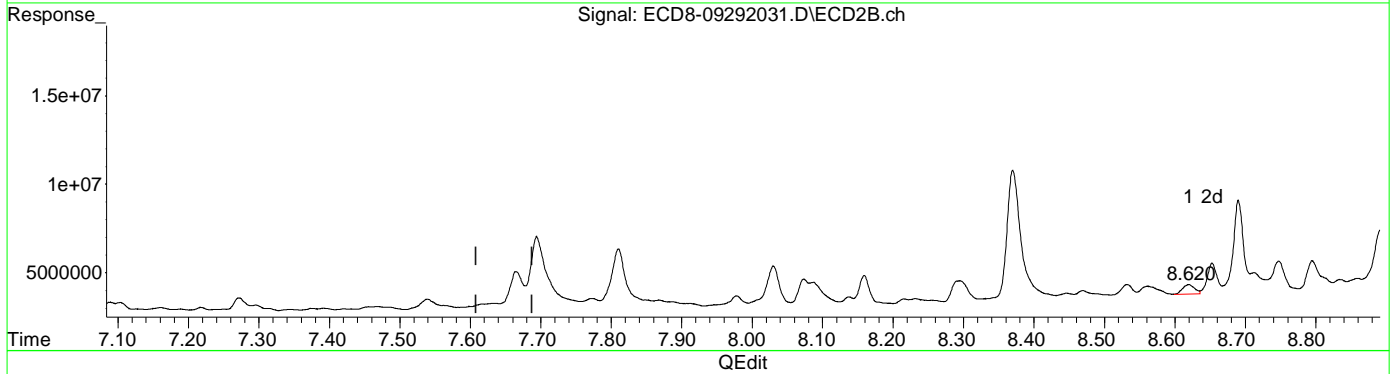
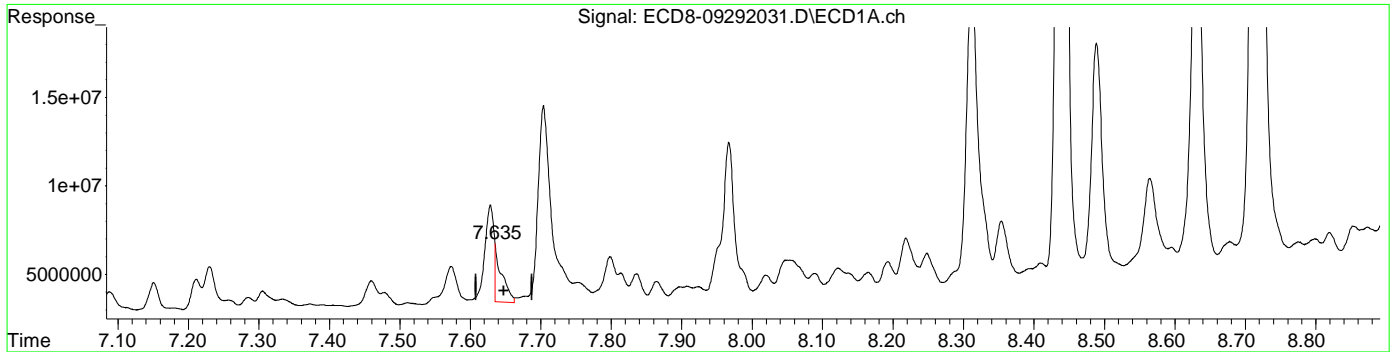
MJB 9/30/20

(28) 2,4'-DDD #2
8.370min 3.532 ng/mL
response 7298626

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:02
Operator : MJB
Sample : A0I0556-44RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:33:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.635min 1.237 ng/mL m
response 3290491

MJB 9/30/20

(29) 2,4'-DDT #2
8.620min 0.064 ng/mL
response 532112

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 20:02
 Operator : MJB
 Sample : A0I0556-44RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:33:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.165	5.901	42697691	42391389	11.440	12.076
22) S DCBP (S)	9.341	10.424	37721218	34251413	12.238	16.228 #
Target Compounds						
2) a-BHC	5.703	6.500	1742199	243452	0.354	0.096 #
3) g-BHC	5.994	6.782f	485302	106.2E6	0.110	26.276 #
4) b-BHC	6.066	6.894	1522770	1496055	0.767	0.794
5) Heptachlor	6.392	7.189	10090365	178926	2.383	0.013 #
6) d-BHC	6.182	7.162f	2072105	269175	0.502	0.103 #
7) Aldrin	6.622	7.467	156752	184636	0.036	0.041
8) Heptachlo...	7.088	7.886	1098278	263105	0.271	0.072 #
9) trans-Chl...	7.181	8.030	116812	2200867	0.028	0.594 #
10) cis-Chlor...	7.285	8.138	628580	405685	0.153	0.114 #
11) Endosulfa...	7.373	8.216f	214794	249008	0.057	0.075 #
12) 4,4'-DDE	7.334	8.255	491022	131740	0.120	0.057 #
13) Dieldrin	7.511f	8.370	122176	7298626	0.029	1.985 #
14) Endrin	7.704	8.620	10986963	532112	3.634	0.186 #
15) 4,4'-DDD	7.753	8.653	911821	1693307	0.273	0.599 #
16) Endosulfa...	7.865	8.747	837914	1682712	0.259	0.574 #
17) 4,4'-DDT	7.967	8.891	8510291	3252489	2.754	1.247 #
18) Endrin Al...	8.136	9.006	908235	2547912	0.276	0.895 #
19) Endosulfa...	8.439	9.198	63207065	11110098	21.823	4.591 #
20) Methoxychlor	8.312	9.384	16864462	12581594	11.128	8.485
21) Endrin Ke...	8.631	9.578	22522171	6271831	9.744	3.700 #
23) Hexachlor...	2.948	3.610	391525	480682	BelowCal	BelowCal
24) Hexachlor...	5.542	6.358	1182350	424255	0.103	BelowCal #
25) Oxychlorane	6.981f	7.810	2979990	3284950	0.688	0.906 #
26) 2,4'-DDE	7.088	8.030	1098278	2200867	0.250	0.794 #
27) trans-Non...	7.257	8.087	504808	1264177	BelowCal	0.144
28) 2,4'-DDD	7.460	8.370f	1430753	7298626	0.445	3.532 #
29) 2,4'-DDT	7.629	8.620	5480631	532112	2.182	0.064 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 20:02
 Operator : MJB
 Sample : A0I0556-44RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:33:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

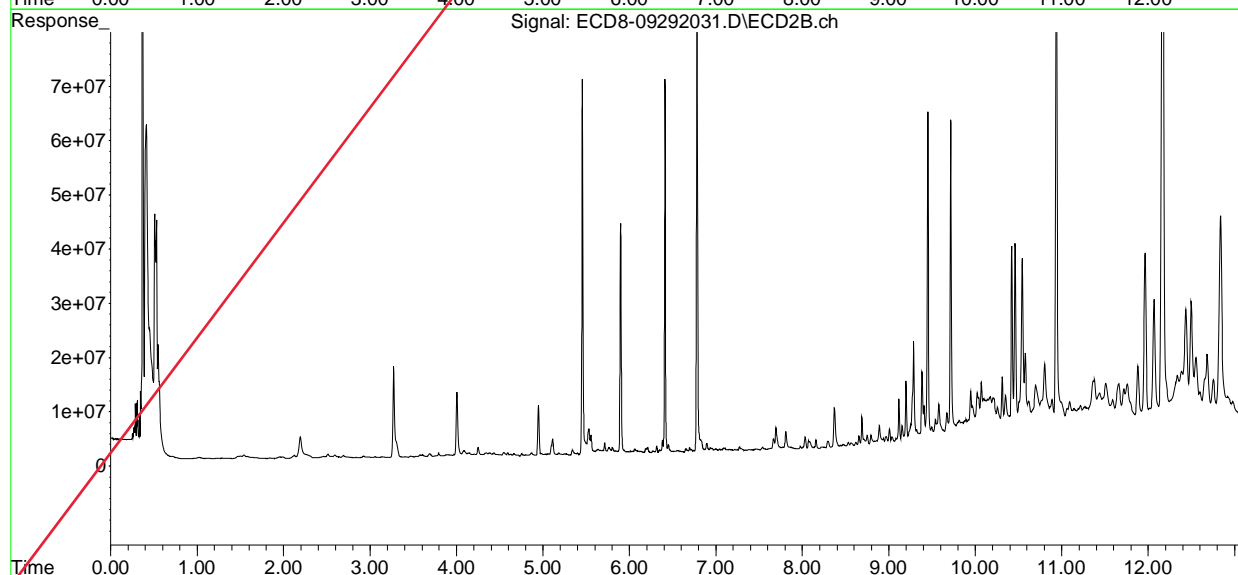
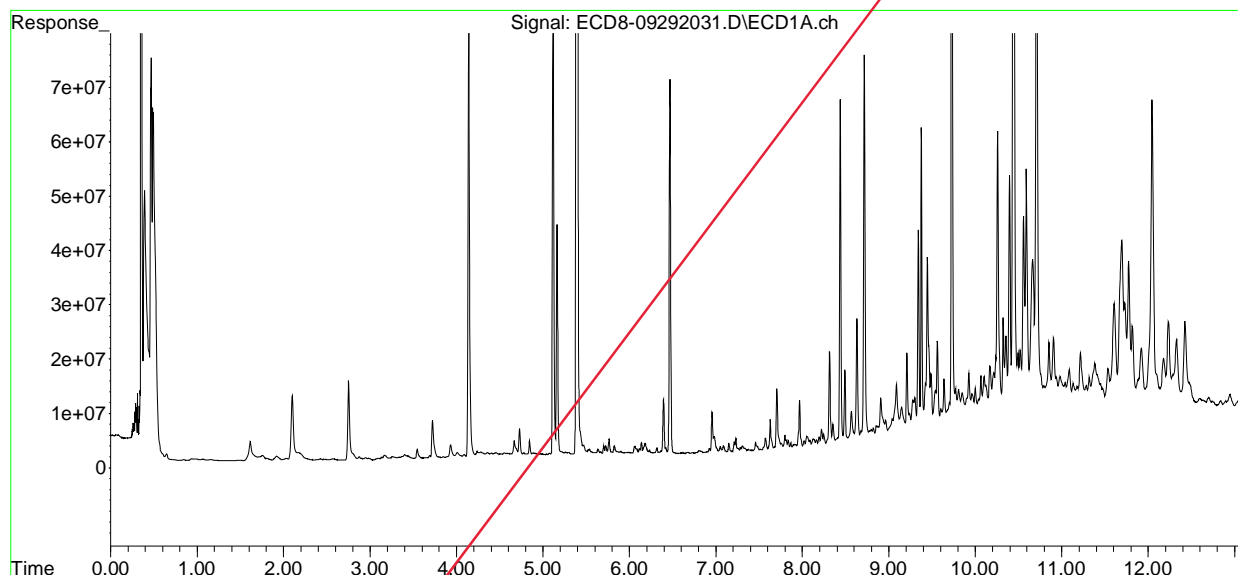
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.753	8.653	911821	1693307	0.041	0.302 #
31)	Mirex	8.410	9.578	1053844	6271831	0.116	2.562 #
32)	Chlordane...	7.406f	8.232	92654	249225	0.205	0.564 #
33)	Chlordane...	7.511	8.370f	122176	7298626	0.222	19.608 #
34)	Chlordane...	8.089	9.006	959131	2547912	6.613	14.171 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.306	8.447f	972296	276227	56.522	9.135 #
37)	Toxaphene...	7.629f	8.747f	5480631	1682712	165.844	42.820 #
38)	Toxaphene...	7.908	8.795	495920	1648584	6.582	26.070 #
39)	Toxaphene...	8.165	8.860	901928	550314	8.561	BelowCal #
40)	Toxaphene...	8.354f	9.035	3501958	1027356	62.702	18.095 #
41)	Toxaphene...	8.439	9.407	63207065	6272970	822.188	96.883 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:02
Operator : MJB
Sample : A0I0556-44RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:33:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 20:39
 Operator : MJB
 Sample : A0I0556-45RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 26 Sample Multiplier: 1

R-04

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:37:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.164	5.900	32880331	31953311	8.809	9.103
22) S DCBP (S)	9.341	10.423	29378989	26219065	9.483	12.408 #
Target Compounds						
2) a-BHC	5.703	6.500	1514632	240793	0.308	0.095 #
3) g-BHC	5.993	6.815	298399	340320	0.067	0.087 #
4) b-BHC	6.051	6.895	752869	638144	0.379	0.338
5) Heptachlor	6.393	7.189	3726198	141232	0.880	0.003 #
6) d-BHC	6.183	7.129	913755	199071	0.222	0.085 #
7) Aldrin	6.631	7.465	473041	207265	0.108	0.048 #
8) Heptachlo...	7.090	7.906	629938	125987	0.156	0.034 #
9) trans-Chl...	7.150f	8.030	1070616	1374847	0.259	0.371 #
10) cis-Chlor...	7.288	8.136	327049	240775	0.080	0.068
11) Endosulfa...	7.370	8.216f	145772	299764	0.039	0.090 #
12) 4,4'-DDE	7.338	8.246	337769	253831	0.083	0.092
13) Dieldrin	7.547	8.372	461901	2756617	0.109	0.750 #
14) Endrin	7.705	8.620	5017171	741569	1.659	0.273 #
15) 4,4'-DDD	7.733f	8.652	1465861	1226729	0.439	0.436
16) Endosulfa...	7.864	8.748	627594	1378645	0.194	0.470 #
17) 4,4'-DDT	7.967	8.890	5243579	2709859	1.697	1.037 # MDL=MRL
18) Endrin Al...	8.123	9.006	985704	1748671	0.299	0.614 #
19) Endosulfa...	8.439	9.198	40174821	7150649	13.871	2.946 #
20) Methoxychlor	8.311	9.384	10193541	7981948	6.726	5.383
21) Endrin Ke...	8.631	9.578	21241621	4301724	9.190	2.510 #
23) Hexachlor...	2.948	3.611	368248	555111	BelowCal	BelowCal
24) Hexachlor...	5.542	6.381	697847	2386505	BelowCal	0.496
25) Oxychlorane	6.984f	7.811	1544210	2297803	0.267	0.563 #
26) 2,4'-DDE	7.090	8.030	629938	1374847	0.067	0.419 #
27) trans-Non...	7.254	8.089	464320	668411	BelowCal	BelowCal
28) 2,4'-DDD	7.460	8.372f	1051701	2756617	0.276	1.206 # P-01
29) 2,4'-DDT	7.628f	8.620	3557043	741569	1.352	0.168 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 20:39
 Operator : MJB
 Sample : A0I0556-45RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:37:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

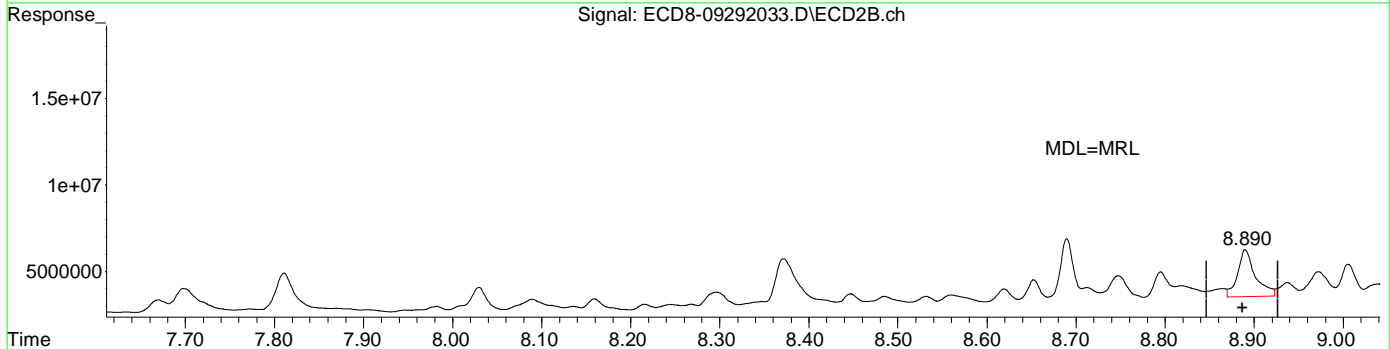
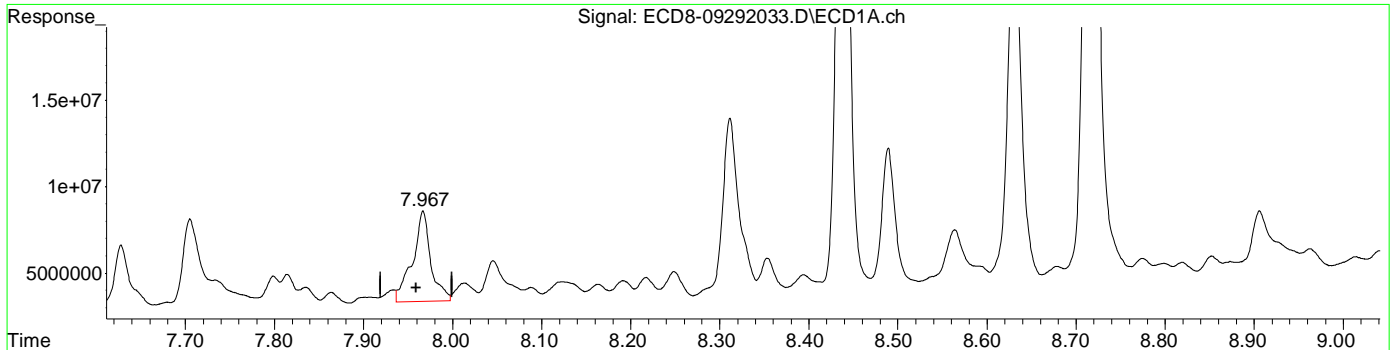
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.733	8.652	1465861	1226729	0.177	0.169
31)	Mirex	8.394	9.578	1032913	4301724	0.108	1.629 #
32)	Chlordane...	7.415	8.216	166265	299764	0.368	0.678 #
33)	Chlordane...	7.513	8.296f	78733	920029	0.143	2.472 #
34)	Chlordane...	8.088	9.006	683384	1748671	4.712	6.640 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.307	8.447f	440183	650440	25.589	21.511
37)	Toxaphene...	7.628	8.748f	3557043	1378645	106.492	35.083 #
38)	Toxaphene...	7.908	8.795	323949	1545931	4.299	24.447 #
39)	Toxaphene...	8.164	8.864	768161	485252	6.552	BelowCal #
40)	Toxaphene...	8.394	9.042	1032913	572253	18.494	10.079 #
41)	Toxaphene...	8.439	9.408	40174821	3787056	522.588	58.489 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:39
Operator : MJB
Sample : A0I0556-45RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:37:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



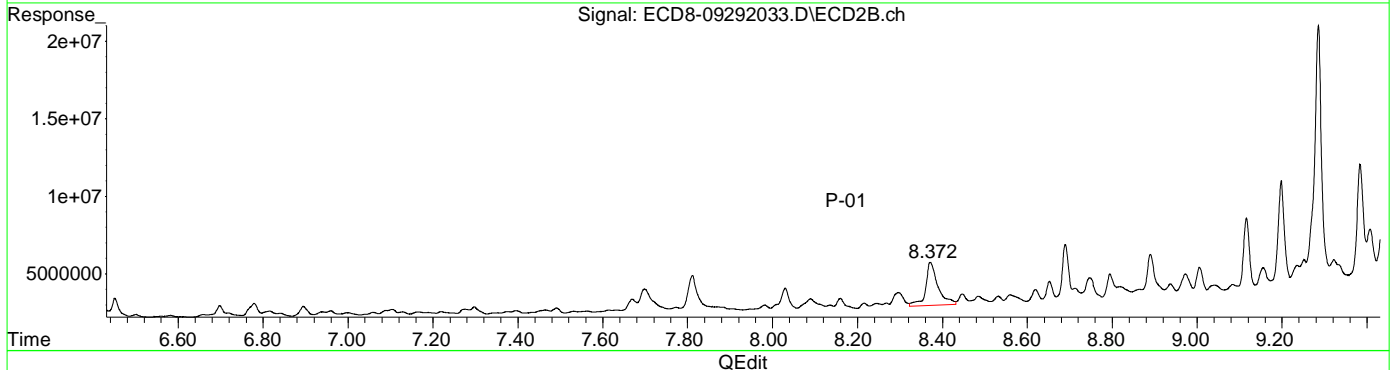
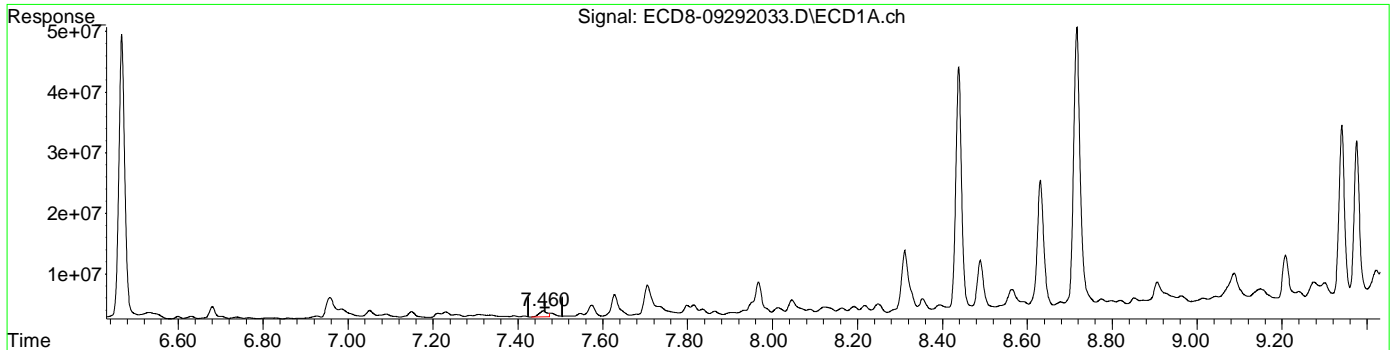
QEdit

(17) 4,4'-DDT	
7.967min 1.697 ng/mL	
response 5243579	MJB 9/30/20
(17) 4,4'-DDT #2	
8.890min 1.037 ng/mL	
response 2709859	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:39
Operator : MJB
Sample : A0I0556-45RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:37:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.460min 0.276 ng/mL
response 1051701

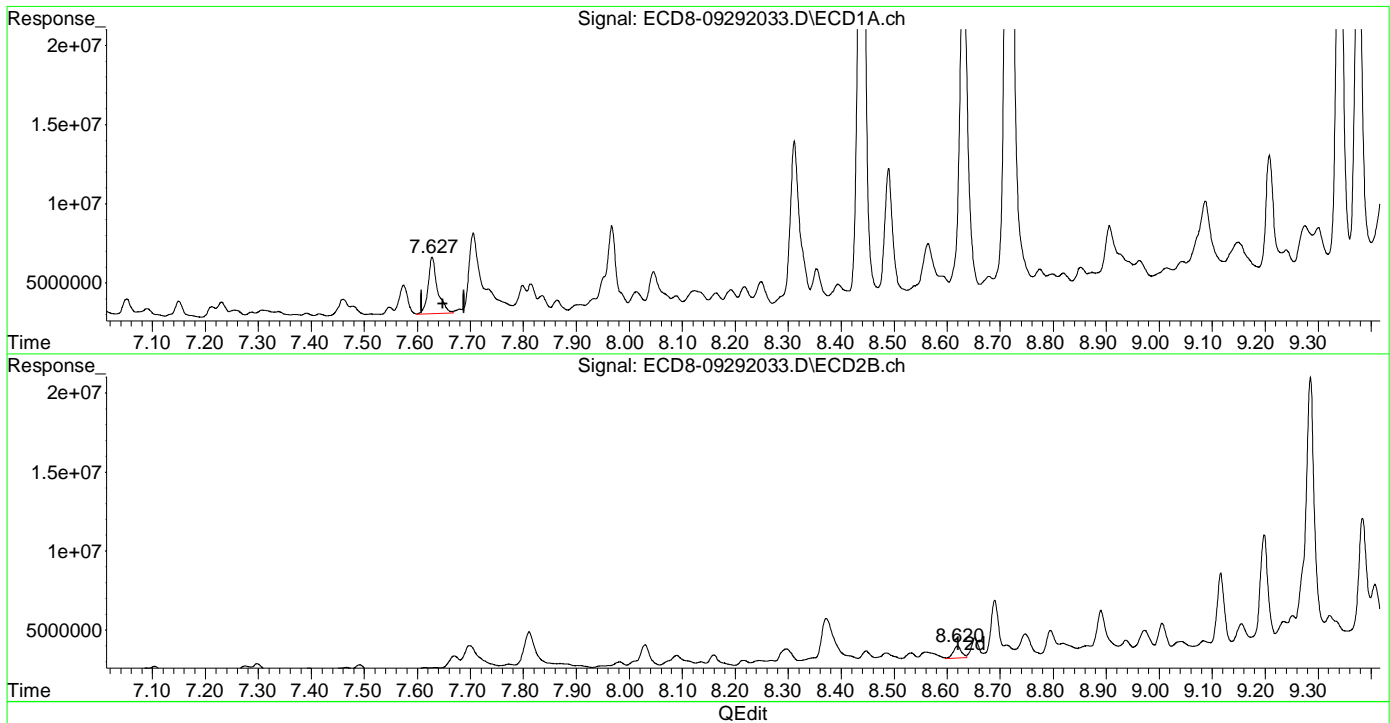
MJB 9/30/20

(28) 2,4'-DDD #2
8.372min 1.206 ng/mL
response 2756617

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:39
Operator : MJB
Sample : A0I0556-45RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:37:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.628min 1.352 ng/mL
response 3557043

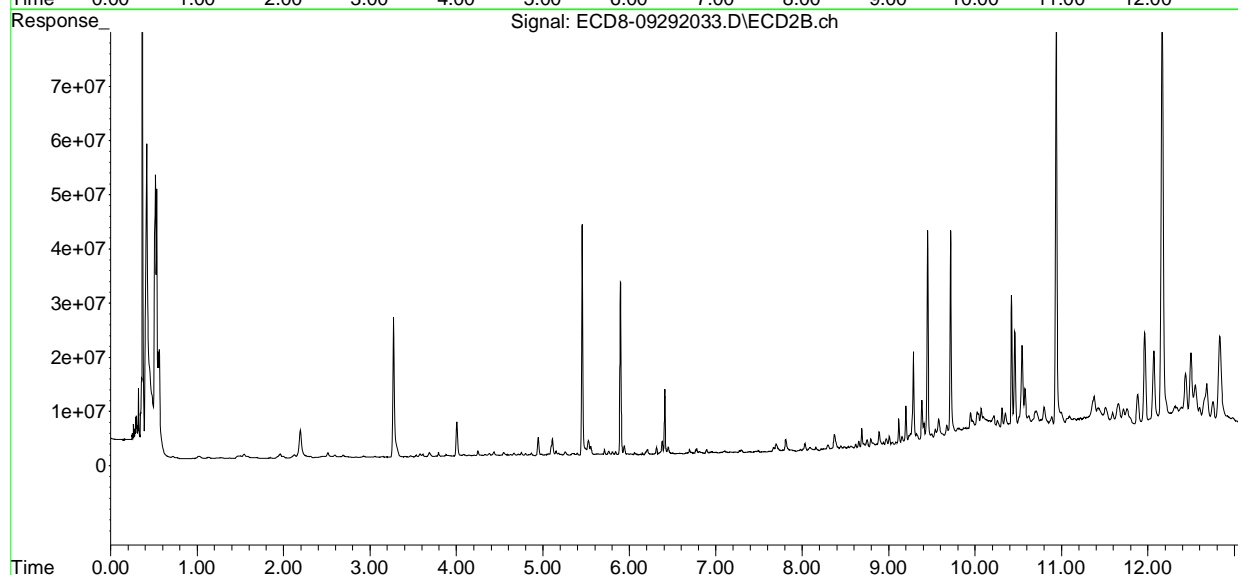
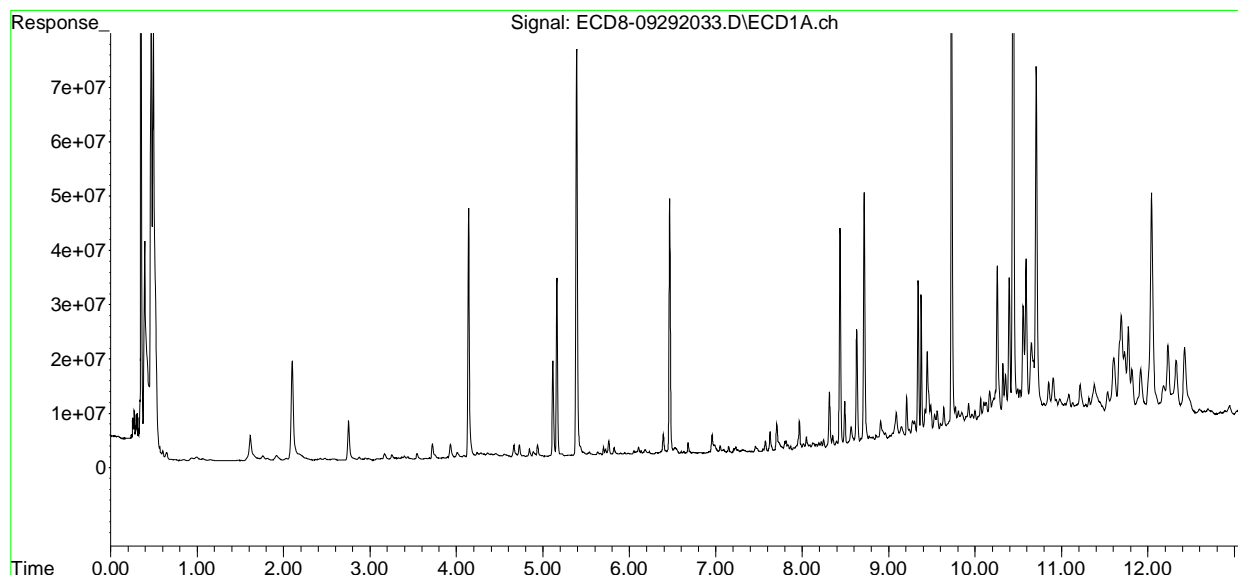
MJB 9/30/20

(29) 2,4'-DDT #2
8.620min 0.168 ng/mL
response 741569

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 20:39
Operator : MJB
Sample : A0I0556-45RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:37:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 21:16
 Operator : MJB
 Sample : 0090807-MS1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

R-04

Integration File signal 1: PEST1.e MJB 9/30/20
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:41:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.163	5.900	34897791	35756745	9.350	10.186
22) S DCBP (S)	9.341	10.423	33398385	29844482	10.811	14.136 #
Target Compounds						
2) a-BHC	5.702	6.500	1578784	287893	0.321	0.106 #
3) g-BHC	5.983	6.826	437150	1624479	0.099	0.419 #
4) b-BHC	6.052	6.894	984227	1044239	0.496	0.554
5) Heptachlor	6.391	7.191	8704911	213529	2.056	0.022 #
6) d-BHC	6.182f	7.125	1590838	261379	0.386	0.101 #
7) Aldrin	6.631	7.454	874050	202443	0.200	0.046 #
8) Heptachlo...	7.091	7.868f	29440853	488684	7.270	0.133 #
9) trans-Chl...	7.150f	8.021	1320097	28172986	0.319	7.603 #
10) cis-Chlor...	7.285	8.136	656371	335633	0.160	0.095 #
11) Endosulfa...	7.391f	8.216f	493828	732235	0.131	0.221 #
12) 4,4'-DDE	7.340	8.241	48973619	45419010	11.979	12.956
13) Dieldrin	7.547	8.392	905112	27051817	0.214	7.355 #
14) Endrin	7.704	8.615	7898958	29345295	2.612	11.887 #
15) 4,4'-DDD	7.755	8.655	41565414	40170869	12.445	13.744
16) Endosulfa...	7.863	8.746	1132773	1527423	0.350	0.521 #
17) 4,4'-DDT	7.953	8.881	41369701	35434883	13.389	13.383 MDL=MRL
18) Endrin Al...	8.163f	9.005	1471852	2113838	0.447	0.743 #
19) Endosulfa...	8.438	9.198	52418493	8488548	18.098	3.503 #
20) Methoxychlor	8.311	9.384	13734260	9797002	9.062	6.607 #
21) Endrin Ke...	8.630	9.578	20218065	5446855	8.747	3.203 #
23) Hexachlor...	2.945	3.609	361928	565537	BelowCal	BelowCal
24) Hexachlor...	5.540	6.361	1187958	443214	0.105	BelowCal #
25) Oxychlordane	6.982f	7.809	2139591	3039318	0.442	0.821 #
26) 2,4'-DDE	7.091	8.021	29440853	28172986	11.312	12.394
27) trans-Non...	7.255	8.088	588369	857867	BelowCal	0.016
28) 2,4'-DDD	7.459	8.392	29229261	27051817	12.872 RPT	13.485
29) 2,4'-DDT	7.642	8.615	31588305	29345295	13.395	14.085

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 21:16
 Operator : MJB
 Sample : 0090807-MS1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:41:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

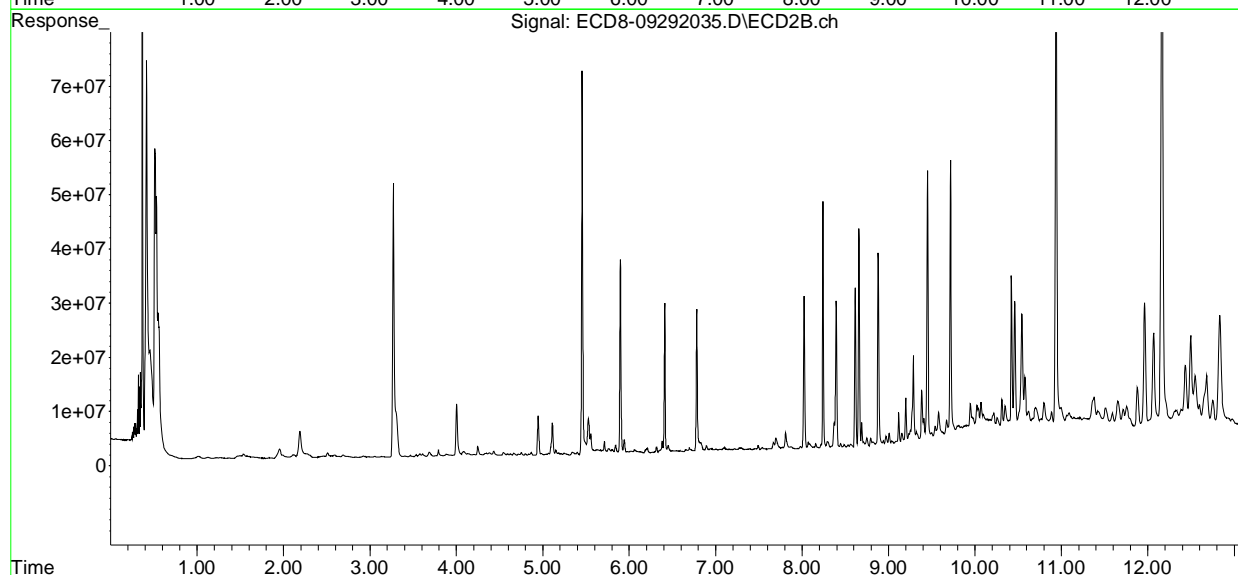
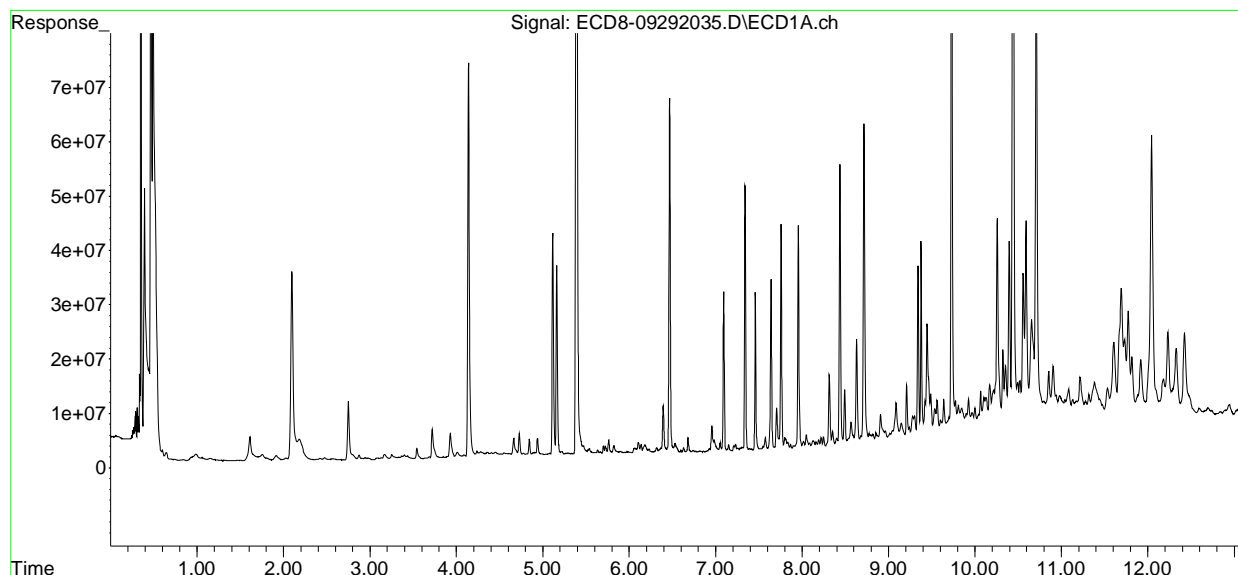
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.755f	8.655	41565414	40170869	10.044	11.122
31)	Mirex	8.395	9.578	2049085	5446855	0.497	2.172 #
32)	Chlordane...	7.414	8.216	423205	732235	0.935	1.657 #
33)	Chlordane...	7.512	8.344	424715	317003	0.772	0.852
34)	Chlordane...	8.088	9.005	1302641	2113838	8.981	10.082
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.306	8.446f	726298	676160	42.222	22.362 #
37)	Toxaphene...	7.642f	8.746f	31588305	1527423	977.053	38.869 #
38)	Toxaphene...	7.900	8.795	808175	1455310	10.726	23.014 #
39)	Toxaphene...	8.163	8.881	1471852	35434883	17.116	367.220 #
40)	Toxaphene...	8.395	9.038	2049085	647845	36.688	11.411 #
41)	Toxaphene...	8.438	9.407	52418493	4495947	681.852	69.438 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 21:16
Operator : MJB
Sample : 0090807-MS1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:41:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 21:53
 Operator : MJB
 Sample : 0I29052-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:44:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.163	5.901	162.7E6	154.8E6	43.592	44.086
22)	S DCBP (S)	9.340	10.424	144.5E6	122.2E6	47.440	56.423
Target Compounds							
2)	a-BHC	5.694	6.501	250.2E6	249.3E6	50.820	52.208
3)	g-BHC	5.974	6.817	225.4E6	225.6E6	50.968	53.415
4)	b-BHC	6.049	6.882	85260941	84421969	42.944	44.781
5)	Heptachlor	6.382	7.187	227.7E6	230.0E6	53.774	55.629
6)	d-BHC	6.196	7.134	183.1E6	187.6E6	44.400	46.231
7)	Aldrin	6.620	7.450	232.6E6	208.5E6	53.308	52.809
8)	Heptachlo...	7.077	7.886	205.2E6	199.8E6	50.677	54.588
9)	trans-Chl...	7.172	8.025	206.8E6	204.4E6	49.979	55.170
10)	cis-Chlor...	7.269	8.133	205.3E6	195.3E6	50.058	55.033
11)	Endosulfa...	7.362	8.182	205.5E6	187.4E6	54.468	56.578
12)	4,4'-DDE	7.342	8.243	180.7E6	181.0E6	44.200	48.564
13)	Dieldrin	7.533	8.383	220.8E6	205.4E6	52.218	55.860
14)	Endrin	7.695	8.608	180.8E6	161.7E6	59.780	60.627
15)	4,4'-DDD	7.758	8.656	146.3E6	148.7E6	43.805	48.106
16)	Endosulfa...	7.849	8.755	160.8E6	160.7E6	49.721	54.784
17)	4,4'-DDT	7.953	8.882	151.5E6	149.1E6	49.017	52.008
18)	Endrin Al...	8.137	8.992	129.9E6	138.8E6	39.445	48.750
19)	Endosulfa...	8.434	9.181	163.0E6	151.5E6	56.269	58.101
20)	Methoxychlor	8.296	9.361	74288725	71082256	49.019	47.938
21)	Endrin Ke...	8.625	9.579	194.2E6	179.2E6	84.007	91.236
23)	Hexachlor...	0.000	3.624	0	26808	N.D.	BelowCal
24)	Hexachlor...	5.542	6.387	408480	58280	BelowCal	BelowCal
25)	Oxychlorane	7.015	7.803	979787	91371	0.102	BelowCal #
26)	2,4'-DDE	7.077f	8.025	205.2E6	204.4E6	78.478	83.261
27)	trans-Non...	7.269	8.085	205.3E6	732322	54.360	BelowCal #
28)	2,4'-DDD	0.000	8.383	0	205.4E6	N.D.	93.802 #
29)	2,4'-DDT	7.641	8.608	557058	161.7E6	0.057	72.521 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 21:53
 Operator : MJB
 Sample : 0I29052-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:44:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

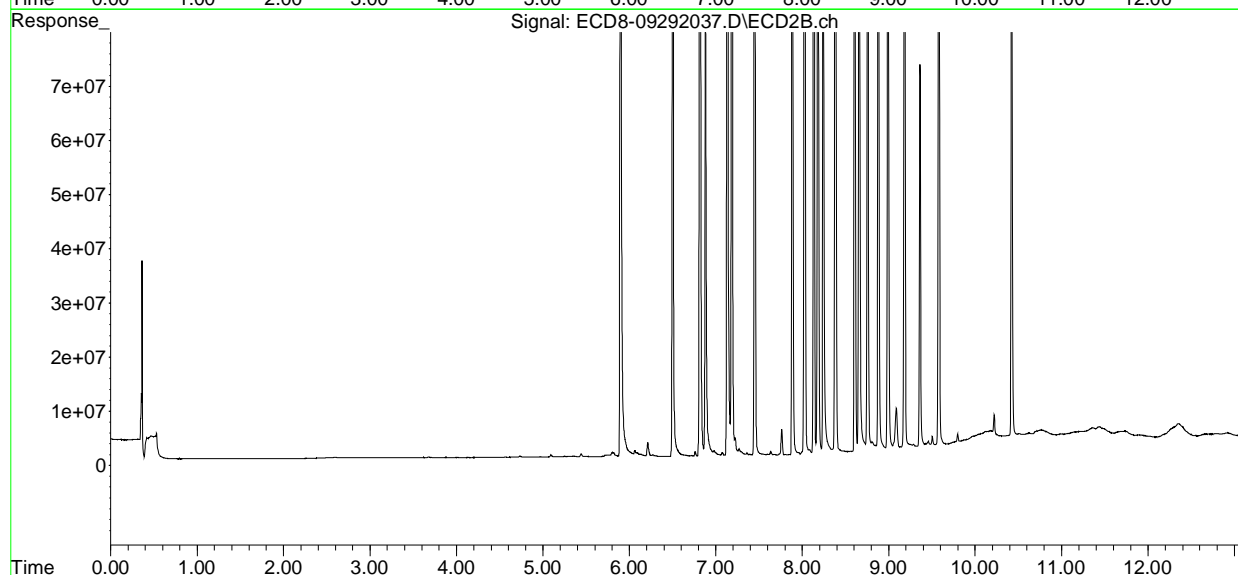
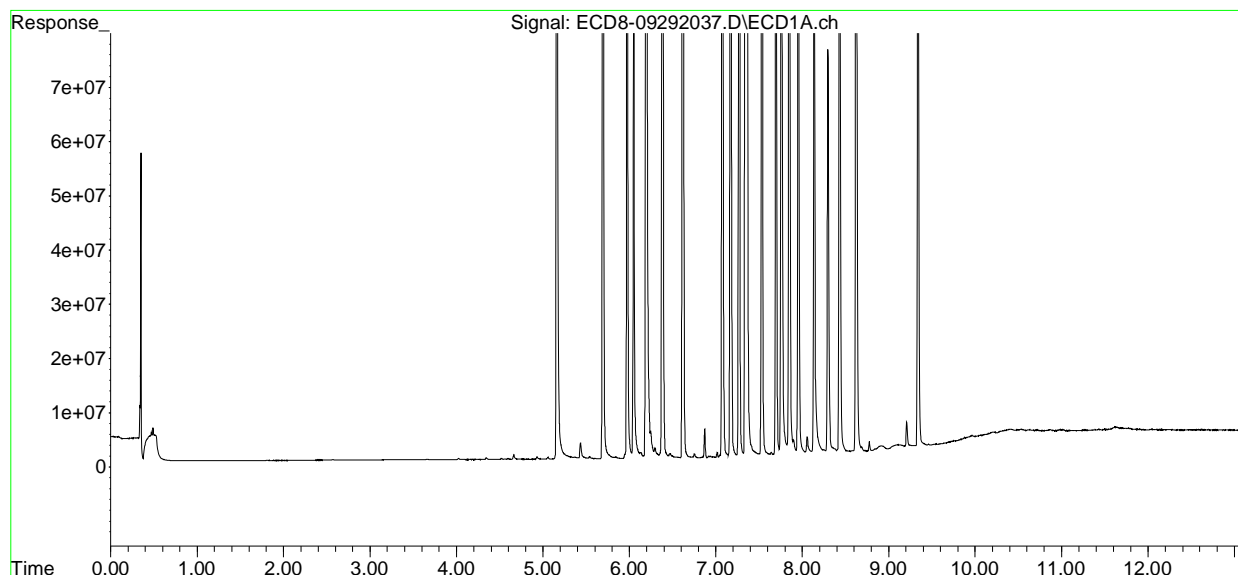
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.758f	8.656	146.3E6	148.7E6	35.676	40.296
31)	Mirex	8.374	9.579	624180	179.2E6	14904.215	79.344 #
32)	Chlordane...	0.000	8.243	0	181.0E6	N.D.	409.682 #
33)	Chlordane...	7.533	0.000	220.8E6	0	401.370	N.D. #
34)	Chlordane...	8.056	8.992	3092299	138.8E6	21.321	1150.513 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.342f	0.000	180.7E6	0	10504.276	N.D. #
37)	Toxaphene...	7.641f	8.755	557058	160.7E6	14.039	4089.932 #
38)	Toxaphene...	7.900	8.808	2577176	1707739	34.203	27.006
39)	Toxaphene...	8.137f	8.882	129.9E6	149.1E6	1808.448	1406.421
40)	Toxaphene...	8.374	9.088f	624180	7776975	11.176	136.978 #
41)	Toxaphene...	8.434	9.425	163.0E6	990015	2119.966	15.290 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 21:53
Operator : MJB
Sample : 0I29052-CCV5
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:44:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 22:09
 Operator : MJB
 Sample : 0I29052-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:45:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.139f	5.885	1325722	97376	0.355	0.028 #
22) S DCBP (S)	9.387f	10.434	351096	2105557	BelowCal	0.779
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.989	6.821	136251	50813	0.031	0.012 #
4) b-BHC	6.051	6.886	117078	77737	0.059	0.041 #
5) Heptachlor	6.382	7.185	552427	511629	0.130	0.100
6) d-BHC	6.198	7.138	78224	95150	0.019	0.057 #
7) Aldrin	6.621	7.447	34654	29574	0.008	BelowCal #
8) Heptachlo...	7.093	7.923f	118.4E6	606953	29.243	0.166 #
9) trans-Chl...	0.000	8.022	0	115.5E6	N.D.	31.183 #
10) cis-Chlor...	7.262	8.131	197.0E6	1949859	48.035	0.550 #
11) Endosulfa...	7.367	8.194	344909	511878	0.091	0.155 #
12) 4,4'-DDE	7.347	8.273f	567717	139900	0.139	0.059 #
13) Dieldrin	7.560f	8.393	592479	104.6E6	0.140	28.443 #
14) Endrin	7.728f	8.616	210.5E6	113.0E6	69.623	43.532 #
15) 4,4'-DDD	7.728f	8.652	210.5E6	211.9E6	63.029	66.588
16) Endosulfa...	7.881f	8.774	178515	352909	0.055	0.120 #
17) 4,4'-DDT	7.954	8.881	133798	531981	0.043	0.191 #
18) Endrin Al...	8.137	8.997	266476	447335	0.081	0.157 #
19) Endosulfa...	8.430	9.182	694962	370823	0.240	0.108 #
20) Methoxychlor	8.296	9.363	17364	471224	0.011	0.318 #
21) Endrin Ke...	8.634	9.569	475341	120.4E6	0.206	64.437 #
23) Hexachlor...	2.946	3.604	166.1E6	207.5E6	47.671	53.161
24) Hexachlor...	5.542	6.364	154.7E6	150.9E6	43.019	43.434
25) Oxychlorane	7.005	7.815	171.6E6	170.9E6	50.068	55.802
26) 2,4'-DDE	7.093	8.022	118.4E6	115.5E6	45.614	49.042
27) trans-Non...	7.262	8.089	197.0E6	190.0E6	52.160	55.821
28) 2,4'-DDD	7.460	8.393	104.6E6	104.6E6	46.283	50.291
29) 2,4'-DDT	7.642	8.616	123.8E6	113.0E6	52.326	52.020

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 22:09
 Operator : MJB
 Sample : 0I29052-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:45:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

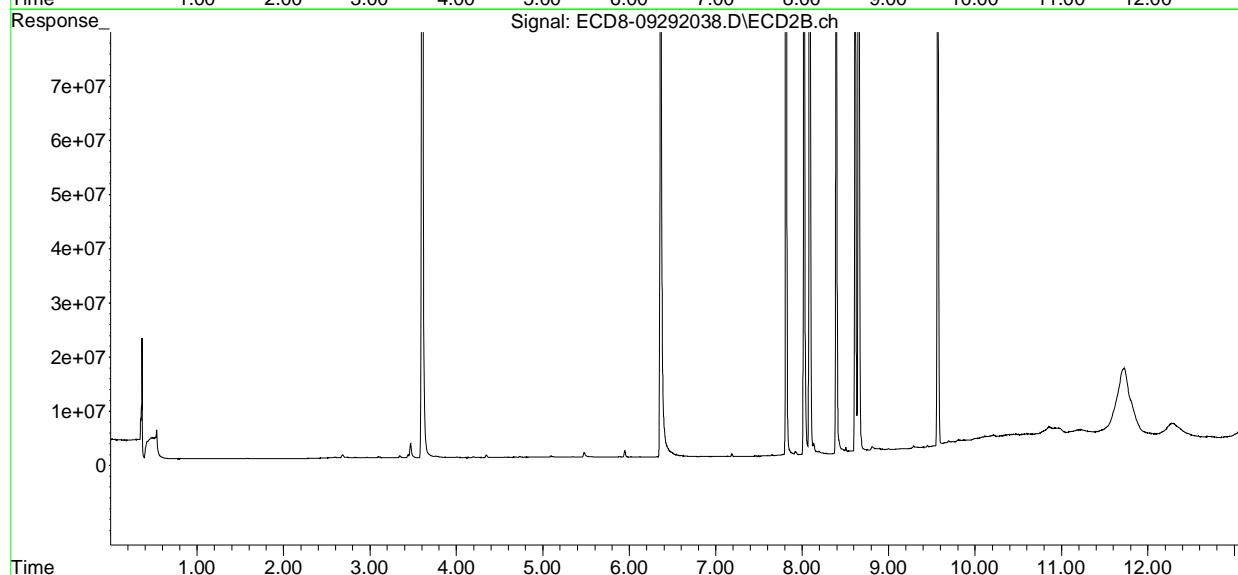
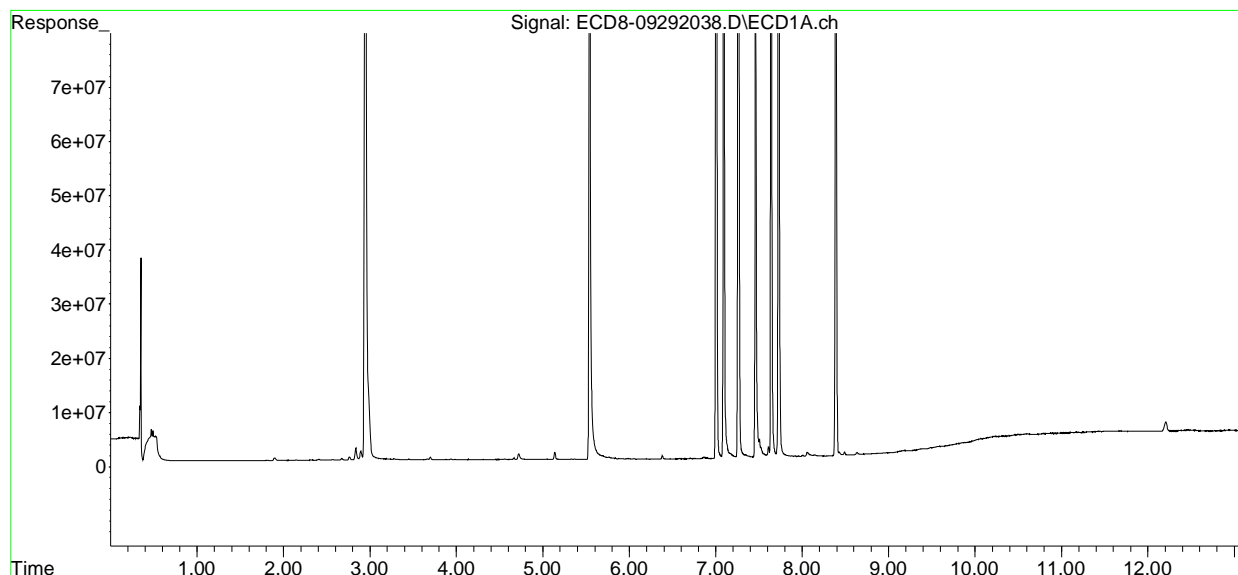
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.728	8.652	210.5E6	211.9E6	51.291	56.458
31)	Mirex	8.387	9.569	130.3E6	120.4E6	49.708	54.283
32)	Chlordane...	7.460f	8.194f	104.6E6	511878	231.162	1.159 #
33)	Chlordane...	7.505	8.349	3385316	16226	6.153	0.044 #
34)	Chlordane...	8.056	8.997	836407	447335	5.767	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.347f	8.393f	567717	104.6E6	33.003	3459.530 #
37)	Toxaphene...	7.611	8.774	1904026	352909	55.532	8.981 #
38)	Toxaphene...	7.918	8.810	167602	999862	2.224	15.811 #
39)	Toxaphene...	8.137	8.861	266476	582343	BelowCal	BelowCal
40)	Toxaphene...	8.387	9.042	130.3E6	276975	2332.440	4.878 #
41)	Toxaphene...	8.430	9.424	694962	492430	9.040	7.605
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 22:09
Operator : MJB
Sample : 0I29052-CCV6
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:45:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 22:26
 Operator : MJB
 Sample : 0I29052-CCB3
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:46:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.163	5.900	318.0E6	331.3E6	85.190	94.375
22) S DCBP (S)	9.342	10.423	277.6E6	241.9E6	91.115	107.107
Target Compounds						
2) a-BHC	5.703	0.000	120262	0	0.024	N.D. #
3) g-BHC	5.991	6.785f	58168	12593	0.013	0.002 #
4) b-BHC	6.051	6.884	25487	13401	0.013	0.007 #
5) Heptachlor	0.000	7.185	0	125346	N.D.	BelowCal
6) d-BHC	6.194	7.139	30335	132685	0.007	0.067 #
7) Aldrin	0.000	7.469	0	251407	N.D.	0.060 #
8) Heptachlo...	7.116f	0.000	42086	0	0.010	N.D. #
9) trans-Chl...	7.162	8.008f	147480	667297	0.036	0.180 #
10) cis-Chlor...	7.284	8.118	150161	313534	0.037	0.088 #
11) Endosulfa...	7.359	0.000	28774	0	0.008	N.D. #
12) 4,4'-DDE	7.342	0.000	40693	0	0.010	N.D. #
13) Dieldrin	7.540	0.000	15340	0	0.004	N.D. #
14) Endrin	7.729f	8.591f	13541	200825	0.004	0.049 #
15) 4,4'-DDD	7.760	0.000	11360	0	0.003	N.D. #
16) Endosulfa...	7.854	8.765	15176	924663	0.005	0.315 #
17) 4,4'-DDT	7.961	8.922f	9496	721412	0.003	0.265 #
18) Endrin Al...	8.142	8.988	210326	643542	0.064	0.226 #
19) Endosulfa...	8.438	9.182	31533	381659	0.011	0.113 #
20) Methoxychlor	8.301	9.347	83533	497187	0.055	0.335 #
21) Endrin Ke...	8.636	9.617f	459861	804129	0.199	0.383 #
23) Hexachlor...	0.000	3.623	0	32544	N.D.	BelowCal
24) Hexachlor...	5.542	6.391f	742969	144552	BelowCal	BelowCal
25) Oxychlorane	7.007	0.000	20780	0	104477.345	N.D. #
26) 2,4'-DDE	7.116	8.008	42086	667297	BelowCal	0.098
27) trans-Non...	7.284	8.118f	150161	313534	BelowCal	BelowCal
28) 2,4'-DDD	7.466	0.000	10327	0	BelowCal	N.D.
29) 2,4'-DDT	7.625f	8.591f	19560	200825	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 22:26
 Operator : MJB
 Sample : 0I29052-CCB3
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:46:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

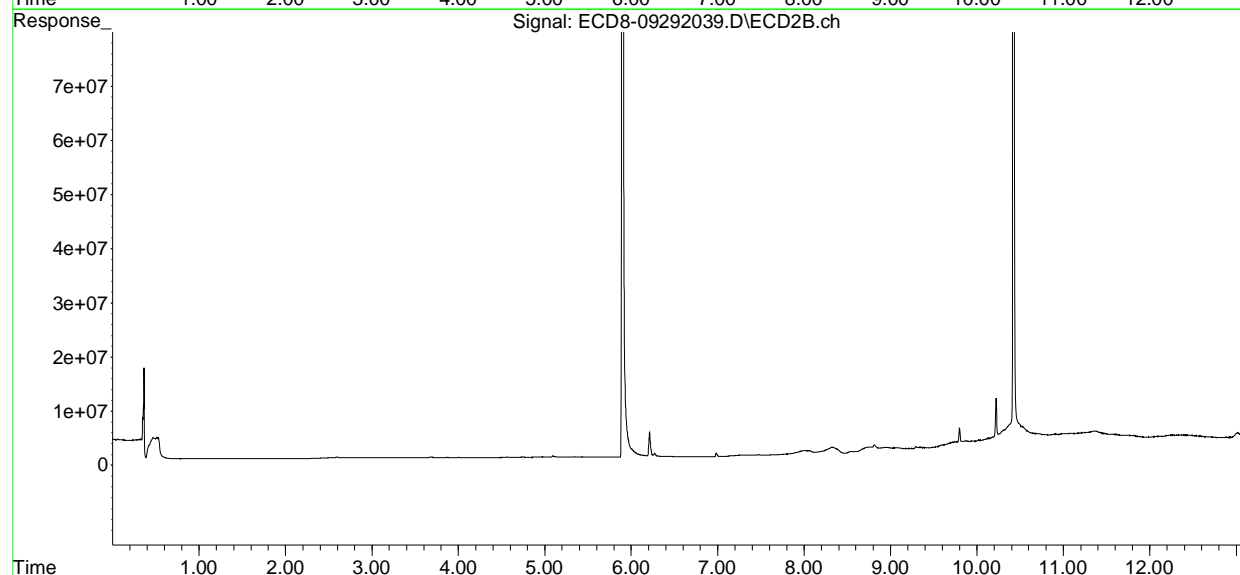
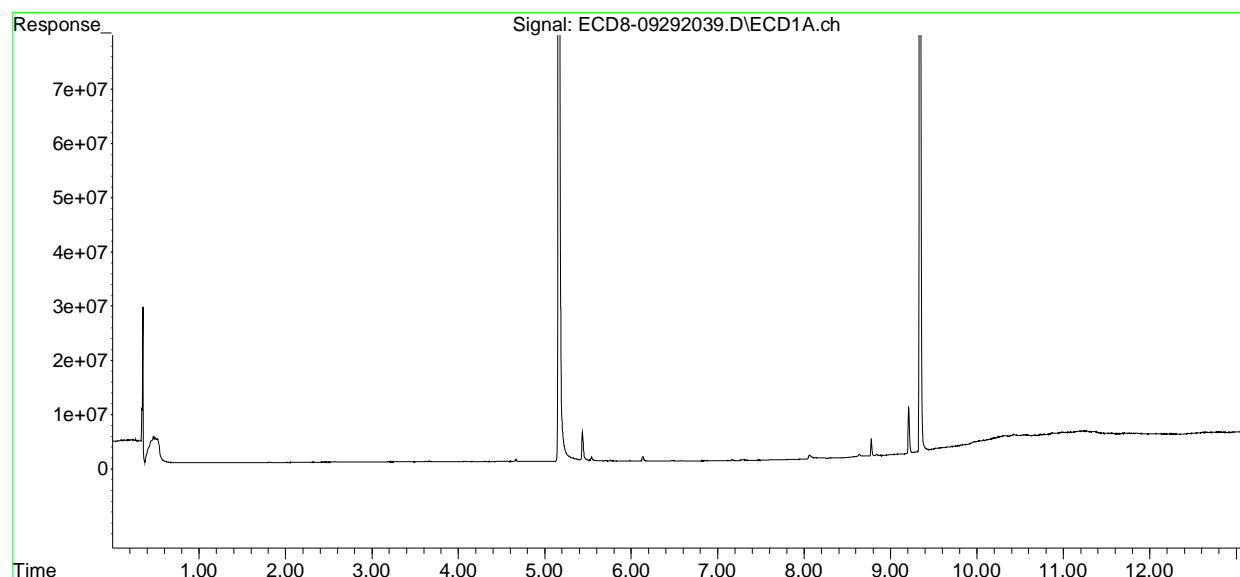
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.737	0.000	8366	0	BelowCal	N.D.
31)	Mirex	8.404	0.000	40069	0	14904.438	N.D. #
32)	Chlordane...	7.460f	0.000	9374	0	0.021	N.D. #
33)	Chlordane...	7.527	8.331	19345	1150386	0.035	3.091 #
34)	Chlordane...	8.062	8.988	721258	643542	4.973	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.309	0.000	102269	0	5.945	N.D. #
37)	Toxaphene...	7.613	8.773	24597	921267	125254.692	23.444 #
38)	Toxaphene...	7.925	8.812	6322	1320079	0.084	20.875 #
39)	Toxaphene...	8.142	0.000	210326	0	BelowCal	N.D.
40)	Toxaphene...	8.377	9.042	41177	575672	0.737	10.139 #
41)	Toxaphene...	8.452	9.432	11756	364426	0.153	5.628 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 22:26
Operator : MJB
Sample : 0I29052-CCB3
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:46:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 22:43
 Operator : MJB
 Sample : 0I29052-IBL8
 Misc : GPC Blank
 ALS Vial : 28 Sample Multiplier: 1

CLEAN

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:47:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.161	5.898	87907382	267893	23.552	0.076 #
22) S DCBP (S)	9.332	10.435	239.3E6	1766529	78.559	0.613 #
Target Compounds						
2) a-BHC	5.702	0.000	108.8E6	0	22.099	N.D. #
3) g-BHC	5.984	6.851f	117.3E6	36580	26.516	0.008 #
4) b-BHC	6.051	6.888	120.3E6	17028	60.617	0.009 #
5) Heptachlor	6.375	7.189	131.6E6	45963	31.075	BelowCal #
6) d-BHC	6.236f	7.155	126.3E6	93600	30.624	0.057 #
7) Aldrin	6.629	7.468	140.5E6	120077	32.203	0.024 #
8) Heptachlo...	7.072	7.870f	156.5E6	77321	38.654	0.021 #
9) trans-Chl...	7.163	8.051f	159.7E6	285049	38.594	0.077 #
10) cis-Chlor...	7.261	8.134	163.4E6	118195	39.852	0.033 #
11) Endosulfa...	7.377	8.199	167.5E6	103023	44.397	0.031 #
12) 4,4'-DDE	7.317f	8.256	165.4E6	164153	40.460	0.066 #
13) Dieldrin	7.579f	8.374	175.0E6	378713	41.383	0.103 #
14) Endrin	7.715	8.614	179.7E6	36241	59.425	BelowCal #
15) 4,4'-DDD	7.764	8.664	181.4E6	43634	54.317	0.023 #
16) Endosulfa...	7.835f	8.753	184.2E6	195454	56.954	0.067 #
17) 4,4'-DDT	7.960	8.902	188.5E6	267430	61.020	0.088 #
18) Endrin Al...	8.133	8.969f	195.3E6	562720	59.306	0.198 #
19) Endosulfa...	8.442	0.000	206.1E6	0	71.166	N.D. #
20) Methoxychlor	8.300	9.368	201.0E6	508231	132.597	0.343 #
21) Endrin Ke...	8.631	9.572	246.6E6	685448	106.683	0.310 #
23) Hexachlor...	2.946	3.575f	8366471	10672681	2.183	2.660
24) Hexachlor...	5.542	6.382	101.4E6	2657680	28.214	0.579 #
25) Oxychlorane	7.013	7.801	154.2E6	145562	44.971	BelowCal #
26) 2,4'-DDE	7.115	8.051f	157.9E6	285049	60.640	BelowCal #
27) trans-Non...	7.261	8.104	163.4E6	95723	43.252	BelowCal #
28) 2,4'-DDD	7.477	8.421f	171.0E6	120577	75.433	BelowCal #
29) 2,4'-DDT	7.633	8.614	176.7E6	36241	74.163	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
 Data File : ECD8-09292040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2020 22:43
 Operator : MJB
 Sample : 0I29052-IBL8
 Misc : GPC Blank
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 11:47:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

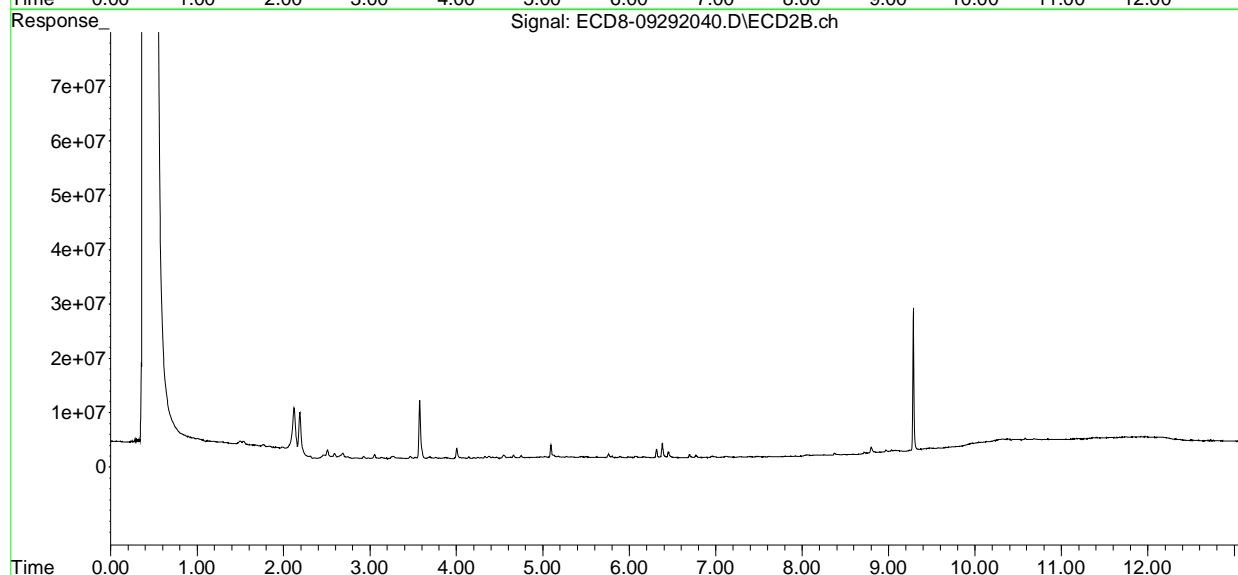
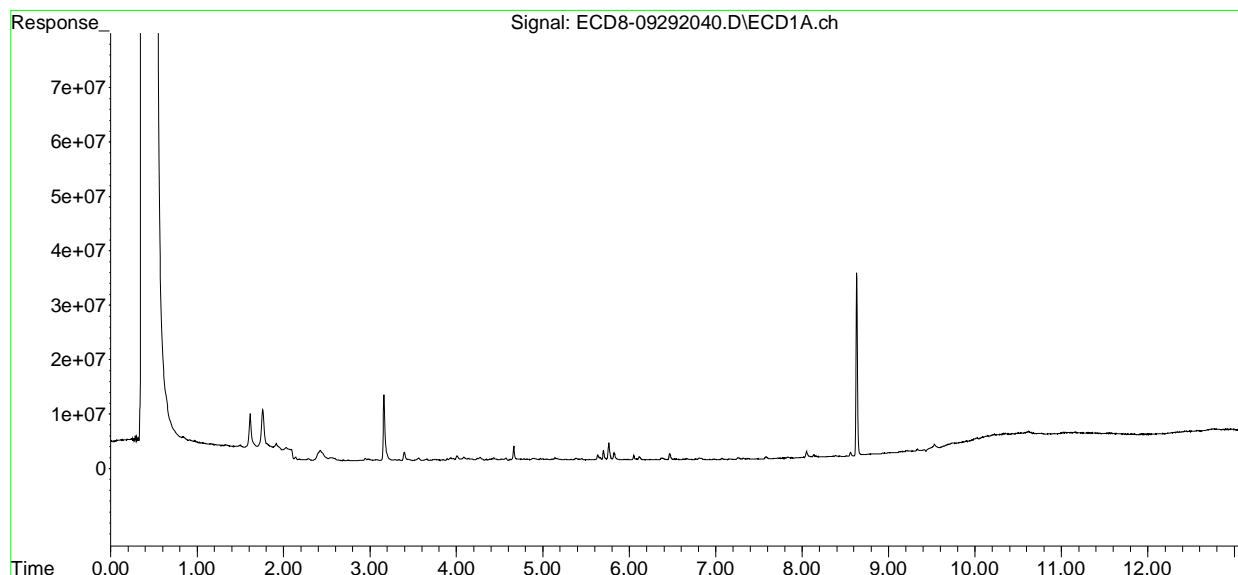
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.731	8.664	180.2E6	43634	43.937	BelowCal	#
31)	Mirex	8.385	9.572	204.2E6	685448	78.223	BelowCal	#
32)	Chlordane...	7.441	8.220	169.7E6	74674	375.037	0.169	#
33)	Chlordane...	0.000	8.333	0	18410	N.D.	0.049	#
34)	Chlordane...	8.049f	8.969f	192.9E6	562720	1330.213	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.317	8.421	165.4E6	120577	9615.464	3.988	#
37)	Toxaphene...	7.633f	8.770	176.7E6	199104	5694.837	5.067	#
38)	Toxaphene...	7.935f	8.800	187.7E6	1225627	2490.520	19.382	#
39)	Toxaphene...	8.165	8.902f	196.2E6	267430	2646.910	BelowCal	#
40)	Toxaphene...	8.385	9.055	204.2E6	421635	3655.720	7.426	#
41)	Toxaphene...	8.442	0.000	206.1E6	0	2681.181	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I29052\
Data File : ECD8-09292040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2020 22:43
Operator : MJB
Sample : 0I29052-IBL8
Misc : GPC Blank
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 11:47:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0090860
Sequence 0I30064 (A0I0556-41RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090860 (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	Other	>11	
	0090860-BLK1	QC	09/29/20 10:55	11	10				100						
	0090860-BS1	QC	09/29/20 10:55	10	10	A20H478		100	100						
	0090860-BS2	QC	09/29/20 10:56	10	10	A20I265		100	100						
	A0I0556-41RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:55	10.18	20				100	PDI-018SC-A-01-02-190926	MDL. Use Custom Spike.				
	A0I0588-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:55	10.18	20				100	NCPDI-001SG-2 00921	Added for BatchQC in: 0090860				
	A0I0588-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.18	20				100	NCPDI-001SG-2 00921	DDX isomers, plus others, custom list -- MDL				
	0090860-DUP1	QC	09/29/20 10:55	10.22	20		A0I0588-01RE1		100						
	A0I0590-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.15	20				100	NCPDI-004SG-2 00922	DDX isomers, plus others, custom list -- MDL				
	A0I0590-02RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.08	20				100	NCPDI-008SG-2 00922	DDX isomers, plus others, custom list -- MDL				
	A0I0706-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.14	20				100	NCPDI-016SG-2 00924	DDX isomers, plus others, custom list -- MDL				
	A0I0706-02RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.05	20				100	NCPDI-019SG-2 00924	DDX isomers, plus others, custom list -- MDL				
	A0I0709-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.12	20				100	NCPDI-010SG-2 00923	DDX isomers, plus others, custom list -- MDL				
	A0I0709-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:56	10.13	20				100	NCPDI-015SG-2 00923	Added for BatchQC in: 0090860				
	A0I0709-02RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.13	20				100	NCPDI-015SG-2 00923	DDX isomers, plus others, custom list -- MDL				
	0090860-MS1	QC	09/29/20 10:55	10.24	20	A20H478	A0I0709-02RE1	100	100						
	0090860-MS2	QC	09/29/20 10:56	10.23	20	A20I265	A0I0709-02RE1	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
A20G009	12/28/20	n-Hexane Lot# 200528	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20H026	01/31/21	DCM CHEM PROD. DZ242-US	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			

From 0090842 on 9/29/2020 by agr

Prepared By: _____ Date _____



 Reviewed By: _____ Date 10/2/20



Apex Laboratories
PREPARATION BENCH SHEET

On GPC # 1

BATCH #: 0090860 (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	2-11	>11
2	0090860-BLK1	QC	09/29/20 10:55	11	5/10				100		1ml 2ml			
3	0090860-BS1	QC	09/29/20 10:55	10	8/10	A20H478		100	100		1ml 2ml			
4	0090860-BS2	QC	09/29/20 10:56	10	5/10	A20I265		100	100		1ml 2ml			
5	A010556-41RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:55	10.18	5/20				100	PDI-018SC-A-01-02-190926	MDL. Use Custom Spike. 0.5ml 2ml			
6	A010588-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:55	10.18	5/20				100	NCPDI-001SG-2 00921	Added for Batch QC in: 0090860 0.5ml 2ml			(S)
7	A010588-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.18	5/20				100	NCPDI-001SG-2 00921	DDX isomers, plus others, custom list -- MD10 0.5ml 2ml			(S)
8	0090860-DUPI	QC	09/29/20 10:55	10.22	8/20		A010588-01RE1		100		0.5ml 2ml			(S)
9	A010590-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.15	8/20				100	NCPDI-004SG-2 00922	DDX isomers, plus others, custom list -- MDD 0.5ml 2ml			(S)
10	A010590-02RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.08	5/20				100	NCPDI-008SG-2 00922	DDX isomers, plus others, custom list -- MD 0.5ml 2ml			(S)
11	A010706-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.14	5/20				100	NCPDI-016SG-2 00924	DDX isomers, plus others, custom list -- MD 0.5ml 2ml			(S)
12	A010706-02RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.05	8/20				100	NCPDI-019SG-2 00924	DDX isomers, plus others, custom list -- MD 0.5ml 2ml			(S)
13	A010709-01RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.12	8/20				100	NCPDI-010SG-2 00923	DDX isomers, plus others, custom list -- MD 0.5ml 2ml			(S)
14	A010709-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:56	10.13	8/20				100	NCPDI-015SG-2 00923	Added for Batch QC in: 0090860 0.5ml 2ml			(S)
15	A010709-02RE1	A 8081B Pesticides + Add	09/29/20 10:55	10.13	5/20				100	NCPDI-015SG-2 00923	DDX isomers, plus others, custom list -- MD 0.5ml 2ml			(S)
16	0090860-MS1	QC	09/29/20 10:55	10.24	8/20	A20H478	A010709-02RE1	100	100		0.5ml 2ml			(S)
17	0090860-MS2	QC	09/29/20 10:56	10.23	8/20	A20I265	A010709-02RE1	100	100		0.5ml 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
A20G009	12/28/20	n-Hexane Lot# 200528	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20H026	01/31/21	DCM CHEM PROD. DZ242-US	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			

From 0090842 on 9/29/2020 by agr

(S) = staining on turbospin tube

* = overpressure error

Prepared By: AGR Date: 09-29-2020
09/29/20
9-30-20

Reviewed By: SLC Date: 09/30/2020



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0090842 (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
5	0090842-BLK1	QC	09/29/20 10:55	10.11	5				100				
6	0090842-BS1	QC	09/29/20 10:55	10	5	A20H478		100	100				
7	0090842-BS2	QC	09/29/20 10:56	10	5	A20I265		100	100				
8	A0I0556-41	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:55	10.18	5				100	PDI-018SC-A-01-02-190926	MDL. Use Custom Spike. dirt		
9	A0I0588-01	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:55	10.18	5				100	NCPDI-001SG-2 00921	Added for BatchQC in: 0090842 Mud		
	A0I0588-01	A 8081B Pesticides + Add	09/29/20 10:55	10.18	5				100	NCPDI-001SG-2 00921	DDX isomers, plus others, custom list -- MDL		
10	0090842-DUP1	QC	09/29/20 10:55	10.22	5		A0I0588-01		100				
11	A0I0590-01	A 8081B Pesticides + Add	09/29/20 10:55	10.15	5				100	NCPDI-004SG-2 00922	DDX isomers, plus others, custom list -- MDL Mud		
12	A0I0590-02	A 8081B Pesticides + Add	09/29/20 10:55	10.08	5				100	NCPDI-008SG-2 00922	DDX isomers, plus others, custom list -- MDL Mud Rock		
13	A0I0706-01	A 8081B Pesticides + Add	09/29/20 10:55	10.14	5				100	NCPDI-016SG-2 00924	DDX isomers, plus others, custom list -- MDL Mud Rock		
14	A0I0706-02	A 8081B Pesticides + Add	09/29/20 10:55	10.05	5				100	NCPDI-019SG-2 00924	DDX isomers, plus others, custom list -- MDL Mud Rock		
15	A0I0709-01	A 8081B Pesticides + Add	09/29/20 10:55	10.12	5				100	NCPDI-010SG-2 00923	DDX isomers, plus others, custom list -- MDL Mud Rock		
16	A0I0709-02	A 8081B 2,4+4,4-DDx Only (+Add)	09/29/20 10:56	10.13	5				100	NCPDI-015SG-2 00923	Added for BatchQC in: 0090842 Mud		
	A0I0709-02	A 8081B Pesticides + Add	09/29/20 10:55	10.13	5				100	NCPDI-015SG-2 00923	DDX isomers, plus others, custom list -- MDL		
17	0090842-MS1	QC	09/29/20 10:55	10.24	5	A20H478	A0I0709-02	100	100				
18	0090842-MS2	QC	09/29/20 10:56	10.23	5	A20I265	A0I0709-02	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	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Prepared By: Cault Date: 9/29/20

Reviewed By: JV Date: 9/29/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0090842 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11

Method 3546 digestion time and temperture achieved.

Initial: CAW

Witness: SEC 09/29/2020

* = added to batch because Custom spike expired.

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0I30064**

Instrument: **DUALECD8**

Date: **09/30/20 13:20**

Calibration: **A0G2005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0I30064-BKD1	Sediment	QC	QC				A20H479
2	0I30064-CCV1	Sediment	QC	QC				A20H475
3	0I30064-CCV2	Sediment	QC	QC				A20I185
4	0I30064-CCB1	Sediment	QC	QC				A20I313
5	0090860-BLK1	Sediment	QC	QC		0090860		
6	0090860-BS1	Sediment	QC	QC		0090860		
7	0090860-BS2	Sediment	QC	QC		0090860		
8	A0I0556-41RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	09/30/20	0090860		
9	A0I0588-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	(QC Source)		0090860		
10	"	Sediment	8081B Pesticides + Add	"	10/01/20	0090860		
11	0090860-DUP1	Sediment	QC	QC		0090860		
12	A0I0709-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	(QC Source)		0090860		
13	"	Sediment	8081B Pesticides + Add	"	10/05/20	0090860		
14	0090860-MS1	Sediment	QC	QC		0090860		
15	0090860-MS2	Sediment	QC	QC		0090860		
16	0I30064-CCV3	Sediment	QC	QC				A20H476
17	0I30064-CCV4	Sediment	QC	QC				A20I186
18	0I30064-CCB2	Sediment	QC	QC				A20I313

Data Entered By/Date: MJB 9/30/20

Comments: **PARTIAL**

Data Reviewed By/Date: MKZ 10/1/2020

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0I30064 BKD1
Data File: ECD8-09302003.D

MJB 9/30/20

First Column Area Counts		Percent Breakdown	
DDE	13107751		
DDD	70384343		
DDT	3080897870	2.64	PASS
Endrin	1664536167	9.75	PASS
Endrin Aldehyde	79652335		
Endrin Ketone	100163445		

Second Column Area Counts		Percent Breakdown	
DDE	17892204		
DDD	75374365		
DDT	2914712127	3.10	PASS
Endrin	1507510123	8.98	PASS
Endrin Aldehyde	54474692		
Endrin Ketone	94182515		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 14:01
 Operator : MJB
 Sample : 0I30064-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 14:19:31 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTD.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.344	13107751	NoCal	ng/mL
2) Endrin	7.696	1664536167	NoCal	ng/mL
3) 4,4'-DDD	7.760	70384343	NoCal	ng/mL
4) 4,4'-DDT	7.955	3080897870	NoCal	ng/mL
5) Endrin Aldehyde	8.138	79652335	NoCal	ng/mL
6) Endrin Ketone	8.628	100163445	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.246	17892204	NoCal	ng/mL
9) Endrin [2C]	8.609	1507510123	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.659	75374365	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.993	54474692	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.882	2914712127	NoCal	ng/mL
13) Endrin Ketone [2C]	9.581	94182515	NoCal	ng/mL

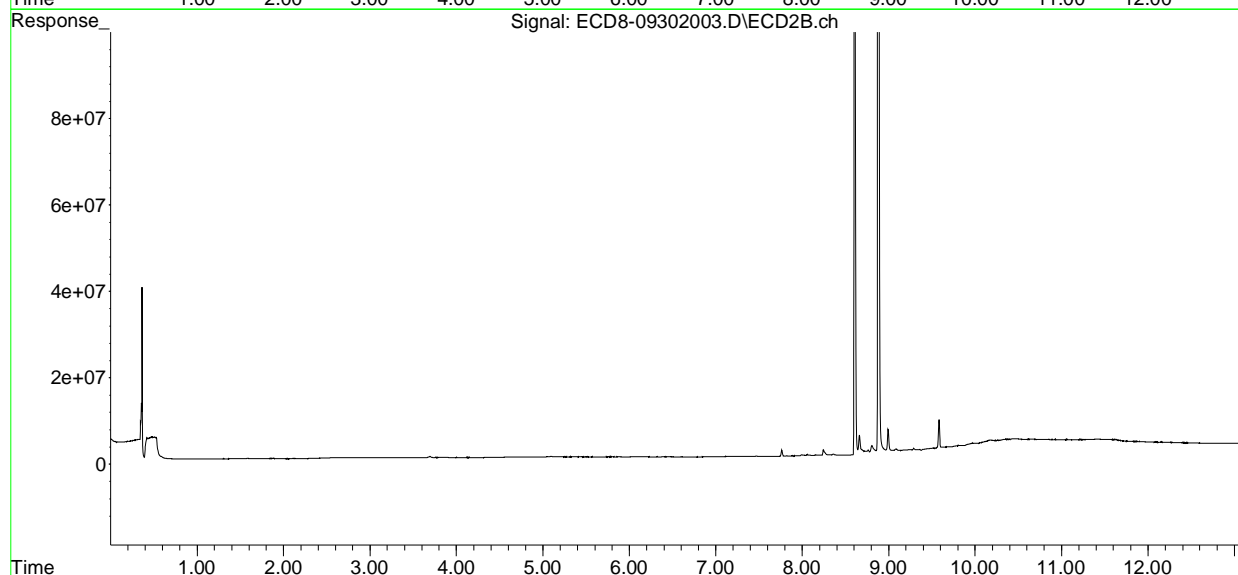
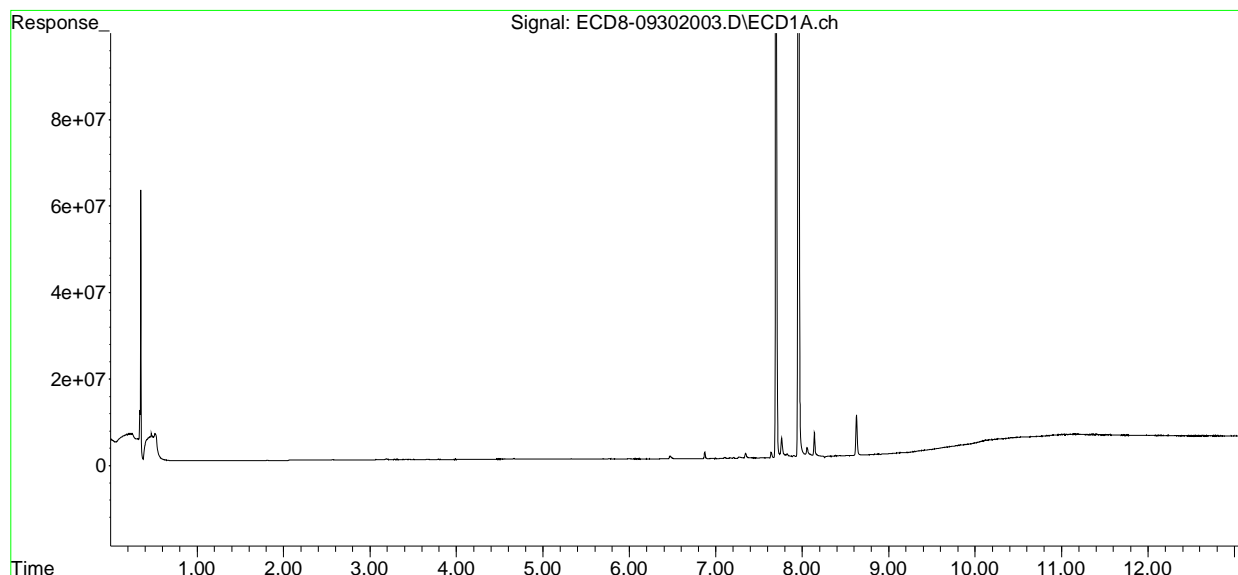
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 14:01
Operator : MJB
Sample : 0I30064-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 14:19:31 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTD.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 14:17
 Operator : MJB
 Sample : 0I30064-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:14:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.163	5.900	157.1E6	150.3E6	42.093	42.818
22) S DCBP (S)	9.342	10.425	135.6E6	113.3E6	44.497	52.496
Target Compounds						
2) a-BHC	5.695	6.501	246.5E6	235.7E6	50.049	49.560
3) g-BHC	5.976	6.817	211.1E6	214.7E6	47.716	51.041
4) b-BHC	6.050	6.882	79706512	81643739	40.147	43.307
5) Heptachlor	6.383	7.187	214.5E6	207.8E6	50.653	50.616
6) d-BHC	6.197	7.134	178.1E6	185.8E6	43.186	45.827
7) Aldrin	6.621	7.451	218.5E6	193.3E6	50.064	49.208
8) Heptachlo...	7.078	7.887	190.3E6	178.7E6	47.002	48.803
9) trans-Chl...	7.173	8.025	194.4E6	187.3E6	46.978	50.545
10) cis-Chlor...	7.271	8.133	184.2E6	185.0E6	44.927	52.136
11) Endosulfa...	7.363	8.182	189.2E6	170.5E6	50.150	51.480
12) 4,4'-DDE	7.343	8.243	174.0E6	177.2E6	42.557	47.619
13) Dieldrin	7.534	8.382	205.9E6	194.5E6	48.677	52.892
14) Endrin	7.696	8.609	165.8E6	149.4E6	54.836	56.410
15) 4,4'-DDD	7.758	8.657	140.0E6	143.9E6	41.921	46.650
16) Endosulfa...	7.850	8.756	151.7E6	149.3E6	46.898	50.881
17) 4,4'-DDT	7.955	8.882	150.8E6	146.7E6	48.794	51.234
18) Endrin Al...	8.137	8.992	129.1E6	130.2E6	39.206	Q-31 45.726
19) Endosulfa...	8.436	9.183	151.1E6	145.2E6	52.164	55.880
20) Methoxychlor	8.297	9.362	72714279	71828868	47.980	48.442
21) Endrin Ke...	8.627	9.581	190.7E6	165.1E6	82.518	Q-41 85.013 Q-41
23) Hexachlor...	2.943	3.624	11851	47968	BelowCal	BelowCal
24) Hexachlor...	5.542	6.384	363104	56382	BelowCal	BelowCal
25) Oxychlorane	7.016	7.794f	899542	125718	0.079	BelowCal #
26) 2,4'-DDE	7.078	8.025	190.3E6	187.3E6	72.884	76.869
27) trans-Non...	7.271	8.086	184.2E6	759452	48.777	BelowCal #
28) 2,4'-DDD	7.449	8.382	608086	194.5E6	0.077	89.290 #
29) 2,4'-DDT	7.643	8.609	533340	149.4E6	0.047	67.463 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 14:17
 Operator : MJB
 Sample : 0I30064-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:14:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

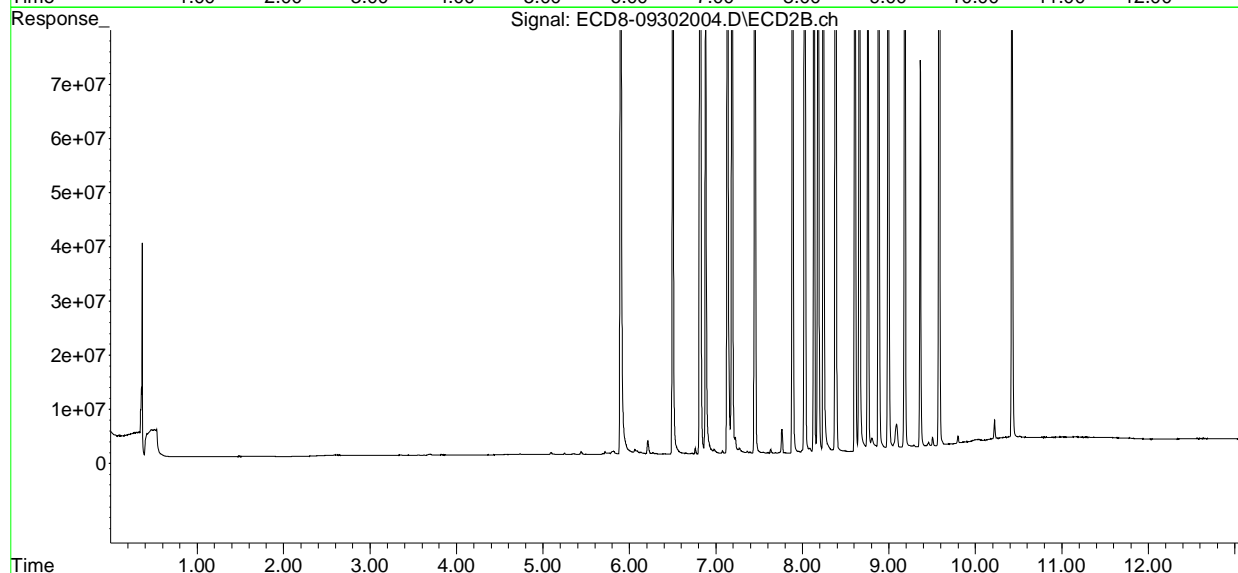
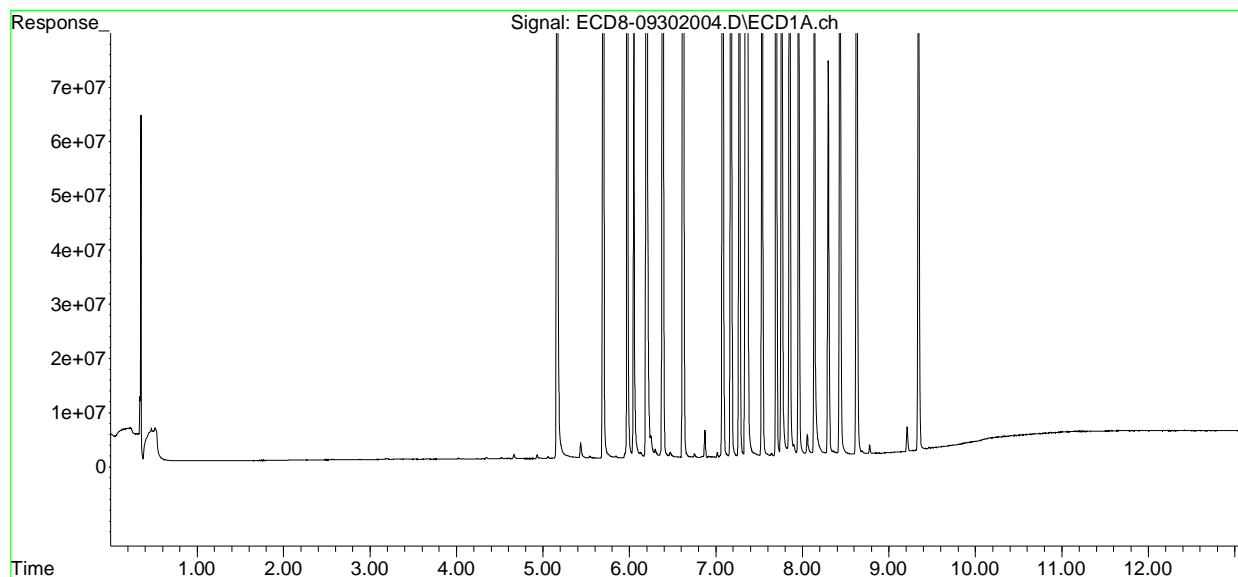
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.758f	8.657	140.0E6	143.9E6	34.142	39.036
31)	Mirex	8.358f	9.581	725906	165.1E6	14904.176	73.416 #
32)	Chlordane...	7.449	8.243	608086	177.2E6	1.344	401.084 #
33)	Chlordane...	7.534	0.000	205.9E6	0	374.149	N.D. #
34)	Chlordane...	8.056	8.992	3766750	130.2E6	25.971	1085.685 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.343f	0.000	174.0E6	0	10113.874	N.D. #
37)	Toxaphene...	7.643f	8.756	533340	149.3E6	13.308	3798.594 #
38)	Toxaphene...	7.901	8.804	2077500	2350045	27.572	37.163 #
39)	Toxaphene...	8.137	8.882	129.1E6	146.7E6	1798.204	1386.036
40)	Toxaphene...	8.358f	9.087f	725906	4693967	12.997	82.676 #
41)	Toxaphene...	8.436	9.427	151.1E6	650198	1965.309	10.042 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 14:17
Operator : MJB
Sample : 0I30064-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:14:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 14:34
 Operator : MJB
 Sample : 0I30064-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:18:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.138f	5.907	1261315	78566	0.338	0.022 #
22) S DCBP (S)	0.000	10.428	0	1639351	N.D.	0.551 #
Target Compounds						
2) a-BHC	5.696	0.000	492962	0	0.100	N.D. #
3) g-BHC	5.977	6.822	120053	54653	0.027	0.013 #
4) b-BHC	6.053	6.886	115057	84996	0.058	0.045 #
5) Heptachlor	6.382	7.187	517703	447474	0.122	0.084 #
6) d-BHC	6.197	7.137	76261	84903	0.018	0.055 #
7) Aldrin	6.619	7.469	43832	104604	0.010	0.019 #
8) Heptachlo...	7.093	7.882	109.9E6	289586	27.142	0.079 #
9) trans-Chl...	7.171	8.023	721755	106.1E6	0.174	28.624 #
10) cis-Chlor...	7.263	8.132	183.3E6	1576303	44.703	0.444 #
11) Endosulfa...	7.369	8.197	286680	295571	0.076	0.089 #
12) 4,4'-DDE	7.346	8.241	396005	130763	0.097	0.057 #
13) Dieldrin	7.506f	8.393	2855964	99750935	0.675	27.123 #
14) Endrin	7.729f	8.617	201.2E6	111.8E6	66.551	43.106 #
15) 4,4'-DDD	7.729f	8.653	201.2E6	192.3E6	60.249	60.958 #
16) Endosulfa...	7.881f	0.000	108874	0	0.034	N.D. #
17) 4,4'-DDT	7.955	8.883	90837	211274	0.029	0.066 #
18) Endrin Al...	8.138	8.998	306317	271174	0.093	0.095 #
19) Endosulfa...	8.431	9.184	584379	121210	0.202	0.003 #
20) Methoxychlor	8.298	9.362	30360	260041	0.020	0.175 #
21) Endrin Ke...	8.634	9.570	488693	112.7E6	0.211	60.755 #
23) Hexachlor...	2.948	3.604	162.5E6	202.1E6	46.630	51.831 #
24) Hexachlor...	5.542	6.365	142.7E6	145.5E6	39.686	Q-31 41.956 #
25) Oxychlorane	7.007	7.816	160.3E6	155.8E6	46.765	51.114 #
26) 2,4'-DDE	7.093	8.023	109.9E6	106.1E6	42.361	45.222 #
27) trans-Non...	7.263	8.090	183.3E6	179.2E6	48.533	52.825 #
28) 2,4'-DDD	7.461	8.393	97398624	99750935	43.117	48.081 #
29) 2,4'-DDT	7.643	8.617	111.8E6	111.8E6	47.296	51.510 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 14:34
 Operator : MJB
 Sample : 0I30064-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:18:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

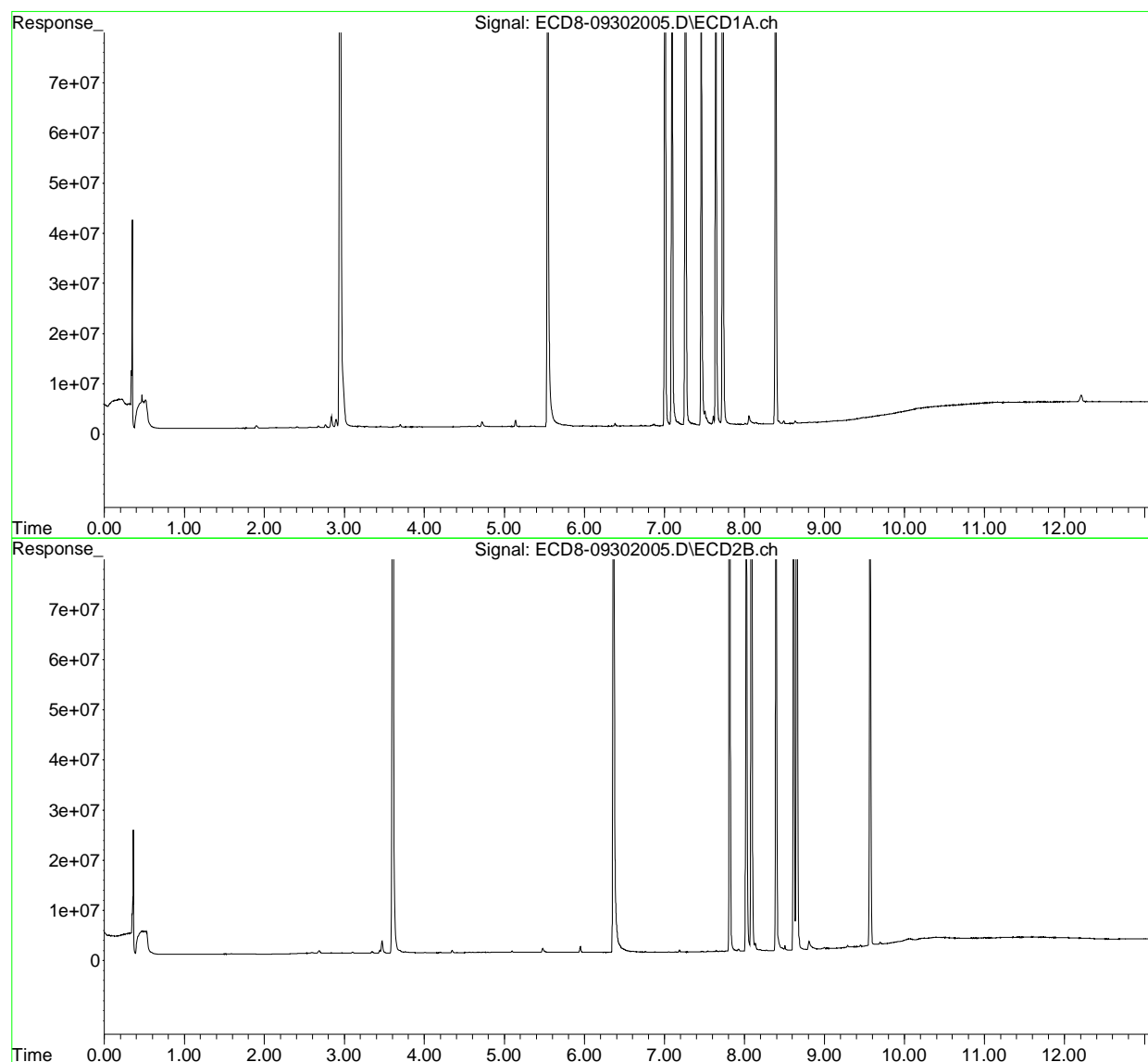
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.729	8.653	201.2E6	192.3E6	49.037	51.503
31)	Mirex	8.388	9.570	123.7E6	112.7E6	47.169	50.938
32)	Chlordane...	7.461f	8.241	97398624	130763	215.297	0.296 #
33)	Chlordane...	7.506	8.352	2855964	15870	5.191	0.043 #
34)	Chlordane...	8.055	8.998	1658509	271174	11.435	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.346f	8.393f	396005	99750935	23.021	3298.959 #
37)	Toxaphene...	7.611	8.808f	1706098	1632569	49.434	41.544
38)	Toxaphene...	7.919	8.808	106669	1632569	1.416	25.817 #
39)	Toxaphene...	8.138	8.861	306317	308801	BelowCal	BelowCal
40)	Toxaphene...	8.388	9.032	123.7E6	91085	2214.365	1.604 #
41)	Toxaphene...	8.431	9.427	584379	254217	7.602	3.926 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 14:34
Operator : MJB
Sample : 0I30064-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:18:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 14:50
 Operator : MJB
 Sample : 0I30064-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:24:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.164	5.901	300.4E6	316.3E6	80.472	90.108
22) S DCBP (S)	9.343	10.425	256.6E6	233.1E6	84.236	103.534
Target Compounds						
2) a-BHC	5.702	6.461f	92927	84313	0.019	0.060 #
3) g-BHC	5.994	6.784f	61554	12769	0.014	0.002 #
4) b-BHC	6.052	6.879	17682	16561	0.009	0.009
5) Heptachlor	6.384	7.188	11065	13182	0.003	BelowCal #
6) d-BHC	0.000	7.137	0	62064	N.D.	0.049 #
7) Aldrin	0.000	7.471f	0	97924	N.D.	0.018 #
8) Heptachlo...	7.076	7.880	16222	15411	0.004	0.004
9) trans-Chl...	7.165	8.028	93168	19880	0.023	0.005 #
10) cis-Chlor...	7.280	8.137	240712	51037	0.059	0.014 #
11) Endosulfa...	7.382	8.180	25520	34510	0.007	0.010 #
12) 4,4'-DDE	7.382f	8.246	25520	12929	0.006	0.022 #
13) Dieldrin	7.533	8.385	13574	15289	0.003	0.004 #
14) Endrin	7.697	8.614	21260	27610	0.007	BelowCal #
15) 4,4'-DDD	7.761	8.660	22372	26223	0.007	0.016 #
16) Endosulfa...	7.847	8.753	45624	31280	0.014	0.011
17) 4,4'-DDT	7.958	8.905f	57594	177423	0.019	0.053 #
18) Endrin Al...	8.136	8.994	284952	134430	0.087	0.047 #
19) Endosulfa...	8.443	9.184	68680	135859	0.024	0.009 #
20) Methoxychlor	8.301	9.360	103073	202167	0.068	0.136 #
21) Endrin Ke...	8.635	9.582	480833	429779	0.208	0.154 #
23) Hexachlor...	0.000	3.625f	0	38315	N.D.	BelowCal
24) Hexachlor...	5.543	6.366	670726	101326	BelowCal	BelowCal
25) Oxychlordane	7.005	7.796	18701	22716	104477.346	BelowCal #
26) 2,4'-DDE	7.090	8.028	18517	19880	BelowCal	BelowCal
27) trans-Non...	7.280	8.064f	240712	275651	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.385	0	15289	N.D.	BelowCal
29) 2,4'-DDT	7.640	8.614	12203	27610	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 14:50
 Operator : MJB
 Sample : 0I30064-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:24:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

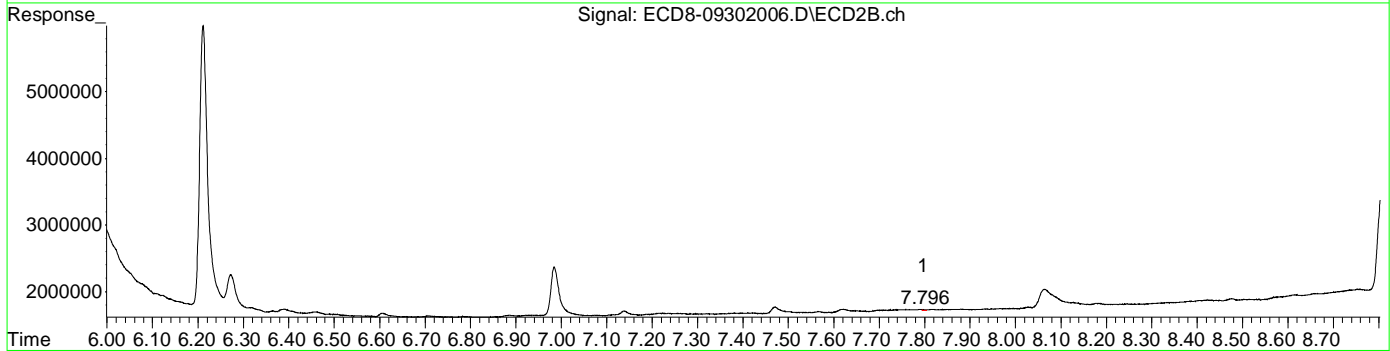
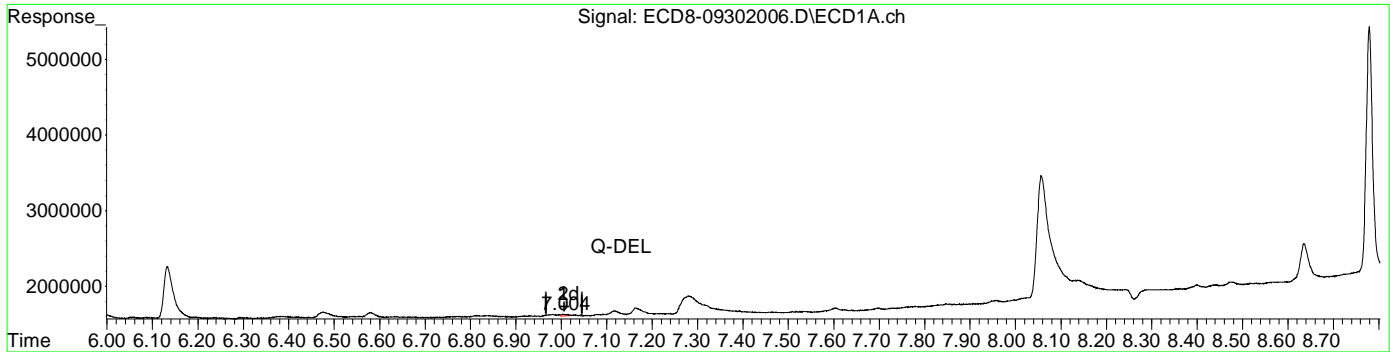
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.731	8.660	14208	26223	BelowCal	BelowCal
31)	Mirex	8.400	9.582	96889	429779	14904.417	BelowCal #
32)	Chlordane...	7.405f	8.246f	12948	12929	0.029	Q-DEL 0.029
33)	Chlordane...	7.533	8.337	13574	5714	0.025	0.015 #
34)	Chlordane...	8.057	8.994	1687117	134430	11.632	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.280f	8.425	240712	17098	13.993	0.565 #
37)	Toxaphene...	7.605	8.775	46823	4951	125254.008	Q-DEL 0.126 #
38)	Toxaphene...	7.909	8.809	29806	1512295	0.396	23.915 #
39)	Toxaphene...	8.136f	8.905f	284952	177423	BelowCal	BelowCal
40)	Toxaphene...	8.360	9.033	75018	114751	1.343	2.021 #
41)	Toxaphene...	8.443	9.439	68680	305831	0.893	4.723 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 14:50
Operator : MJB
Sample : 0I30064-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:24:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(25) Oxychlordane
~~7.005min -104477.346 ng/mL~~
response ~~18704~~

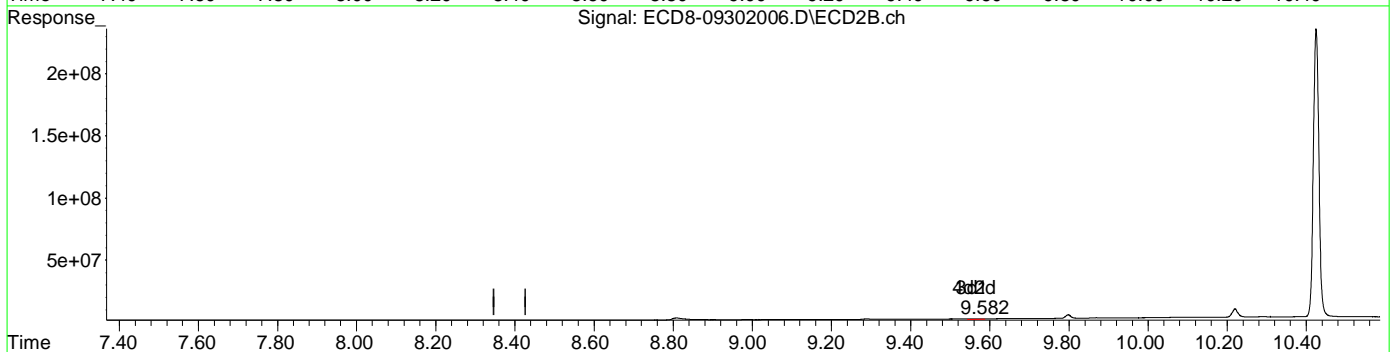
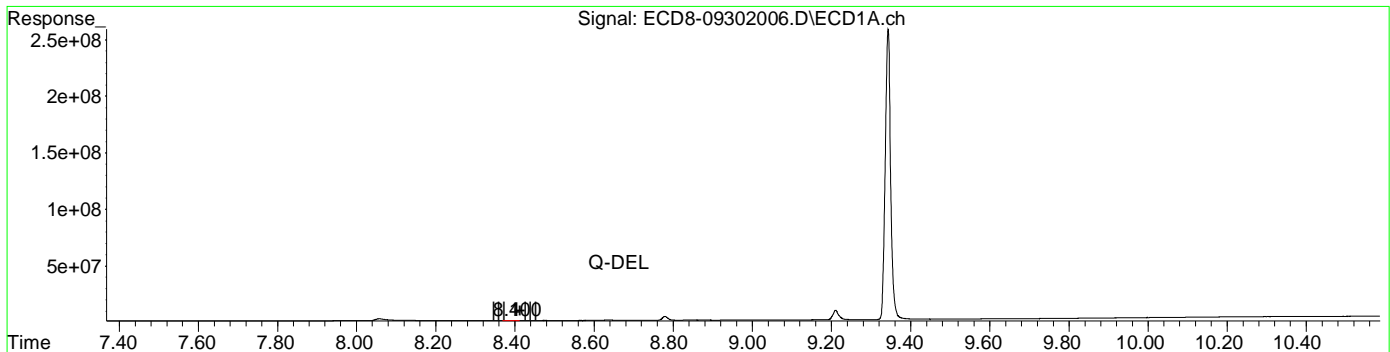
MJB 9/30/20

(25) Oxychlordane #2
7.796min -0.230 ng/mL
response 22716

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 14:50
Operator : MJB
Sample : 0I30064-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:24:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



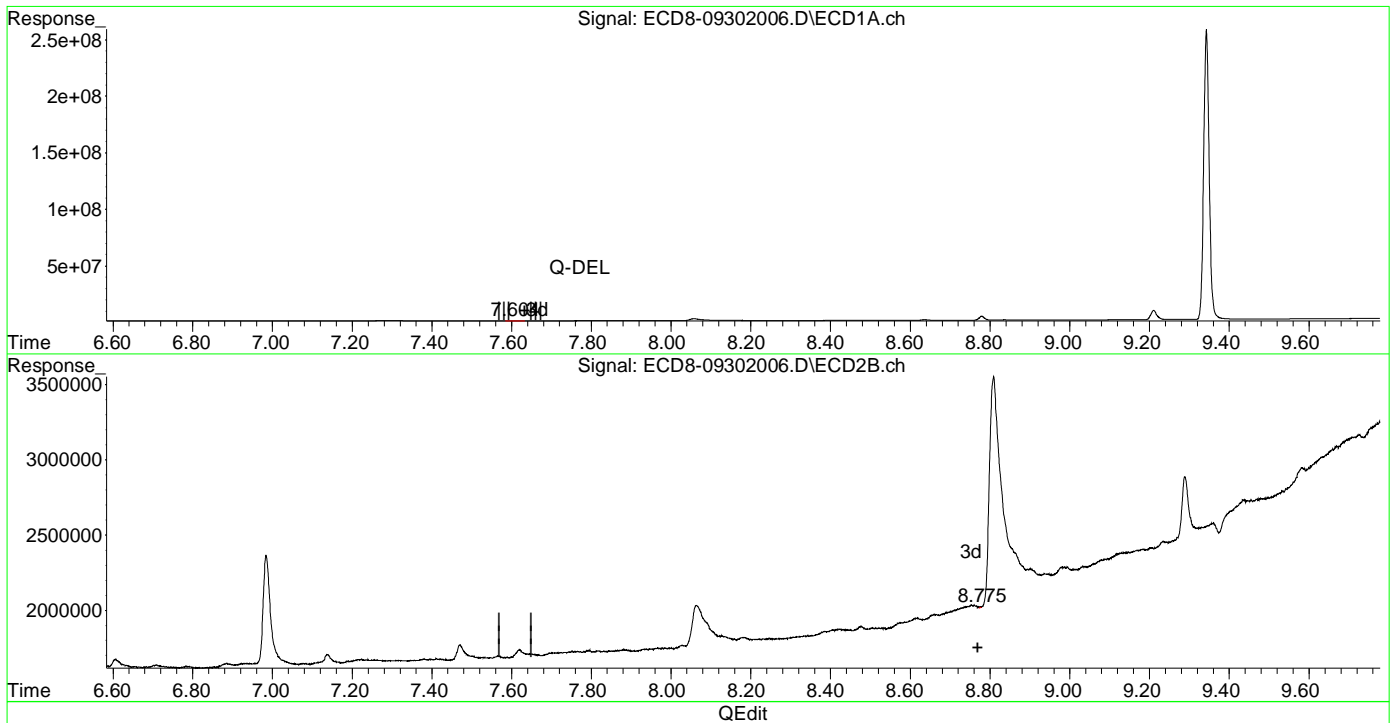
QEdit

(31) Mirex	
8.400min -14904.417 ng/mL	
response 96880	
	MJB 9/30/20
(31) Mirex #2	
9.582min -0.210 ng/mL	
response 429779	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 14:50
Operator : MJB
Sample : 0I30064-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:24:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(37) Toxaphene (2)
~~7.605min 125254.008 ng/mL~~
response ~~46823~~

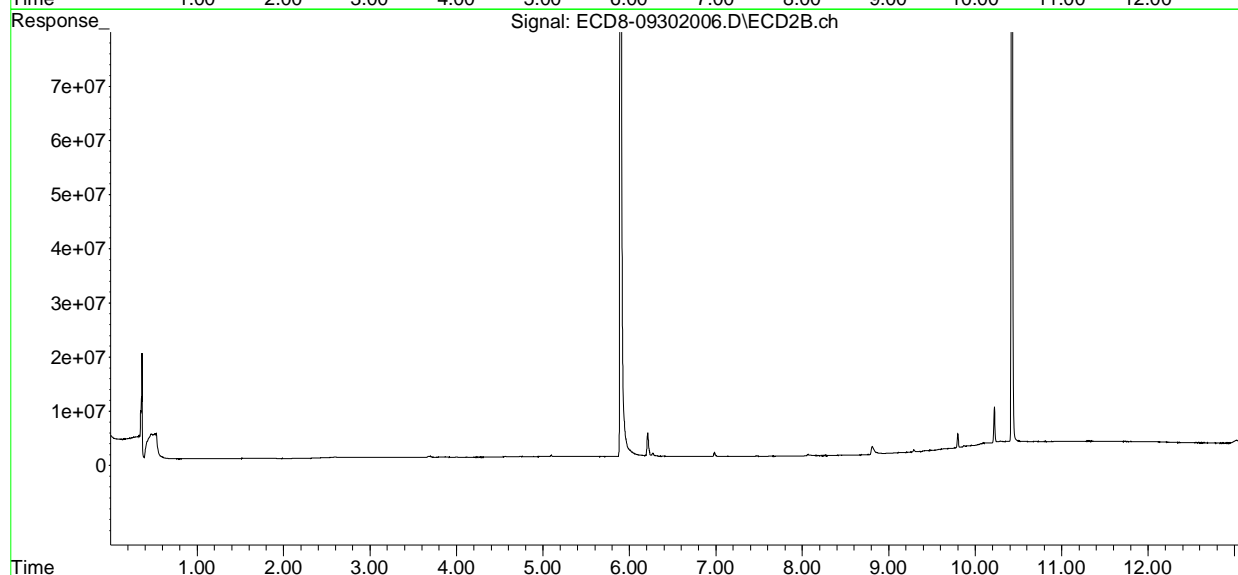
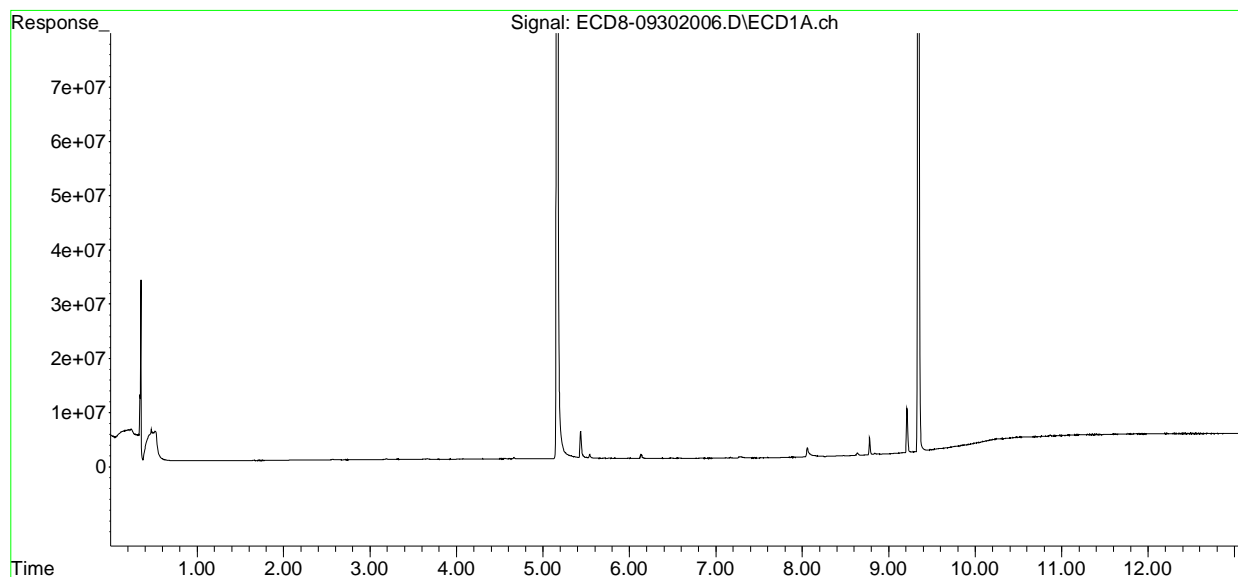
MJB 9/30/20

(37) Toxaphene (2) #2
8.775min 0.126 ng/mL
response 4951

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 14:50
Operator : MJB
Sample : 0I30064-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:24:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:07
 Operator : MJB
 Sample : 0090860-BLK1
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:28:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.164	5.900	119.3E6	119.5E6	31.956	34.052
22) S DCBP (S)	9.342	10.426	129.9E6	104.5E6	42.631	48.573
Target Compounds						
2) a-BHC	5.703	6.538f	2313871	251953	0.470	0.098 #
3) g-BHC	5.991	6.815	480824	277018	0.109	0.071 #
4) b-BHC	6.052	6.886	1077977	304324	0.543	0.161 #
5) Heptachlor	6.374	7.186	667361	328369	0.158	0.052 #
6) d-BHC	6.199	7.155f	512015	357430	0.124	0.126
7) Aldrin	6.625	7.450	468239	337899	0.107	0.083
8) Heptachlo...	7.074	7.872	219238	528944	0.054	0.144 #
9) trans-Chl...	7.172	8.023	167975	387299	0.041	0.105 #
10) cis-Chlor...	7.261	8.132	573196	207152	0.140	0.058 #
11) Endosulfa...	7.355	8.163	171856	491501	0.046	0.148 #
12) 4,4'-DDE	7.355	8.255	171856	277987	0.042	0.099 #
13) Dieldrin	7.529	8.376	72254	381759	0.017	0.104 #
14) Endrin	7.702	8.615	42124	67584	0.014	BelowCal #
15) 4,4'-DDD	7.743	8.656	50578	61332	0.015m	0.029 #
16) Endosulfa...	7.834	8.748	436696	100362	0.135	0.034 #
17) 4,4'-DDT	7.959	8.880	209800	226988	0.068	0.073
18) Endrin Al...	8.134	9.002	367807	107727	0.112	0.038 #
19) Endosulfa...	8.427	9.148f	12268	237845	0.004	0.052 #
20) Methoxychlor	8.295	9.361	661091	834047	0.436	0.562 #
21) Endrin Ke...	8.632	9.585	40027963	768091	17.317	0.361 #
23) Hexachlor...	2.946	3.577f	604017	3414869	BelowCal	0.697
24) Hexachlor...	5.542	6.381	641295	3423811	BelowCal	0.812
25) Oxychlorane	0.000	7.816	0	585894	N.D. d	BelowCal
26) 2,4'-DDE	7.090	8.023	213315	387299	BelowCal	BelowCal
27) trans-Non...	7.261	8.072	573196	2282124	BelowCal	0.465
28) 2,4'-DDD	7.481f	8.376	129042	381759	BelowCal	BelowCal
29) 2,4'-DDT	7.641	8.615	89058	67584	BelowCal	BelowCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:07
 Operator : MJB
 Sample : 0090860-BLK1
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:28:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

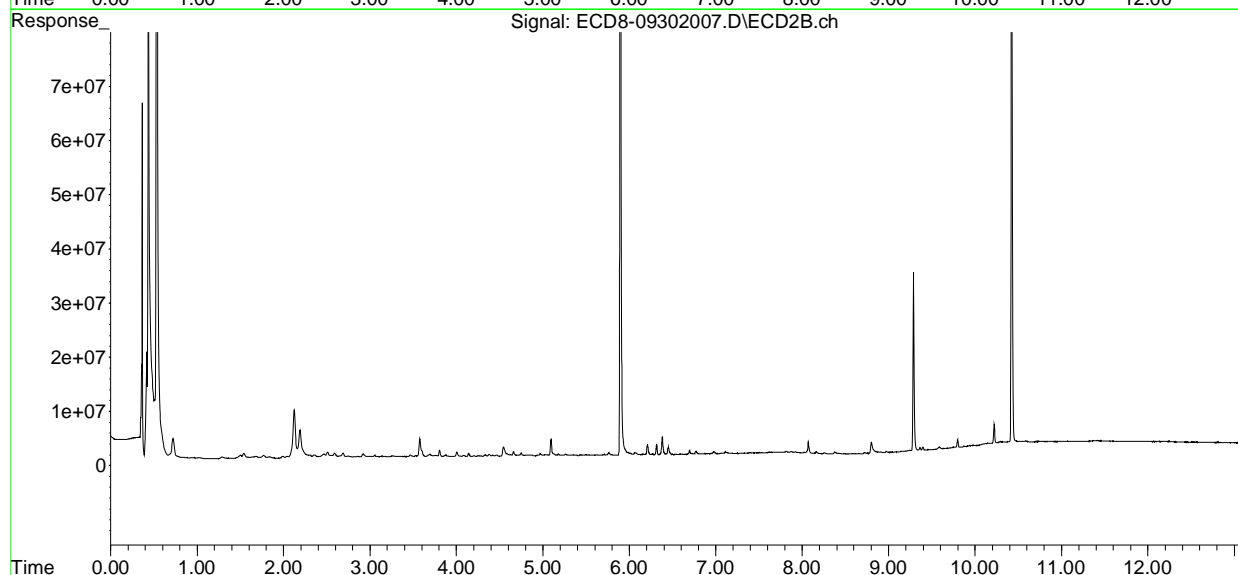
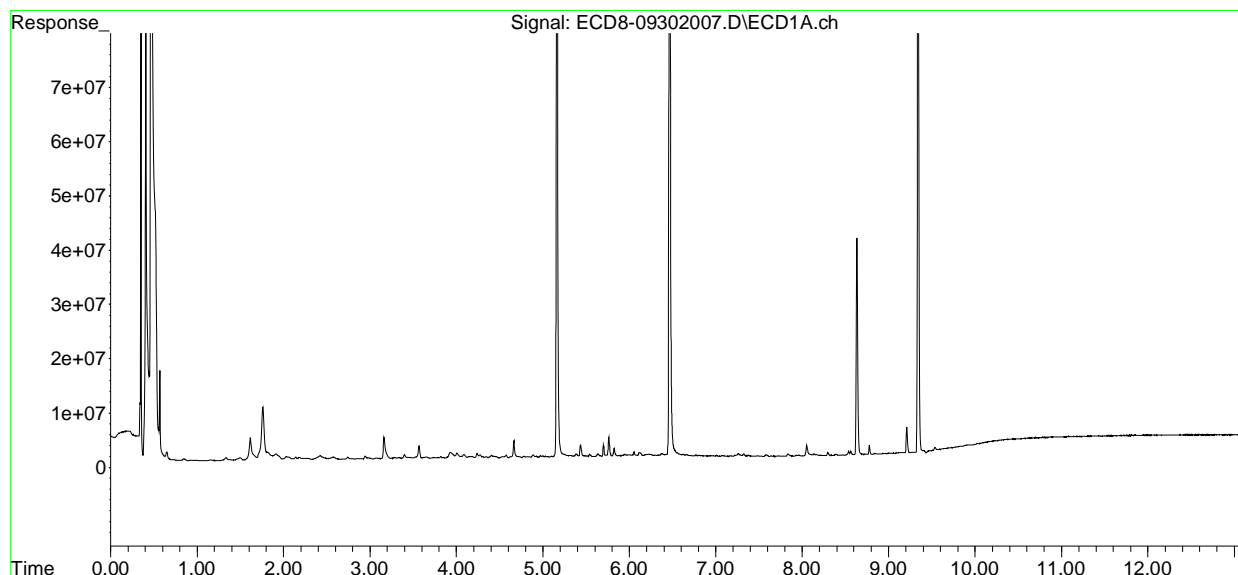
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.729	8.656	98617	61332	BelowCal	BelowCal
31)	Mirex	8.387	9.585	200599	768091	14904.377	BelowCal #
32)	Chlordane...	0.000	8.255f	0	277987	N.D.	0.629 #
33)	Chlordane...	7.529	0.000	72254	0	0.131	N.D. #
34)	Chlordane...	8.050f	9.002	1992442	107727	13.737	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.422	470748	158184	27.366	5.231 #
37)	Toxaphene...	7.580f	8.768	290071	39403	5.817	1.003 #
38)	Toxaphene...	7.930	8.801	149212	2000562	1.980	31.636 #
39)	Toxaphene...	8.165	8.880	218437	226988	BelowCal	BelowCal
40)	Toxaphene...	8.387	9.049	200599	119146	3.592	2.099 #
41)	Toxaphene...	8.444	9.431	45549	319790	0.592	4.939 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 15:07
Operator : MJB
Sample : 0090860-BLK1
Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

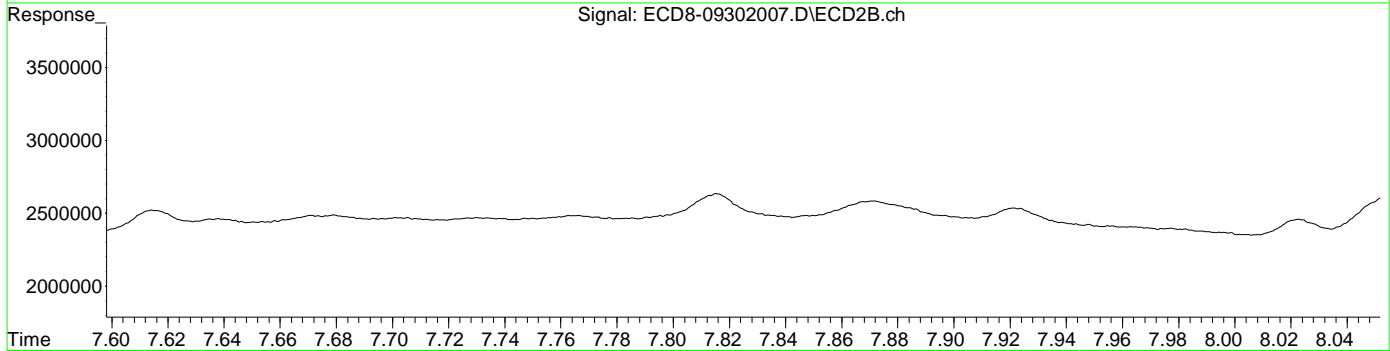
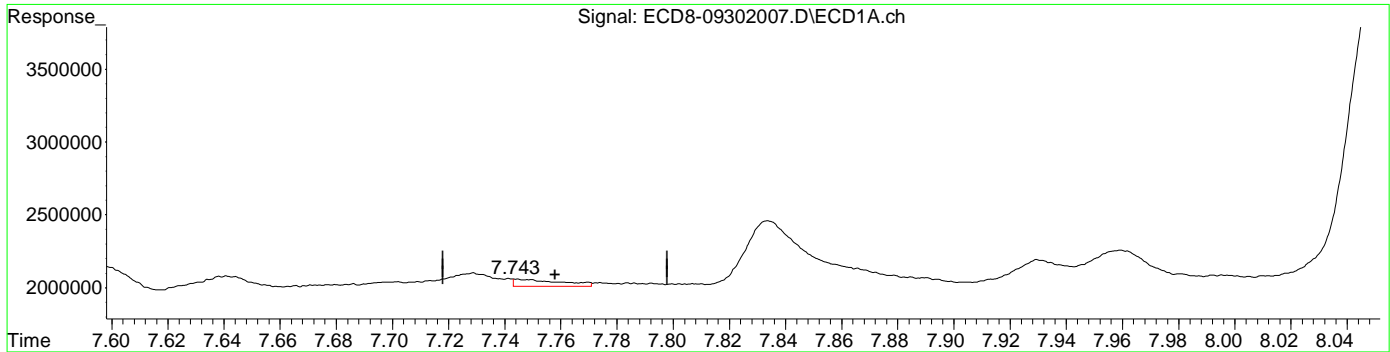
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:28:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 15:07
Operator : MJB
Sample : 0090860-BLK1
Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:28:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.743min 0.015 ng/mL m
response 50578

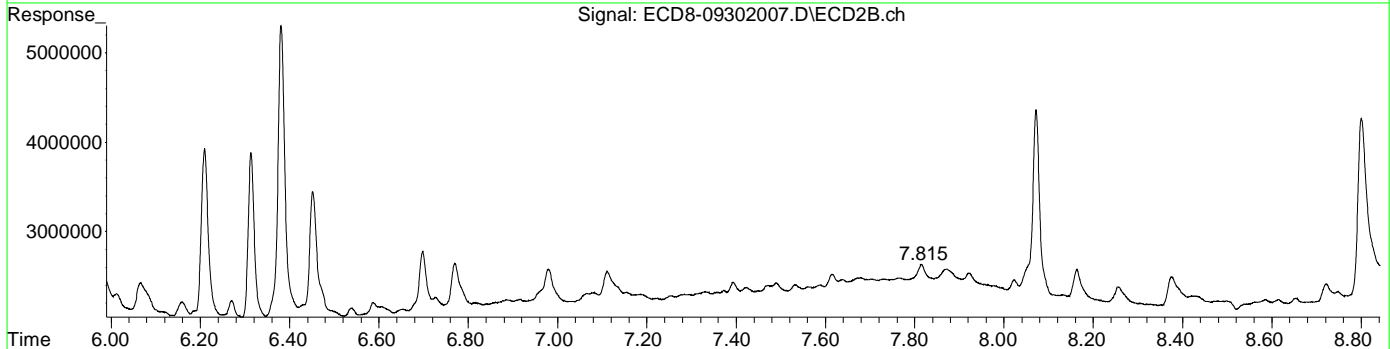
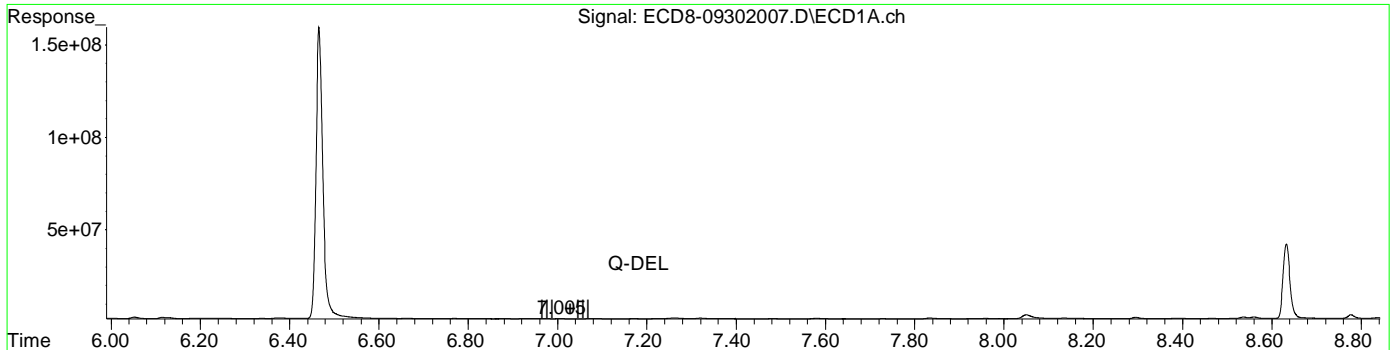
MJB 9/30/20

(15) 4,4'-DDD #2
8.656min 0.029 ng/mL
response 61332

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 15:07
Operator : MJB
Sample : 0090860-BLK1
Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:28:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(25) Oxychlordane
~~7.005min -104477.269 ng/mL~~
response ~~280158~~

MJB 9/30/20

(25) Oxychlordane #2
7.816min -0.034 ng/mL
response 585894

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:07
 Operator : MJB
 Sample : 0090860-BLK1
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:28:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.164	5.900	119.3E6	119.5E6	31.956	34.052
22) S DCBP (S)	9.342	10.426	129.9E6	104.5E6	42.631	48.573
Target Compounds						
2) a-BHC	5.703	6.538f	2313871	251953	0.470	0.098 #
3) g-BHC	5.991	6.815	480824	277018	0.109	0.071 #
4) b-BHC	6.052	6.886	1077977	304324	0.543	0.161 #
5) Heptachlor	6.374	7.186	667361	328369	0.158	0.052 #
6) d-BHC	6.199	7.155f	512015	357430	0.124	0.126
7) Aldrin	6.625	7.450	468239	337899	0.107	0.083
8) Heptachlo...	7.074	7.872	219238	528944	0.054	0.144 #
9) trans-Chl...	7.172	8.023	167975	387299	0.041	0.105 #
10) cis-Chlor...	7.261	8.132	573196	207152	0.140	0.058 #
11) Endosulfa...	7.355	8.163	171856	491501	0.046	0.148 #
12) 4,4'-DDE	7.355	8.255	171856	277987	0.042	0.099 #
13) Dieldrin	7.529	8.376	72254	381759	0.017	0.104 #
14) Endrin	7.702	8.615	42124	67584	0.014	BelowCal #
15) 4,4'-DDD	7.770	8.656	23706	61332	0.007	0.029 #
16) Endosulfa...	7.834	8.748	436696	100362	0.135	0.034 #
17) 4,4'-DDT	7.959	8.880	209800	226988	0.068	0.073
18) Endrin Al...	8.134	9.002	367807	107727	0.112	0.038 #
19) Endosulfa...	8.427	9.148f	12268	237845	0.004	0.052 #
20) Methoxychlor	8.295	9.361	661091	834047	0.436	0.562 #
21) Endrin Ke...	8.632	9.585	40027963	768091	17.317	0.361 #
23) Hexachlor...	2.946	3.577f	604017	3414869	BelowCal	0.697
24) Hexachlor...	5.542	6.381	641295	3423811	BelowCal	0.812
25) Oxychlorane	7.005	7.816	280158	585894	104477.269	BelowCal #
26) 2,4'-DDE	7.090	8.023	213315	387299	BelowCal	BelowCal
27) trans-Non...	7.261	8.072	573196	2282124	BelowCal	0.465
28) 2,4'-DDD	7.481f	8.376	129042	381759	BelowCal	BelowCal
29) 2,4'-DDT	7.641	8.615	89058	67584	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:07
 Operator : MJB
 Sample : 0090860-BLK1
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:28:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

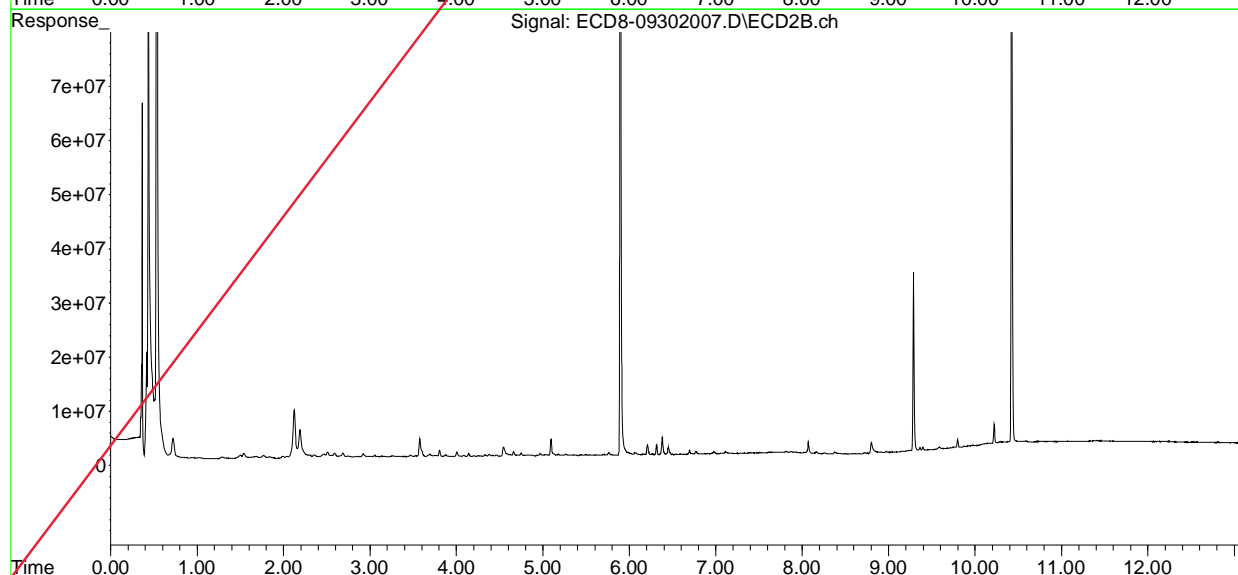
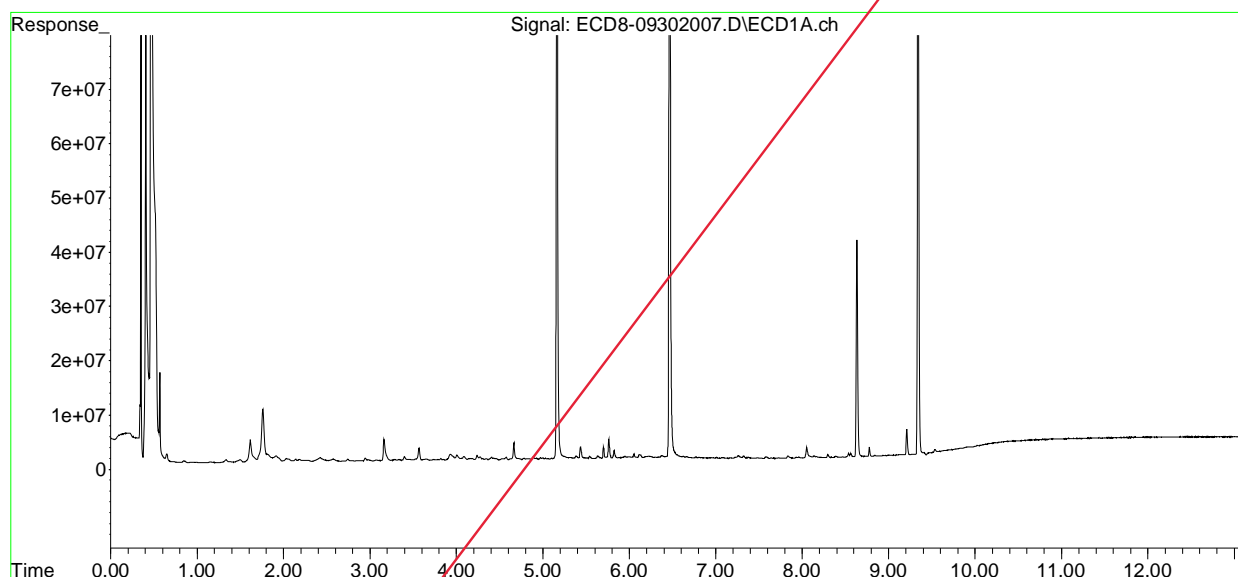
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.729	8.656	98617	61332	BelowCal	BelowCal
31)	Mirex	8.387	9.585	200599	768091	14904.377	BelowCal #
32)	Chlordane...	0.000	8.255f	0	277987	N.D.	0.629 #
33)	Chlordane...	7.529	0.000	72254	0	0.131	N.D. #
34)	Chlordane...	8.050f	9.002	1992442	107727	13.737	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.422	470748	158184	27.366	5.231 #
37)	Toxaphene...	7.580f	8.768	290071	39403	5.817	1.003 #
38)	Toxaphene...	7.930	8.801	149212	2000562	1.980	31.636 #
39)	Toxaphene...	8.165	8.880	218437	226988	BelowCal	BelowCal
40)	Toxaphene...	8.387	9.049	200599	119146	3.592	2.099 #
41)	Toxaphene...	8.444	9.431	45549	319790	0.592	4.939 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 15:07
Operator : MJB
Sample : 0090860-BLK1
Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:28:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:23
 Operator : MJB
 Sample : 0090860-BS1
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:31:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.163	5.900	137.0E6	138.5E6	36.697	39.461
22) S DCBP (S)	9.342	10.424	133.0E6	102.4E6	43.644	47.631
Target Compounds						
2) a-BHC	5.694	6.500	212.8E6	214.5E6	43.222	45.385
3) g-BHC	5.975	6.817	188.8E6	186.8E6	42.680	44.843
4) b-BHC	6.050	6.881	76933467	78601908	38.750	41.694
5) Heptachlor	6.383	7.186	189.4E6	187.4E6	44.740	45.944
6) d-BHC	6.196	7.134	175.8E6	185.5E6	42.610	45.747
7) Aldrin	6.621	7.450	192.2E6	168.0E6	44.045	43.129
8) Heptachlo...	7.077	7.886	176.8E6	169.7E6	43.666	46.352
9) trans-Chl...	7.173	8.026	184.2E6	174.7E6	44.528	47.150
10) cis-Chlor...	7.269	8.133	180.3E6	167.9E6	43.967	47.324
11) Endosulfa...	7.362	8.183	173.5E6	159.7E6	45.979	48.222
12) 4,4'-DDE	7.341	8.242	176.1E6	172.2E6	43.072	46.362
13) Dieldrin	7.534	8.382	196.2E6	186.5E6	46.392	50.701
14) Endrin	7.695	8.609	162.4E6	144.5E6	53.703	54.700
15) 4,4'-DDD	7.756	8.656	150.0E6	146.3E6	44.901	47.380
16) Endosulfa...	7.849	8.755	150.6E6	148.2E6	46.581	50.528
17) 4,4'-DDT	7.954	8.881	161.0E6	152.4E6	52.093	53.036
18) Endrin Al...	8.137	8.992	124.6E6	127.9E6	37.852	44.918
19) Endosulfa...	8.435	9.182	147.2E6	141.5E6	50.824	54.561
20) Methoxychlor	8.295	9.361	83406758	78520284	55.035	52.954
21) Endrin Ke...	8.627	9.580	223.4E6	164.3E6	96.655	84.660
23) Hexachlor...	2.948	3.577f	592774	4678310	BelowCal	1.039
24) Hexachlor...	5.542	6.381	591692	3160142	BelowCal	0.732
25) Oxychlorane	7.015	7.810	860614	1074549	0.067	0.137 #
26) 2,4'-DDE	7.077	8.026	176.8E6	174.7E6	67.792	72.118
27) trans-Non...	7.269	8.070	180.3E6	5276537	47.732	1.408 #
28) 2,4'-DDD	7.452	8.382	381236	186.5E6	BelowCal	85.932
29) 2,4'-DDT	7.641	8.609	537839	144.5E6	0.049	65.413 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:23
 Operator : MJB
 Sample : 0090860-BS1
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:31:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

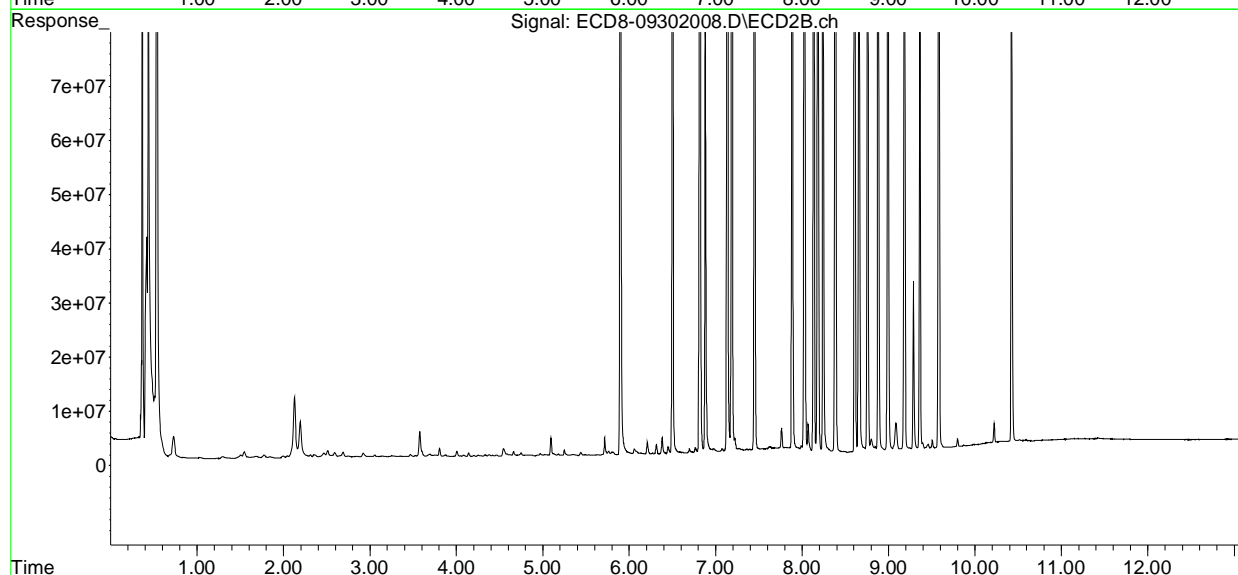
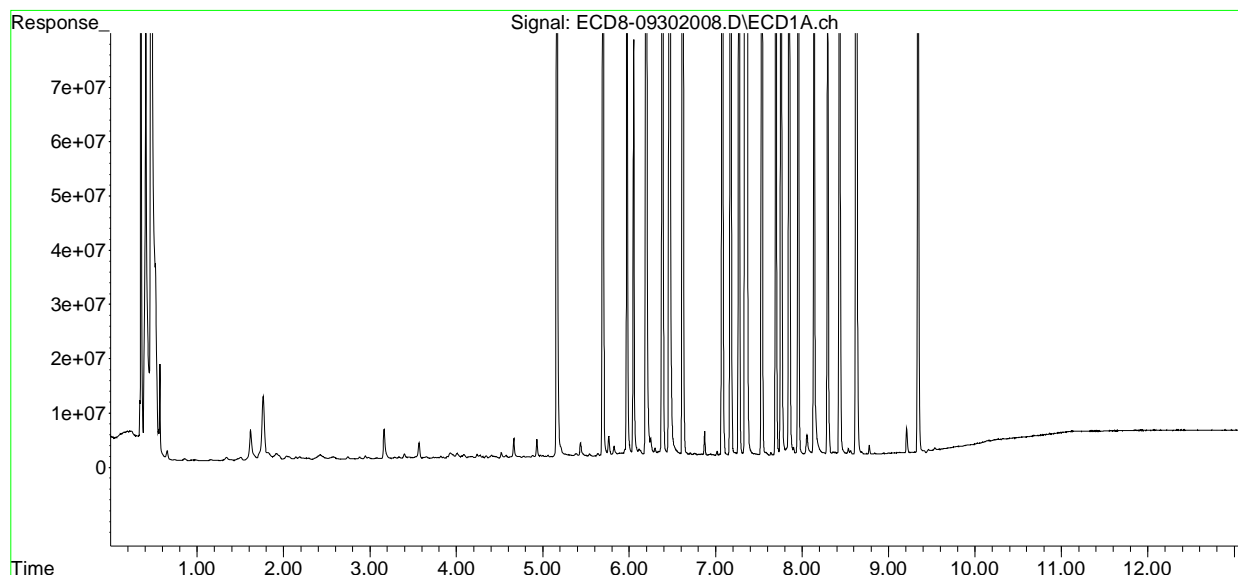
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.756f	8.656	150.0E6	146.3E6	36.568	39.668
31)	Mirex	8.380	9.580	455310	164.3E6	14904.279	73.082 #
32)	Chlordane...	7.452f	8.242	381236	172.2E6	0.843	389.692 #
33)	Chlordane...	7.534	0.000	196.2E6	0	356.586	N.D. #
34)	Chlordane...	8.055	8.992	3756768	127.9E6	25.902	1068.238 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.341f	0.000	176.1E6	0	10236.393	N.D. #
37)	Toxaphene...	7.577f	8.755	606634	148.2E6	15.566	3772.237 #
38)	Toxaphene...	7.902	8.800	1372686	2276576	18.218	36.001 #
39)	Toxaphene...	8.137f	8.881	124.6E6	152.4E6	1739.918	1433.469
40)	Toxaphene...	8.380	9.085f	455310	4986236	8.152	87.824 #
41)	Toxaphene...	8.435	9.427	147.2E6	167773	1914.813	2.591 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 15:23
Operator : MJB
Sample : 0090860-BS1
Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:31:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:40
 Operator : MJB
 Sample : 0090860-BS2
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:32:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 9/30/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.163	5.899	99804995	102.4E6	26.740	29.173
22) S DCBP (S)	9.342	10.424	136.4E6	112.5E6	44.769	52.120
Target Compounds						
2) a-BHC	5.702	6.536f	2582598	337683	0.524	0.117 #
3) g-BHC	5.972	6.818	938858	473921	0.212	0.122 #
4) b-BHC	6.051	6.887	1492574	528891	0.752	0.281 #
5) Heptachlor	6.382	7.186	1222566	841903	0.289	0.187 #
6) d-BHC	6.195	7.154f	790038	659904	0.192	0.206
7) Aldrin	6.624	7.448	617146	824802	0.141	0.217 #
8) Heptachlo...	7.092	7.868	98586593	1542179	24.346	0.421 #
9) trans-Chl...	7.171	8.021	514712	98254229	0.124	26.517 #
10) cis-Chlor...	7.263	8.158f	155.1E6	813364	37.825	0.229 #
11) Endosulfa...	7.377	8.202f	357873	493346	0.095	0.149 #
12) 4,4'-DDE	7.341	8.255	396299	379718	0.097	0.129 #
13) Dieldrin	7.524	8.392	1045813	95226806	0.247	25.893 #
14) Endrin	7.728f	8.616	186.5E6	109.2E6	61.696	42.163 #
15) 4,4'-DDD	7.728f	8.653	186.5E6	178.0E6	55.853	56.780
16) Endosulfa...	7.832	8.718f	717431	290832	0.222	0.099 #
17) 4,4'-DDT	7.956	8.880	459682	203493	0.149	0.063 #
18) Endrin Al...	8.134	8.996	462563	237190	0.140	0.083 #
19) Endosulfa...	8.465f	9.184	87749	108028	0.030	BelowCal #
20) Methoxychlor	8.296	9.361	202132	415885	0.133	0.280 #
21) Endrin Ke...	8.632	9.570	41301708	107.1E6	17.868	58.019 #
23) Hexachlor...	2.947	3.604	102.5E6	123.6E6	29.341	32.244
24) Hexachlor...	5.542	6.364	98379529	98607002	27.366	28.797
25) Oxychlorane	7.006	7.815	121.6E6	114.7E6	35.426	38.104
26) 2,4'-DDE	7.092	8.021	98586593	98254229	38.023	42.051
27) trans-Non...	7.263	8.089	155.1E6	145.4E6	41.045	43.310
28) 2,4'-DDD	7.459	8.392	102.1E6	95226806	45.195	46.012
29) 2,4'-DDT	7.642	8.616	118.2E6	109.2E6	49.963	50.379

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:40
 Operator : MJB
 Sample : 0090860-BS2
 Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:32:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

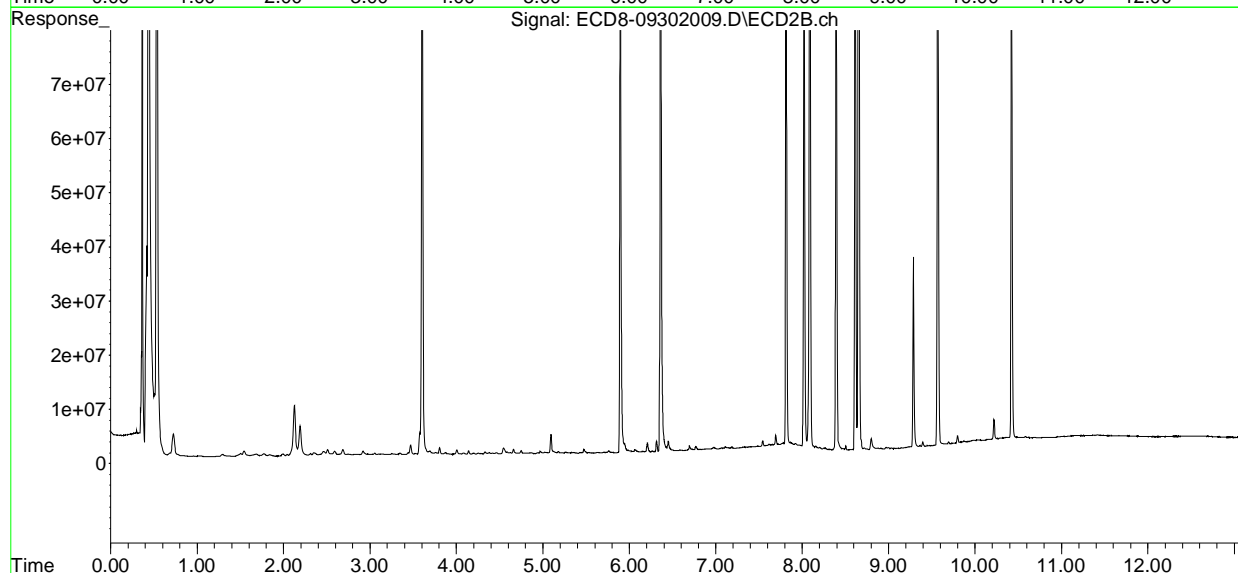
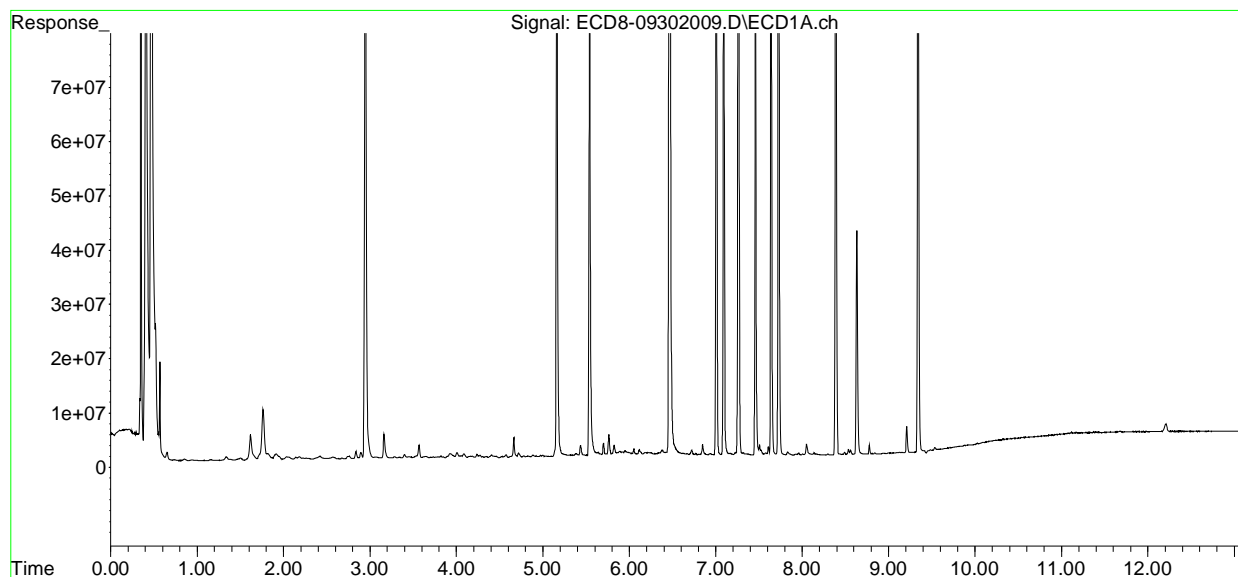
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.728	8.653	186.5E6	178.0E6	45.471	47.843
31)	Mirex	8.387	9.570	114.6E6	107.1E6	43.684	48.469
32)	Chlordane...	7.459f	8.202f	102.1E6	493346	225.705	1.117 #
33)	Chlordane...	7.524	0.000	1045813	0	1.901	N.D. #
34)	Chlordane...	8.048f	8.996	2074829	237190	14.305	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.318	8.392f	589907	95226806	34.293	3149.337 #
37)	Toxaphene...	7.610	8.800f	1597308	1979504	46.082	50.373
38)	Toxaphene...	7.930	8.800	210996	1979504	2.800	31.303 #
39)	Toxaphene...	8.164	8.863	203307	193161	BelowCal	BelowCal
40)	Toxaphene...	8.387	9.032	114.6E6	135364	2052.239	2.384 #
41)	Toxaphene...	8.465	9.449f	87749	376093	1.141	5.809 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 15:40
Operator : MJB
Sample : 0090860-BS2
Misc : 1x, 8081B +Add/2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:32:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:57
 Operator : MJB
 Sample : A0I0556-41RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

R-04

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:56:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.163	5.899	28955536	29400832	7.758	8.376
22) S DCBP (S)	9.342	10.424	34236446	27433888	11.088	12.988
Target Compounds						
2) a-BHC	5.702	6.498	1410420	87673	0.286	0.061 #
3) g-BHC	5.973	6.809	390460	308337	0.088	0.079
4) b-BHC	6.051	6.894	736770	282162	0.371	0.150 #
5) Heptachlor	6.385	7.184	378146	157569	0.089	0.007 #
6) d-BHC	6.195	7.132	522166	183596	0.127	0.081 #
7) Aldrin	6.622	7.468	217043	313825	0.050	0.077 #
8) Heptachlo...	7.091	7.881	424773	418824	0.105	0.114
9) trans-Chl...	7.171	8.030	133822	715644	0.032	0.193 #
10) cis-Chlor...	7.291f	8.161f	153831	551530	0.038	0.155 #
11) Endosulfa...	7.373	8.161f	204858	551530	0.054	0.167 #
12) 4,4'-DDE	7.340	8.242	532967	416137	0.130	0.140
13) Dieldrin	7.547	8.377	242832	1300697	0.057	0.354 #
14) Endrin	7.710	8.617	1565597	310925	0.518	0.094 #
15) 4,4'-DDD	7.755	8.654	1505066	1701022	0.451	0.602 #
16) Endosulfa...	7.836	8.749	576774	710440	0.178	0.242 #
17) 4,4'-DDT	7.967	8.890	2450696	1027823	0.793	0.384 #
18) Endrin Al...	8.133	9.006	729573	949805	0.222	0.334 #
19) Endosulfa...	8.438	9.198	15201832	2914776	5.249	1.176 #
20) Methoxychlor	8.312	9.346	4133304	504051	2.727	0.340 #
21) Endrin Ke...	8.632	9.578	22023522	2129368	9.528	1.191 #
23) Hexachlor...	2.947	3.607	295290	501496	BelowCal	BelowCal
24) Hexachlor...	5.542	6.361	466443	413932	BelowCal	BelowCal
25) Oxychlorane	0.000	7.810	0	3443853	N.D.	0.961 #
26) 2,4'-DDE	7.091	8.030	424773	715644	BelowCal	0.120
27) trans-Non...	7.249	8.072	470268	2202882	BelowCal	0.440
28) 2,4'-DDD	7.461	8.377	1586723	1300697	0.515	0.458
29) 2,4'-DDT	7.629	8.617	1769975	310925	0.581	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 15:57
 Operator : MJB
 Sample : A0I0556-41RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 17:56:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

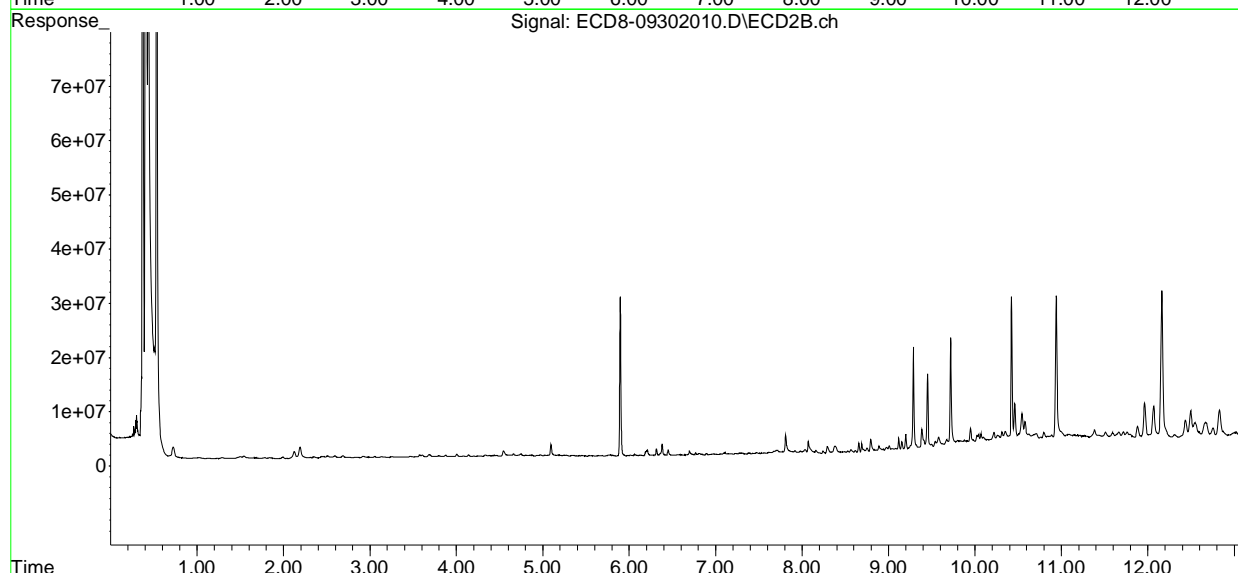
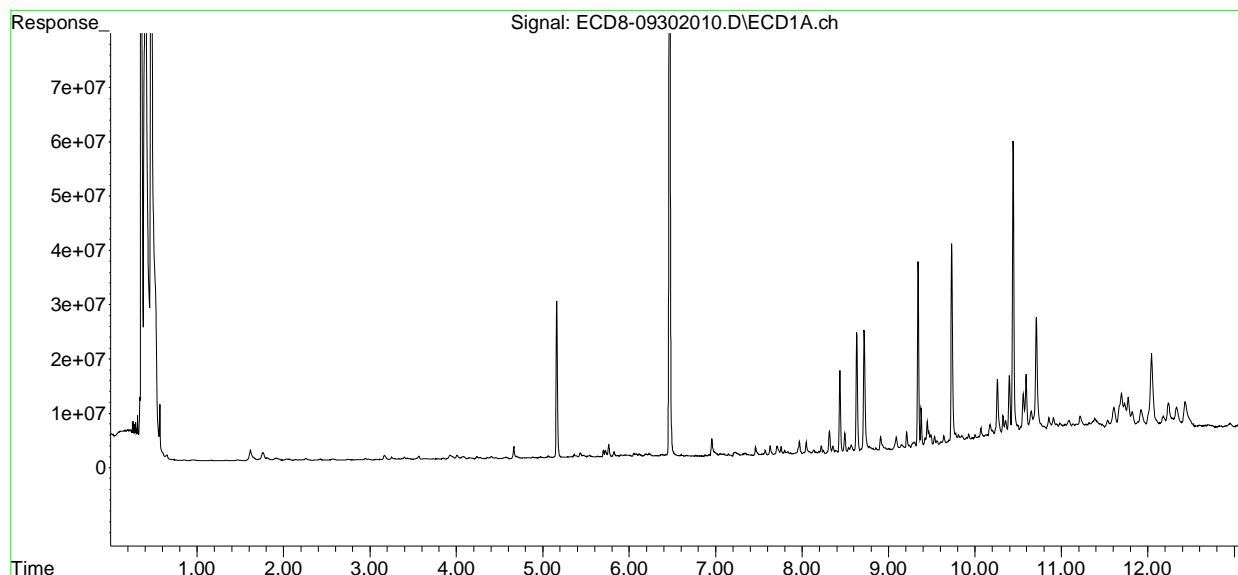
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.710	8.654	1565597	1701022	0.202	0.304 #
31)	Mirex	8.387	9.578	492035	2129368	14904.265	0.598 #
32)	Chlordane...	7.415	8.242	94840	416137	0.210	0.942 #
33)	Chlordane...	7.512	8.348	107265	189994	0.195	0.510 #
34)	Chlordane...	8.089	9.006	460169	949805	3.173	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.318	8.454f	386798	131663	22.486	4.354 #
37)	Toxaphene...	7.629f	8.749f	1769975	710440	51.402	18.079 #
38)	Toxaphene...	7.914	8.795	202158	2255249	2.683	35.664 #
39)	Toxaphene...	8.163	8.860	355554	223039	0.354	BelowCal #
40)	Toxaphene...	8.387	9.047	492035	369770	8.810	6.513 #
41)	Toxaphene...	8.438	9.450f	15201832	13878898	197.743	214.354
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 15:57
Operator : MJB
Sample : A0I0556-41RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 17:56:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 17:36
 Operator : MJB
 Sample : 0I30064-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 18:10:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.162	5.900	332.8E6	341.1E6	89.152	97.173
22) S DCBP (S)	9.341	10.423	275.7E6	242.5E6	90.493	107.332
Target Compounds						
2) a-BHC	5.694	6.501	496.0E6	522.8E6	100.718	102.079
3) g-BHC	5.974	6.816	443.2E6	467.5E6	100.194	102.674
4) b-BHC	6.049	6.880	173.5E6	177.9E6	87.406	94.341
5) Heptachlor	6.383	7.186	447.8E6	481.5E6	105.765	108.384
6) d-BHC	6.195	7.134	386.0E6	439.5E6	93.587	100.482
7) Aldrin	6.621	7.450	447.6E6	411.7E6	102.561	98.023
8) Heptachlo...	7.077	7.886	394.3E6	394.0E6	97.379	107.641
9) trans-Chl...	7.172	8.025	415.6E6	398.4E6	100.447	107.531
10) cis-Chlor...	7.269	8.133	390.7E6	400.2E6	95.259	112.808
11) Endosulfa...	7.362	8.182	389.9E6	367.5E6	103.331	110.952
12) 4,4'-DDE	7.342	8.242	370.2E6	400.0E6	90.545	99.081
13) Dieldrin	7.533	8.382	433.3E6	427.5E6	102.466	116.247
14) Endrin	7.695	8.609	352.9E6	346.2E6	116.707	118.971
15) 4,4'-DDD	7.757	8.656	306.2E6	328.7E6	91.673	98.446
16) Endosulfa...	7.849	8.755	315.6E6	324.8E6	97.606	110.725
17) 4,4'-DDT	7.954	8.882	329.4E6	340.3E6	106.607	106.975
18) Endrin Al...	8.137	8.992	264.5E6	288.9E6	80.341	101.499 #
19) Endosulfa...	8.434	9.181	315.8E6	319.8E6	109.027	113.251
20) Methoxychlor	8.296	9.361	156.8E6	160.0E6	103.488	107.885
21) Endrin Ke...	8.626	9.580	379.8E6	383.7E6	164.326	170.621 Q-41
23) Hexachlor...	0.000	3.600	0	11172	N.D.	BelowCal
24) Hexachlor...	5.540	6.350	729158	132370	BelowCal	BelowCal
25) Oxychlorane	7.015	0.000	1720173	0	0.319	N.D. #
26) 2,4'-DDE	7.077	8.025	394.3E6	398.4E6	148.185	150.131
27) trans-Non...	7.269	8.087	390.7E6	3295453	103.412	0.784 #
28) 2,4'-DDD	0.000	8.382	0	427.5E6	N.D.	177.589 #
29) 2,4'-DDT	7.641	8.609	930408	346.2E6	0.218	142.516 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 17:36
 Operator : MJB
 Sample : 0I30064-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 18:10:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

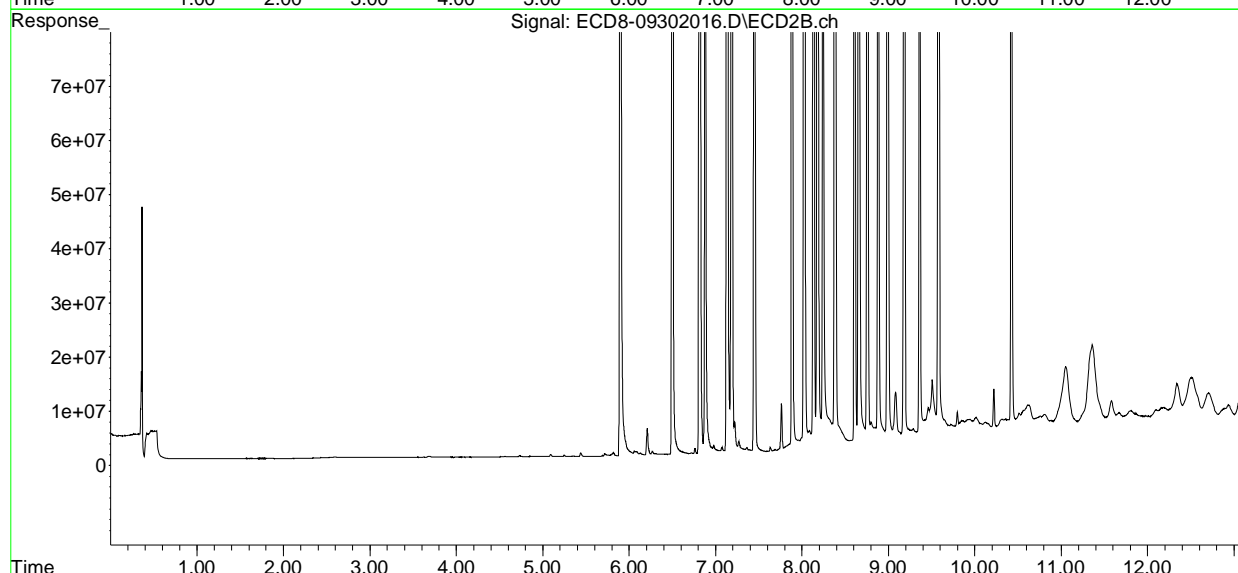
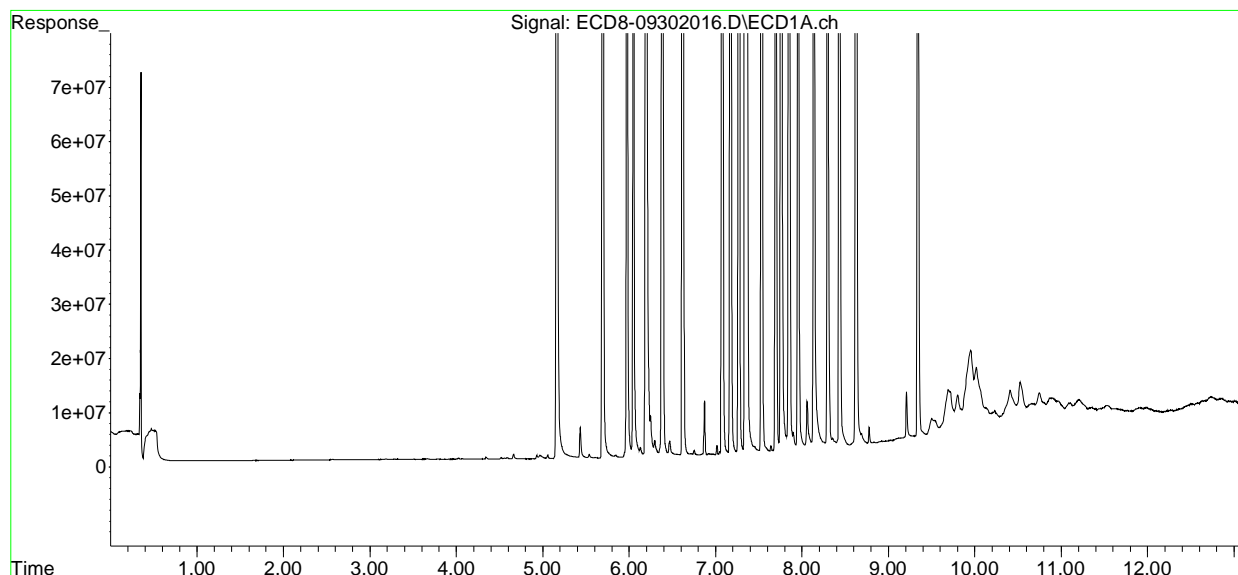
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.757f	8.656	306.2E6	328.7E6	74.422	84.975
31)	Mirex	8.380	9.580	843634	383.7E6	0.036	159.912 #
32)	Chlordane...	0.000	8.242	0	400.0E6	N.D.	905.296 #
33)	Chlordane...	7.533	8.352	433.3E6	4239159	787.591	11.389 #
34)	Chlordane...	8.059	8.992	8561405	288.9E6	59.029	2179.476 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.342f	0.000	370.2E6	0	21518.518	N.D. #
37)	Toxaphene...	7.641f	8.755	930408	324.8E6	25.537	8266.323 #
38)	Toxaphene...	7.901	8.801	3045132	3948122	40.414	62.434 #
39)	Toxaphene...	8.137	8.882	264.5E6	340.3E6	3463.190	2823.491
40)	Toxaphene...	8.380	9.083f	843634	9022448	15.105	158.914 #
41)	Toxaphene...	8.434	9.427	315.8E6	3543853	4107.626	54.733 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 17:36
Operator : MJB
Sample : 0I30064-CCV3
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 18:10:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 17:53
 Operator : MJB
 Sample : 0I30064-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 18:12:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.138f	5.896	2442715	34021	0.654	0.010 #
22) S DCBP (S)	9.352	10.416	640452	1260791	BelowCal	0.367
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.987	6.818	130136	14510	0.029	0.003 #
4) b-BHC	6.049	6.885	122203	54893	0.062	0.029 #
5) Heptachlor	6.382	7.185	850135	880347	0.201	0.197
6) d-BHC	6.180	7.138	104588	259241	0.025	0.101 #
7) Aldrin	6.619	7.448	22074	171672	0.005	0.038 #
8) Heptachlo...	7.093	7.880	217.9E6	1462288	53.806	0.399 #
9) trans-Chl...	7.169	8.021	1502206	237.3E6	0.363	64.043 #
10) cis-Chlor...	7.262	8.131	387.2E6	4343765	94.426	1.224 #
11) Endosulfa...	7.345	8.197	814813	2833438	0.216	0.855 #
12) 4,4'-DDE	7.345	8.240	814813	2796502	0.199	0.832 #
13) Dieldrin	7.505f	8.393	6044844	208.3E6	1.429	56.640 #
14) Endrin	7.728f	8.615	409.4E6	242.7E6	135.384	87.359 #
15) 4,4'-DDD	7.728f	8.652	409.4E6	400.2E6	122.562	116.745
16) Endosulfa...	7.881f	0.000	125998	0	0.039	N.D. #
17) 4,4'-DDT	7.957	8.860f	187516	2897330	0.061	1.110 #
18) Endrin Al...	8.137	8.996	289154	2615359	0.088	0.919 #
19) Endosulfa...	8.427	9.204f	1327144	818598	0.458	0.296 #
20) Methoxychlor	8.293	9.337f	82646	650343	0.055	0.439 #
21) Endrin Ke...	8.634	9.569	432647	239.9E6	0.187	116.716 #
23) Hexachlor...	2.947	3.603	339.0E6	433.9E6	97.394	105.893
24) Hexachlor...	5.541	6.364	309.4E6	314.7E6	85.463	86.523
25) Oxychlorane	7.006	7.815	332.7E6	332.5E6	97.276	103.546
26) 2,4'-DDE	7.093	8.021	217.9E6	237.3E6	83.228	95.277
27) trans-Non...	7.262	8.088	387.2E6	388.3E6	102.509	107.794
28) 2,4'-DDD	7.460	8.393	194.8E6	208.3E6	85.788	94.980
29) 2,4'-DDT	7.642	8.615	232.1E6	242.7E6	96.747	104.587

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 17:53
 Operator : MJB
 Sample : 0I30064-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 18:12:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

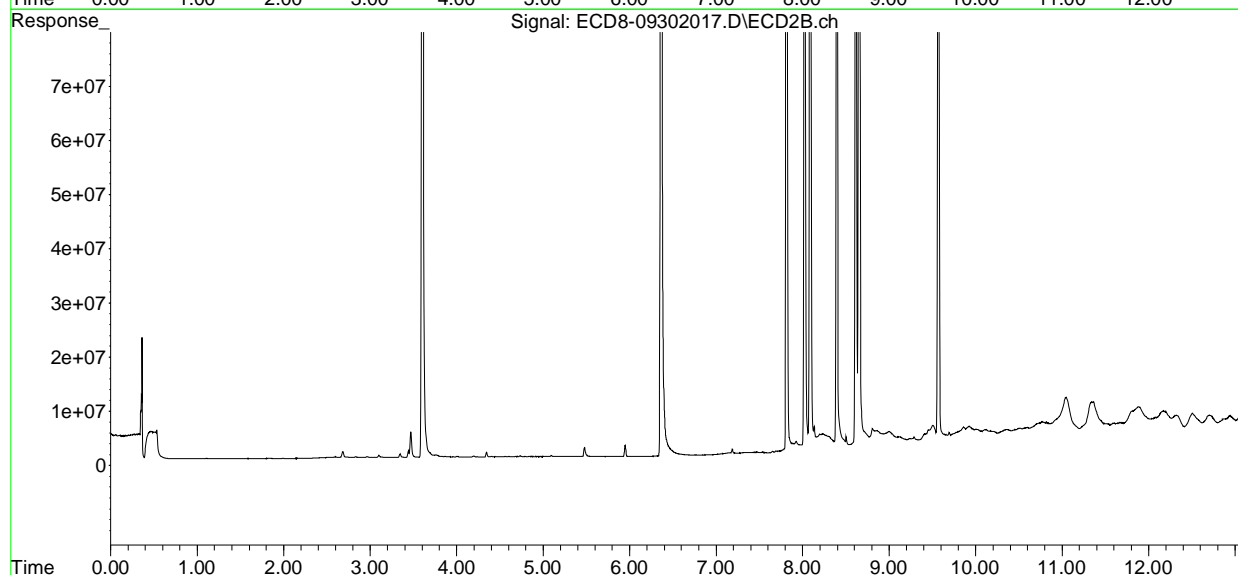
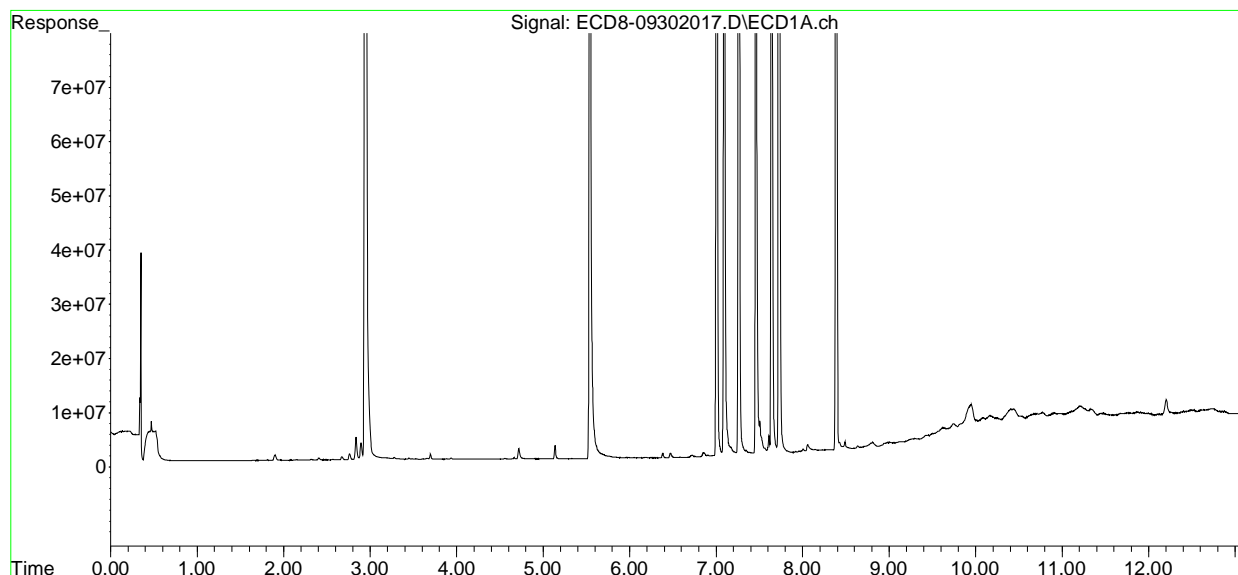
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.728	8.652	409.4E6	400.2E6	99.188	101.688
31)	Mirex	8.387	9.569	249.6E6	239.9E6	95.790	104.250
32)	Chlordane...	7.420	8.227	264674	2814931	0.585	6.371 #
33)	Chlordane...	7.505	0.000	6044844	0	10.987	N.D. #
34)	Chlordane...	8.059	8.996	1287771	2615359	8.879	14.806 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.345f	8.393f	814813	208.3E6	47.367	6889.136 #
37)	Toxaphene...	7.610	8.807f	3299678	3248661	98.555	82.670
38)	Toxaphene...	7.918	8.807	161264	3248661	2.140	51.373 #
39)	Toxaphene...	8.147	8.860	278543	2897330	BelowCal	24.655
40)	Toxaphene...	8.387	0.000	249.6E6	0	4468.408	N.D. #
41)	Toxaphene...	8.427	9.412	1327144	1638336	17.263	25.303 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 17:53
Operator : MJB
Sample : 0I30064-CCV4
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 18:12:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 18:09
 Operator : MJB
 Sample : 0I30064-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 9/30/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 18:28:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.162	5.899	312.3E6	322.2E6	83.680	91.800
22) S DCBP (S)	9.340	10.422	259.8E6	239.2E6	85.273	105.987
Target Compounds						
2) a-BHC	5.702	0.000	63891	0	0.013	N.D. #
3) g-BHC	5.990	6.796f	33349	7709	0.008	0.001 #
4) b-BHC	0.000	6.889	0	29577	N.D.	0.016 #
5) Heptachlor	6.385	7.184	12452	74961	0.003	BelowCal #
6) d-BHC	6.191	7.140	7581	120459	0.002	0.064 #
7) Aldrin	0.000	7.440	0	58417	N.D.	0.007 #
8) Heptachlo...	7.077	0.000	48194	0	0.012	N.D. #
9) trans-Chl...	7.174	8.061f	95737	706428	0.023	0.191 #
10) cis-Chlor...	7.276	8.131	220763	471600	0.054	0.133 #
11) Endosulfa...	7.392f	8.203f	50635	599711	0.013	0.181 #
12) 4,4'-DDE	7.323	8.236	100022	567236	0.024	0.184 #
13) Dieldrin	7.536	0.000	97549	0	0.023	N.D. #
14) Endrin	7.725f	0.000	46094	0	0.015	N.D. #
15) 4,4'-DDD	7.758	8.689f	37128	303938	0.011	0.114 #
16) Endosulfa...	7.853	8.752	21900	185131	0.007	0.063 #
17) 4,4'-DDT	7.957	8.910f	70056	348533	0.023	0.120 #
18) Endrin Al...	8.135	8.991	231118	408194	0.070	0.143 #
19) Endosulfa...	8.444	0.000	119944	0	0.041	N.D. #
20) Methoxychlor	8.298	9.362	146367	302300	0.097	0.204 #
21) Endrin Ke...	8.636	9.583	455833	1172447	0.197	0.608 #
23) Hexachlor...	0.000	3.623	0	40279	N.D.	BelowCal
24) Hexachlor...	5.540	6.367	592893	87387	BelowCal	BelowCal
25) Oxychlordane	7.008	7.820	47068	177619	104477.337	BelowCal #
26) 2,4'-DDE	7.096	8.061f	50108	706428	BelowCal	Q-DEL 0.115
27) trans-Non...	7.276	8.061f	220763	706428	BelowCal	BelowCal
28) 2,4'-DDD	7.459	0.000	48335	0	BelowCal	N.D.
29) 2,4'-DDT	7.634	0.000	96579	0	BelowCal	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
 Data File : ECD8-09302018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2020 18:09
 Operator : MJB
 Sample : 0I30064-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Sep 30 18:28:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

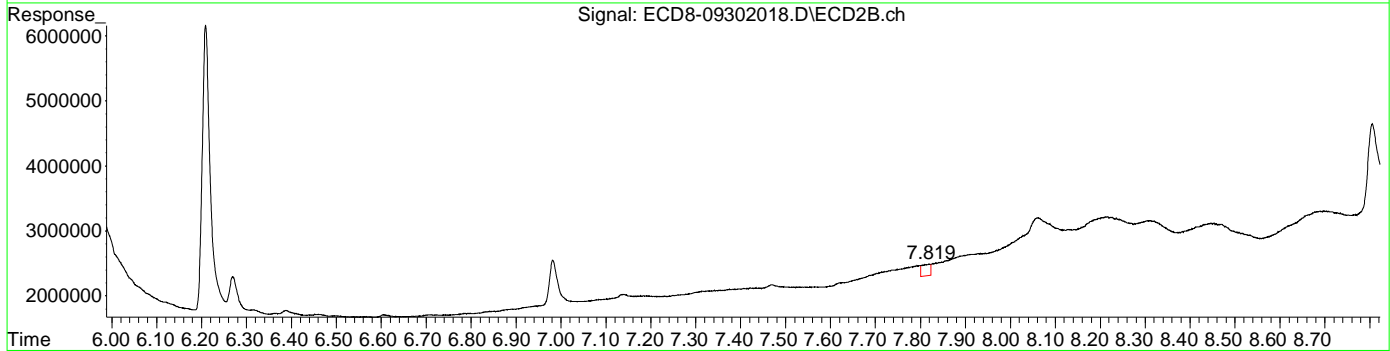
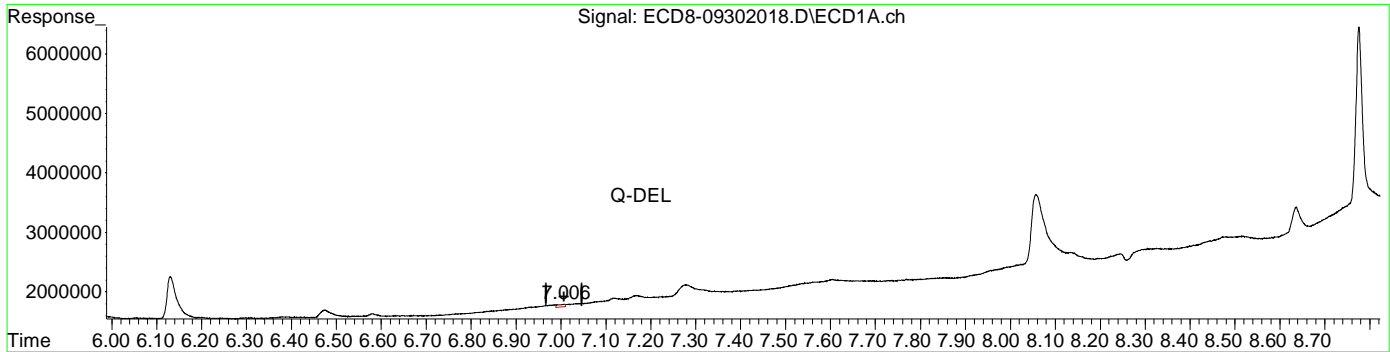
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.725	8.689f	46094	303938	BelowCal	BelowCal
31)	Mirex	8.393	9.583	76995	1172447	14904.424	Q-DEL 0.143 #
32)	Chlordane...	7.430	8.227	42515	582722	0.094	1.319 #
33)	Chlordane...	7.525	8.312f	85374	468680	0.155	1.259 #
34)	Chlordane...	8.057	8.996	1268651	398431	8.747	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.318	8.447f	111860	324074	6.503	10.718 #
37)	Toxaphene...	7.604	8.764	131535	177531	0.936	4.518 #
38)	Toxaphene...	7.917	8.806	18545	1532649	0.246	24.237 #
39)	Toxaphene...	8.161	8.910f	143740	348533	BelowCal	BelowCal
40)	Toxaphene...	8.381	9.047	73261	389312	1.312	6.857 #
41)	Toxaphene...	8.444	0.000	119944	0	1.560	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 18:09
Operator : MJB
Sample : 0I30064-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 18:28:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(25) Oxychlordane
~~7.008min -104477.337 ng/mL~~
response ~~47068~~

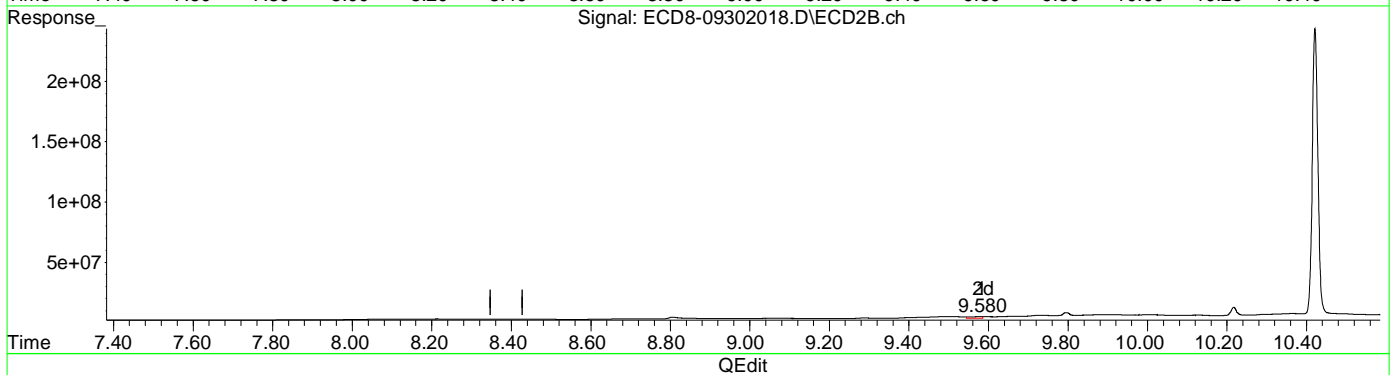
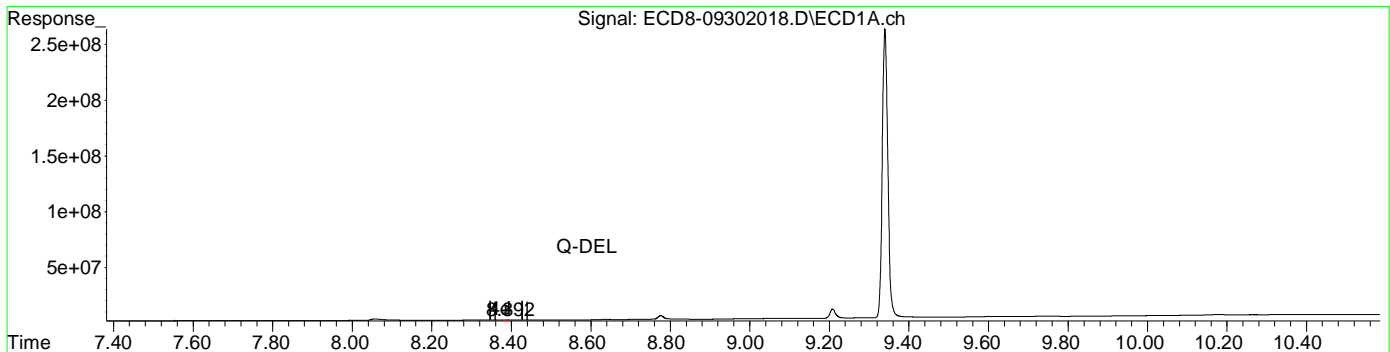
MJB 9/30/20

(25) Oxychlordane #2
7.820min -0.176 ng/mL
response 177619

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 18:09
Operator : MJB
Sample : 0I30064-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 18:28:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex
~~8.303min 14904.424 ng/mL~~
response ~~76005~~

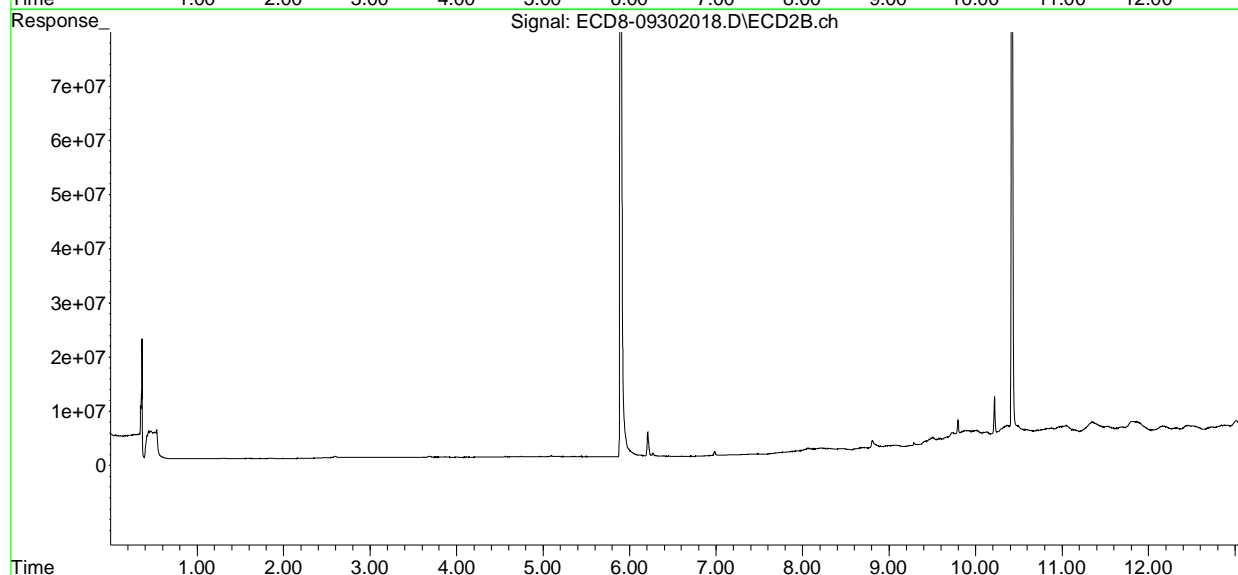
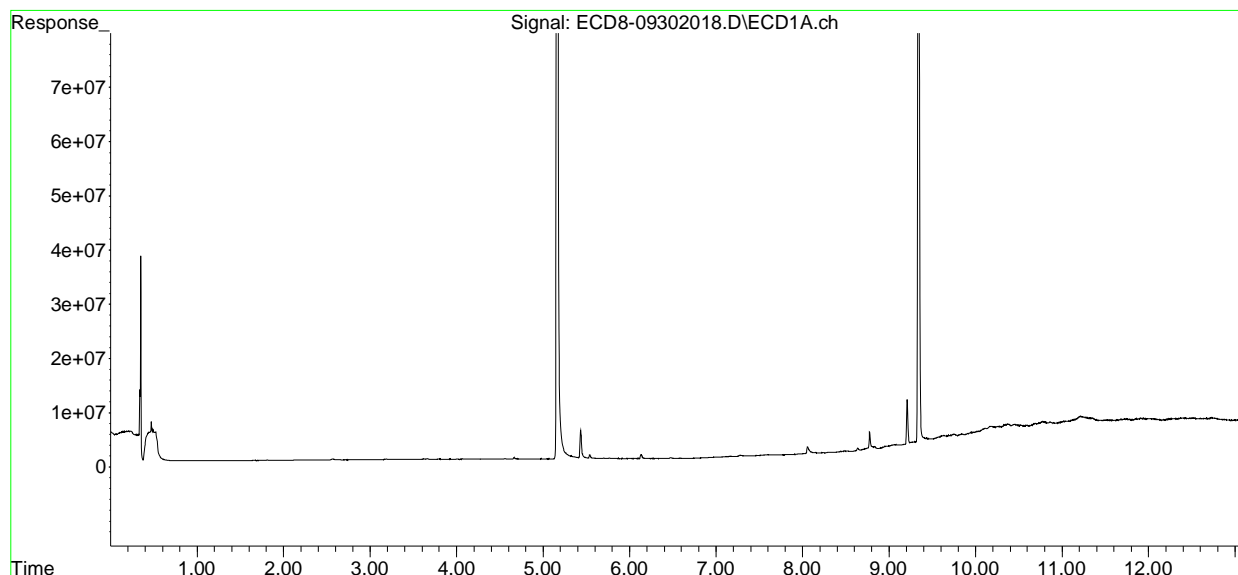
MJB 9/30/20

(31) Mirex #2
9.583min 0.143 ng/mL
response 1172447

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-09\0I30064\
Data File : ECD8-09302018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2020 18:09
Operator : MJB
Sample : 0I30064-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Sep 30 18:28:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0100038
Sequence 0J02301 (A0I0556-48RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100038 (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	5-9	>11	
	0100038-BLK1	QC	10/01/20 07:03	11	10				100						
	0100038-BS1	QC	10/01/20 07:03	10	10	A20H478		100	100						
	0100038-BS2	QC	10/01/20 07:03	10	10	A20I265		100	100						
	A0I0556-48RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.53	20				100	PDI-083SC-B-12 -14-191022	MDL. Use Custom Spike.				
	0100038-DUP1	QC	10/01/20 07:03	10.57	20		A0I0556-48RE1		100						
	A0I0707-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.27	20				100	NCPDI-069SG-2 00924	MDL				
	A0I0708-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.89	20				100	NCPDI-009SG-2 00923	MDL				
	A0I0708-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.74	20				100	NCPDI-028SG-2 00923	MDL				
	A0I0708-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.42	20				100	NCPDI-046SG-2 00923	MDL				
	0100038-MS1	QC	10/01/20 07:03	10.48	20	A20H478	A0I0708-03RE1	100	100						
	0100038-MS2	QC	10/01/20 07:03	10.37	20	A20I265	A0I0708-03RE1	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
A20G009	12/28/20	n-Hexane Lot# 200528	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20H026	01/31/21	DCM CHEM PROD. DZ242-US	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			

From 0100001 on 10/1/2020 by agr

Prepared By: _____ Date _____


 Reviewed By: _____ Date 10/5/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100038 (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	5-8	>11
	0100038-BLK1	QC	10/01/20 07:03	11	8.10				100		4ml	2ml			
	0100038-BS1	QC	10/01/20 07:03	10	8.10	A20H478		100	100		4ml	2ml			
	0100038-BS2	QC	10/01/20 07:03	10	8.10	A20I265		100	100		4ml	2ml			
	A010556-48RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.53	8.20		sum 10.05.2020		100	PDI-083SC-B-12-14-191022	MDL. Use Custom Spike. 0.5ml	2ml			
	0100038-DUP1	QC	10/01/20 07:03	10.57	8.20		A010556-48RE1		100		0.5ml	2ml			
	A010707-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.27	8.20				100	NCPDI-069SG-200924	MDL 0.5ml	2ml			
	A010708-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.89	8.20				100	NCPDI-009SG-200923	MDL 0.5ml	2ml			
	A010708-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.74	8.20				100	NCPDI-028SG-200923	MDL 0.5ml	2ml			
	A010708-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10.42	8.20				100	NCPDI-046SG-200923	MDL 0.5ml	2ml			
	0100038-MS1	QC	10/01/20 07:03	10.48	8.20	A20H478	A010708-03RE1	100	100		0.5ml	2ml			
	0100038-MS2	QC	10/01/20 07:03	10.37	8.20	A20I265	A010708-03RE1	100	100		0.5ml	2ml			

Standards/Reagents

sum 10-05-2020

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20G009	12/28/20	n-Hexane Lot# 200528	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20H026	01/31/21	DCM CHEM PROD. DZ242-US	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			

From 0100001 on 10/1/2020 by agr

Prepared By: AG Date: 10-01-2020

Reviewed By: MJB Date: 10/5/20

10/01/2020 (Exchange/Vial BLK1 -> MS1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100001 (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
1	0100001-BLK1	QC	10/01/20 07:03	10 11	5 ✓				100				
2	0100001-BS1	QC	10/01/20 07:03	10 10	5 ✓	A20H478		100	100				
3	0100001-BS2	QC	10/01/20 07:03	10 10	5 ✓	A20I265		100	100				
4	A0I0556-48	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10 10.53	5 ✓				100	PDI-083SC-B-12-14-191022	MDL. Use Custom Spike Sed (mud) (S)		
5	0100001-DUP1	QC	10/01/20 07:03	10 10.57	5 ✓		A0I0556-48		100		Sed (mud) (S)		
6	A0I0707-01	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10 10.27	5 ✓				100	NCPDI-069SG-2 00924	MDL Sed (mud), rocks, org, decanted (S)		
7	A0I0708-01	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10 10.89	5 ✓				100	NCPDI-009SG-2 00923	MDL Sed (mud), decanted (S)		
8	A0I0708-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10 10.74	5 ✓				100	NCPDI-028SG-2 00923	MDL Sed (mud), decanted (S)		
9	A0I0708-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/01/20 07:03	10 10.42	5 ✓				100	NCPDI-046SG-2 00923	MDL Sed (mud), rocks (S)		
10	0100001-MS1	QC	10/01/20 07:03	10 10.48	5 ✓	A20H478	A0I0708-03	100	100		Sed (mud), rocks (S)		
11	0100001-MS2	QC	10/01/20 07:03	10 10.37	5 ✓	A20I265	A0I0708-03	100	100		Sed. (mud), rocks (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	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20I084	02/21/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperature achieved.

Initial: SCC

Witness: MEB 10/1/20

(S) = Staining on turbidity tube during concentration

SCC 10/01/2020
Prepared By: _____ Date

CAS 10/01/2020
Reviewed By: _____ Date



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0J02031**

Instrument: **DUALECD8**

Date: **10/02/20 11:13**

Calibration: **A0G2005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0J02031-BKD1	Sediment	QC	QC				A20H479
2	0J02031-CCV1	Sediment	QC	QC				A20H475
3	0J02031-CCV2	Sediment	QC	QC				A20I185
4	0J02031-BKD2	Sediment	QC	QC				A20H479
5	0J02031-CCV3	Sediment	QC	QC				A20H475
6	0J02031-CCV4	Sediment	QC	QC				A20I185
7	0J02031-CCB1	Sediment	QC	QC				A20I313
8	0100038-BLK1	Sediment	QC	QC		0100038		
9	0100038-BS1	Sediment	QC	QC		0100038		
10	0100038-BS2	Sediment	QC	QC		0100038		
11	A0I0556-48RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/02/20	0100038		
12	0100038-DUP1	Sediment	QC	QC		0100038		
13	A0I0708-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/05/20	0100038		
14	0100038-MS1	Sediment	QC	QC		0100038		
15	0100038-MS2	Sediment	QC	QC		0100038		
16	0J02031-CCV5	Sediment	QC	QC				A20H476
17	0J02031-CCV6	Sediment	QC	QC				A20I186
18	0J02031-CCB2	Sediment	QC	QC				A20I313

Data Entered By/Date: MJB 10/2/20

Comments: **PARTIAL**

Data Reviewed By/Date: dgj 10/4/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 11:53
 Operator : MJB
 Sample : 0J02031-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e MJB 10/2/20
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 12:08:12 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTD.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.343	16160202	NoCal	ng/mL
2) Endrin	7.688	1658496716	NoCal	ng/mL
3) 4,4'-DDD	7.756	84003131	NoCal	ng/mL
4) 4,4'-DDT	7.949	3109877400	NoCal	ng/mL
5) Endrin Aldehyde	8.132	101197429	NoCal	ng/mL
6) Endrin Ketone	8.618	130818935	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.243	19164562	NoCal	ng/mL
9) Endrin [2C]	8.602	1540328386	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.654	94337801	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.986	65352469	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.876	3000182887	NoCal	ng/mL
13) Endrin Ketone [2C]	9.574	102089109	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

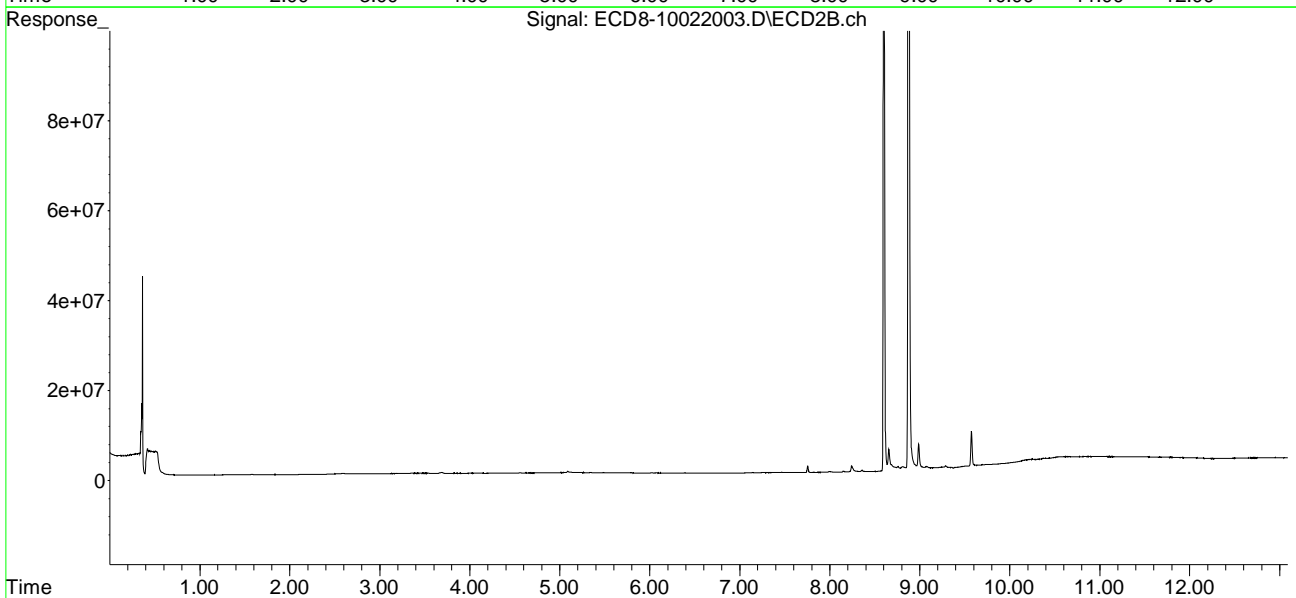
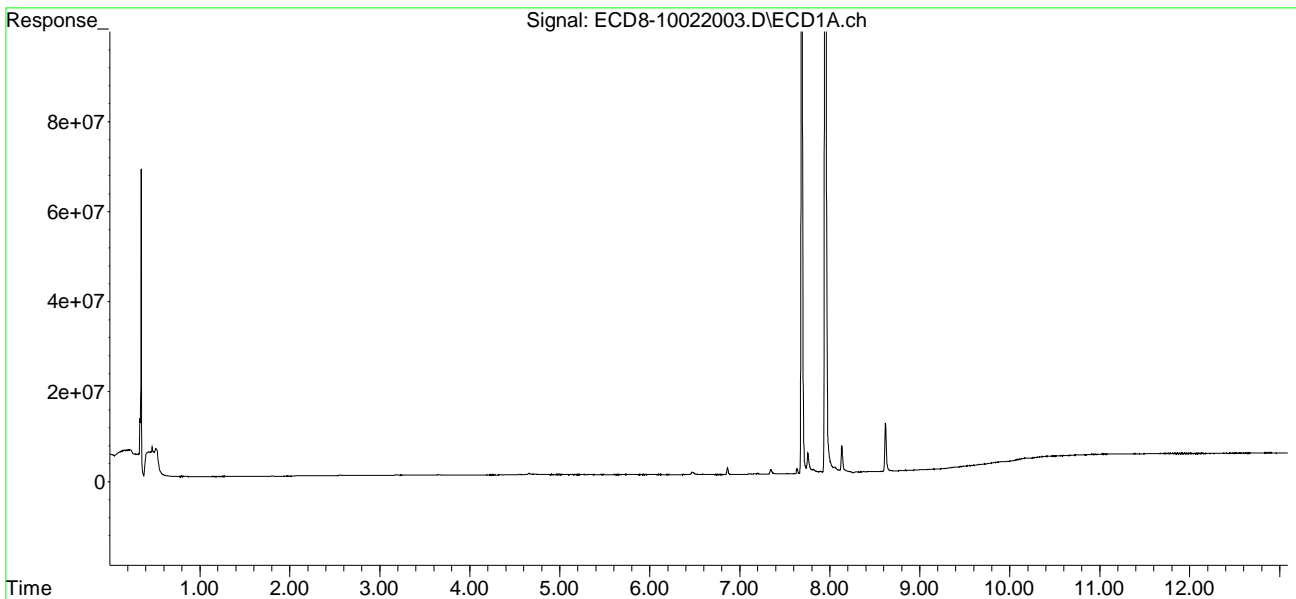
(m)=manual int.

CCV failed. Maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 11:53
Operator : MJB
Sample : 0J02031-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 12:08:12 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTD.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 12:10
 Operator : MJB
 Sample : 0J02031-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Q-14

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:21:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 10/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.156	5.894	141.7E6	134.9E6	37.968	38.422
22) S DCBP (S)	9.335	10.417	130.2E6	112.4E6	42.716	52.099
Target Compounds						
2) a-BHC	5.687	6.494	225.5E6	233.5E6	45.793	49.137
3) g-BHC	5.967	6.810	207.3E6	219.2E6	46.864	52.017
4) b-BHC	6.042	6.876	65965577	74463630	33.225	39.499
5) Heptachlor	6.375	7.179	216.4E6	228.9E6	51.105	55.377
6) d-BHC	6.189	7.129	129.9E6	168.8E6	31.481	41.854 #
7) Aldrin	6.613	7.443	209.6E6	203.6E6	48.040	51.656
8) Heptachlo...	7.069	7.879	193.7E6	192.5E6	47.836	52.596
9) trans-Chl...	7.165	8.019	187.6E6	193.0E6	45.341	52.084
10) cis-Chlor...	7.262	8.126	192.6E6	183.7E6	46.968	51.775
11) Endosulfa...	7.353	8.175	201.4E6	180.1E6	53.390m	54.368
12) 4,4'-DDE	7.340	8.238	156.9E6	168.8E6	38.387m	45.525
13) Dieldrin	7.526	8.375	201.5E6	198.9E6	47.658	54.078
14) Endrin	7.687	8.601	169.1E6	166.0E6	55.912	62.104
15) 4,4'-DDD	7.754	8.652	118.8E6	135.5E6	35.583	44.100
16) Endosulfa...	7.843	8.749	144.4E6	150.2E6	44.656	51.200
17) 4,4'-DDT	7.949	8.876	132.5E6	138.9E6	42.875	48.768
18) Endrin Al...	8.130	8.986	117.7E6	130.5E6	35.730	45.830 #
19) Endosulfa...	8.427	9.176	144.9E6	147.7E6	50.036	56.742
20) Methoxychlor	8.293	9.357	56993588	67254217	37.607	45.356
21) Endrin Ke...	8.619	9.573	164.9E6	168.3E6	71.341	86.463
23) Hexachlor...	0.000	3.622f	0	26310	N.D.	BelowCal
24) Hexachlor...	5.536	6.387f	374336	63182	BelowCal	BelowCal
25) Oxychlorane	7.008	7.787f	879214	95271	0.073	BelowCal #
26) 2,4'-DDE	7.069f	8.019	193.7E6	193.0E6	74.155	79.006
27) trans-Non...	7.262	8.080	192.6E6	773001	50.998	BelowCal #
28) 2,4'-DDD	0.000	8.375	0	198.9E6	N.D.	91.098 #
29) 2,4'-DDT	7.635	8.601	700210	166.0E6	0.119	74.293 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 12:10
 Operator : MJB
 Sample : 0J02031-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:21:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

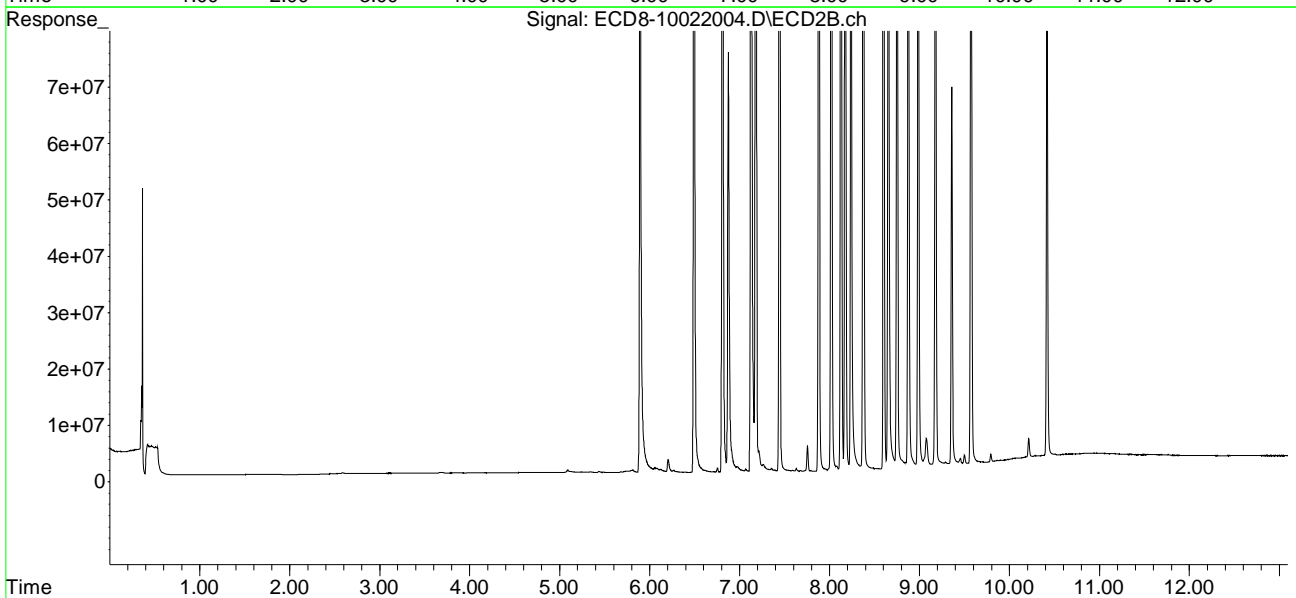
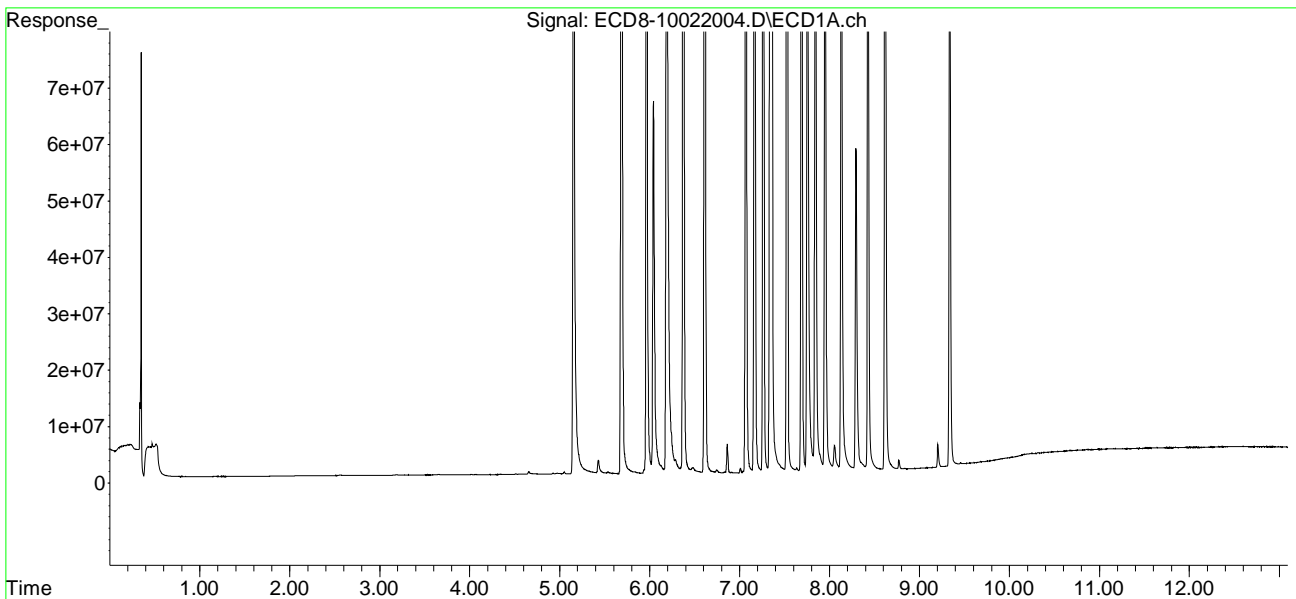
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.754f	8.652	118.8E6	135.5E6	28.974	36.834	#
31)	Mirex	0.000	9.573	0	168.3E6	N.D.	74.792	#
32)	Chlordane...	0.000	8.238	0	168.8E6	N.D.	382.120	#
33)	Chlordane...	7.526	0.000	201.5E6	0	366.316	N.D.	#
34)	Chlordane...	8.053	8.986	4526036	130.5E6	31.206	1087.923	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.353f	0.000	201.2E6	0	11696.429	N.D.	#
37)	Toxaphene...	7.635f	8.749f	700210	150.2E6	18.447	3822.416	#
38)	Toxaphene...	7.949f	8.840f	132.5E6	1022878	1758.228	16.175	#
39)	Toxaphene...	8.130f	8.876	117.7E6	138.9E6	1648.077	1320.993	
40)	Toxaphene...	0.000	9.075f	0	5136471	N.D.	90.470	#
41)	Toxaphene...	8.427	9.452f	144.9E6	1346458	1885.107	20.795	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 12:10
Operator : MJB
Sample : 0J02031-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

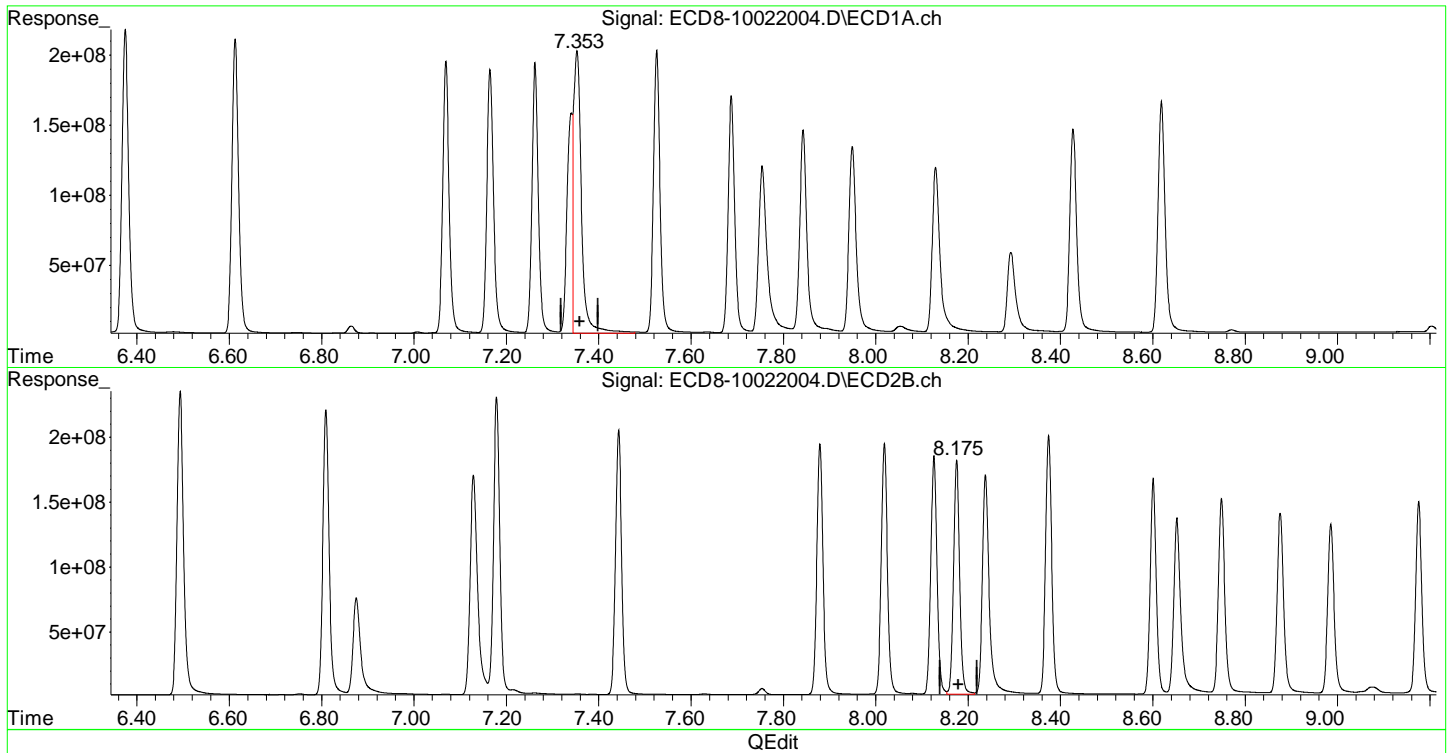
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:21:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 12:10
Operator : MJB
Sample : 0J02031-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:21:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(11) Endosulfan I
7.353min 53.390 ng/mL m
response 201440299

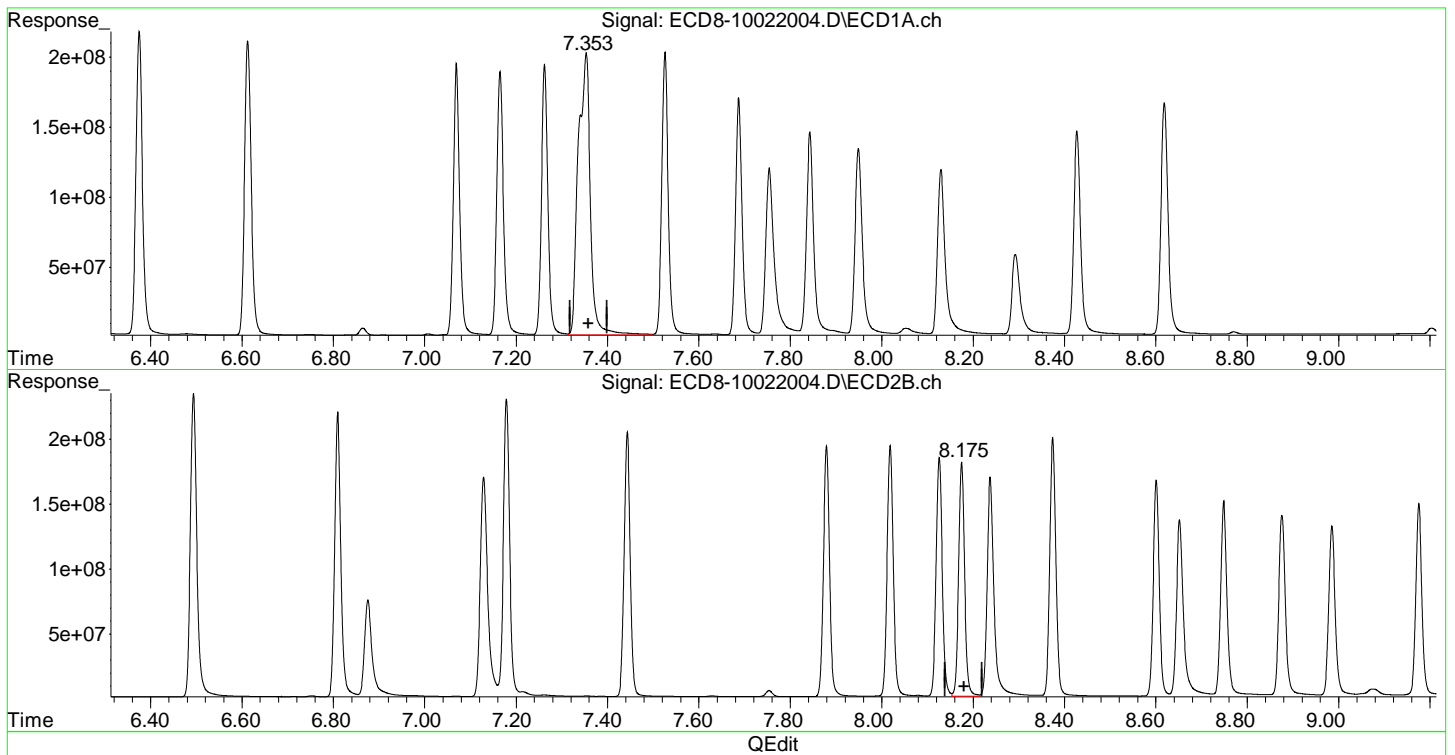
MJB 10/2/20

(11) Endosulfan I #2
8.175min 54.368 ng/mL
response 180087001

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 12:10
Operator : MJB
Sample : 0J02031-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:21:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(11) Endosulfan I
~~7.353min 53.327 ng/mL~~
response ~~204201466~~

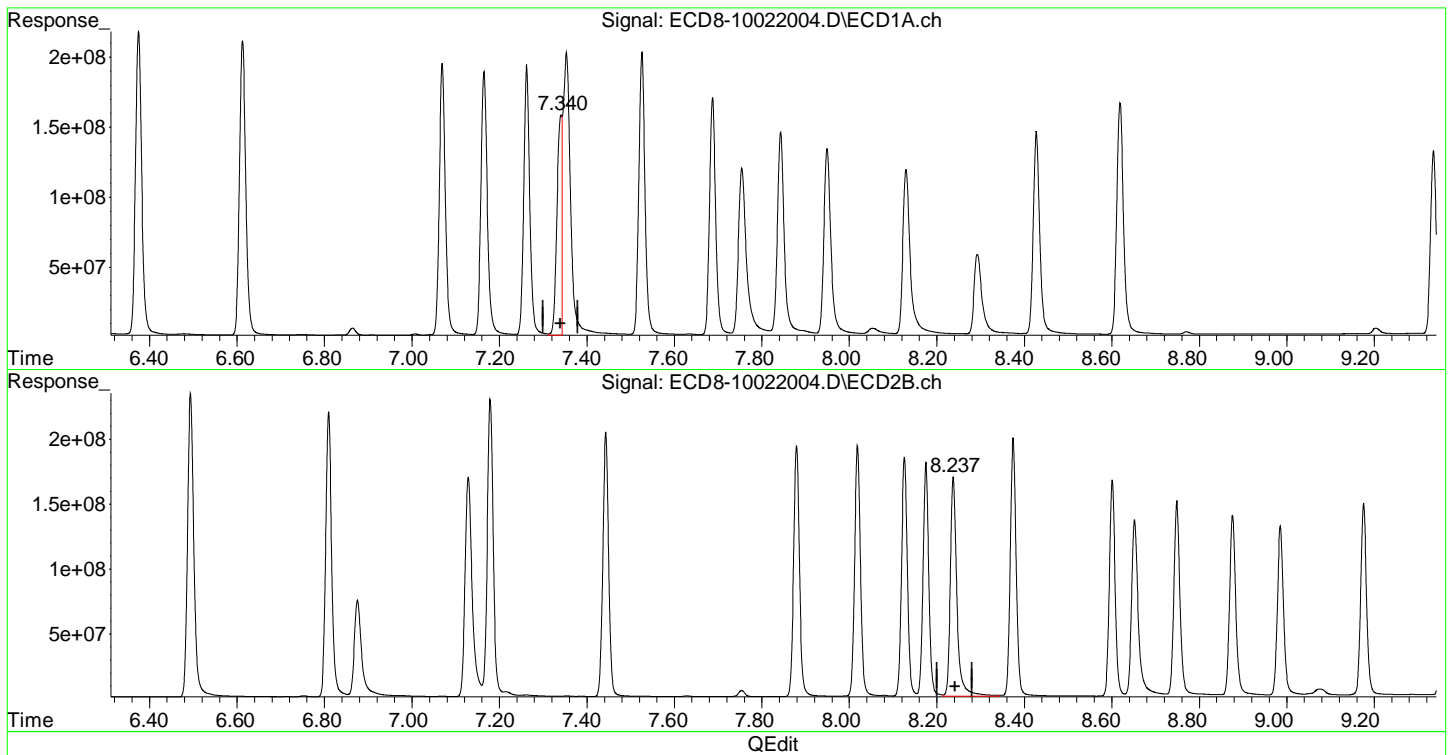
MJB 10/2/20

(11) Endosulfan I #2
8.175min 54.368 ng/mL
response 180087001

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 12:10
Operator : MJB
Sample : 0J02031-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:21:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.340min 38.387 ng/mL m
response 156931797

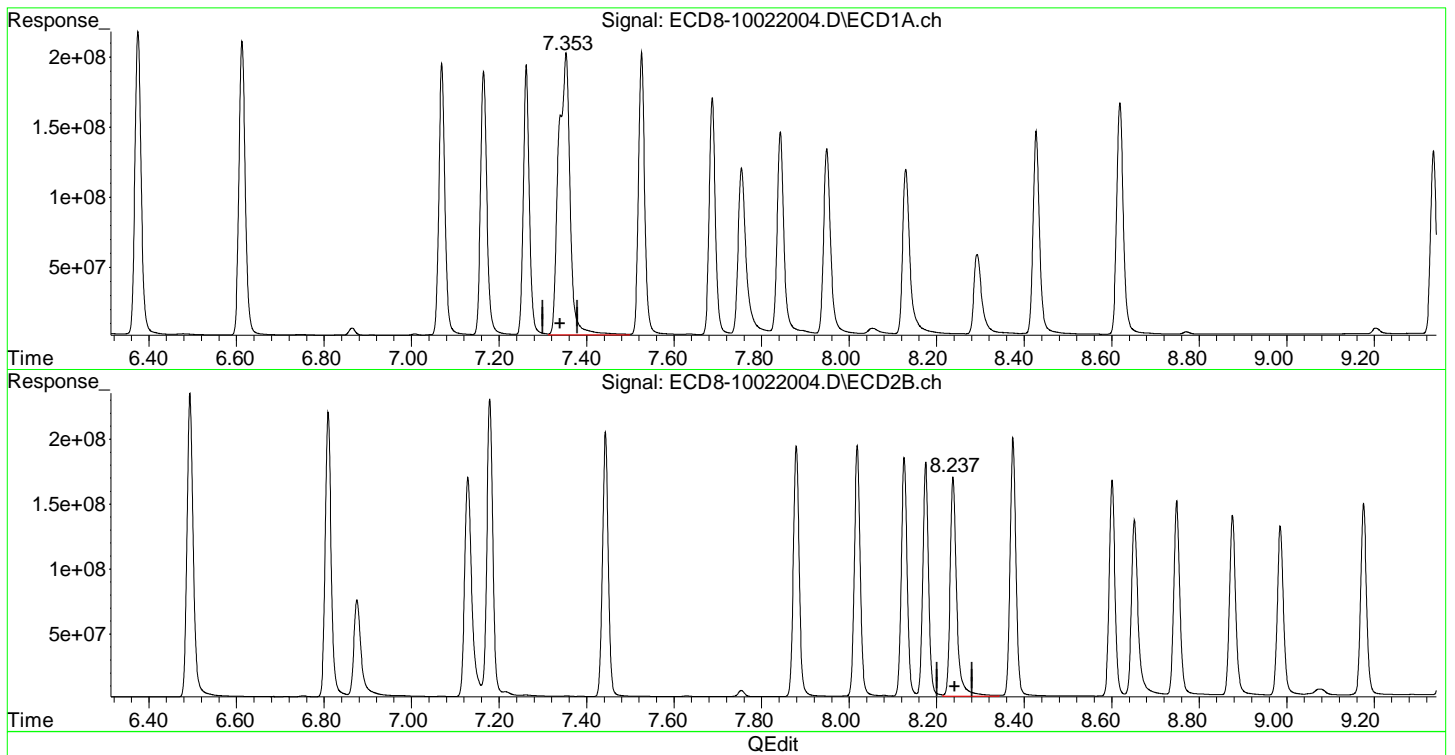
MJB 10/2/20

(12) 4,4'-DDE #2
8.238min 45.525 ng/mL
response 168823737

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 12:10
Operator : MJB
Sample : 0J02031-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:21:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
~~7.353min 40.216 ng/mL~~
response ~~204201466~~

MJB 10/2/20

(12) 4,4'-DDE #2
8.238min 45.525 ng/mL
response 168823737

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 12:10
 Operator : MJB
 Sample : 0J02031-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:21:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.156	5.894	141.7E6	134.9E6	37.968	38.422
22) S DCBP (S)	9.335	10.417	130.2E6	112.4E6	42.716	52.099
Target Compounds						
2) a-BHC	5.687	6.494	225.5E6	233.5E6	45.793	49.137
3) g-BHC	5.967	6.810	207.3E6	219.2E6	46.864	52.017
4) b-BHC	6.042	6.876	65965577	74463630	33.225	39.499
5) Heptachlor	6.375	7.179	216.4E6	228.9E6	51.105	55.377
6) d-BHC	6.189	7.129	129.9E6	168.8E6	31.481	41.854 #
7) Aldrin	6.613	7.443	209.6E6	203.6E6	48.040	51.656
8) Heptachlo...	7.069	7.879	193.7E6	192.5E6	47.836	52.596
9) trans-Chl...	7.165	8.019	187.6E6	193.0E6	45.341	52.084
10) cis-Chlor...	7.262	8.126	192.6E6	183.7E6	46.968	51.775
11) Endosulfa...	7.353	8.175	201.2E6	180.1E6	53.327	54.368
12) 4,4'-DDE	7.353	8.238	201.2E6	168.8E6	49.216	45.525
13) Dieldrin	7.526	8.375	201.5E6	198.9E6	47.658	54.078
14) Endrin	7.687	8.601	169.1E6	166.0E6	55.912	62.104
15) 4,4'-DDD	7.754	8.652	118.8E6	135.5E6	35.583	44.100
16) Endosulfa...	7.843	8.749	144.4E6	150.2E6	44.656	51.200
17) 4,4'-DDT	7.949	8.876	132.5E6	138.9E6	42.875	48.768
18) Endrin Al...	8.130	8.986	117.7E6	130.5E6	35.730	45.830 #
19) Endosulfa...	8.427	9.176	144.9E6	147.7E6	50.036	56.742
20) Methoxychlor	8.293	9.357	56993588	67254217	37.607	45.356
21) Endrin Ke...	8.619	9.573	164.9E6	168.3E6	71.341	86.463
23) Hexachlor...	0.000	3.622f	0	26310	N.D.	BelowCal
24) Hexachlor...	5.536	6.387f	374336	63182	BelowCal	BelowCal
25) Oxychlorane	7.008	7.787f	879214	95271	0.073	BelowCal #
26) 2,4'-DDE	7.069f	8.019	193.7E6	193.0E6	74.155	79.006
27) trans-Non...	7.262	8.080	192.6E6	773001	50.998	BelowCal #
28) 2,4'-DDD	0.000	8.375	0	198.9E6	N.D.	91.098 #
29) 2,4'-DDT	7.635	8.601	700210	166.0E6	0.119	74.293 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 12:10
 Operator : MJB
 Sample : 0J02031-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:21:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

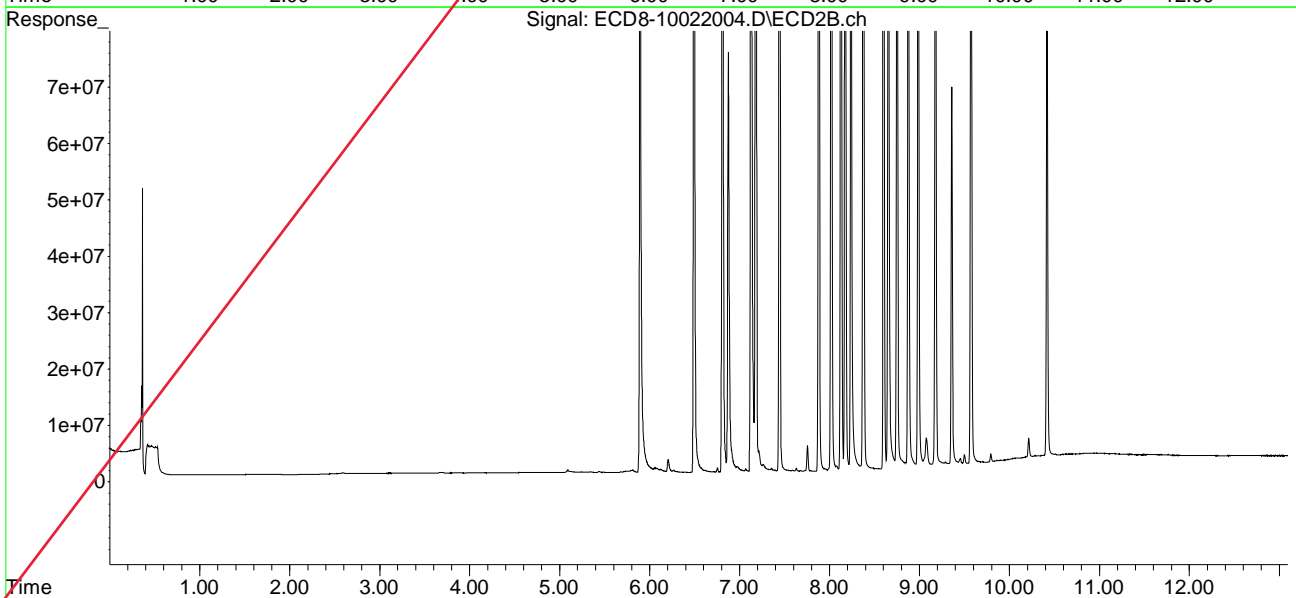
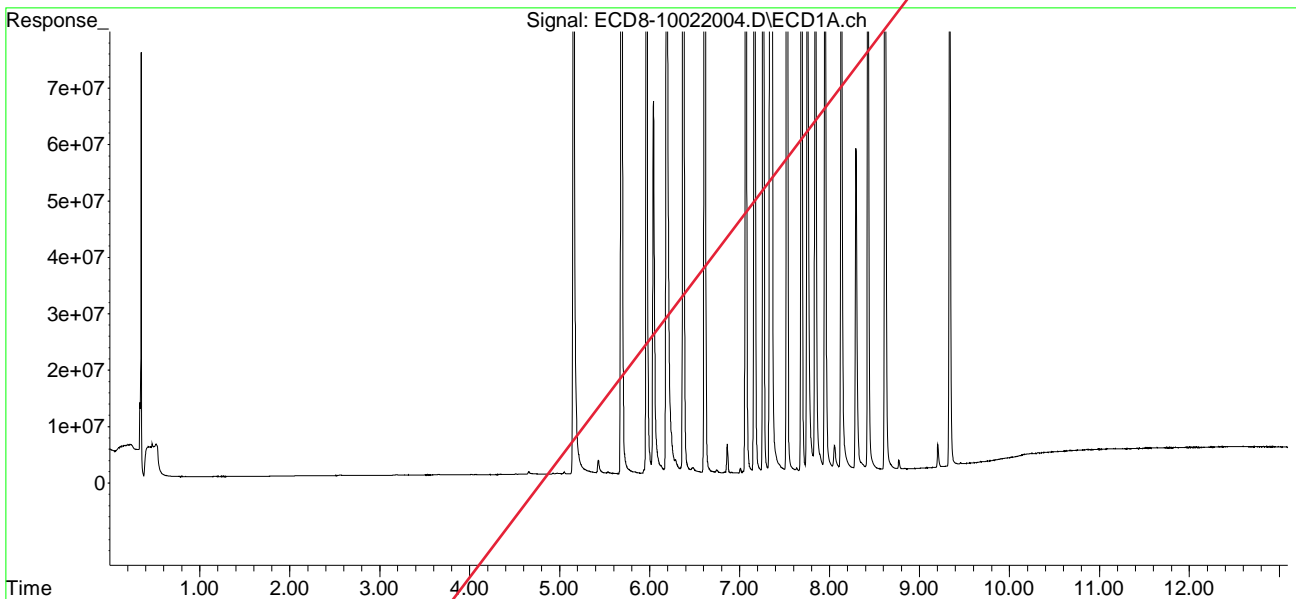
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.754f	8.652	118.8E6	135.5E6	28.974	36.834	#
31)	Mirex	0.000	9.573	0	168.3E6	N.D.	74.792	#
32)	Chlordane...	0.000	8.238	0	168.8E6	N.D.	382.120	#
33)	Chlordane...	7.526	0.000	201.5E6	0	366.316	N.D.	#
34)	Chlordane...	8.053	8.986	4526036	130.5E6	31.206	1087.923	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.353f	0.000	201.2E6	0	11696.429	N.D.	#
37)	Toxaphene...	7.635f	8.749f	700210	150.2E6	18.447	3822.416	#
38)	Toxaphene...	7.949f	8.840f	132.5E6	1022878	1758.228	16.175	#
39)	Toxaphene...	8.130f	8.876	117.7E6	138.9E6	1648.077	1320.993	
40)	Toxaphene...	0.000	9.075f	0	5136471	N.D.	90.470	#
41)	Toxaphene...	8.427	9.452f	144.9E6	1346458	1885.107	20.795	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 12:10
Operator : MJB
Sample : 0J02031-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:21:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 12:27
 Operator : MJB
 Sample : 0J02031-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

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Integration File signal 1: PEST1.e MJB 10/2/20
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:26:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.132f	0.000	1194029	0	0.320	N.D. #
22) S DCBP (S)	9.340	10.403	179394	1314401	BelowCal	0.393
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.973	6.814	156796	77069	0.035	0.019 #
4) b-BHC	6.046	6.881	124064	73131	0.062	0.039 #
5) Heptachlor	6.374	7.180	472303	446573	0.112	0.083 #
6) d-BHC	6.203	7.135	72028	48456	0.017	0.045 #
7) Aldrin	6.612	7.445	23807	20206	0.005	BelowCal #
8) Heptachlo...	7.088	7.919f	96253581	274816	23.769	0.075 #
9) trans-Chl...	7.160	8.016	1457302	105.6E6	0.352	28.503 #
10) cis-Chlor...	7.255	8.125	173.9E6	2001882	42.398	0.564 #
11) Endosulfa...	7.358	0.000	483968	0	0.128	N.D. #
12) 4,4'-DDE	7.358	8.234	483968	160613	0.118	0.065 #
13) Dieldrin	7.496f	8.388	4378401	93761640	1.035	25.494 #
14) Endrin	7.721f	8.610	192.8E6	112.9E6	63.766	43.478 #
15) 4,4'-DDD	7.721f	8.646	192.8E6	196.3E6	57.727	62.114
16) Endosulfa...	7.874f	0.000	287420	0	0.089	N.D. #
17) 4,4'-DDT	7.948	8.876	163081	104990	0.053	0.025 #
18) Endrin Al...	8.140	8.990	186635	226996	0.057	0.080 #
19) Endosulfa...	8.421	9.176	766235	34690	0.265	BelowCal #
20) Methoxychlor	8.297	0.000	22720	0	0.015	N.D. #
21) Endrin Ke...	8.631	9.563	335812	116.0E6	0.145	62.325 #
23) Hexachlor...	2.939	3.597	188.5E6	231.0E6	54.126	58.863
24) Hexachlor...	5.535	6.360	118.3E6	122.4E6	32.916	35.532
25) Oxychlorane	6.999	7.809	158.2E6	163.0E6	46.128	53.350
26) 2,4'-DDE	7.088	8.016	96253581	105.6E6	37.128	45.041
27) trans-Non...	7.255	8.083	173.9E6	182.3E6	46.025	53.684
28) 2,4'-DDD	7.455	8.388	83999707	93761640	37.197	45.340
29) 2,4'-DDT	7.636	8.610	108.0E6	112.9E6	45.733	51.956

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 12:27
 Operator : MJB
 Sample : 0J02031-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:26:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

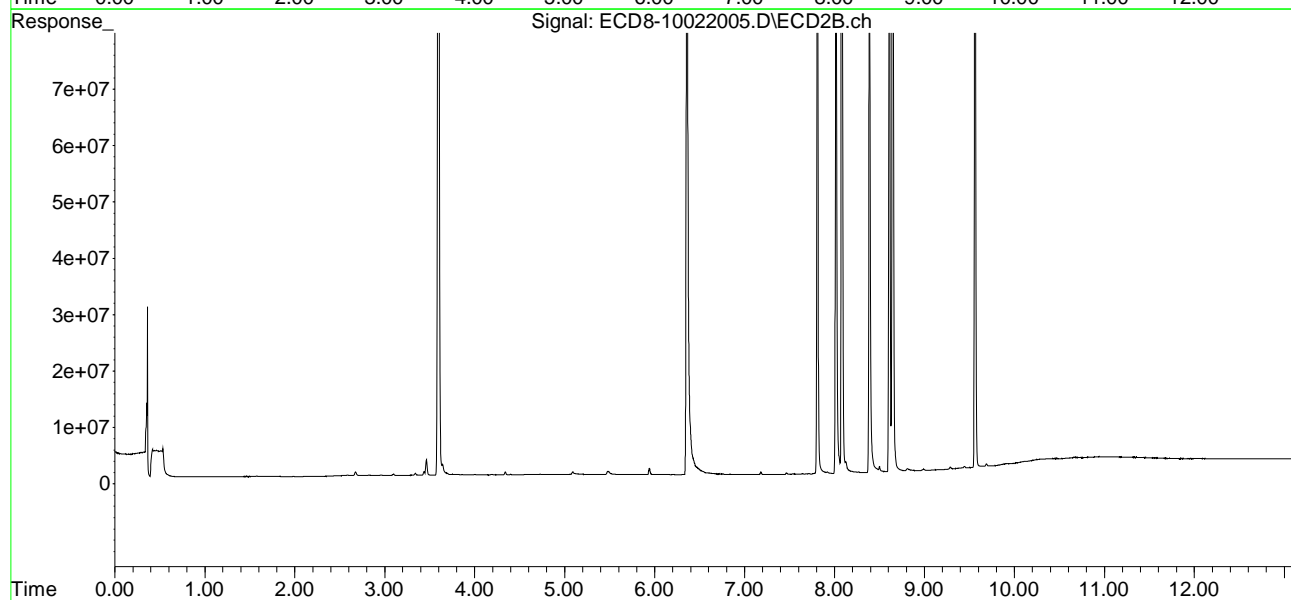
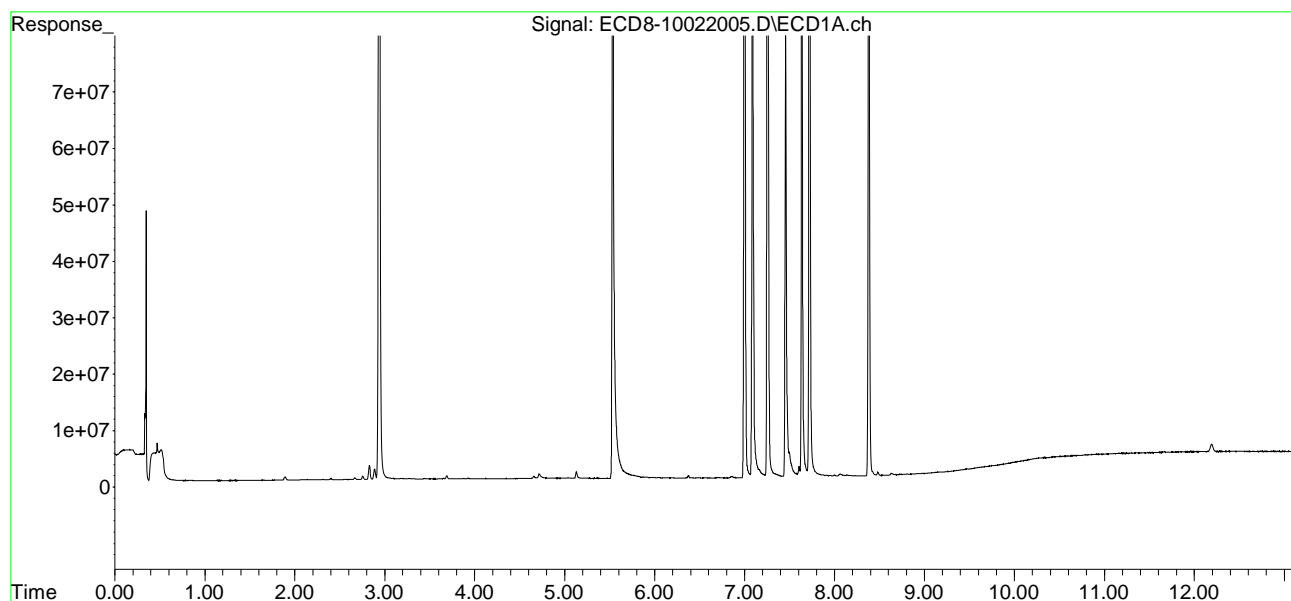
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.721	8.646	192.8E6	196.3E6	46.992	52.518
31)	Mirex	8.380	9.563	125.4E6	116.0E6	47.817	52.361
32)	Chlordane...	7.455f	8.234	83999707	160613	185.679	0.364 #
33)	Chlordane...	7.496f	0.000	4378401	0	7.958	N.D. #
34)	Chlordane...	8.059	8.990	382425	226996	2.637	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.388f	0	93761640	N.D.	3100.881 #
37)	Toxaphene...	7.604	8.807f	1857662	412334	54.104	10.493 #
38)	Toxaphene...	7.911	8.807	232045	412334	3.080	6.520 #
39)	Toxaphene...	8.140	8.876	186635	104990	BelowCal	BelowCal
40)	Toxaphene...	8.380	9.049	125.4E6	12295	2244.475	0.217 #
41)	Toxaphene...	8.421f	9.442	766235	494373	9.967	7.635
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 12:27
Operator : MJB
Sample : 0J02031-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:26:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0J02031 BKD2
Data File: ECD8-10022007.D

MJB 10/2/20

First Column Area Counts		Percent Breakdown	
DDE	21518279		
DDD	47158974		
DDT	3234168770	2.08	PASS
Endrin	1768818940	7.06	PASS
Endrin Aldehyde	72697222		
Endrin Ketone	61757201		

Second Column Area Counts		Percent Breakdown	
DDE	23649336		
DDD	56960507		
DDT	3142797890	2.50	PASS
Endrin	1629013819	7.09	PASS
Endrin Aldehyde	57345437		
Endrin Ketone	67027760		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 13:29
 Operator : MJB
 Sample : 0J02031-BKD2
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:28:36 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.327	21518279	NoCal	ng/mL
2) Endrin	7.676	1768818940	NoCal	ng/mL
3) 4,4'-DDD	7.742	47158974	NoCal	ng/mL
4) 4,4'-DDT	7.936	3234168770	NoCal	ng/mL
5) Endrin Aldehyde	8.120	72697222	NoCal	ng/mL
6) Endrin Ketone	8.608	61757201	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.228	23649336	NoCal	ng/mL
9) Endrin [2C]	8.590	1614222319	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.642	56960507	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.974	57345437	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.864	3142797890	NoCal	ng/mL
13) Endrin Ketone [2C]	9.563	73935312	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

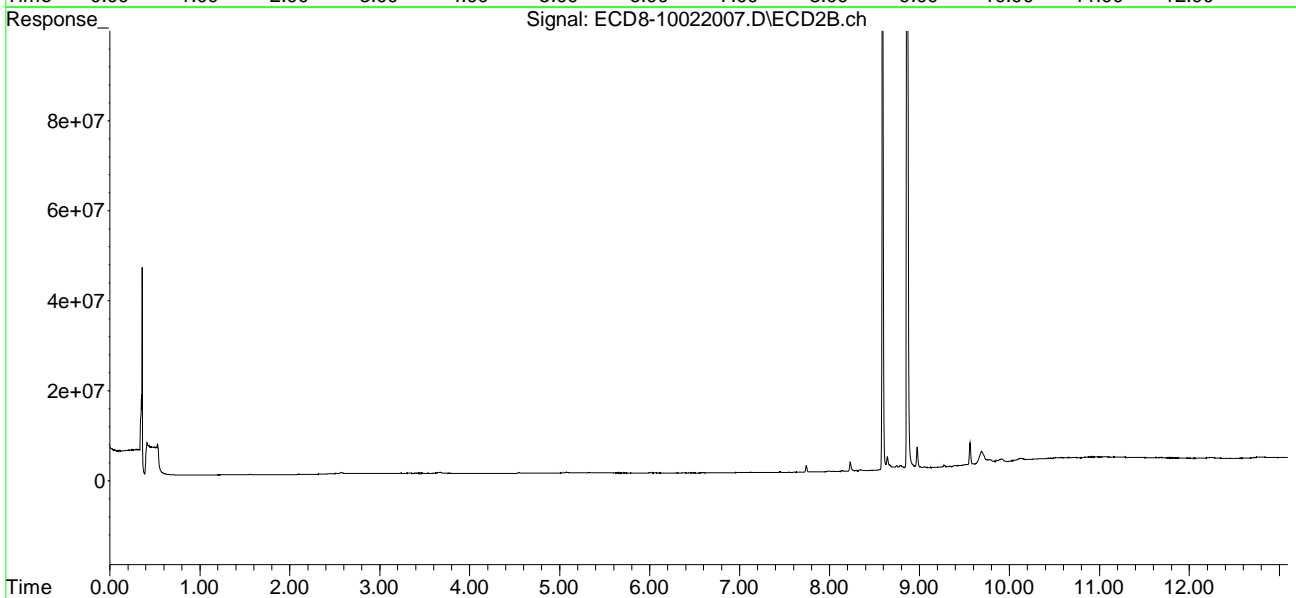
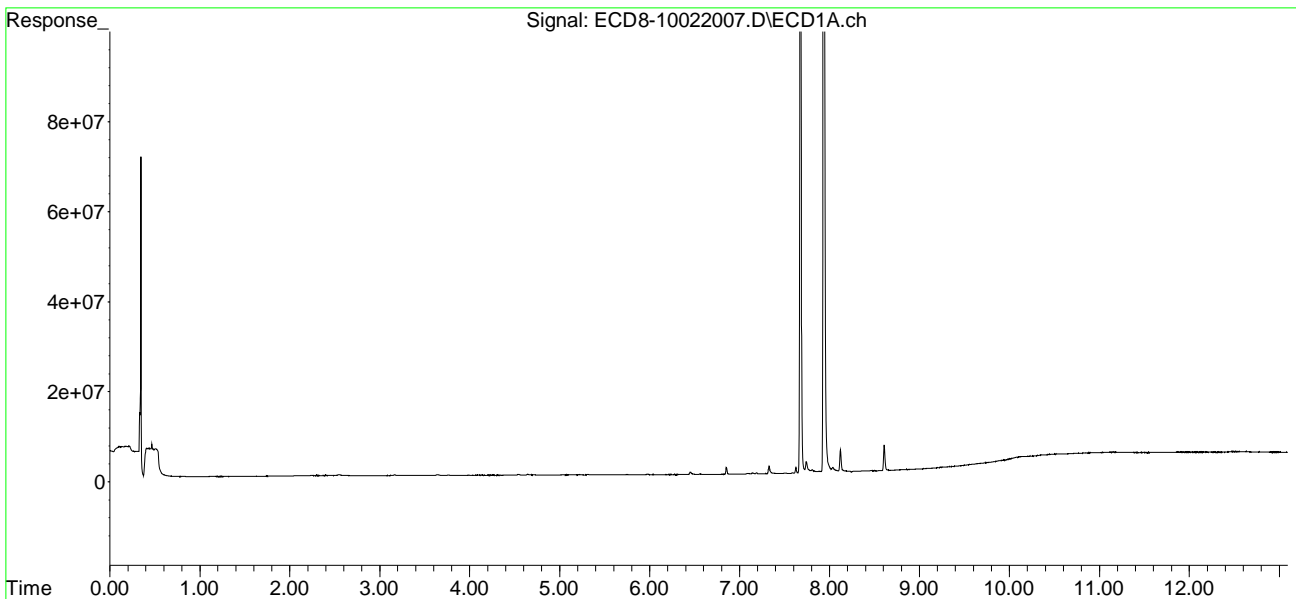
(m)=manual int.

Cut about 5 inches off the guard column, and replaced "y"-splitter.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 13:29
Operator : MJB
Sample : 0J02031-BKD2
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:28:36 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717RTE.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 13:45
 Operator : MJB
 Sample : 0J02031-CCV3
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:34:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.144	5.883	155.9E6	135.7E6	41.780	38.665 Q-31
22) S DCBP (S)	9.326	10.406	125.1E6	106.5E6	41.044	49.463
Target Compounds						
2) a-BHC	5.675	6.483	242.7E6	234.1E6	49.284	49.250
3) g-BHC	5.956	6.799	212.9E6	220.8E6	48.124	52.369
4) b-BHC	6.031	6.864	79789992	77860135	40.189	41.300
5) Heptachlor	6.363	7.168	221.8E6	229.4E6	52.385	55.483
6) d-BHC	6.178	7.117	172.5E6	180.5E6	41.827	44.586
7) Aldrin	6.602	7.432	213.8E6	209.8E6	49.002	53.108
8) Heptachlo...	7.058	7.868	194.0E6	191.6E6	47.912	52.325
9) trans-Chl...	7.154	8.007	201.5E6	195.1E6	48.698	52.644
10) cis-Chlor...	7.251	8.115	197.1E6	187.1E6	48.050	52.737
11) Endosulfa...	7.342	8.164	209.1E6	173.8E6	55.411	52.475
12) 4,4'-DDE	7.326	8.226	165.6E6	171.0E6	40.502	46.067
13) Dieldrin	7.514	8.364	206.5E6	201.5E6	48.829	54.796
14) Endrin	7.676	8.590	179.1E6	169.1E6	59.236	63.146
15) 4,4'-DDD	7.740	8.641	134.4E6	137.6E6	40.254	44.751
16) Endosulfa...	7.830	8.737	147.9E6	147.8E6	45.727	50.372
17) 4,4'-DDT	7.937	8.865	147.4E6	145.2E6	47.706	50.766
18) Endrin Al...	8.118	8.974	129.7E6	129.7E6	39.404	45.558
19) Endosulfa...	8.416	9.164	151.9E6	140.0E6	52.442	53.995
20) Methoxychlor	8.280	9.345	65149850	62731538	42.988	42.306
21) Endrin Ke...	8.608	9.562	176.3E6	167.0E6	76.265	85.857
23) Hexachlor...	0.000	3.607f	0	42021	N.D.	BelowCal
24) Hexachlor...	5.524	6.375f	362566	64016	BelowCal	BelowCal
25) Oxychlorane	6.996	7.776f	951796	117142	0.094	BelowCal #
26) 2,4'-DDE	7.058	8.007	194.0E6	195.1E6	74.271	79.782
27) trans-Non...	7.251	8.069	197.1E6	633783	52.176	BelowCal #
28) 2,4'-DDD	0.000	8.364	0	201.5E6	N.D.	92.190 #
29) 2,4'-DDT	7.623	8.590	644979	169.1E6	0.095	75.542 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 13:45
 Operator : MJB
 Sample : 0J02031-CCV3
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:34:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

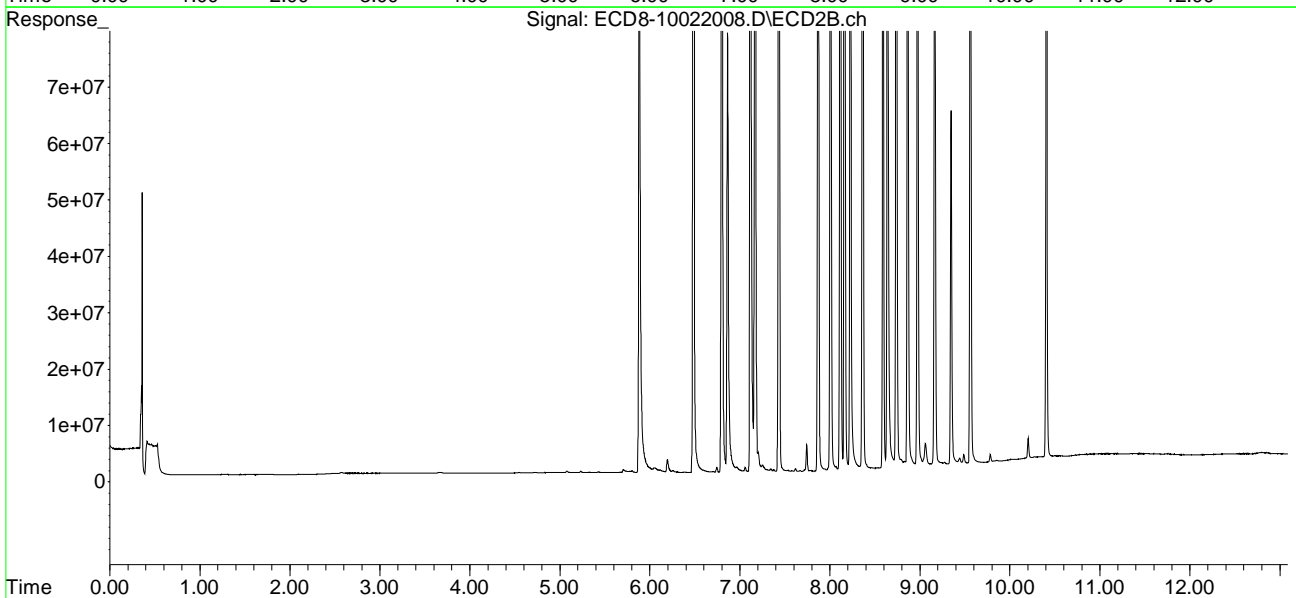
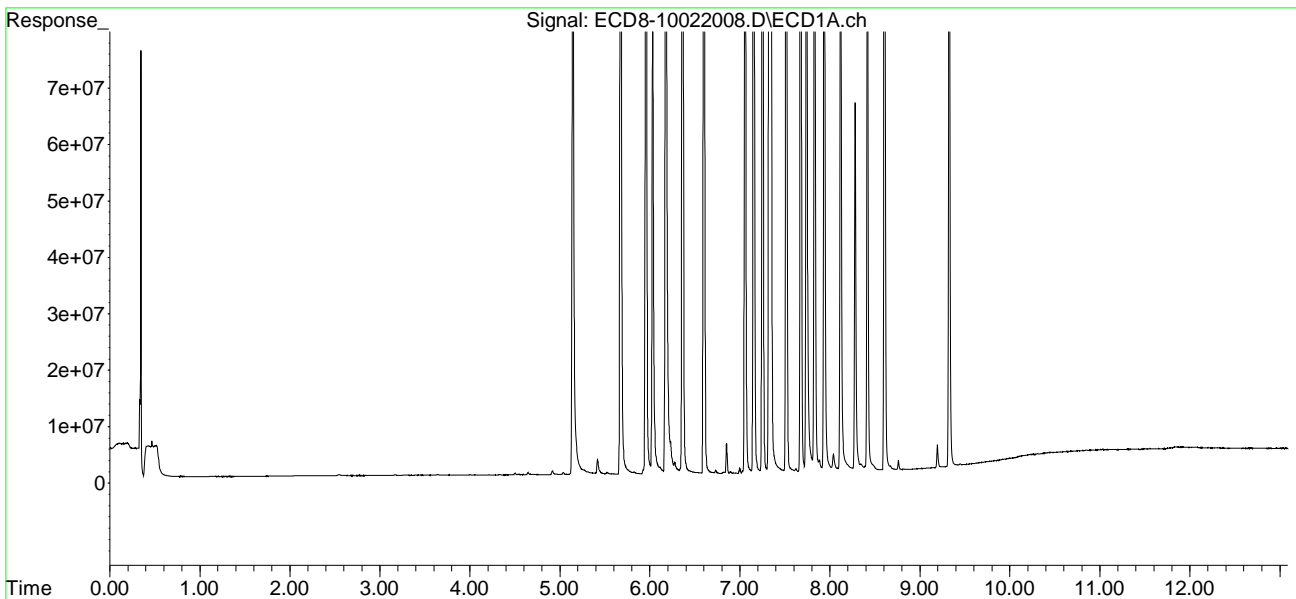
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.740f	8.641	134.4E6	137.6E6	32.783	37.396
31)	Mirex	8.345f	9.562	1131508	167.0E6	0.146	74.216 #
32)	Chlordane...	0.000	8.226	0	171.0E6	N.D.	387.018 #
33)	Chlordane...	7.514	8.364f	206.5E6	201.5E6	375.322	541.408 #
34)	Chlordane...	8.038f	8.974f	2984923	129.7E6	20.580	1082.069 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.326	8.462f	165.6E6	127127	9625.499	4.204 #
37)	Toxaphene...	7.623	8.737f	644979	147.8E6	16.746	3760.566 #
38)	Toxaphene...	7.937f	8.831f	147.4E6	945494	1956.335	14.952 #
39)	Toxaphene...	8.118f	8.865	129.7E6	145.2E6	1806.675	1373.724
40)	Toxaphene...	8.345f	9.061	1131508	3930757	20.259	69.233 #
41)	Toxaphene...	8.416f	9.441	151.9E6	981909	1975.750	15.165 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 13:45
Operator : MJB
Sample : 0J02031-CCV3
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:34:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:02
 Operator : MJB
 Sample : 0J02031-CCV4
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:35:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.121f	5.883	1313052	53791	0.352	0.015 #
22) S DCBP (S)	9.327	10.407	176089	866382	BelowCal	0.174
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.938	6.784	169675	42156	0.038	0.010 #
4) b-BHC	6.037	6.869	119837	73213	0.060	0.039 #
5) Heptachlor	6.364	7.168	534094	475650	0.126	0.091 #
6) d-BHC	6.183	7.122	76641	113578	0.019	0.062 #
7) Aldrin	6.601	7.452	27216	290338	0.006	0.070 #
8) Heptachlo...	7.076	0.000	108.0E6	0	26.682	N.D. #
9) trans-Chl...	0.000	8.005	0	109.0E6	N.D.	29.418 #
10) cis-Chlor...	7.244	8.113	187.1E6	1757731	45.632	0.495 #
11) Endosulfa...	7.350	0.000	420215	0	0.111	N.D. #
12) 4,4'-DDE	7.350f	8.226	420215	149179	0.103	0.062 #
13) Dieldrin	7.487f	8.377	3569636	94510310	0.844	25.698 #
14) Endrin	7.710f	8.600	205.8E6	115.2E6	68.053	44.325 #
15) 4,4'-DDD	7.710f	8.635	205.8E6	203.9E6	61.608	64.297
16) Endosulfa...	7.862f	0.000	157947	0	0.049	N.D. #
17) 4,4'-DDT	7.938	8.865	103012	117854	0.033	0.030
18) Endrin Al...	8.124	8.980	225125	275042	0.068	0.097 #
19) Endosulfa...	8.412	9.167	708327	32456	0.245	BelowCal #
20) Methoxychlor	8.280	0.000	20439	0	0.013	N.D. #
21) Endrin Ke...	8.619	9.551	426860	117.7E6	0.185	63.145 #
23) Hexachlor...	2.927	3.585	182.7E6	227.7E6	52.445	58.075
24) Hexachlor...	5.523	6.348	140.0E6	129.9E6	38.937	37.606
25) Oxychlorane	6.987	7.798	165.2E6	159.3E6	48.195	52.190
26) 2,4'-DDE	7.076	8.005	108.0E6	109.0E6	41.648	46.411
27) trans-Non...	7.244	8.072	187.1E6	184.0E6	49.545	54.165
28) 2,4'-DDD	7.443	8.377	97664121	94510310	43.234	45.684
29) 2,4'-DDT	7.625	8.600	114.1E6	115.2E6	48.253	52.972

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:02
 Operator : MJB
 Sample : 0J02031-CCV4
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:35:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

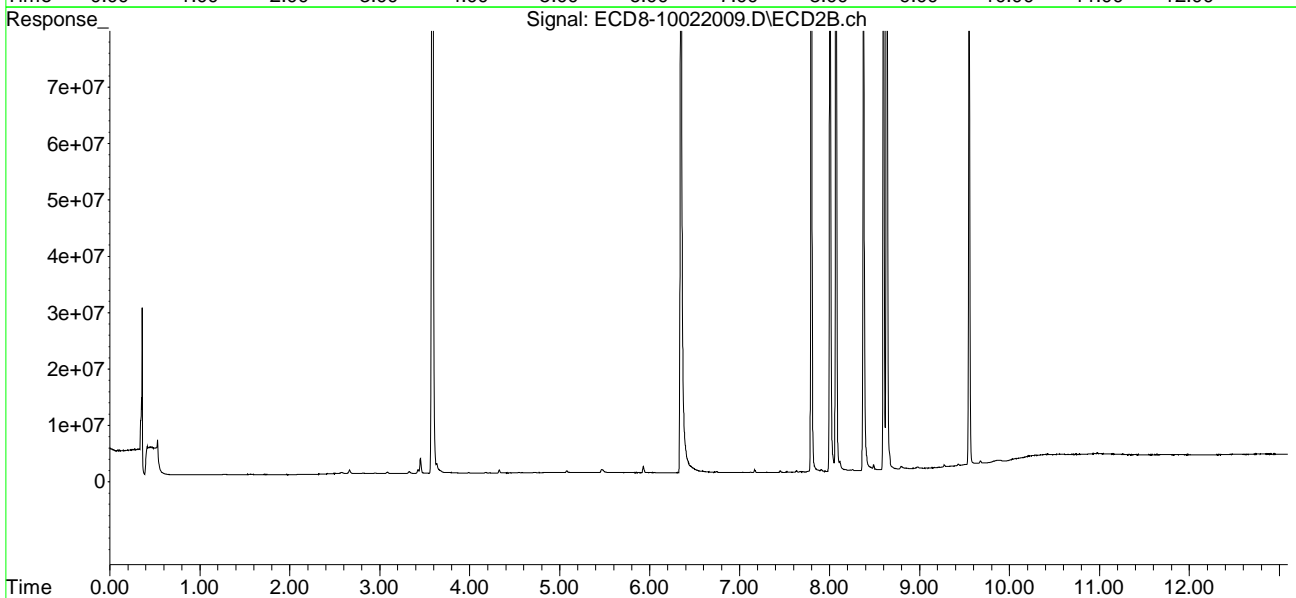
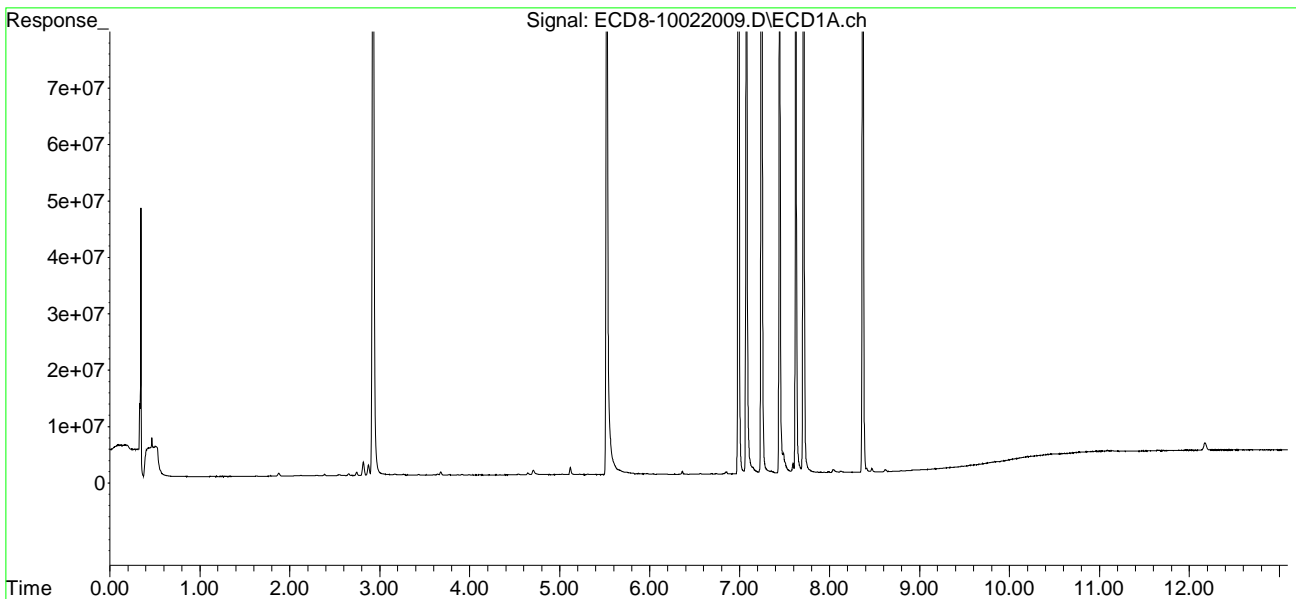
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.710	8.635	205.8E6	203.9E6	50.139	54.438
31)	Mirex	8.369	9.551	124.0E6	117.7E6	47.296	53.106
32)	Chlordane...	7.443	8.226	97664121	149179	215.884	0.338 #
33)	Chlordane...	7.487f	8.300f	3569636	18511	6.488	0.050 #
34)	Chlordane...	8.040f	8.980	519668	275042	3.583	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.350f	8.457f	420215	518168	24.428	17.137 #
37)	Toxaphene...	7.593	8.795f	1758747	454349	51.056	11.562 #
38)	Toxaphene...	7.901	8.795	144212	454349	1.914	7.185 #
39)	Toxaphene...	8.173	8.865	62337	117854	BelowCal	BelowCal
40)	Toxaphene...	8.369	9.076f	124.0E6	31466	2220.248	0.554 #
41)	Toxaphene...	8.469f	9.431	653911	343437	8.506	5.304 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 14:02
Operator : MJB
Sample : 0J02031-CCV4
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:35:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:18
 Operator : MJB
 Sample : 0J02031-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:36:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.145	5.883	296.3E6	271.3E6	79.383	77.282
22) S DCBP (S)	9.325	10.404	244.8E6	213.0E6	80.355	95.234
Target Compounds						
2) a-BHC	5.687	0.000	42101	0	0.009	N.D. #
3) g-BHC	5.976f	6.825f	42490	6785	0.010	0.001 #
4) b-BHC	0.000	6.825f	0	6785	N.D.	0.004 #
5) Heptachlor	0.000	7.165	0	10892	N.D.	BelowCal
6) d-BHC	6.194	7.130	10555	39457	0.003	0.043 #
7) Aldrin	6.566f	7.454f	29658	176805	0.007	0.039 #
8) Heptachlo...	0.000	7.869	0	4769	N.D.	0.001 #
9) trans-Chl...	7.147	8.002	170855	19317	0.041	0.005 #
10) cis-Chlor...	0.000	8.113	0	22601	N.D.	0.006 #
11) Endosulfa...	0.000	8.161	0	14426	N.D.	0.004 #
12) 4,4'-DDE	7.299f	8.222	26815	8873	0.007	0.021 #
13) Dieldrin	7.505	8.367	9715	7298	0.002	0.002
14) Endrin	0.000	8.576	0	19404	N.D.	BelowCal
15) 4,4'-DDD	0.000	8.657	0	53806	N.D.	0.026 #
16) Endosulfa...	7.826	8.732	24856	102596	0.008	0.035 #
17) 4,4'-DDT	7.934	8.864	9405	186164	0.003	0.057 #
18) Endrin Al...	8.121	8.977	132837	197556	0.040	0.069 #
19) Endosulfa...	8.416	9.168	35030	109596	0.012	BelowCal #
20) Methoxychlor	8.277	9.347	50586	280247	0.033	0.189 #
21) Endrin Ke...	8.620	9.566	382205	581133	0.165	0.246 #
23) Hexachlor...	0.000	3.607f	0	31653	N.D.	BelowCal
24) Hexachlor...	5.525	6.380f	644141	68031	BelowCal	BelowCal
25) Oxychlorane	0.000	7.801	0	5647	N.D.	BelowCal
26) 2,4'-DDE	7.102f	8.002	33823	19317	BelowCal	BelowCal
27) trans-Non...	0.000	8.076	0	29525	N.D.	BelowCal
28) 2,4'-DDD	0.000	8.378	0	8028	N.D.	BelowCal
29) 2,4'-DDT	7.594f	8.576f	12621	19404	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:18
 Operator : MJB
 Sample : 0J02031-CCB1
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:36:43 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

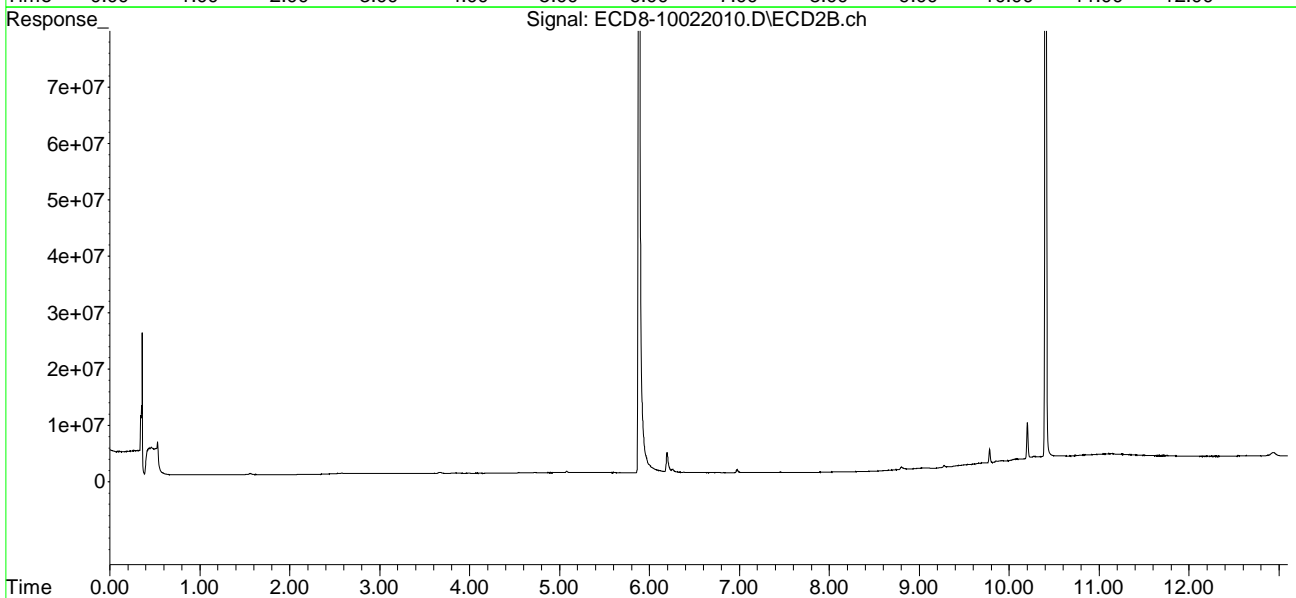
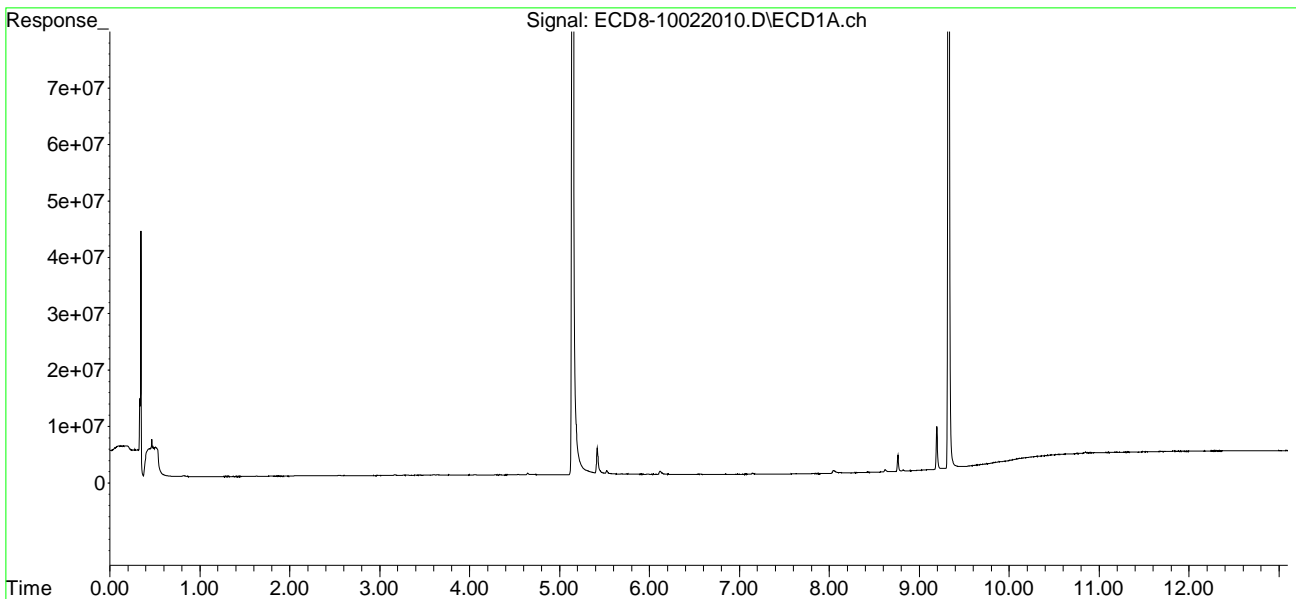
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.657f	0	53806	N.D.	BelowCal
31)	Mirex	8.360	9.566	29665	581133	14904.442	BelowCal #
32)	Chlordane...	0.000	8.222	0	8873	N.D.	0.020 #
33)	Chlordane...	7.505	8.341	9715	9012	0.018	0.024 #
34)	Chlordane...	8.045f	8.977	497851	197556	3.433	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.299	8.417	26815	7493	1.559	0.248 #
37)	Toxaphene...	7.594	8.764	12621	105046	125255.061	2.673 #
38)	Toxaphene...	7.934	8.799	9405	514359	0.125	8.134 #
39)	Toxaphene...	8.157	8.864	82306	186164	BelowCal	BelowCal
40)	Toxaphene...	8.383	9.061	41093	231711	0.736	4.081 #
41)	Toxaphene...	8.443	9.430	20866	408525	0.271	6.309 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 14:18
Operator : MJB
Sample : 0J02031-CCB1
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:36:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:35
 Operator : MJB
 Sample : 0100038-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:37:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.145	5.883	106.8E6	100.9E6	28.616	28.730
22) S DCBP (S)	9.323	10.403	121.2E6	100.2E6	39.768	46.653
Target Compounds						
2) a-BHC	5.684	6.522f	1897137	103501	0.385	0.064 #
3) g-BHC	5.954	6.799	350594	99512	0.079	0.025 #
4) b-BHC	6.034	6.868	821019	77123	0.414	0.041 #
5) Heptachlor	6.359	7.162	485397	150869	0.115	0.006 #
6) d-BHC	6.179	7.118	328733	257267	0.080	0.100 #
7) Aldrin	6.602	7.431	315189	73505	0.072	0.011 #
8) Heptachlo...	7.057	7.853	370499	3215775	0.091	0.878 #
9) trans-Chl...	7.153	8.006	317026	305188	0.077	0.082
10) cis-Chlor...	7.245	8.114	508566	215641	0.124	0.061 #
11) Endosulfa...	7.342	8.145	274342	460882	0.073	0.139 #
12) 4,4'-DDE	7.321	8.249f	261157	256240	0.064	0.093 #
13) Dieldrin	7.513	8.362	156815	540299	0.037	0.147 #
14) Endrin	7.675	8.595	123830	147902	0.041	0.027 #
15) 4,4'-DDD	7.738	8.635	85696	217949	0.026	0.084 #
16) Endosulfa...	7.814	8.731	651422	170909	0.201	0.058 #
17) 4,4'-DDT	7.940	8.863	411676	282026	0.133	0.094 #
18) Endrin Al...	8.116	8.956	314960	349290	0.096	0.123 #
19) Endosulfa...	8.428	9.164	99727	202660	0.034	0.037
20) Methoxychlor	8.275	9.341	22610	343400	0.015	0.232 #
21) Endrin Ke...	8.614	9.572	32383434	564654	14.010	0.236 #
23) Hexachlor...	2.925	3.557f	619754	5793586	BelowCal	1.341
24) Hexachlor...	5.524	6.364	538817	3122022	BelowCal	0.720
25) Oxychlorane	6.988	7.799	364142	354361	104477.245	BelowCal #
26) 2,4'-DDE	7.057	8.006	370499	305188	BelowCal	BelowCal
27) trans-Non...	7.245	8.071	508566	286318	BelowCal	BelowCal
28) 2,4'-DDD	7.441	8.362	127280	540299	BelowCal	0.066
29) 2,4'-DDT	7.623	8.595	183267	147902	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:35
 Operator : MJB
 Sample : 0100038-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:37:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

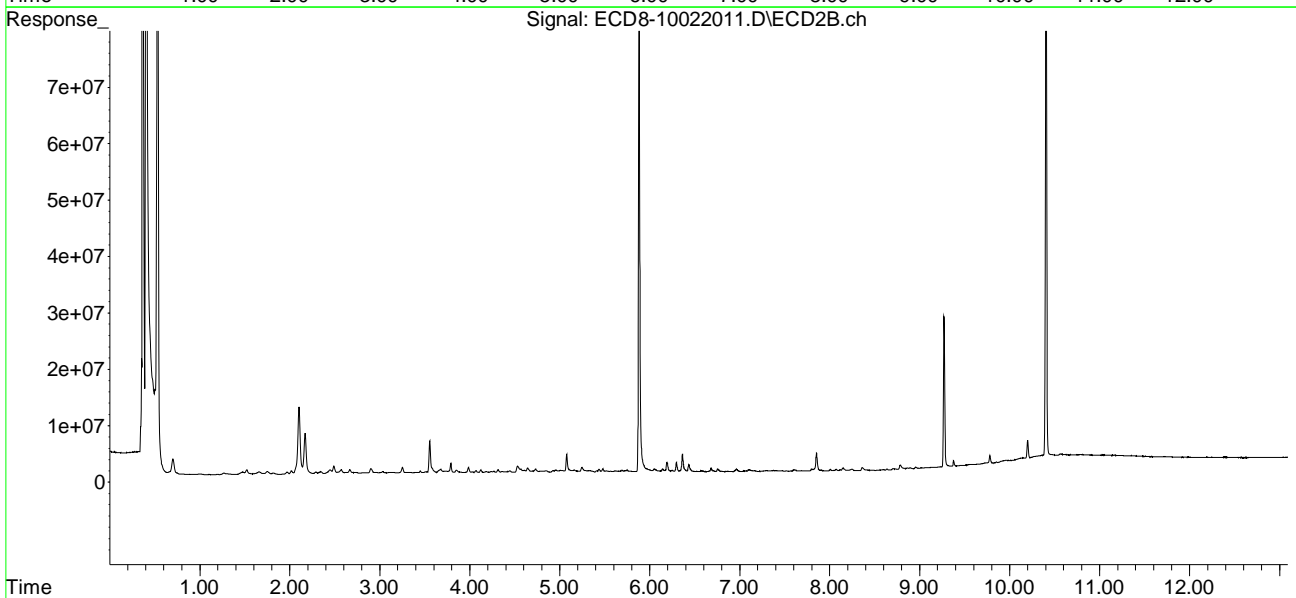
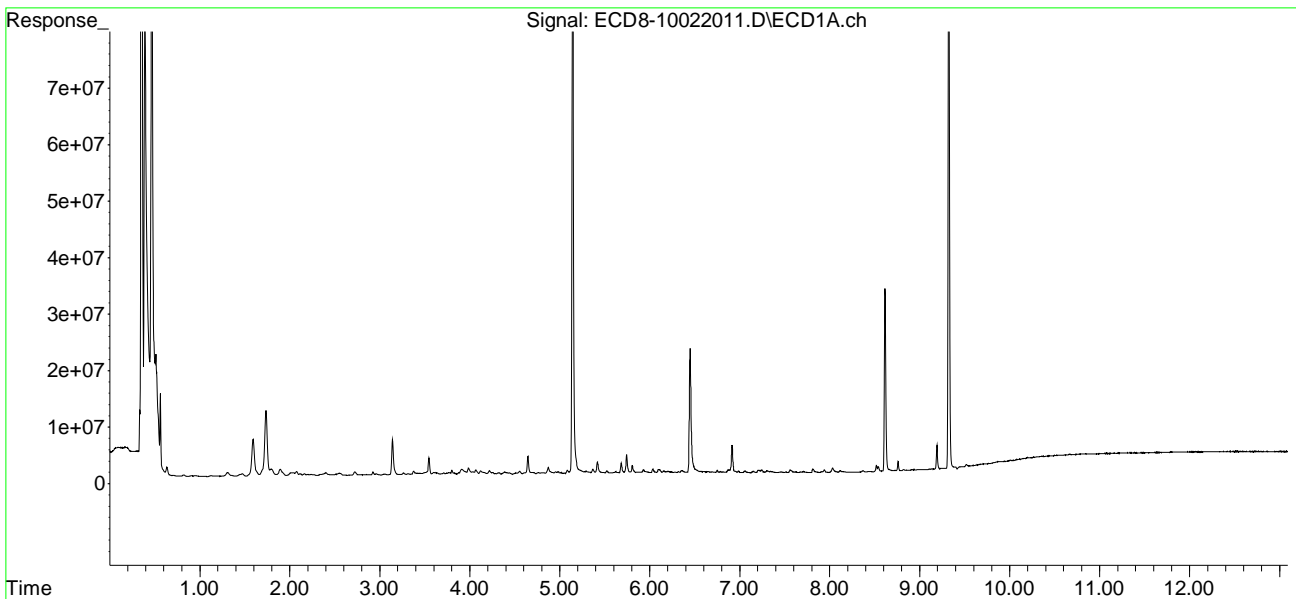
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.708	8.635	226087	217949	BelowCal	BelowCal
31)	Mirex	8.368	9.572f	258305	564654	14904.355	BelowCal #
32)	Chlordane...	7.441	8.249f	127280	256240	0.281	0.580 #
33)	Chlordane...	7.513	8.312f	156815	25782	0.285	0.069 #
34)	Chlordane...	0.000	9.016	0	246871	N.D.	BelowCal
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.321	8.408	261157	129255	15.182	4.275 #
37)	Toxaphene...	7.606	8.785	83407	805588	125252.881	20.500 #
38)	Toxaphene...	7.912	8.785	166897	805588	2.215	12.739 #
39)	Toxaphene...	8.146	8.863	148962	282026	BelowCal	BelowCal
40)	Toxaphene...	8.368	9.063	258305	226454	4.625	3.989
41)	Toxaphene...	8.445	9.460f	92653	393964	1.205	6.085 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 14:35
Operator : MJB
Sample : 0100038-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:37:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:52
 Operator : MJB
 Sample : 0100038-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:38:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.144	5.883	109.1E6	104.0E6	29.233	29.641
22) S DCBP (S)	9.323	10.404	126.4E6	107.8E6	41.471	50.019
Target Compounds						
2) a-BHC	5.675	6.482	176.0E6	176.6E6	35.741	37.781
3) g-BHC	5.956	6.799	161.0E6	156.3E6	36.399	37.941
4) b-BHC	6.031	6.865	62747052	62710140	31.604	33.264
5) Heptachlor	6.363	7.168	159.0E6	159.9E6	37.567	39.562
6) d-BHC	6.177	7.117	149.8E6	152.8E6	36.324	38.098
7) Aldrin	6.601	7.432	151.1E6	145.2E6	34.620	37.583
8) Heptachlo...	7.057	7.868	156.6E6	150.8E6	38.674	41.182
9) trans-Chl...	7.153	8.007	158.5E6	153.5E6	38.296	41.420
10) cis-Chlor...	7.250	8.115	152.9E6	146.1E6	37.284	41.186
11) Endosulfa...	7.342	8.164	159.8E6	151.0E6	42.352	45.584
12) 4,4'-DDE	7.323	8.224	152.0E6	146.4E6	37.188	39.847
13) Dieldrin	7.514	8.364	186.0E6	180.6E6	43.990	49.099
14) Endrin	7.676	8.590	164.0E6	155.2E6	54.228	58.408
15) 4,4'-DDD	7.738	8.639	147.8E6	141.5E6	44.247	45.928
16) Endosulfa...	7.829	8.737	154.4E6	148.4E6	47.761	50.577
17) 4,4'-DDT	7.935	8.864	158.7E6	154.3E6	51.363	53.634
18) Endrin Al...	8.117	8.973	127.6E6	124.0E6	38.757	43.569
19) Endosulfa...	8.415	9.163	152.7E6	145.0E6	52.733	55.796
20) Methoxychlor	8.277	9.343	81330169	76628804	53.665	51.679
21) Endrin Ke...	8.607	9.562	213.0E6	168.6E6	92.163	86.580
23) Hexachlor...	2.926	3.558f	479402	5813951	BelowCal	1.347
24) Hexachlor...	5.524	6.364	396780	3732407	BelowCal	0.906
25) Oxychlorane	6.995	7.797	739548	1420346	0.032	0.257 #
26) 2,4'-DDE	7.057	8.007	156.6E6	153.5E6	60.146	63.979
27) trans-Non...	7.250	8.070	152.9E6	1899194	40.456	0.344 #
28) 2,4'-DDD	7.439	8.364	333924	180.6E6	BelowCal	83.459
29) 2,4'-DDT	7.623	8.590	583889	155.2E6	0.069	69.859 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 14:52
 Operator : MJB
 Sample : 0100038-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:38:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

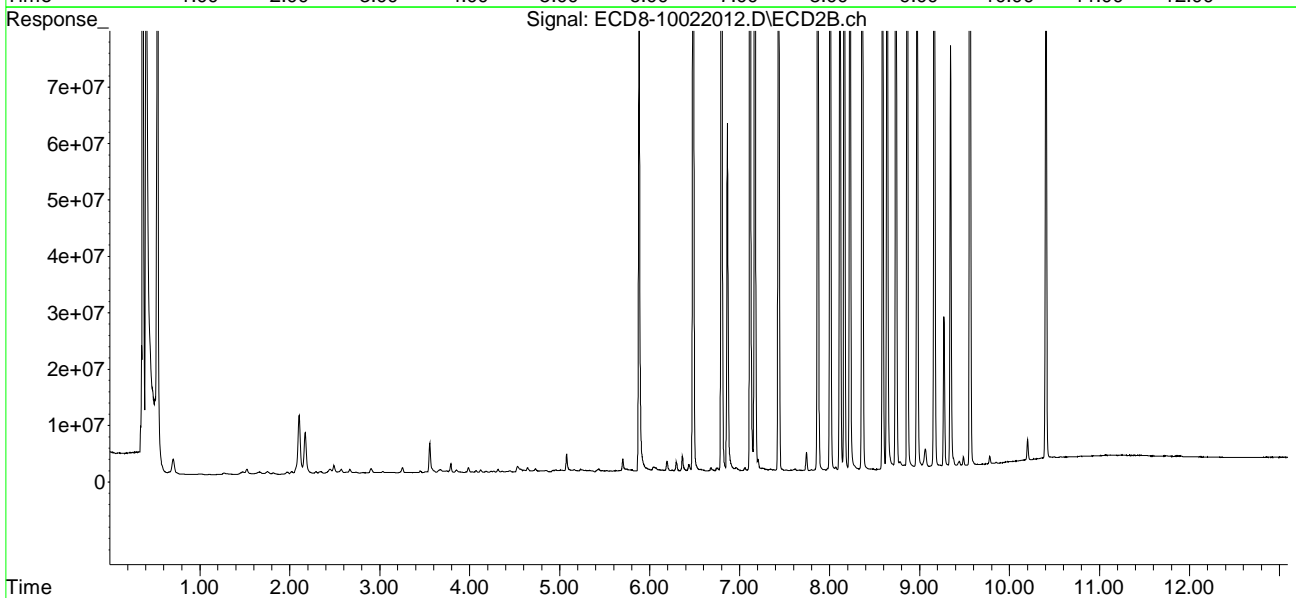
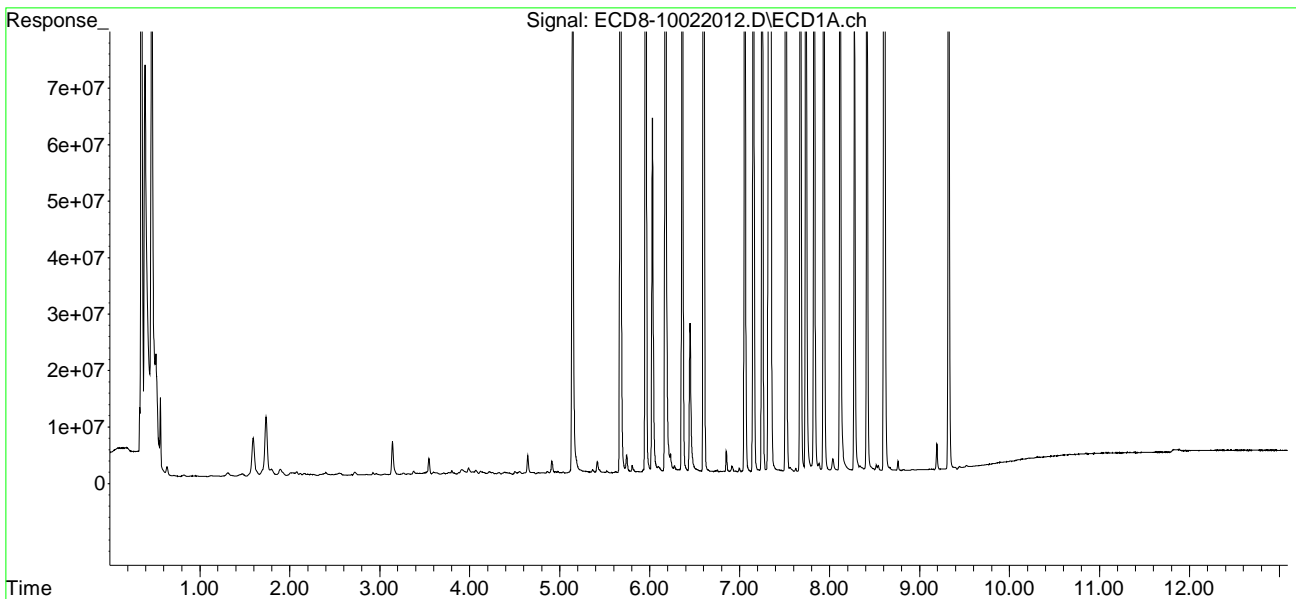
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.738f	8.639	147.8E6	141.5E6	36.035	38.412
31)	Mirex	8.339f	9.562	904704	168.6E6	0.059	74.903 #
32)	Chlordane...	7.439	8.224	333924	146.4E6	0.738	331.314 #
33)	Chlordane...	7.514	8.364f	186.0E6	180.6E6	338.128	485.114 #
34)	Chlordane...	8.035f	8.973f	2234194	124.0E6	15.404	1038.960 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.323	8.462f	152.0E6	1612736	8837.948	53.336 #
37)	Toxaphene...	7.623	8.783	583889	2919717	14.865	74.299 #
38)	Toxaphene...	7.935	8.783f	158.7E6	2919717	2106.324	46.171 #
39)	Toxaphene...	0.000	8.864	0	154.3E6	N.D.	1449.203 #
40)	Toxaphene...	8.415f	9.063	152.7E6	5147321	2734.639	90.661 #
41)	Toxaphene...	8.415f	9.440	152.7E6	3013492	1986.727	46.542 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 14:52
Operator : MJB
Sample : 0100038-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:38:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:08
 Operator : MJB
 Sample : 0100038-BS2
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:39:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.145	5.883	91787911	90938229	24.592	25.906
22) S DCBP (S)	9.324	10.403	121.5E6	104.6E6	39.852	48.602
Target Compounds						
2) a-BHC	5.684	6.478	2556836	236853	0.519	0.094 #
3) g-BHC	5.973	6.824f	848024	12262	0.192	0.002 #
4) b-BHC	6.034	6.868	1416389	70831	0.713	0.038 #
5) Heptachlor	6.362	7.167	1275087	325088	0.301	0.051 #
6) d-BHC	6.177	7.117	828965	241965	0.201	0.096 #
7) Aldrin	6.608	7.428	955093	58359	0.219	0.007 #
8) Heptachlo...	7.074	7.852	88770451	2027247	21.921	0.554 #
9) trans-Chl...	7.150	8.003	1264560	86877021	0.306	23.446 #
10) cis-Chlor...	7.243	8.111	143.1E6	508695	34.905	0.143 #
11) Endosulfa...	7.360	8.143f	996157	594460	0.264	0.179 #
12) 4,4'-DDE	7.301f	8.254f	1262718	300095	0.309	0.106 #
13) Dieldrin	7.505	8.375	1781125	91325865	0.421	24.832 #
14) Endrin	7.709f	8.598	183.2E6	101.3E6	60.584	39.274 #
15) 4,4'-DDD	7.709f	8.634	183.2E6	168.2E6	54.846	53.913
16) Endosulfa...	7.814	8.733	1616730	118887	0.500	0.041 #
17) 4,4'-DDT	7.938	8.863	1347867	218802	0.436	0.069 #
18) Endrin Al...	8.117	8.977	1282604	259597	0.390	0.091 #
19) Endosulfa...	8.447f	9.163	1003722	122192	0.347	0.003 #
20) Methoxychlor	8.279	9.342	868575	230641	0.573	0.156 #
21) Endrin Ke...	8.615	9.550	32824636	95672975	14.201	52.406 #
23) Hexachlor...	2.927	3.585	95096189	114.6E6	27.201	29.948
24) Hexachlor...	5.523	6.346	88393627	84472666	24.581	24.755
25) Oxychlorane	6.987	7.797	109.3E6	104.1E6	31.826	34.680
26) 2,4'-DDE	7.074	8.003	88770451	86877021	34.255	37.385
27) trans-Non...	7.243	8.070	143.1E6	131.8E6	37.864	39.425
28) 2,4'-DDD	7.441	8.375	94213649	91325865	41.711	44.220
29) 2,4'-DDT	7.623	8.598	113.3E6	101.3E6	47.928	46.916

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:08
 Operator : MJB
 Sample : 0100038-BS2
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:39:39 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

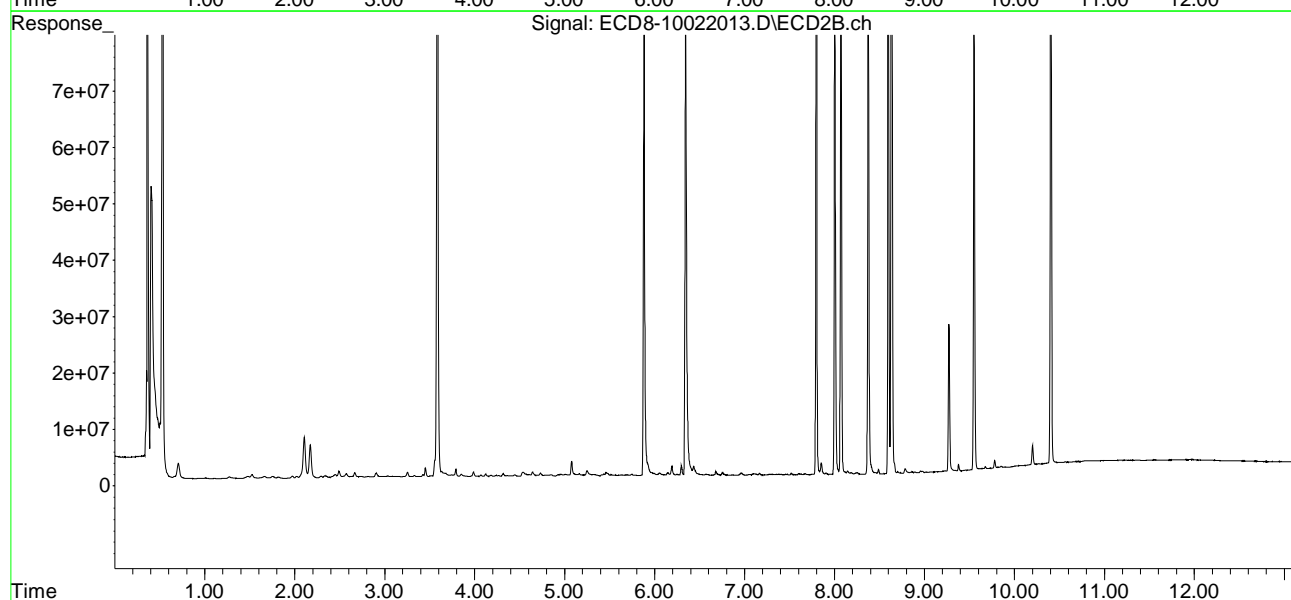
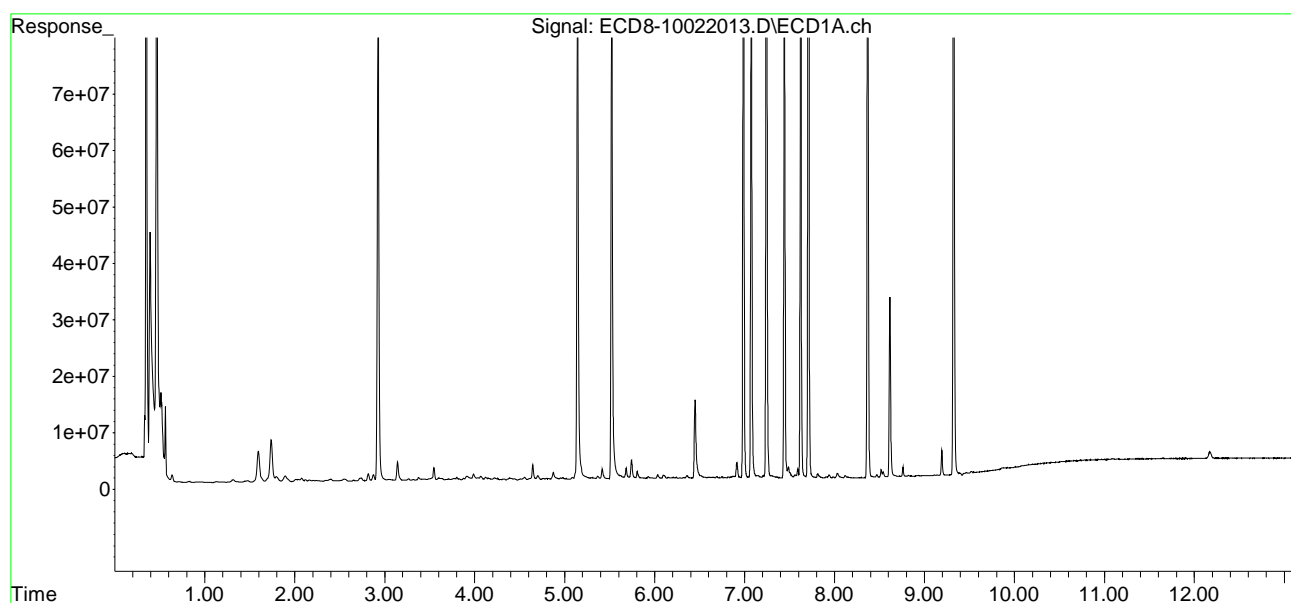
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.709	8.634	183.2E6	168.2E6	44.653	45.342
31)	Mirex	8.368	9.550	109.9E6	95672975	41.881	43.447
32)	Chlordane...	7.441	8.254f	94213649	300095	208.257	0.679 #
33)	Chlordane...	7.505	0.000	1781125	0	3.237	N.D. #
34)	Chlordane...	0.000	9.015	0	144869	N.D.	BelowCal
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.301	8.458f	1262718	271580	73.405	8.982 #
37)	Toxaphene...	7.623	8.784	113.3E6	770674	3587.540	19.612 #
38)	Toxaphene...	7.913	8.784	1004856	770674	13.336	12.187
39)	Toxaphene...	8.146	8.863	996516	218802	9.981	BelowCal #
40)	Toxaphene...	8.368	9.062	109.9E6	103902	1968.323	1.830 #
41)	Toxaphene...	8.447	9.432	1003722	197864	13.056	3.056 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:08
Operator : MJB
Sample : 0100038-BS2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:39:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:25
 Operator : MJB
 Sample : A0I0556-48RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

R-04

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:40:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 10/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.143	5.881	62772974	52448589	16.818	14.941
22) S DCBP (S)	9.324	10.403	53755344	49916913	17.531	23.601 #
Target Compounds						
2) a-BHC	5.683	6.480	6569178	5285996	1.334	1.235
3) g-BHC	5.927f	6.760f	6789504	1164.4E6	1.535	218.466 #
4) b-BHC	6.032	6.874	16754358	8198143	8.439	4.349 #
5) Heptachlor	6.371	7.164	56187098	5973451	13.271	1.532 #
6) d-BHC	6.159	7.125	15188709	6260171	3.682	1.679 #
7) Aldrin	6.611	7.427	30106882	5588646	6.899	1.517 #
8) Heptachlo...	7.030f	7.839f	19265359	10381480	4.757	2.836 #
9) trans-Chl...	7.159	8.010	4856350	4755432	1.174	1.283
10) cis-Chlor...	7.266	8.137f	5433482	5546291	1.325	1.563
11) Endosulfa...	7.338	8.160	3744573	4087561	0.992	1.234
12) 4,4'-DDE	7.309	8.235	4271229	4577720	1.045m	1.349 # MDL=MRL
13) Dieldrin	7.526	8.346	3771557	26215276	0.892	7.128 #
14) Endrin	7.680	8.592	27769984	3219395	9.184	1.297 #
15) 4,4'-DDD	7.731	8.626	4137722	2548712	1.239	0.898 #
16) Endosulfa...	7.849	8.728	2893188	2306945	0.895	0.786
17) 4,4'-DDT	7.949	8.875	3681515	3443283	1.191	1.321 MDL=MRL
18) Endrin Al...	8.113	8.985	3041087	2171819	0.924	0.763
19) Endosulfa...	8.418	9.179	39172908	6815181	13.525	2.806 #
20) Methoxychlor	8.290	9.365	12761233	6738535	8.420	4.544 #
21) Endrin Ke...	8.615	9.560	26751316	4862611	11.573	2.850 #
23) Hexachlor...	2.925	3.591	923542	1339098	0.035	0.134 #
24) Hexachlor...	5.518	6.363	6121102	10475363	1.497	2.950 #
25) Oxychlorane	6.977	7.788	6495299	10671484	1.717	3.467 #
26) 2,4'-DDE	7.085	8.010	4339130	4755432	1.518m	1.951 # MDL=MRL
27) trans-Non...	7.266f	8.069	5433482	5558990	1.215	1.497
28) 2,4'-DDD	7.440	8.389	4215442	3992816	1.693	1.841 MDL=MRL
29) 2,4'-DDT	7.606	8.592	4184607	3219395	1.623	1.396 MDL=MRL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:25
 Operator : MJB
 Sample : A0I0556-48RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:40:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

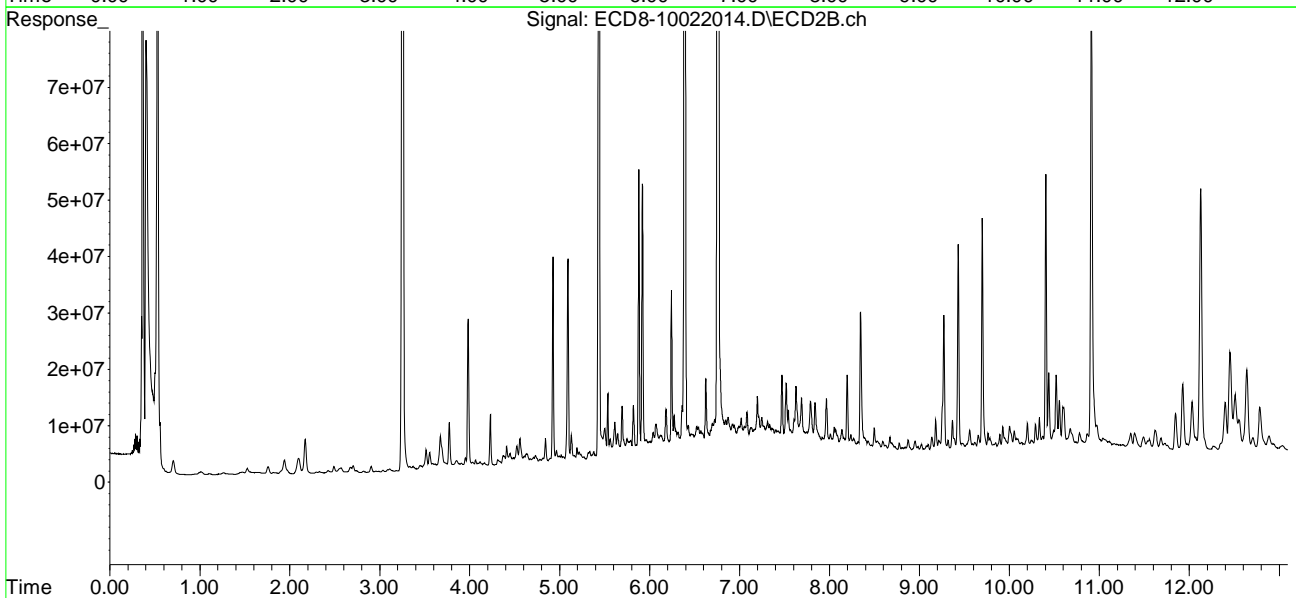
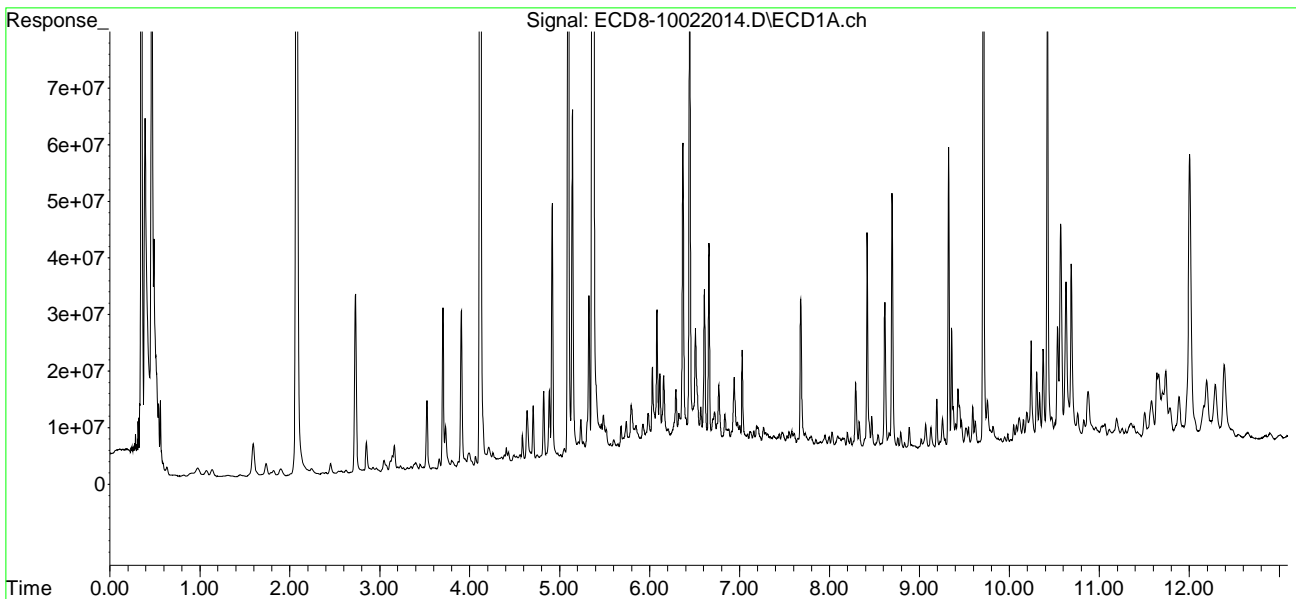
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.731f	8.626	4137722	2548712	0.836	0.546 #
31)	Mirex	8.330f	9.560	5813877	4862611	1.937	1.895
32)	Chlordane...	7.440	8.235	4215442	4577720	9.318	10.361
33)	Chlordane...	7.526	8.346	3771557	26215276	6.855	70.428 #
34)	Chlordane...	8.091f	8.985	3441891	2171819	23.731	10.628 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.311	8.428	4254135	3417520	247.305	113.024 #
37)	Toxaphene...	7.606	8.776	4184607	2874116	125.849	73.138 #
38)	Toxaphene...	7.893f	8.805	2541119	2091021	33.725	33.067
39)	Toxaphene...	8.162	8.875	3019843	3443283	40.320	30.623
40)	Toxaphene...	8.418f	9.024f	39172908	2443676	701.380	43.041 #
41)	Toxaphene...	8.468f	9.430	6641821	37851555	86.396	584.601 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

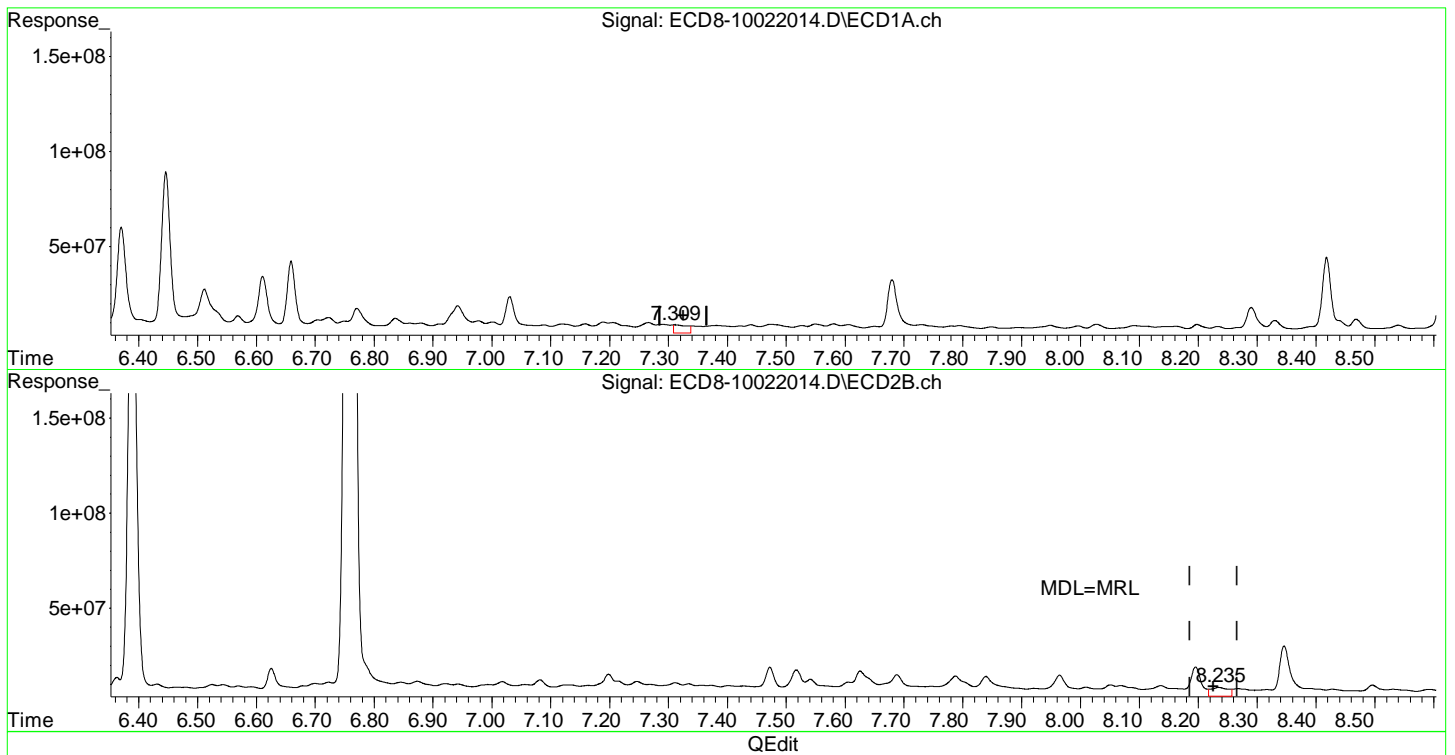
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.309min 1.045 ng/mL m
response 4271229

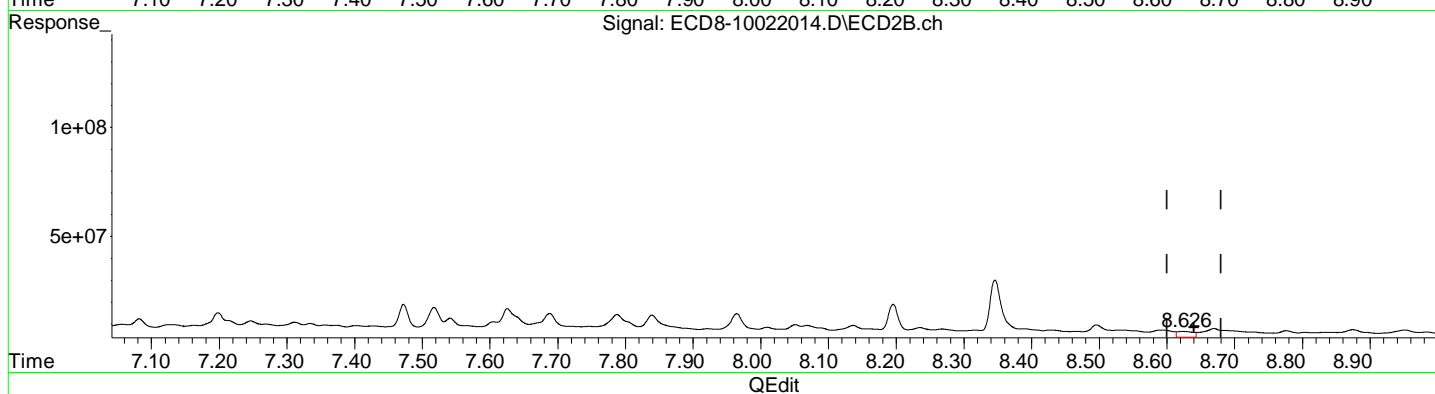
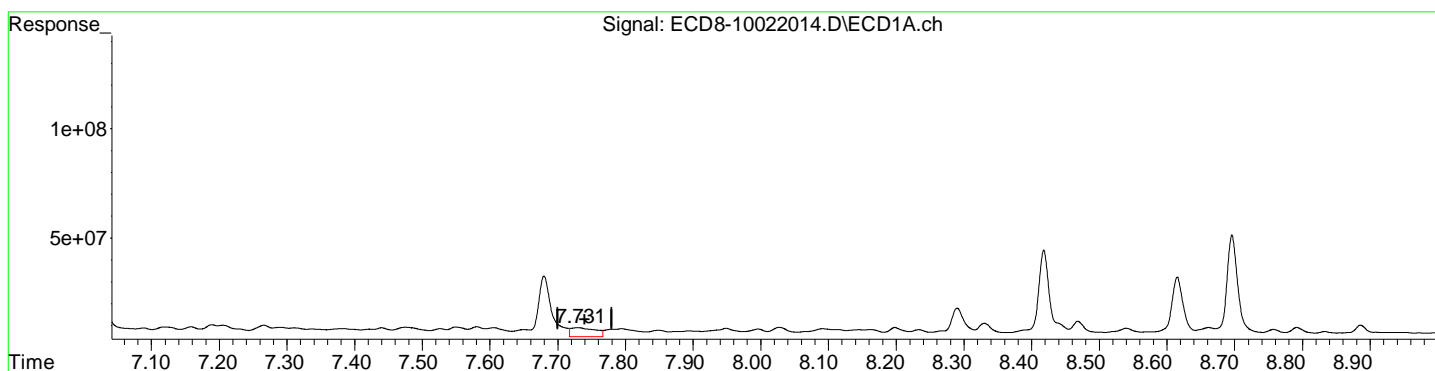
MJB 10/2/20

(12) 4,4'-DDE #2
8.235min 1.349 ng/mL
response 4577720

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.731min 1.239 ng/mL
response 4137722

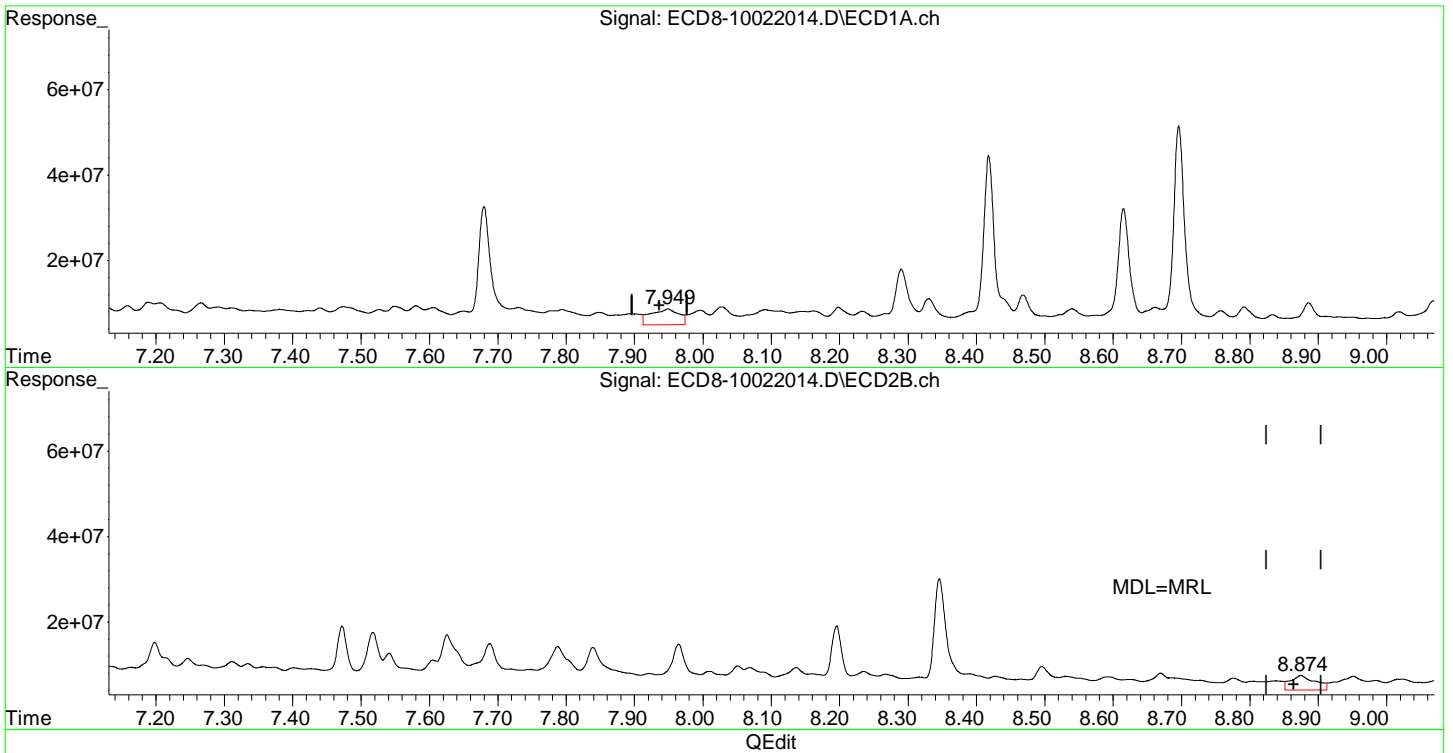
MJB 10/2/20

(15) 4,4'-DDD #2
8.626min 0.898 ng/mL
response 2548712

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.949min 1.191 ng/mL
response 3681515

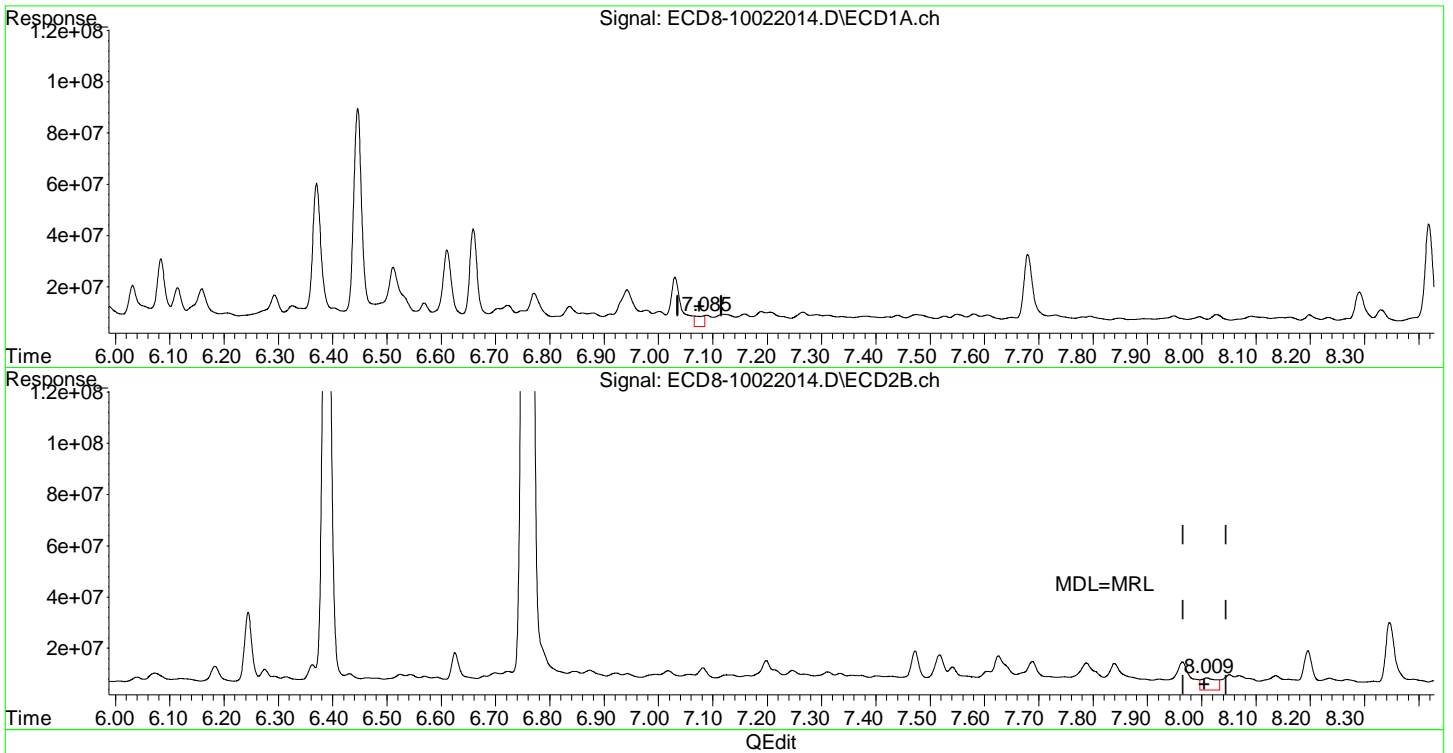
MJB 10/2/20

(17) 4,4'-DDT #2
8.875min 1.321 ng/mL
response 3443283

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.085min 1.518 ng/mL m
response 4339130

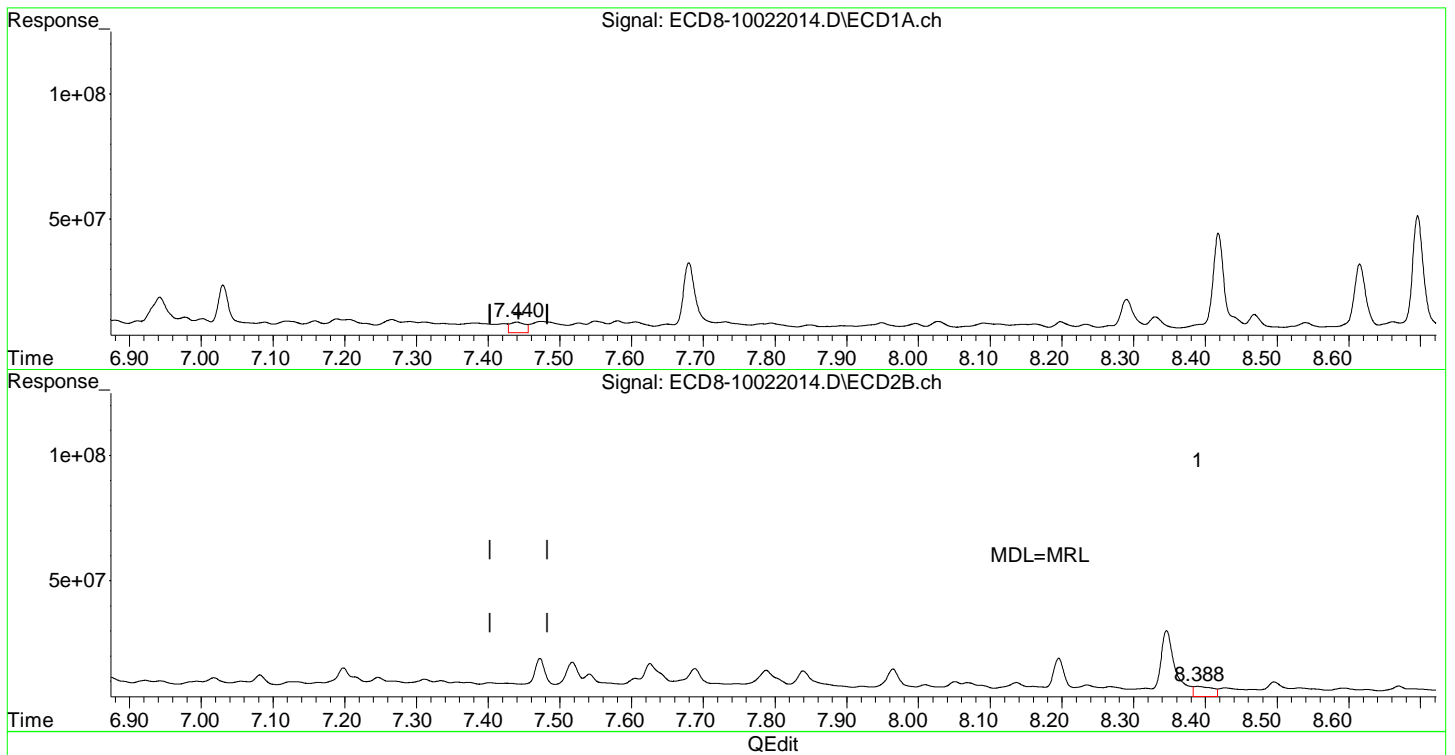
MJB 10/2/20

(26) 2,4'-DDE #2
8.010min 1.951 ng/mL
response 4755432

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.440min 1.693 ng/mL
response 4215442

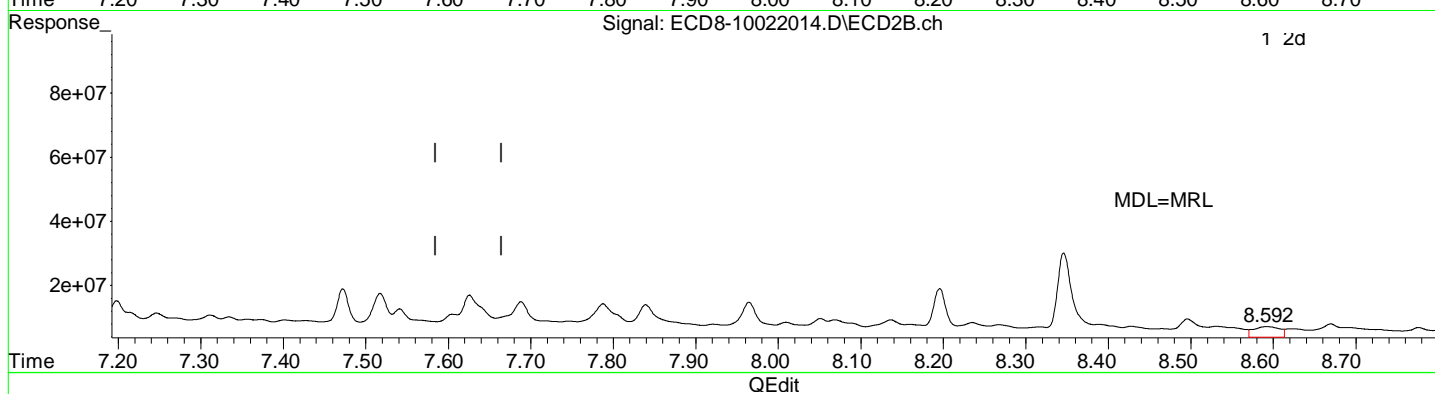
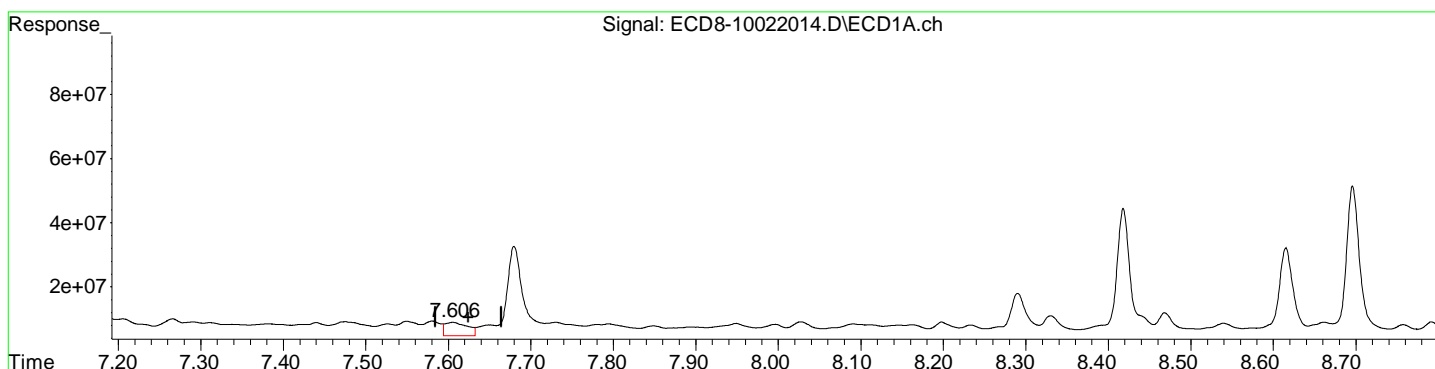
MJB 10/2/20

(28) 2,4'-DDD #2
8.389min 1.841 ng/mL
response 3992816

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.606min 1.623 ng/mL
response 4184607

MJB 10/2/20

(29) 2,4'-DDT #2
8.592min 1.396 ng/mL
response 3219395

MI

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:25
 Operator : MJB
 Sample : A0I0556-48RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:40:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.143	5.881	62772974	52448589	16.818	14.941
22) S DCBP (S)	9.324	10.403	53755344	49916913	17.531	23.601 #
Target Compounds						
2) a-BHC	5.683	6.480	6569178	5285996	1.334	1.235
3) g-BHC	5.927f	6.760f	6789504	1164.4E6	1.535	218.466 #
4) b-BHC	6.032	6.874	16754358	8198143	8.439	4.349 #
5) Heptachlor	6.371	7.164	56187098	5973451	13.271	1.532 #
6) d-BHC	6.159	7.125	15188709	6260171	3.682	1.679 #
7) Aldrin	6.611	7.427	30106882	5588646	6.899	1.517 #
8) Heptachlo...	7.030f	7.839f	19265359	10381480	4.757	2.836 #
9) trans-Chl...	7.159	8.010	4856350	4755432	1.174	1.283
10) cis-Chlor...	7.266	8.137f	5433482	5546291	1.325	1.563
11) Endosulfa...	7.338	8.160	3744573	4087561	0.992	1.234
12) 4,4'-DDE	7.338	8.235	3744573	4577720	0.916	1.349 #
13) Dieldrin	7.526	8.346	3771557	26215276	0.892	7.128 #
14) Endrin	7.680	8.592	27769984	3219395	9.184	1.297 #
15) 4,4'-DDD	7.731	8.626	4137722	2548712	1.239	0.898 #
16) Endosulfa...	7.849	8.728	2893188	2306945	0.895	0.786
17) 4,4'-DDT	7.949	8.875	3681515	3443283	1.191	1.321
18) Endrin Al...	8.113	8.985	3041087	2171819	0.924	0.763
19) Endosulfa...	8.418	9.179	39172908	6815181	13.525	2.806 #
20) Methoxychlor	8.290	9.365	12761233	6738535	8.420	4.544 #
21) Endrin Ke...	8.615	9.560	26751316	4862611	11.573	2.850 #
23) Hexachlor...	2.925	3.591	923542	1339098	0.035	0.134 #
24) Hexachlor...	5.518	6.363	6121102	10475363	1.497	2.950 #
25) Oxychlorane	6.977	7.788	6495299	10671484	1.717	3.467 #
26) 2,4'-DDE	7.089	8.010	4371232	4755432	1.531	1.951 #
27) trans-Non...	7.266f	8.069	5433482	5558990	1.215	1.497
28) 2,4'-DDD	7.440	8.389	4215442	3992816	1.693	1.841
29) 2,4'-DDT	7.606	8.592	4184607	3219395	1.623	1.396

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:25
 Operator : MJB
 Sample : A0I0556-48RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:40:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

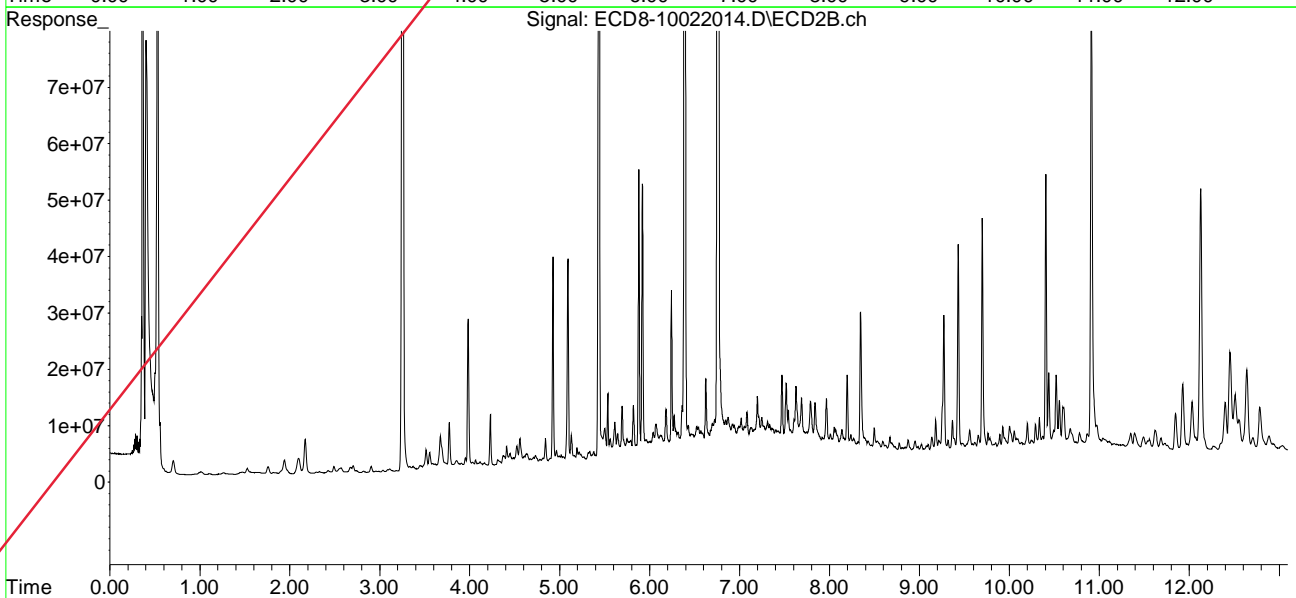
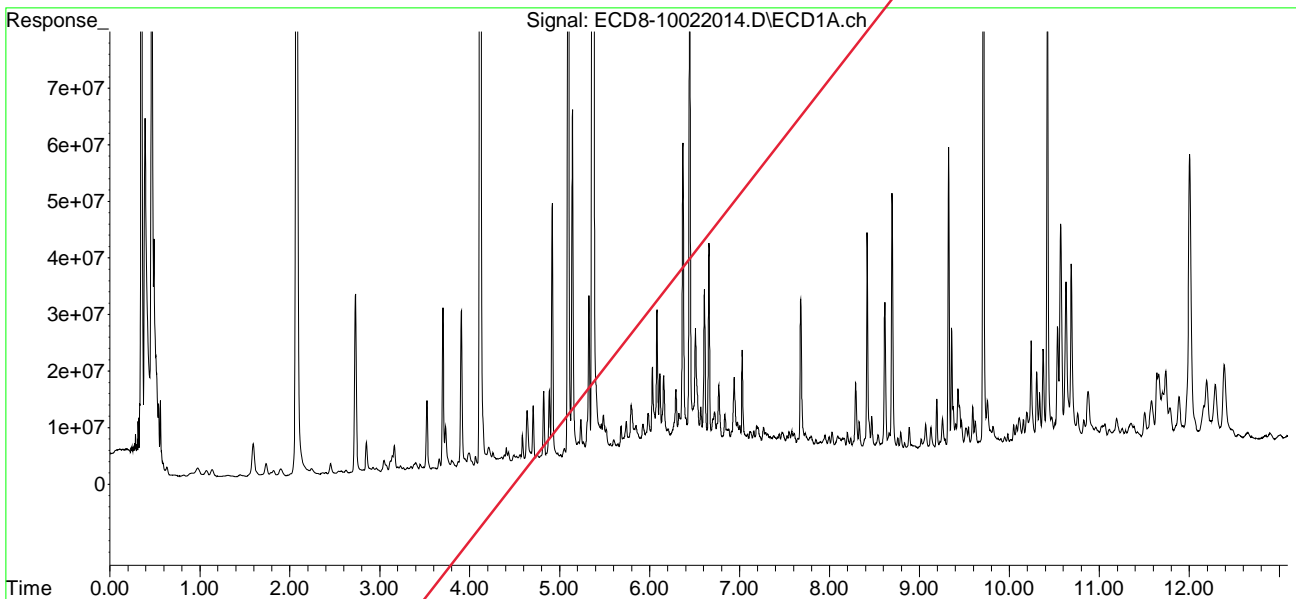
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.731f	8.626	4137722	2548712	0.836	0.546 #
31)	Mirex	8.330f	9.560	5813877	4862611	1.937	1.895
32)	Chlordane...	7.440	8.235	4215442	4577720	9.318	10.361
33)	Chlordane...	7.526	8.346	3771557	26215276	6.855	70.428 #
34)	Chlordane...	8.091f	8.985	3441891	2171819	23.731	10.628 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.311	8.428	4254135	3417520	247.305	113.024 #
37)	Toxaphene...	7.606	8.776	4184607	2874116	125.849	73.138 #
38)	Toxaphene...	7.893f	8.805	2541119	2091021	33.725	33.067
39)	Toxaphene...	8.162	8.875	3019843	3443283	40.320	30.623
40)	Toxaphene...	8.418f	9.024f	39172908	2443676	701.380	43.041 #
41)	Toxaphene...	8.468f	9.430	6641821	37851555	86.396	584.601 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:25
Operator : MJB
Sample : A0I0556-48RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:40:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:41
 Operator : MJB
 Sample : 0100038-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

R-04

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:47:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 10/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.143	5.880	63458898	57135572	17.002	16.276
22) S DCBP (S)	9.324	10.404	55088993	55717755	17.971	26.307 #
Target Compounds						
2) a-BHC	5.684	6.482	5204704	6222018	1.057	1.446 #
3) g-BHC	5.956	6.761f	3796540	1506.6E6	0.858	266.540 #
4) b-BHC	6.032	6.877	9661606	11620175	4.866	6.164 #
5) Heptachlor	6.371	7.197f	68388533	8462112	16.153	2.182 #
6) d-BHC	6.158	7.124	7254679	8016811	1.759	2.139
7) Aldrin	6.610	7.425	53040396	8276350	12.155	2.248 #
8) Heptachlo...	7.069	7.839f	3877965	20385146	0.958	5.569 #
9) trans-Chl...	7.159	8.009	4200617	7932328	1.015	2.141 #
10) cis-Chlor...	7.263	8.136f	4134087	8000263	1.008	2.255 #
11) Endosulfa...	7.366f	8.136f	2992744	8000263	0.793	2.415 #
12) 4,4'-DDE	7.313	8.235	3944305	6860472	0.965	2.011 # R-02
13) Dieldrin	7.486f	8.346	2854472	28199981	0.675	7.668 #
14) Endrin	7.680	8.595	27130873	5570216	8.973	2.266 #
15) 4,4'-DDD	7.730	8.623	3459124	4606280	1.036	1.615m# MDL=MRL
16) Endosulfa...	7.849	8.729	2199814	4801276	0.680	1.637 #
17) 4,4'-DDT	7.948	8.874	3809007	5878800	1.233	2.262 # R-02
18) Endrin Al...	8.098f	8.985	3002501	4714495	0.912	1.656 #
19) Endosulfa...	8.419	9.179	42242060	10156255	14.585	4.195 #
20) Methoxychlor	8.291	9.364	12697646	10099586	8.378	6.811
21) Endrin Ke...	8.615	9.559	26483743	7974362	11.458	4.723 #
23) Hexachlor...	2.925	3.591	569688	1406819	BelowCal	0.153
24) Hexachlor...	5.519	6.364	6480008	14033613	1.598	4.024 #
25) Oxychlorane	6.977	7.788	6511255	13927025	1.721	4.591 #
26) 2,4'-DDE	7.069	8.009	3877965	7932328	1.338	3.385 # R-02
27) trans-Non...	7.231	8.050f	3538117	13568939	0.709	4.009 #
28) 2,4'-DDD	7.440	8.390	3350569	6577920	1.305	3.164 # R-02
29) 2,4'-DDT	7.607	8.595	3430299	5570216	1.297	2.556 # R-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:41
 Operator : MJB
 Sample : 0100038-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:47:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

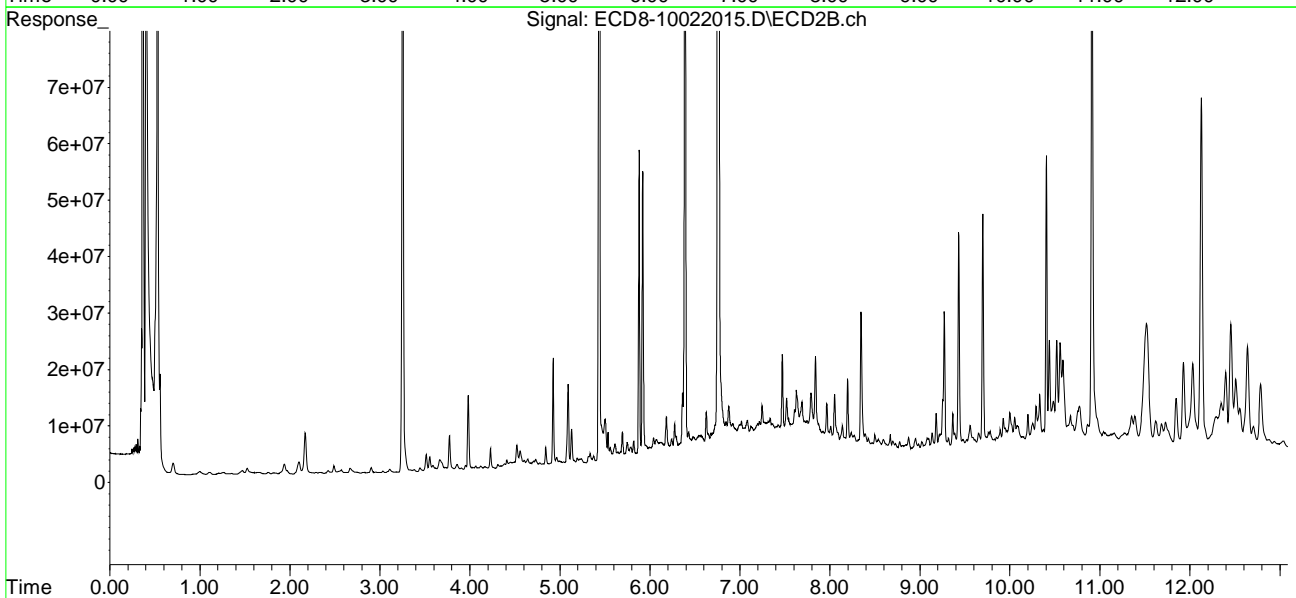
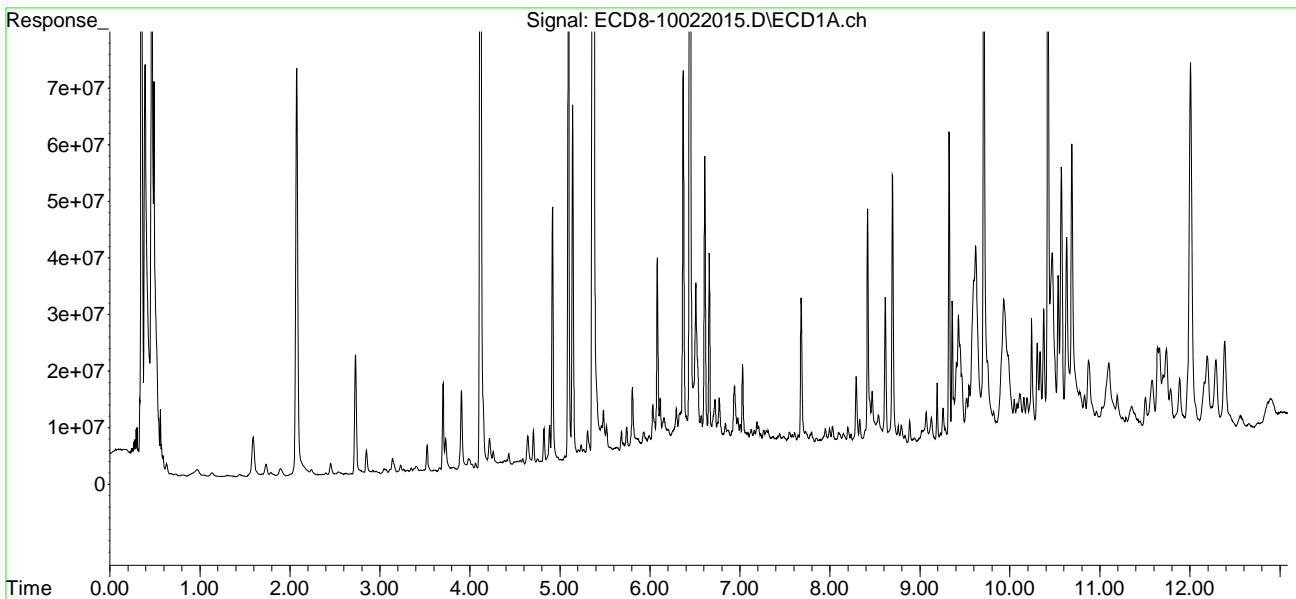
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.730	8.670f	3459124	6429705	0.668	1.649 #
31)	Mirex	8.332f	9.559	5156189	7974362	1.686	3.368 #
32)	Chlordane...	7.440	8.235	3350569	6860472	7.406	15.528 #
33)	Chlordane...	7.551f	8.346	3527394	28199981	6.411	75.760 #
34)	Chlordane...	8.070	8.985	1847509	4714495	12.738	34.522 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.313	8.427	3944305	5795220	229.294	191.659
37)	Toxaphene...	7.607	8.775	3430299	5111550	102.583	130.075 #
38)	Toxaphene...	7.893f	8.803	1949839	4488472	25.878	70.979 #
39)	Toxaphene...	8.151	8.874	2666711	5878800	35.031	57.150 #
40)	Toxaphene...	8.419f	9.022f	42242060	5094946	756.332	89.738 #
41)	Toxaphene...	8.468f	9.430	9907214	42168135	128.872	651.269 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

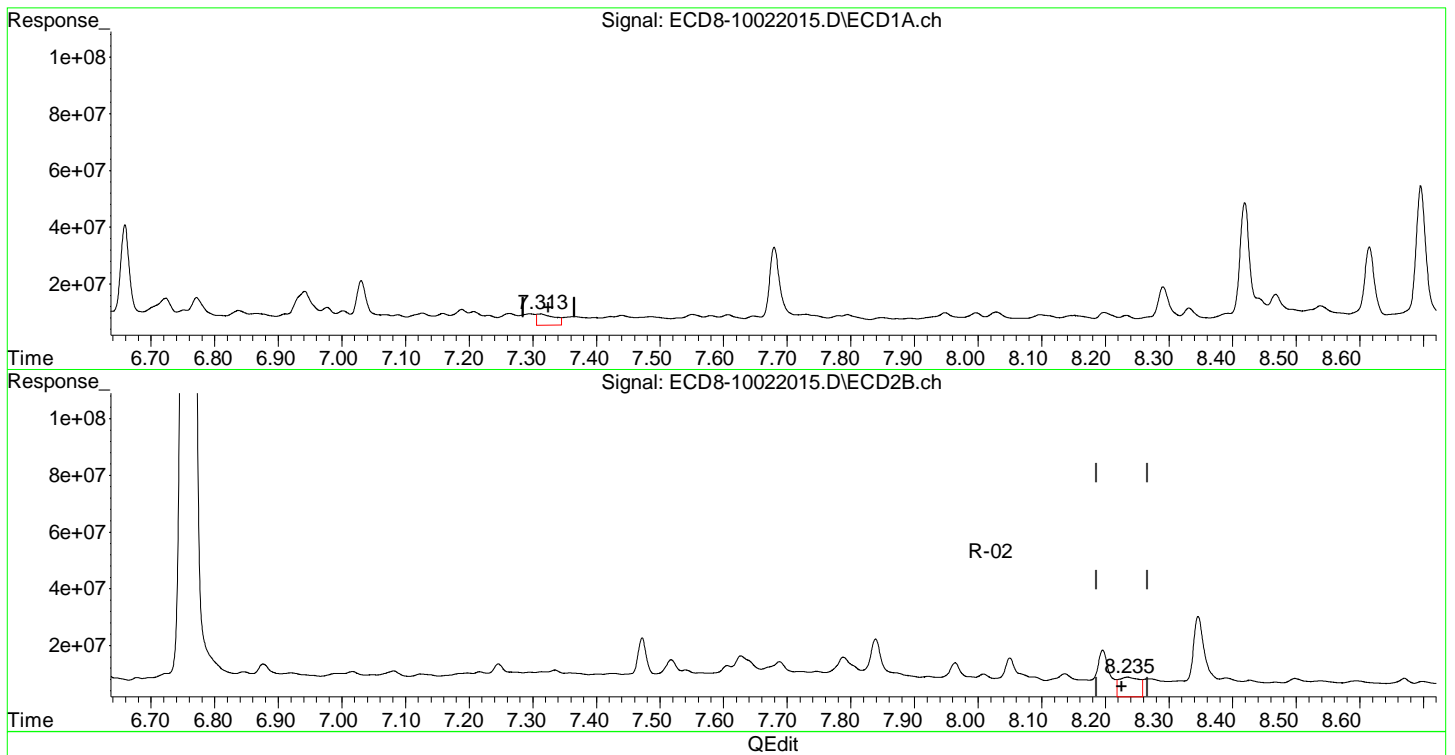
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.313min 0.965 ng/mL
response 3944305

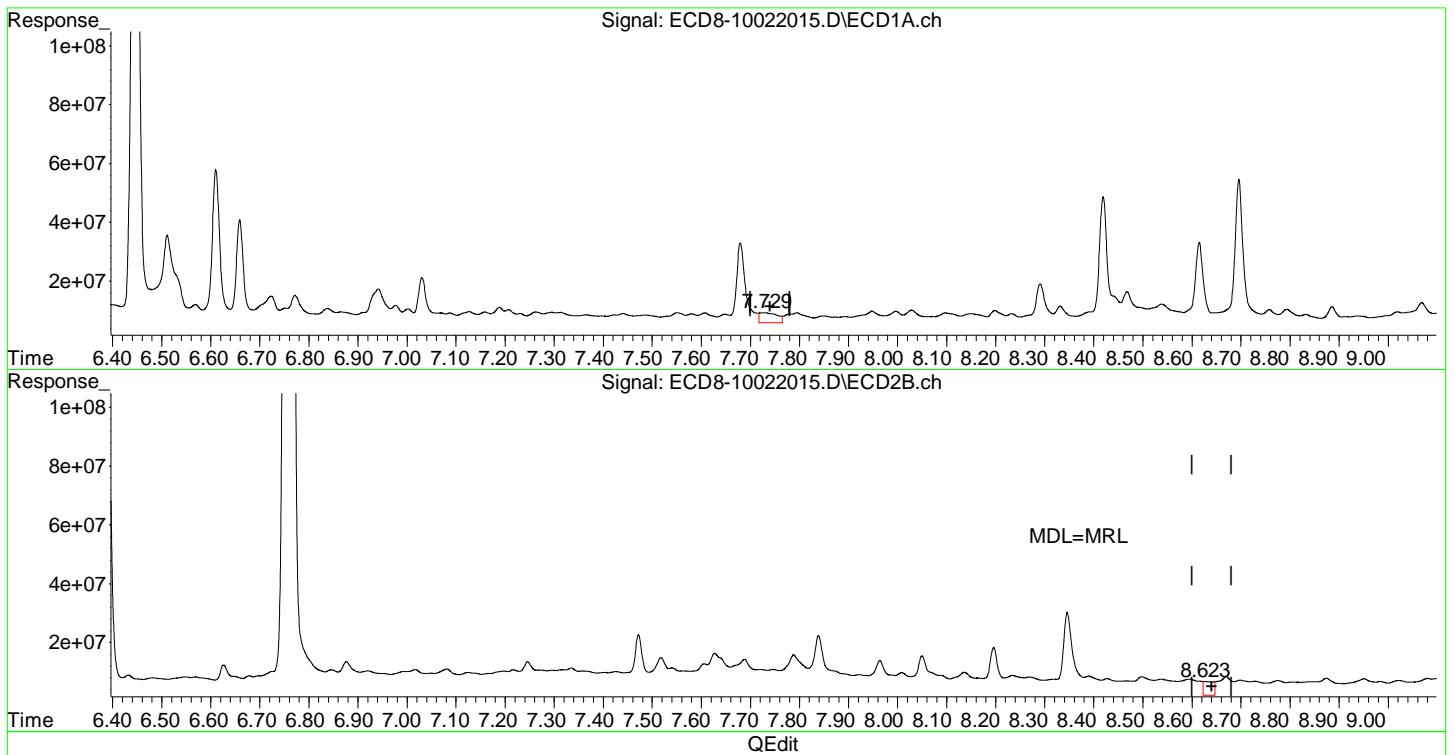
MJB 10/2/20

(12) 4,4'-DDE #2
8.235min 2.011 ng/mL
response 6860472

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.730min 1.036 ng/mL
response 3459124

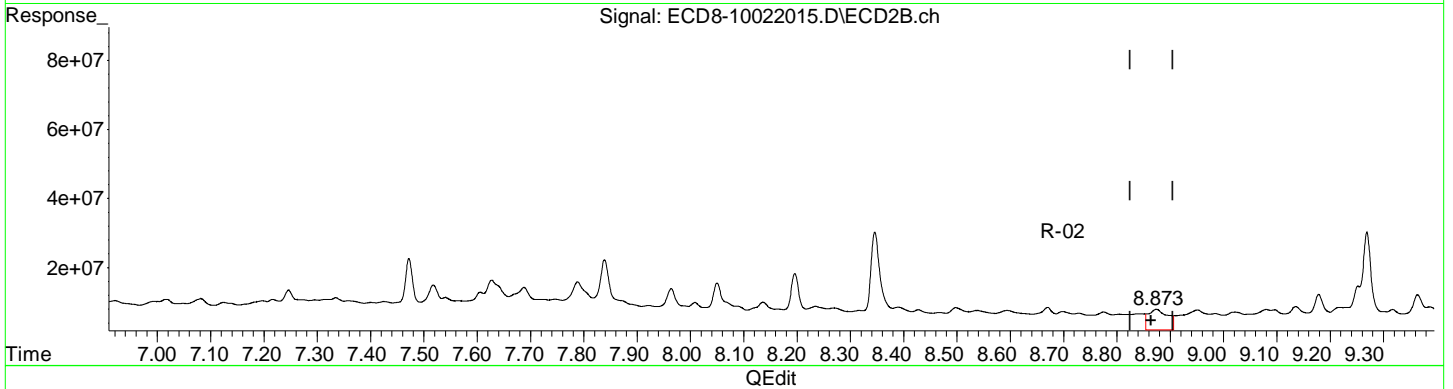
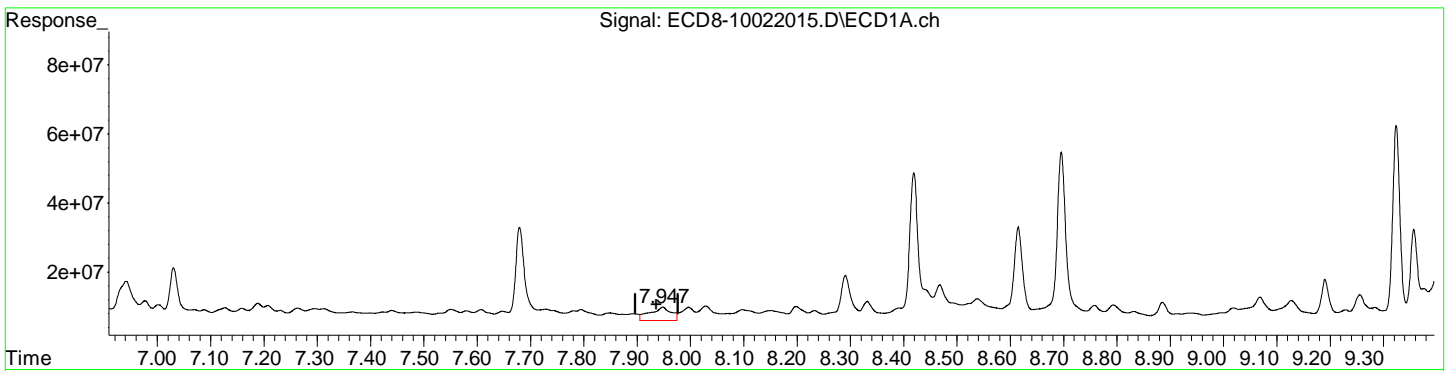
MJB 10/2/20

(15) 4,4'-DDD #2
8.623min 1.615 ng/mL m
response 4606280

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.948min 1.233 ng/mL
response 3809007

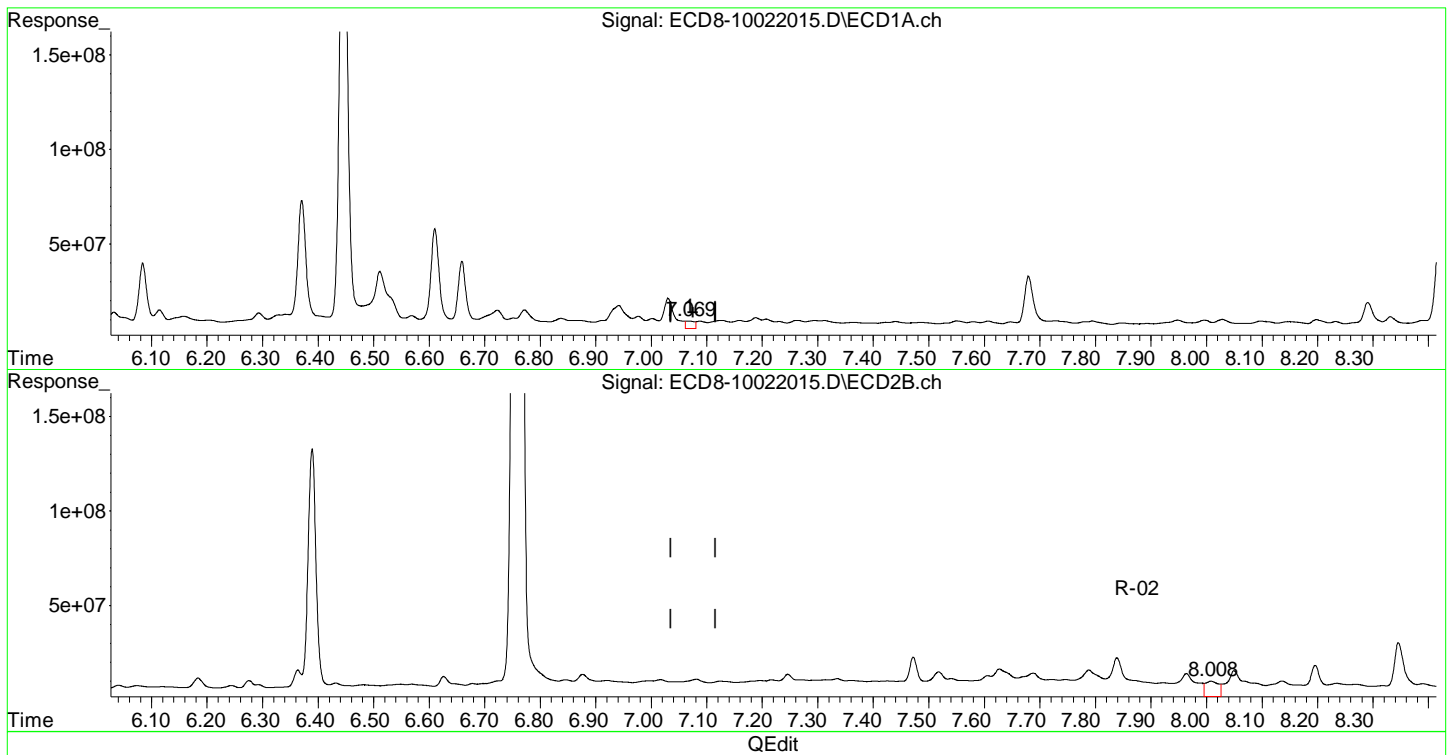
MJB 10/2/20

(17) 4,4'-DDT #2
8.874min 2.262 ng/mL
response 5878800

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.069min 1.338 ng/mL
response 3877965

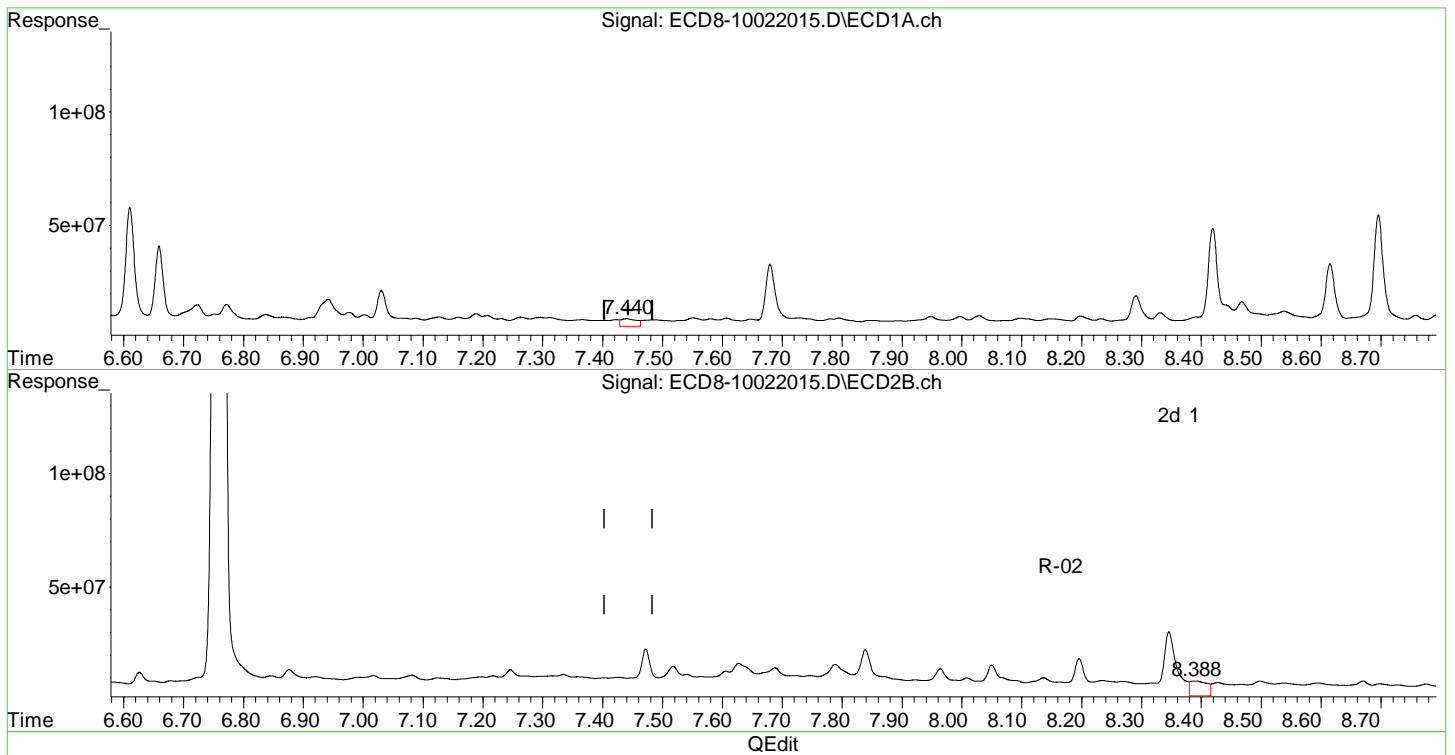
MJB 10/2/20

(26) 2,4'-DDE #2
8.009min 3.385 ng/mL
response 7932328

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.440min 1.305 ng/mL
response 3350569

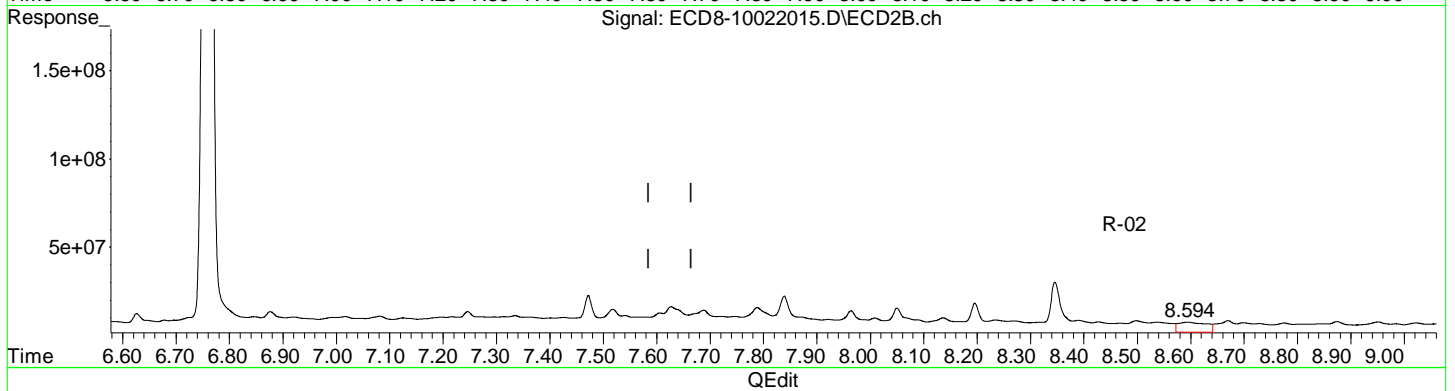
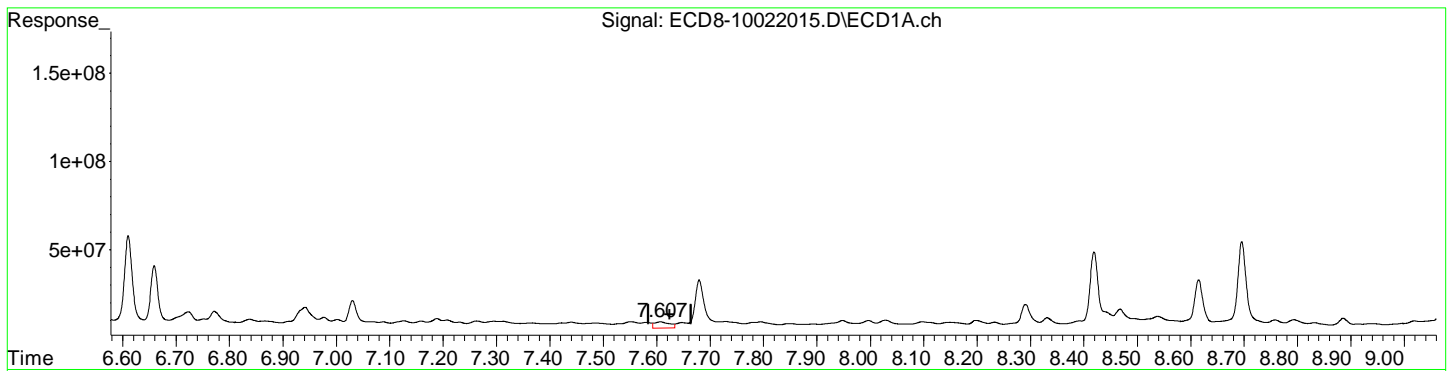
MJB 10/2/20

(28) 2,4'-DDD #2
8.390min 3.164 ng/mL
response 6577920

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.607min 1.297 ng/mL
response 3430299

MJB 10/2/20

(29) 2,4'-DDT #2
8.595min 2.556 ng/mL
response 5570216

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:41
 Operator : MJB
 Sample : 0100038-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:47:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.143	5.880	63458898	57135572	17.002	16.276
22) S DCBP (S)	9.324	10.404	55088993	55717755	17.971	26.307 #
Target Compounds						
2) a-BHC	5.684	6.482	5204704	6222018	1.057	1.446 #
3) g-BHC	5.956	6.761f	3796540	1506.6E6	0.858	266.540 #
4) b-BHC	6.032	6.877	9661606	11620175	4.866	6.164 #
5) Heptachlor	6.371	7.197f	68388533	8462112	16.153	2.182 #
6) d-BHC	6.158	7.124	7254679	8016811	1.759	2.139
7) Aldrin	6.610	7.425	53040396	8276350	12.155	2.248 #
8) Heptachlo...	7.069	7.839f	3877965	20385146	0.958	5.569 #
9) trans-Chl...	7.159	8.009	4200617	7932328	1.015	2.141 #
10) cis-Chlor...	7.263	8.136f	4134087	8000263	1.008	2.255 #
11) Endosulfa...	7.366f	8.136f	2992744	8000263	0.793	2.415 #
12) 4,4'-DDE	7.313	8.235	3944305	6860472	0.965	2.011 #
13) Dieldrin	7.486f	8.346	2854472	28199981	0.675	7.668 #
14) Endrin	7.680	8.595	27130873	5570216	8.973	2.266 #
15) 4,4'-DDD	7.730	8.670f	3459124	6429705	1.036	2.249 #
16) Endosulfa...	7.849	8.729	2199814	4801276	0.680	1.637 #
17) 4,4'-DDT	7.948	8.874	3809007	5878800	1.233	2.262 #
18) Endrin Al...	8.098f	8.985	3002501	4714495	0.912	1.656 #
19) Endosulfa...	8.419	9.179	42242060	10156255	14.585	4.195 #
20) Methoxychlor	8.291	9.364	12697646	10099586	8.378	6.811
21) Endrin Ke...	8.615	9.559	26483743	7974362	11.458	4.723 #
23) Hexachlor...	2.925	3.591	569688	1406819	BelowCal	0.153
24) Hexachlor...	5.519	6.364	6480008	14033613	1.598	4.024 #
25) Oxychlorane	6.977	7.788	6511255	13927025	1.721	4.591 #
26) 2,4'-DDE	7.069	8.009	3877965	7932328	1.338	3.385 #
27) trans-Non...	7.231	8.050f	3538117	13568939	0.709	4.009 #
28) 2,4'-DDD	7.440	8.390	3350569	6577920	1.305	3.164 #
29) 2,4'-DDT	7.607	8.595	3430299	5570216	1.297	2.556 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 15:41
 Operator : MJB
 Sample : 0100038-DUP1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 16:47:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

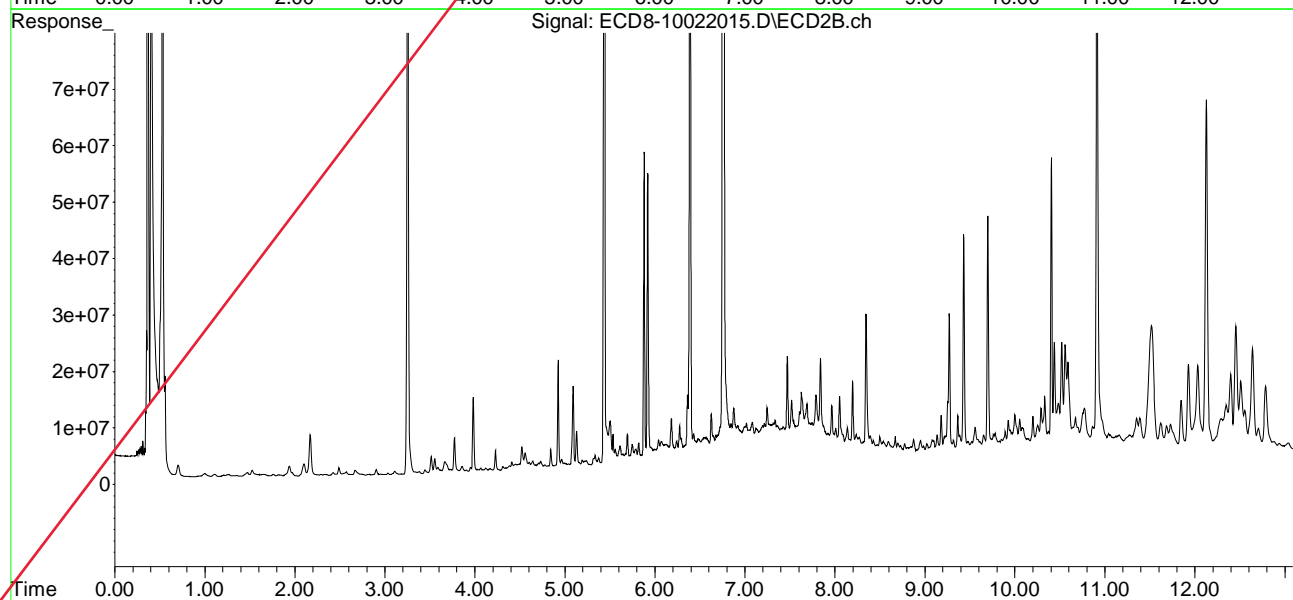
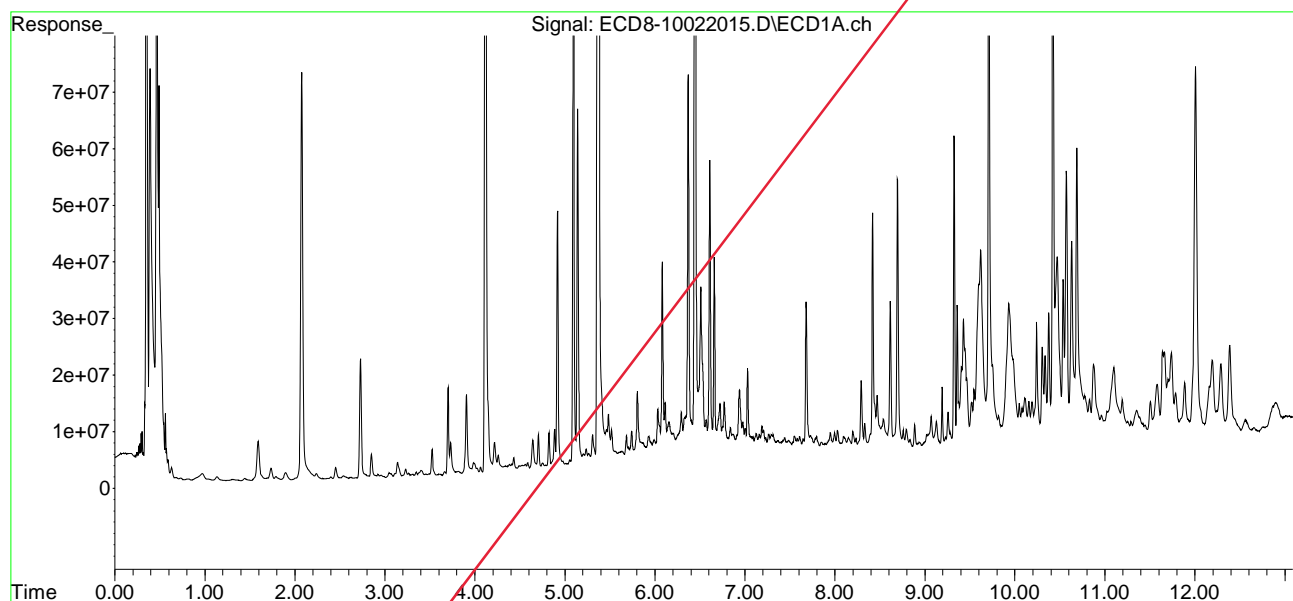
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.730	8.670f	3459124	6429705	0.668	1.649 #
31)	Mirex	8.332f	9.559	5156189	7974362	1.686	3.368 #
32)	Chlordane...	7.440	8.235	3350569	6860472	7.406	15.528 #
33)	Chlordane...	7.551f	8.346	3527394	28199981	6.411	75.760 #
34)	Chlordane...	8.070	8.985	1847509	4714495	12.738	34.522 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.313	8.427	3944305	5795220	229.294	191.659
37)	Toxaphene...	7.607	8.775	3430299	5111550	102.583	130.075 #
38)	Toxaphene...	7.893f	8.803	1949839	4488472	25.878	70.979 #
39)	Toxaphene...	8.151	8.874	2666711	5878800	35.031	57.150 #
40)	Toxaphene...	8.419f	9.022f	42242060	5094946	756.332	89.738 #
41)	Toxaphene...	8.468f	9.430	9907214	42168135	128.872	651.269 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 15:41
Operator : MJB
Sample : 0100038-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 16:47:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 16:48
 Operator : MJB
 Sample : 0J02031-CCV5
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 17:05:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.143	5.883	341.8E6	335.0E6	91.579	95.439
22) S DCBP (S)	9.324	10.404	255.8E6	225.1E6	83.966	100.254
Target Compounds						
2) a-BHC	5.675	6.483	518.7E6	523.0E6	105.328	102.104
3) g-BHC	5.955	6.799	458.5E6	464.5E6	103.651	102.094
4) b-BHC	6.029	6.863	171.5E6	175.7E6	86.389	93.194
5) Heptachlor	6.363	7.168	466.8E6	483.5E6	110.247	108.776
6) d-BHC	6.176	7.116	366.0E6	417.2E6	88.722	95.960
7) Aldrin	6.601	7.432	433.6E6	435.6E6	99.366	103.036
8) Heptachlo...	7.057	7.868	386.6E6	408.3E6	95.460	111.541
9) trans-Chl...	7.153	8.007	394.4E6	404.3E6	95.321	109.122
10) cis-Chlor...	7.250	8.115	390.2E6	385.9E6	95.155	108.775
11) Endosulfa...	7.342	8.164	397.8E6	370.2E6	105.426	111.772
12) 4,4'-DDE	7.323	8.226	354.4E6	380.7E6	86.684	94.902
13) Dieldrin	7.514	8.364	428.2E6	414.7E6	101.260	112.749
14) Endrin	7.675	8.590	356.2E6	336.6E6	117.800	116.148
15) 4,4'-DDD	7.739	8.639	292.4E6	309.8E6	87.544	93.469
16) Endosulfa...	7.829	8.737	310.3E6	314.5E6	95.970	107.208
17) 4,4'-DDT	7.935	8.864	314.2E6	323.8E6	101.693	102.591
18) Endrin Al...	8.117	8.974	264.5E6	269.8E6	80.323	94.767
19) Endosulfa...	8.415	9.165	304.8E6	308.2E6	105.247	109.670
20) Methoxychlor	8.279	9.345	140.9E6	147.6E6	92.991	99.522
21) Endrin Ke...	8.606	9.562	354.4E6	348.6E6	153.310	158.140 Q-41
23) Hexachlor...	2.890f	3.577	19925	30451	BelowCal	BelowCal
24) Hexachlor...	5.522	6.340	724410	962217	BelowCal	0.063
25) Oxychlorane	6.995	0.000	1657271	0	0.301	N.D. #
26) 2,4'-DDE	7.057	8.007	386.6E6	404.3E6	145.370	152.028
27) trans-Non...	7.250	8.069	390.2E6	1383315	103.298	0.181 #
28) 2,4'-DDD	0.000	8.364	0	414.7E6	N.D.	173.088 #
29) 2,4'-DDT	7.622	8.590	898825	336.6E6	0.205	139.128 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 16:48
 Operator : MJB
 Sample : 0J02031-CCV5
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 17:05:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

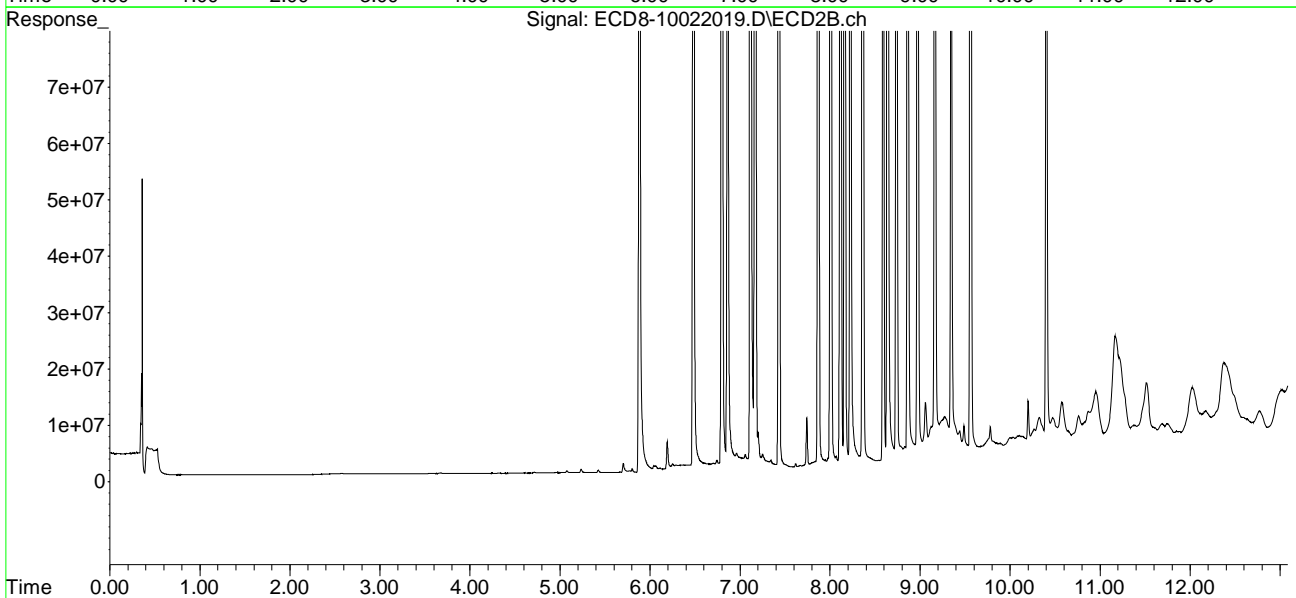
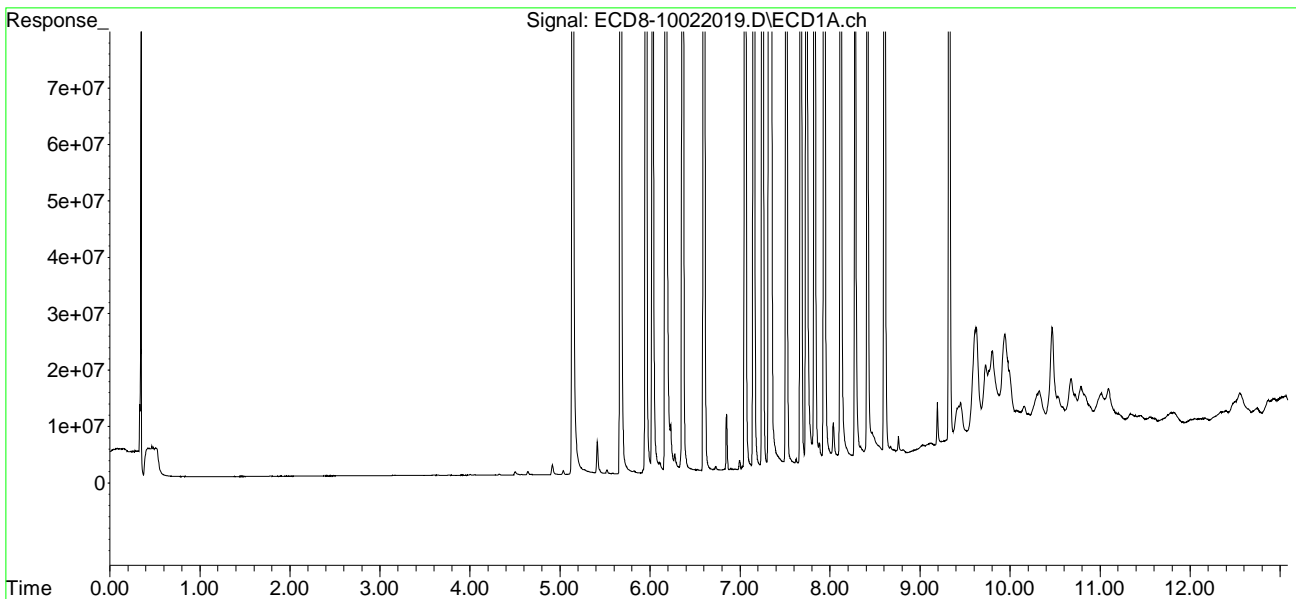
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.739f	8.639	292.4E6	309.8E6	71.098	80.469
31)	Mirex	8.340f	9.562	1845048	348.6E6	0.419	146.699 #
32)	Chlordane...	0.000	8.226	0	380.7E6	N.D.	861.616 #
33)	Chlordane...	7.514	8.364f	428.2E6	414.7E6	778.328	1114.003 #
34)	Chlordane...	8.035f	8.974f	6631959	269.8E6	45.726	2057.285 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.323	0.000	354.4E6	0	20600.809	N.D. #
37)	Toxaphene...	7.622	8.737f	898825	314.5E6	24.564	8003.756 #
38)	Toxaphene...	7.935f	8.829f	314.2E6	2137416	4170.255	33.800 #
39)	Toxaphene...	8.117f	8.864	264.5E6	323.8E6	3462.476	2712.246
40)	Toxaphene...	8.415f	9.060	304.8E6	9559156	5457.942	168.368 #
41)	Toxaphene...	8.415f	9.439	304.8E6	4087851	3965.216	63.135 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 16:48
Operator : MJB
Sample : 0J02031-CCV5
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 17:05:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 17:04
 Operator : MJB
 Sample : 0J02031-CCV6
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 17:29:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.119f	5.885	2509250	24068	0.672	0.007 #
22) S DCBP (S)	0.000	10.389	0	2050512	N.D.	0.752 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	5.956	6.781	125604	234674	0.028	0.060 #
4) b-BHC	6.033	6.874	109973	326948	0.055	0.173 #
5) Heptachlor	6.362	7.167	842749	1227863	0.199	0.288 #
6) d-BHC	6.180	7.124	55666	678657	0.013	0.211 #
7) Aldrin	6.600	7.452f	16849	271054	0.004	0.065 #
8) Heptachlo...	7.074	7.906f	223.7E6	846406	55.232	0.231 #
9) trans-Chl...	0.000	8.003	0	230.7E6	N.D.	62.274 #
10) cis-Chlor...	7.243	8.112	389.1E6	3228480	94.870	0.910 #
11) Endosulfa...	7.348	8.177	786776	577830	0.209	0.174
12) 4,4'-DDE	7.348f	8.225	786776	506668	0.192	0.166
13) Dieldrin	7.485f	8.375	6768961	206.1E6	1.601	56.039 #
14) Endrin	7.709f	8.598	412.1E6	249.1E6	136.278	89.414 #
15) 4,4'-DDD	7.709f	8.634	412.1E6	415.2E6	123.372	120.486
16) Endosulfa...	7.859f	0.000	326848	0	0.101	N.D. #
17) 4,4'-DDT	7.938	8.862	241307	491547	0.078	0.175 #
18) Endrin Al...	8.119	8.977	198634	587704	0.060	0.206 #
19) Endosulfa...	8.409	9.128f	1305960	1657169	0.451	0.649 #
20) Methoxychlor	8.296	9.364	90420	1846496	0.060	1.245 #
21) Endrin Ke...	8.619	9.550	403703	253.3E6	0.175	122.098 #
23) Hexachlor...	2.926	3.585	370.0E6	464.4E6	106.324	112.639
24) Hexachlor...	5.522	6.346	307.3E6	308.5E6	84.889	84.982
25) Oxychlorane	6.986	7.797	342.3E6	338.6E6	100.098	105.283
26) 2,4'-DDE	7.074	8.003	223.7E6	230.7E6	85.389	92.906
27) trans-Non...	7.243	8.070	389.1E6	398.9E6	102.989	110.433
28) 2,4'-DDD	7.442	8.375	187.6E6	206.1E6	82.650	94.073
29) 2,4'-DDT	7.623	8.598	234.9E6	249.1E6	97.869	107.052

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 17:04
 Operator : MJB
 Sample : 0J02031-CCV6
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 17:29:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

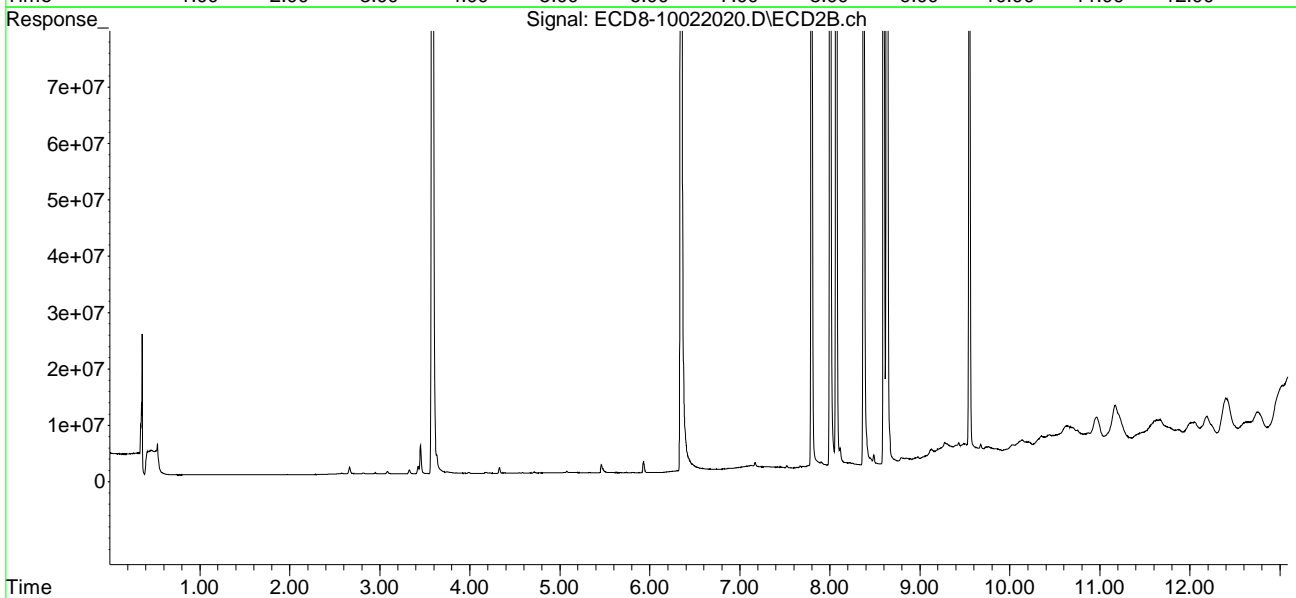
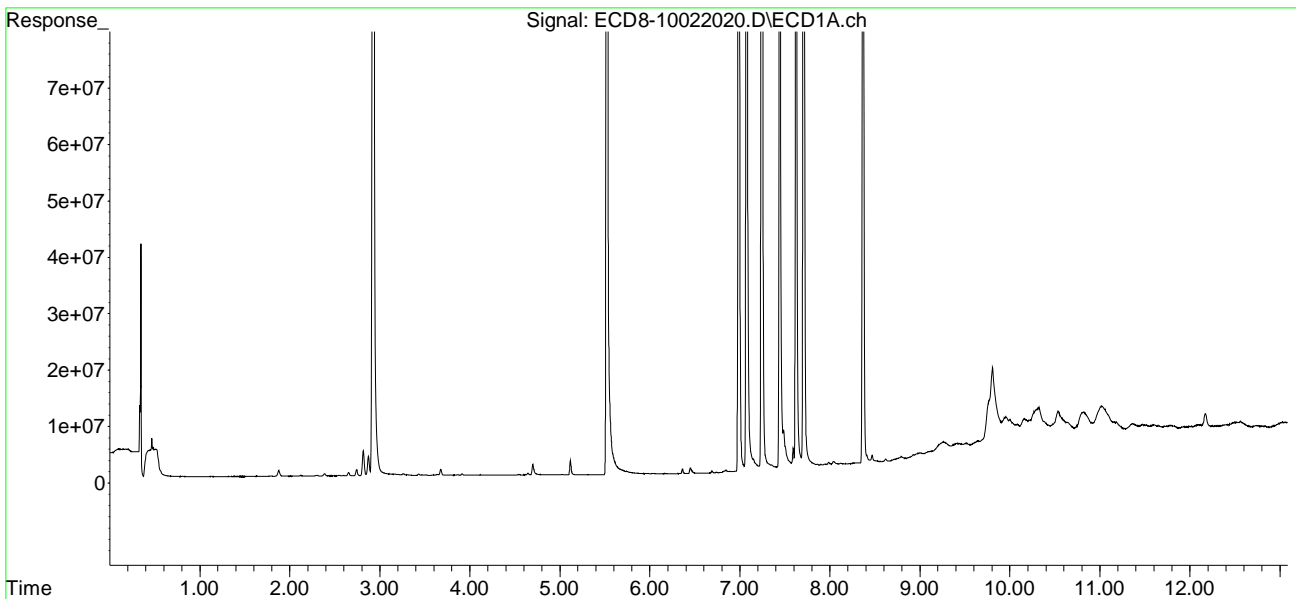
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.709	8.634	412.1E6	415.2E6	99.836	105.132
31)	Mirex	8.367	9.550	265.5E6	253.3E6	101.969	109.634
32)	Chlordane...	7.442	8.225	187.6E6	506668	414.647	1.147 #
33)	Chlordane...	7.485f	0.000	6768961	0	12.303	N.D. #
34)	Chlordane...	8.038f	8.977	604939	587704	4.171	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.348f	0.000	786776	0	45.738	N.D. #
37)	Toxaphene...	7.623	8.792f	234.9E6	709555	7702.534	18.056 #
38)	Toxaphene...	7.899	8.792	277511	709555	3.683	11.221 #
39)	Toxaphene...	8.172	8.862	63771	491547	BelowCal	BelowCal
40)	Toxaphene...	8.367	0.000	265.5E6	0	4753.807	N.D. #
41)	Toxaphene...	8.467f	9.429	1225366	2447548	15.939	37.801 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 17:04
Operator : MJB
Sample : 0J02031-CCV6
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 17:29:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 17:21
 Operator : MJB
 Sample : 0J02031-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/2/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 17:38:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.143	5.882	311.2E6	301.6E6	83.389	85.924
22) S DCBP (S)	9.323	10.403	244.8E6	228.0E6	80.374	101.447 #
Target Compounds						
2) a-BHC	5.687	6.446f	112469	138495	0.023	0.072 #
3) g-BHC	5.980f	6.795	43434	55076	0.010	0.013 #
4) b-BHC	0.000	6.858	0	110080	N.D.	0.058 #
5) Heptachlor	0.000	7.150	0	587124	N.D.	0.120 #
6) d-BHC	6.193	7.129	17557	634478	0.004	0.199 #
7) Aldrin	6.570f	7.454f	35277	237528	0.008	0.056 #
8) Heptachlo...	7.065	7.875	10529	364920	0.003	0.100 #
9) trans-Chl...	7.147	0.000	153466	0	0.037	N.D. #
10) cis-Chlor...	7.251	8.104	17138	26056	0.004	0.007 #
11) Endosulfa...	7.342	8.162	10783	29961	0.003	0.009 #
12) 4,4'-DDE	7.328	8.231	8007	148660	0.002	0.062 #
13) Dieldrin	7.513	0.000	84757	0	0.020	N.D. #
14) Endrin	7.674	8.551f	40995	8982	0.014	BelowCal #
15) 4,4'-DDD	7.747	0.000	71158	0	0.021	N.D. #
16) Endosulfa...	7.825	8.740	98474	242795	0.030	0.083 #
17) 4,4'-DDT	7.945	8.867	26190	736682	0.008	0.271 #
18) Endrin Al...	8.117	8.969	116433	799083	0.035	0.281 #
19) Endosulfa...	8.417	9.125f	52582	2153217	0.018	0.857 #
20) Methoxychlor	8.279	9.352	111598	2773933	0.074	1.871 #
21) Endrin Ke...	8.620	0.000	366146	0	0.158	N.D. #
23) Hexachlor...	0.000	3.608f	0	35612	N.D.	BelowCal
24) Hexachlor...	5.522	6.344	732687	232970	BelowCal	BelowCal
25) Oxychlorane	6.984	0.000	9946	0	104477.348	N.D. #
26) 2,4'-DDE	7.077	0.000	15846	0	BelowCal	N.D.
27) trans-Non...	7.241	8.072	16422	52085	BelowCal	BelowCal
28) 2,4'-DDD	7.448	0.000	48419	0	BelowCal	N.D.
29) 2,4'-DDT	7.629	0.000	52745	0	BelowCal	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
 Data File : ECD8-10022021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 2 Oct 2020 17:21
 Operator : MJB
 Sample : 0J02031-CCB2
 Misc : A20I313
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 02 17:38:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

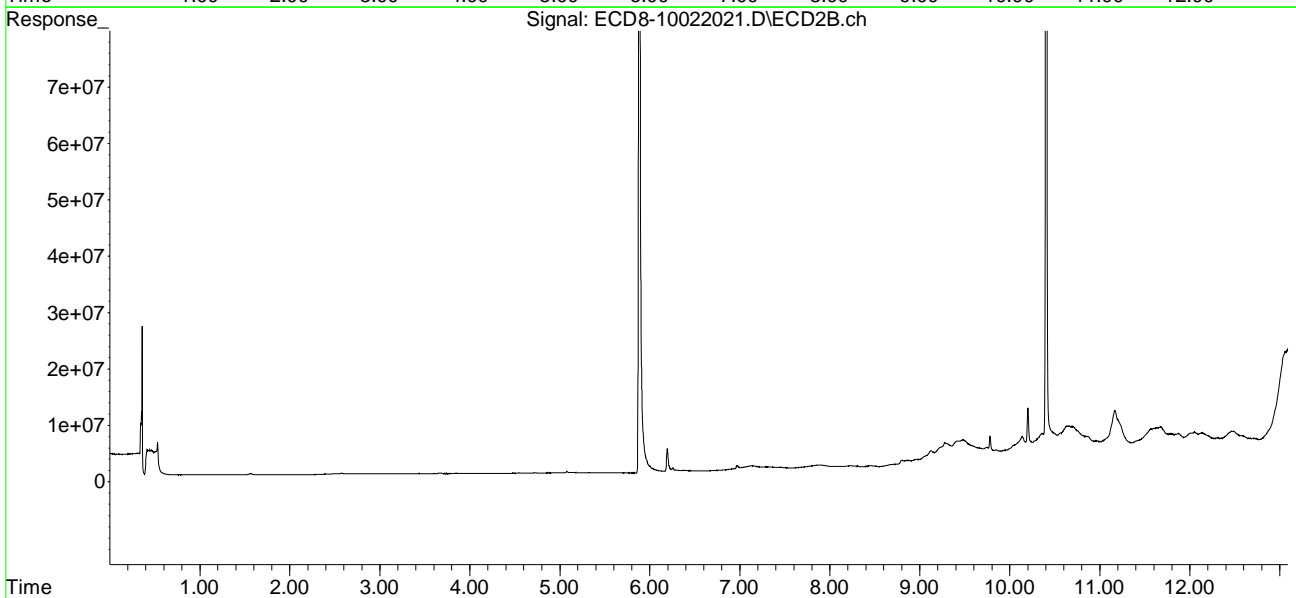
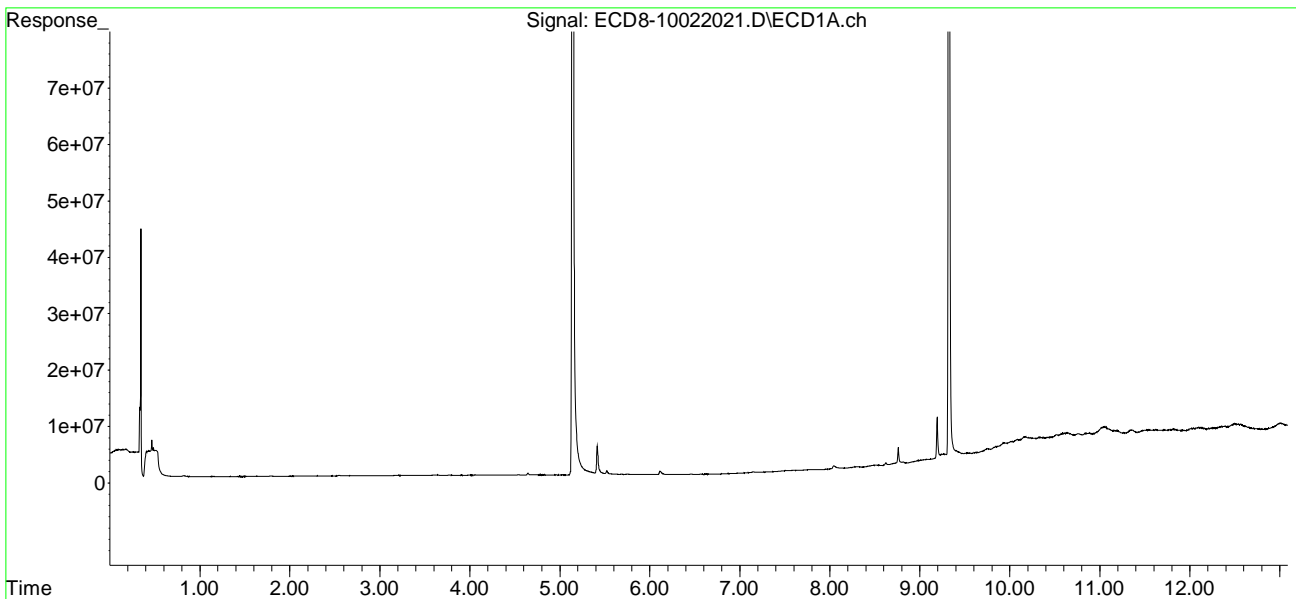
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.709	0.000	47538	0	BelowCal	N.D.
31)	Mirex	8.372	0.000	10145	0	14904.450	N.D. #
32)	Chlordane...	7.448	8.231	48419	148660	0.107	0.336 #
33)	Chlordane...	7.522	8.300f	86034	97113	0.156	0.261 #
34)	Chlordane...	8.042f	8.969f	550503	799083	3.796	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.318	8.460f	11543	173147	0.671	5.726 #
37)	Toxaphene...	7.613	8.740f	57647	242795	125253.674	6.178 #
38)	Toxaphene...	7.926	8.799	10645	860479	0.141	13.607 #
39)	Toxaphene...	8.178f	8.873	10747	739676	BelowCal	0.988
40)	Toxaphene...	8.388	0.000	9069	0	0.162	N.D. #
41)	Toxaphene...	8.467f	9.420	133079	3557115	1.731	54.938 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J02031\
Data File : ECD8-10022021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Oct 2020 17:21
Operator : MJB
Sample : 0J02031-CCB2
Misc : A20I313
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 02 17:38:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717RTE.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Calibration Data**

Sequence 0G17041 (Cal ID A0G2005) DualECD8



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0G17041**

Instrument: **DUALECD8**

Date: **07/17/20 16:38**

Calibration: **A0G2005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0G17041-BKD1	Water	QC	QC				A20E203
2	0G17041-ICB1	Water	QC	QC				A20F379
3	0G17041-CAL1	Water	QC	QC				A20G268
4	0G17041-CAL2	Water	QC	QC				A20G269
5	0G17041-CAL3	Water	QC	QC				A20C179
6	0G17041-CAL4	Water	QC	QC				A20C180
7	0G17041-CAL5	Water	QC	QC				A20C181
8	0G17041-CAL6	Water	QC	QC				A20C182
9	0G17041-CAL7	Water	QC	QC				A20E232
10	0G17041-CAL8	Water	QC	QC				A20E233
11	0G17041-CAL9	Water	QC	QC				A20C177
12	0G17041-IBL1	Water	QC	QC				
13	0G17041-ICV1	Water	QC	QC				A20C164
14	0G17041-CALA	Water	QC	QC				A20G270
15	0G17041-CALB	Water	QC	QC				A20C353
16	0G17041-CALC	Water	QC	QC				A20C354
17	0G17041-CALD	Water	QC	QC				A20C355
18	0G17041-CALE	Water	QC	QC				A20C356
19	0G17041-CALF	Water	QC	QC				A20C357
20	0G17041-CALG	Water	QC	QC				A20C358
21	0G17041-CALH	Water	QC	QC				A20C359
22	0G17041-CALI	Water	QC	QC				A20C352
23	0G17041-IBL2	Water	QC	QC				
24	0G17041-ICV2	Water	QC	QC				A20C360
25	0G17041-CALJ	Water	QC	QC				A20G271
26	0G17041-CALK	Water	QC	QC				A20F057
27	0G17041-CALL	Water	QC	QC				A20F058
28	0G17041-CALM	Water	QC	QC				A20F059
29	0G17041-CALN	Water	QC	QC				A20F060
30	0G17041-CALO	Water	QC	QC				A20F061
31	0G17041-CALP	Water	QC	QC				A20F056
32	0G17041-IBL3	Water	QC	QC				
33	0G17041-ICV3	Water	QC	QC				A20F062
34	0G17041-CALQ	Water	QC	QC				A20G272
35	0G17041-CALR	Water	QC	QC				A20F064
36	0G17041-CALS	Water	QC	QC				A20F065
37	0G17041-CALT	Water	QC	QC				A20F066
38	0G17041-CALU	Water	QC	QC				A20D430
39	0G17041-CALV	Water	QC	QC				A20D431
40	0G17041-CALW	Water	QC	QC				A20F063
41	0G17041-IBL4	Water	QC	QC				
42	0G17041-ICV4	Water	QC	QC				A20F067

Data Entered By/Date: MJB 7/21/20
 Data Reviewed By/Date: MKZ 7/22/2020

Comments: **ICAL**

7/21/2020 11:23:58AM

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Calibration Status Report DUALECD8

A0G2005

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200717.M
 Title : Instrument: DualECD8
 Last Update : Mon Jul 20 12:56:10 2020
 Response Via : Initial Calibration

MJB 7/20/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172037.D
2	2	50	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172038.D
3	3	100	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172039.D
4	4	200	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172040.D
5	5	500	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172041.D
6	6	1000	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172042.D
7	7	2000	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172043.D
8	8	-1	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172024.D
9	9	-1	0	C:\msdchem\1\data\2020-07\0G17041\ECD8-07172025.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jul 20 12:55 2020	Jul 20 12:44 2020	18 Jul 2020 2:57
2	2	Jul 20 12:55 2020	Jul 20 12:44 2020	18 Jul 2020 3:13
3	3	Jul 20 12:55 2020	Jul 20 12:45 2020	18 Jul 2020 3:30
4	4	Jul 20 12:55 2020	Jul 20 12:45 2020	18 Jul 2020 3:46
5	5	Jul 20 12:55 2020	Jul 20 12:43 2020	18 Jul 2020 4:03
6	6	Jul 20 12:56 2020	Jul 20 12:46 2020	18 Jul 2020 4:19
7	7	Jul 20 12:56 2020	Jul 20 12:47 2020	18 Jul 2020 4:36
8	8	Jul 20 12:53 2020	Jul 20 12:34 2020	17 Jul 2020 23:22
9	9	Jul 20 12:53 2020	Jul 20 12:35 2020	17 Jul 2020 23:38

ECD8_QUANTPEST_200717.M Mon Jul 20 17:54:13 2020

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
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Calibration Files

1 =ECD8-07172037.D 2 =ECD8-07172038.D 3 =ECD8-07172039.D 4 =ECD8-07172040.D
 5 =ECD8-07172041.D 6 =ECD8-07172042.D 7 =ECD8-07172043.D 8 =ECD8-07172024.D
 9 =ECD8-07172025.D

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD	
1) S TCMX (S)	4.120	3.750	3.460	3.786	3.766	3.568	3.672	3.724	3.746	3.732	E6	4.83
2) a-BHC	4.901	4.624	4.338	4.985	4.898	4.932	5.254	5.102	5.283	4.924	E6	6.04
3) g-BHC	4.601	4.281	4.043	4.485	4.337	4.354	4.547	4.520	4.640	4.423	E6	4.26
4) b-BHC	2.228	2.133	1.947	1.937	1.949	1.910	1.892	1.958	1.914	1.985	E6	5.79
5) Heptachlor	4.444	4.136	3.681	4.319	4.163	4.244	4.430	4.331	4.355	4.234	E6	5.51
6) d-BHC	4.117	3.819	3.770	4.157	4.154	4.129	4.316	4.286	4.377	4.125	E6	5.06
7) Aldrin	4.575	4.287	4.064	4.394	4.421	4.245	4.442	4.420	4.426	4.364	E6	3.36
8) Heptachlor Exp...	4.456	4.194	3.894	4.072	3.997	3.865	4.101	3.920	3.945	4.049	E6	4.60
9) trans-Chlordane	4.440	4.204	3.914	4.160	4.075	4.012	4.214	4.088	4.132	4.138	E6	3.57
10) cis-Chlordane	4.879	4.350	3.913	4.006	3.953	3.853	4.048	3.918	3.989	4.101	E6	7.92
11) Endosulfan I	4.074	3.845	3.653	3.746	3.753	3.553	3.814	3.732	3.787	3.773	E6	3.78
12) 4,4'-DDE	4.130	3.927	3.662	4.125	4.095	4.065	4.222	4.190	4.378	4.088	E6	4.92
13) Dieldrin	4.477	4.077	3.959	4.293	4.163	4.073	4.457	4.235	4.327	4.229	E6	4.20
14) Endrin	3.116	3.010	2.626	3.053	3.088	2.988	3.084	3.120	3.129	3.024	E6	5.20
15) 4,4'-DDD	3.463	3.227	3.084	3.271	3.357	3.259	3.402	3.426	3.570	3.340	E6	4.36
16) Endosulfan II	3.444	3.220	3.009	3.190	3.218	3.127	3.319	3.250	3.326	3.234	E6	3.86
17) 4,4'-DDT	3.313	2.993	2.457	2.952	3.094	3.089	3.357	3.175	3.380	3.090	E6	9.17
18) Endrin Aldehyde	3.922	3.635	3.446	3.223	3.174	2.979	3.145	2.971	3.139	3.293	E6	9.62
19) Endosulfan Sul...	3.039	2.785	2.586	2.807	2.975	2.854	2.997	2.953	3.072	2.896	E6	5.31
20) Methoxychlor	1.738	1.581	1.271	1.513	1.408	1.493	1.549	1.512	1.575	1.516	E6	8.41
21) Endrin Ketone	2.729	2.405	1.967	2.090	2.113	2.240	2.441	2.335	2.482	2.311	E6	10.17
22) S DCBP (S)	4.363	3.742	3.352	3.254	3.143	2.944	3.008	3.028	3.089	3.325	E6	13.78
23) Hexachlorobuta...	4.885	4.669	3.800		3.533	3.456	3.670	2.993	3.686	3.837	E6	16.47
24) Hexachlorobenzene	5.040	4.692	3.849		3.557	3.529	3.760	3.468	3.759	3.957	E6	14.76
25) Oxychlorane	4.559	4.346	3.620		3.412	3.392	3.613	3.219	3.477	3.705	E6	13.02
26) 2,4'-DDE	3.395	3.231	2.687		2.505	2.612	2.720	2.526	2.720	2.799	E6	11.79
27) trans-Nonachlor	5.417	4.867	4.073		3.799	3.737	3.991	3.560	3.856	4.162	E6	15.41

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28)	2,4'-DDD	3.012	2.904	2.374		2.153	2.229	2.427	2.187	2.325	2.451	E6	13.36
29)	2,4'-DDT	3.069	3.010	2.399		2.195	2.376	2.601	2.247	2.506	2.550	E6	12.89
30)	cis-Nonachlor	5.421	5.147	4.282		4.077	4.022	4.346	3.900	4.252	4.431	E6	12.45
31)	Mirex	3.985	3.681	2.897		2.511	2.643	2.801	2.471	2.613	2.950	E6	19.27
32)	Chlordane (1)	5.116	4.387	4.533	4.449	4.334	4.388	4.461			4.524	E5	5.94
33)	Chlordane (2)	6.021	5.457	5.452	5.358	5.252	5.492	5.482			5.502	E5	4.44
34)	Chlordane (3)	1.709	1.384	1.398	1.427	1.382	1.454	1.398			1.450	E5	8.07
35)	Chlordane - AVE										0.000		-1.00
36)	Toxaphene (1)	1.682	1.712	1.713	1.715	1.759	1.709	1.752			1.720	E4	1.56
37)	Toxaphene (2)	4.252	3.476	3.397	3.229	3.275	3.184	3.224			3.434	E4	10.93
38)	Toxaphene (3)	8.083	7.423	7.344	7.238	7.471	7.504	7.680			7.535	E4	3.69
39)	Toxaphene (4)	9.977	7.400	6.897	6.792	7.034	6.960	7.209			7.467	E4	15.07
40)	Toxaphene (5)	5.706	5.390	5.573	5.370	5.625	5.536	5.896			5.585	E4	3.26
41)	Toxaphene (6)	8.698	7.456	7.362	7.370	7.497	7.525	7.906			7.688	E4	6.26
42)	Toxaphene - AVE										0.000		-1.00

Signal #2 Calibration Files

1	=ECD8-07172037.D	2	=ECD8-07172038.D	3	=ECD8-07172039.D
4	=ECD8-07172040.D	5	=ECD8-07172041.D	6	=ECD8-07172042.D

	Compound	1	2	3	4	5	6	Avg	%RSD				
44)	S TCMX (S) #2	3.767	3.424	3.152	3.274	3.262	3.394	3.671	3.651	3.999	3.510	E6	7.91
45)	a-BHC #2	4.283	4.050	3.824	4.383	4.471	4.650	5.264	5.250	5.601	4.642	E6	13.02
46)	g-BHC #2	4.040	3.729	3.485	3.932	3.945	4.123	4.548	4.515	5.121	4.160	E6	11.89
47)	b-BHC #2	2.200	2.042	1.793	1.779	1.736	1.722	1.866	1.862	1.965	1.885	E6	8.38
48)	Heptachlor #2	4.226	3.872	3.374	3.873	3.827	4.061	4.550	4.452	4.831	4.118	E6	10.79
49)	d-BHC #2	3.732	3.500	3.340	3.797	3.872	3.996	4.457	4.410	4.832	3.993	E6	12.15
50)	Aldrin #2	3.886	3.523	3.347	3.686	3.748	3.890	4.162	4.314	4.649	3.912	E6	10.37
51)	Heptachlor Exp...	4.077	3.538	3.186	3.433	3.372	3.421	3.775	3.944	4.203	3.661	E6	9.63
52)	trans-Chlordan...	3.998	3.563	3.362	3.389	3.391	3.443	3.920	4.031	4.251	3.705	E6	9.25
53)	cis-Chlordane #2	3.781	3.440	3.180	3.345	3.360	3.360	3.685	3.802	3.980	3.548	E6	7.61
54)	Endosulfan I #2	3.395	3.206	3.005	3.150	3.054	3.123	3.441	3.595	3.842	3.312	E6	8.40
55)	4,4'-DDE #2	3.405	3.336	3.097	3.407	3.504	3.595	3.988	4.193	4.518	3.671	E6	12.58
56)	Dieldrin #2	3.648	3.411	3.285	3.395	3.474	3.575	4.028	3.965	4.318	3.678	E6	9.48
57)	Endrin #2	2.673	2.507	2.068	2.445	2.424	2.637	2.913	2.853	3.155	2.631	E6	12.13

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
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58)	4,4'-DDD #2	2.928	2.704	2.724	2.782	2.875	2.943	3.405	3.510	3.688	3.062	E6	12.09
59)	Endosulfan II #2	3.118	2.803	2.690	2.712	2.716	2.727	3.129	3.131	3.378	2.934	E6	8.73
60)	4,4'-DDT #2	2.788	2.566	2.160	2.535	2.591	2.885	3.186	3.247	3.566	2.836	E6	15.31
61)	Endrin Aldehyd...	3.265	3.024	2.902	2.617	2.541	2.544	2.788	2.860	3.081	2.847	E6	8.84
62)	Endosulfan Sul...	2.676	2.449	2.269	2.392	2.388	2.479	2.792	2.879	3.063	2.598	E6	10.27
63)	Methoxychlor #2	1.665	1.501	1.250	1.418	1.338	1.404	1.566	1.554	1.650	1.483	E6	9.51
64)	Endrin Ketone #2	2.043	1.780	1.622	1.604	1.702	1.753	1.951	2.073	2.282	1.868	E6	12.41
65) S	DCBP (S) #2	3.044	2.572	2.385	2.181	2.078	2.005	2.208	2.265	2.426	2.351	E6	13.34
66)	Hexachlorobuta...	5.222	4.887	4.046		3.672	3.850	4.220	3.523	4.650	4.259	E6	14.24
67)	Hexachlorobenz...	4.712	4.320	3.483		3.214	3.461	3.766	3.543	4.093	3.824	E6	13.30
68)	Oxychlorane #2	4.143	3.817	3.083		2.836	3.014	3.247	3.019	3.561	3.340	E6	13.67
69)	2,4'-DDE #2	3.062	2.814	2.311		2.138	2.283	2.560	2.491	2.769	2.553	E6	12.22
70)	trans-Nonachlo...	4.699	4.255	3.401		3.145	3.295	3.626	3.466	3.964	3.731	E6	14.29
71)	2,4'-DDD #2	2.709	2.522	2.067		1.897	2.019	2.207	2.181	2.452	2.257	E6	12.34
72)	2,4'-DDT #2	2.775	2.602	2.062		1.924	2.107	2.479	2.177	2.589	2.340	E6	13.23
73)	cis-Nonachlor #2	4.675	4.492	3.581		3.370	3.611	4.106	3.884	4.283	4.000	E6	11.68
74)	Mirex #2	3.714	3.253	2.549		2.063	2.119	2.368	2.149	2.519	2.592	E6	22.85
75)	Chlordane (1) #2	4.530	4.047	4.107	4.238	4.358	4.693	4.952			4.418	E5	7.41
76)	Chlordane (2) #2	4.030	3.372	3.451	3.529	3.631	3.939	4.105			3.722	E5	7.99
77)	Chlordane (3) #2	2.118	1.195	1.178	1.171	1.147	1.239	1.277			1.332	E5	26.25
78)	Chlordane - AV...										0.000		-1.00
79)	Toxaphene (1) #2	3.355	3.166	3.004	2.908	2.841	2.920	2.971			3.024	E4	5.90
80)	Toxaphene (2) #2	4.139	3.949	3.932	3.722	3.773	3.851	4.142			3.930	E4	4.20
81)	Toxaphene (3) #2	7.235	6.185	6.129	5.886	6.017	6.260	6.553			6.324	E4	7.16
82)	Toxaphene (4) #2	1.563	1.032	0.969	0.964	1.003	1.019	1.115			1.095	E5	19.40
83)	Toxaphene (5) #2	6.459	5.569	5.438	5.254	5.436	5.567	6.020			5.678	E4	7.36
84)	Toxaphene (6) #2	7.350	6.290	6.294	5.983	6.146	6.310	6.950			6.475	E4	7.55
85)	Toxaphene - AV...										0.000		-1.00

 (#) = Out of Range

Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200717.M
 Title : Instrument: DualECD8
 Last Update : Mon Jul 20 12:56:10 2020
 Response Via : Initial Calibration

MJB 7/20/20

Total Cpnds : 85

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.391	1.000	A	H	R
2	a-BHC	5.932	1.000	A	H	R
3	g-BHC	6.217	1.000	A	H	R
4	b-BHC	6.295	1.000	A	H	R
5	Heptachlor	6.625	1.000	A	H	R
6	d-BHC	6.445	1.000	A	H	R
7	Aldrin	6.866	1.000	A	H	R
8	Heptachlor Expoxide	7.327	1.000	A	H	R
9	trans-Chlordane	7.422	1.000	A	H	R
10	cis-Chlordane	7.518	1.000	A	H	R
11	Endosulfan I	7.616	1.000	A	H	R
12	4,4'-DDE	7.581	1.000	A	H	R
13	Dieldrin	7.787	1.000	A	H	R
14	Endrin	7.952	1.000	A	H	R
15	4,4'-DDD	8.002	1.000	A	H	R
16	Endosulfan II	8.111	1.000	A	H	R
17	4,4'-DDT	8.199	1.000	A	H	R
18	Endrin Aldehyde	8.400	1.000	A	H	R
19	Endosulfan Sulfate	8.702	1.000	A	H	R
20	Methoxychlor	8.541	1.000	A	H	R
21	Endrin Ketone	8.896	1.000	A	H	R
22	S DCBP (S)	9.594	1.000	Q	H	R
23	Hexachlorobutadiene	3.180	1.000	Q	H	R
24	Hexachlorobenzene	5.768	1.000	Q	H	R
25	Oxychlorane	7.248	1.000	Q	H	R
26	2,4'-DDE	7.325	1.000	Q	H	R
27	trans-Nonachlor	7.504	1.000	Q	H	R
28	2,4'-DDD	7.697	1.000	Q	H	R
29	2,4'-DDT	7.880	1.000	Q	H	R
30	cis-Nonachlor	7.974	1.000	Q	H	R
31	Mirex	8.641	1.000	Q	H	R
32	Chlordane (1)	7.416	1.000	A	H	R
33	Chlordane (2)	7.509	1.000	A	H	R
34	Chlordane (3)	8.056	1.000	A	H	R
35	Chlordane - AVE	0.000	1.000	A	H	R
36	Toxaphene (1)	7.489	1.000	A	H	R
37	Toxaphene (2)	7.781	1.000	Q	H	R
38	Toxaphene (3)	8.093	1.000	A	H	R
39	Toxaphene (4)	8.332	1.000	Q	H	R
40	Toxaphene (5)	8.561	1.000	A	H	R
41	Toxaphene (6)	8.629	1.000	A	H	R
42	Toxaphene - AVE	0.000	1.000	A	H	R
43	Signal #2	0.000	1.000	A	H	R
44	S TCMX (S) #2	6.079	1.000	A	H	R
45	a-BHC #2	6.684	1.000	Q	H	R
46	g-BHC #2	7.002	1.000	Q	H	R
47	b-BHC #2	7.065	1.000	A	H	R
48	Heptachlor #2	7.378	1.000	Q	H	R
49	d-BHC #2	7.321	1.000	Q	H	R
50	Aldrin #2	7.644	1.000	Q	H	R
51	Heptachlor Expoxide #2	8.082	1.000	A	H	R
52	trans-Chlordane #2	8.221	1.000	A	H	R
53	cis-Chlordane #2	8.328	1.000	A	H	R
54	Endosulfan I #2	8.380	1.000	A	H	R
55	4,4'-DDE #2	8.430	1.000	Q	H	R
56	Dieldrin #2	8.581	1.000	A	H	R

57	Endrin #2	8.809	1.000	Q	H	R
58	4,4'-DDD #2	8.847	1.000	Q	H	R
59	Endosulfan II #2	8.957	1.000	A	H	R
60	4,4'-DDT #2	9.075	1.000	Q	H	R
61	Endrin Aldehyde #2	9.193	1.000	A	H	R
62	Endosulfan Sulfate #2	9.383	1.000	Q	H	R
63	Methoxychlor #2	9.555	1.000	A	H	R
64	Endrin Ketone #2	9.787	1.000	Q	H	R
65	S DCBP (S) #2	10.658	1.000	Q	H	R
66	Hexachlorobutadiene #2	3.774	1.000	Q	H	R
67	Hexachlorobenzene #2	6.542	1.000	Q	H	R
68	Oxychlorane #2	8.005	1.000	Q	H	R
69	2,4'-DDE #2	8.207	1.000	Q	H	R
70	trans-Nonachlor #2	8.280	1.000	Q	H	R
71	2,4'-DDD #2	8.580	1.000	Q	H	R
72	2,4'-DDT #2	8.806	1.000	Q	H	R
73	cis-Nonachlor #2	8.846	1.000	Q	H	R
74	Mirex #2	9.775	1.000	Q	H	R
75	Chlordane (1) #2	8.215	1.000	A	H	R
76	Chlordane (2) #2	8.322	1.000	A	H	R
77	Chlordane (3) #2	8.986	1.000	Q	H	R
78	Chlordane - AVE #2	0.000	1.000	A	H	R
79	Toxaphene (1) #2	8.550	1.000	A	H	R
80	Toxaphene (2) #2	8.898	1.000	A	H	R
81	Toxaphene (3) #2	8.934	1.000	A	H	R
82	Toxaphene (4) #2	9.001	1.000	Q	H	R
83	Toxaphene (5) #2	9.177	1.000	A	H	R
84	Toxaphene (6) #2	9.560	1.000	A	H	R
85	Toxaphene - AVE #2	0.000	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

ECD8_QUANTPEST_200717.M Mon Jul 20 17:56:10 2020

Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_200717.M
 Title : Instrument: DualECD8
 Last Update : Mon Jul 20 12:56:10 2020
 Response Via : Initial Calibration

MJB 7/20/20

Calibration Files

1 =ECD8-07172037 2 =ECD8-07172038 3 =ECD8-07172039 4 =ECD8-07172040 5 =ECD8-07172041
 6 =ECD8-07172042 7 =ECD8-07172043 8 =ECD8-07172024 9 =ECD8-07172025

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.7324 e6	-----	0.0483
2)	a-BHC	Avg	-----	4.9242 e6	-----	0.0604
3)	g-BHC	Avg	-----	4.4232 e6	-----	0.0426
4)	b-BHC	Avg	-----	1.9854 e6	-----	0.0579
5)	Heptachlor	Avg	-----	4.2338 e6	-----	0.0551
6)	d-BHC	Avg	-----	4.1250 e6	-----	0.0506
7)	Aldrin	Avg	-----	4.3638 e6	-----	0.0336
8)	Heptachlor Expoxide	Avg	-----	4.0495 e6	-----	0.0460
9)	trans-Chlordane	Avg	-----	4.1376 e6	-----	0.0357
10)	cis-Chlordane	Avg	-----	4.1011 e6	-----	0.0792
11)	Endosulfan I	Avg	-----	3.7730 e6	-----	0.0378
12)	4,4'-DDE	Avg	-----	4.0881 e6	-----	0.0492
13)	Dieldrin	Avg	-----	4.2291 e6	-----	0.0420
14)	Endrin	Avg	-----	3.0236 e6	-----	0.0520
15)	4,4'-DDD	Avg	-----	3.3400 e6	-----	0.0436
16)	Endosulfan II	Avg	-----	3.2337 e6	-----	0.0386
17)	4,4'-DDT	Avg	-----	3.0899 e6	-----	0.0917
18)	Endrin Aldehyde	Avg	-----	3.2928 e6	-----	0.0962
19)	Endosulfan Sulfate	Avg	-----	2.8964 e6	-----	0.0531
20)	Methoxychlor	Avg	-----	1.5155 e6	-----	0.0841
21)	Endrin Ketone	Avg	-----	2.3115 e6	-----	0.1017
22) S	DCBP (S)	Quad	6.8089 e5	3.0246 e6	1.6151 e2	0.9995
23)	Hexachlorobutadiene	Quad	8.0215 e5	3.4644 e6	7.7982 e1	0.9922
24)	Hexachlorobenzene	Quad	8.1604 e5	3.5434 e6	7.9061 e2	0.9971
25)	Oxychlorane	Quad	6.3029 e5	3.4167 e6	-3.2702 e1	0.9968
26)	2,4'-DDE	Quad	4.6006 e5	2.5540 e6	7.0162 e2	0.9973
27)	trans-Nonachlor	Quad	8.7741 e5	3.7505 e6	1.8202 e2	0.9977
28)	2,4'-DDD	Quad	4.3644 e5	2.2319 e6	3.9265 e2	0.9956
29)	2,4'-DDT	Quad	4.2453 e5	2.3156 e6	8.1948 e2	0.9932
30)	cis-Nonachlor	Quad	7.4662 e5	4.0579 e6	6.2041 e2	0.9969
31)	Mirex	Quad	7.4961 e5	2.6143 e6	-1.7541 e2	0.9944
32)	Chlordane (1)	Avg	-----	4.5239 e5	-----	0.0594
33)	Chlordane (2)	Avg	-----	5.5020 e5	-----	0.0444
34)	Chlordane (3)	Avg	-----	1.4504 e5	-----	0.0807
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	1.7202 e4	-----	0.0156
37)	Toxaphene (2)	Quad	1.0113 e5	3.2480 e4	-0.2593	0.9998
38)	Toxaphene (3)	Avg	-----	7.5349 e4	-----	0.0369
39)	Toxaphene (4)	Quad	3.3199 e5	6.6549 e4	2.8132	0.9998
40)	Toxaphene (5)	Avg	-----	5.5851 e4	-----	0.0326
41)	Toxaphene (6)	Avg	-----	7.6877 e4	-----	0.0626
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

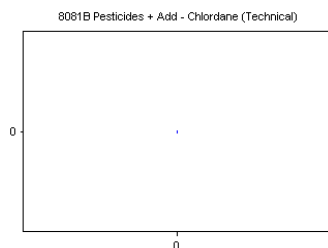
Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.5103 e6	-----	0.0791
2)	a-BHC	Quad	-1.7955 e5	4.4163 e6	6.9265 e3	0.9954
3)	g-BHC	Quad	4.1299 e3	3.8646 e6	6.7077 e3	0.9970
4)	b-BHC	Avg	-----	1.8852 e6	-----	0.0838
5)	Heptachlor	Quad	1.2912 e5	3.8069 e6	5.8506 e3	0.9952
6)	d-BHC	Quad	-1.2221 e5	3.7921 e6	5.8004 e3	0.9964
7)	Aldrin	Quad	3.3523 e4	3.6536 e6	5.5691 e3	0.9975

8)	Heptachlor Expoxide	Avg	-----	3.6608 e6	-----	0.0963
9)	trans-Chlordane	Avg	-----	3.7054 e6	-----	0.0925
10)	cis-Chlordane	Avg	-----	3.5480 e6	-----	0.0761
11)	Endosulfan I	Avg	-----	3.3124 e6	-----	0.0840
12)	4,4'-DDE	Quad	-6.3398 e4	3.4313 e6	6.1175 e3	0.9976
13)	Dieldrin	Avg	-----	3.6778 e6	-----	0.0948
14)	Endrin	Quad	8.3179 e4	2.4121 e6	4.1760 e3	0.9939
15)	4,4'-DDD	Quad	-2.0889 e4	2.8572 e6	4.8911 e3	0.9968
16)	Endosulfan II	Avg	-----	2.9338 e6	-----	0.0873
17)	4,4'-DDT	Quad	4.0773 e4	2.5679 e6	5.7330 e3	0.9928
18)	Endrin Aldehyde	Avg	-----	2.8468 e6	-----	0.0884
19)	Endosulfan Sulfate	Quad	1.1393 e5	2.3771 e6	3.9384 e3	0.9975
20)	Methoxychlor	Avg	-----	1.4828 e6	-----	0.0951
21)	Endrin Ketone	Quad	1.7858 e5	1.6334 e6	3.6020 e3	0.9976
22) S	DCBP (S)	Quad	5.0956 e5	2.0481 e6	1.9204 e3	0.9991
23)	Hexachlorobutadiene	Quad	8.4447 e5	3.6853 e6	3.8182 e3	0.9927
24)	Hexachlorobenzene	Quad	7.5592 e5	3.2832 e6	3.9841 e3	0.9964
25)	Oxychlordane	Quad	6.8203 e5	2.8699 e6	3.2289 e3	0.9964
26)	2,4'-DDE	Quad	4.5277 e5	2.1993 e6	3.0083 e3	0.9968
27)	trans-Nonachlor	Quad	8.0839 e5	3.1674 e6	3.9640 e3	0.9968
28)	2,4'-DDD	Quad	4.1246 e5	1.9402 e6	2.6178 e3	0.9973
29)	2,4'-DDT	Quad	4.0278 e5	2.0141 e6	2.8910 e3	0.9926
30)	cis-Nonachlor	Quad	6.3258 e5	3.5090 e6	4.1341 e3	0.9949
31)	Mirex	Quad	8.7141 e5	2.1028 e6	1.8222 e3	0.9939
32)	Chlordane (1)	Avg	-----	4.4181 e5	-----	0.0741
33)	Chlordane (2)	Avg	-----	3.7223 e5	-----	0.0799
34)	Chlordane (3)	Quad	1.0452 e6	1.0587 e5	1.2032 e1	0.9984
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	3.0237 e4	-----	0.0590
37)	Toxaphene (2)	Avg	-----	3.9297 e4	-----	0.0420
38)	Toxaphene (3)	Avg	-----	6.3237 e4	-----	0.0716
39)	Toxaphene (4)	Quad	6.4989 e5	9.0900 e4	1.0417 e1	0.9997
40)	Toxaphene (5)	Avg	-----	5.6776 e4	-----	0.0736
41)	Toxaphene (6)	Avg	-----	6.4748 e4	-----	0.0755
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

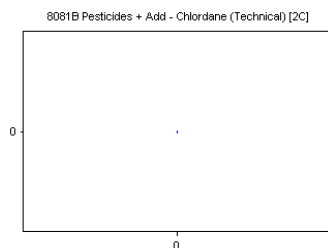
ECD8_QUANTPEST_200717.M Mon Jul 20 17:56:47 2020

Element Calibration Review Sheet

Calibration ID: **A0G2005**Instrument: **DUALECD8**Calibration Date: **07/20/2020**Analysis: **8081B Pesticides + Add**Instrument Cal ID: **ECD8_QUANTPEST_20071****Chlordane (Technical)**Curve Fit: **AVERAGE RF**

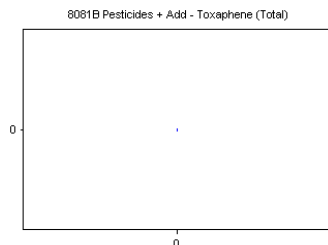
Standard	Concentration	Response	Response Factor	RT
0G17041-CALJ	40	0	0.000	0.00
0G17041-CALK	50	0	0.000	0.00
0G17041-CALL	100	0	0.000	0.00
0G17041-CALM	200	0	0.000	0.00
0G17041-CALN	500	0	0.000	0.00
0G17041-CALO	1000	0	0.000	0.00
0G17041-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Chlordane (Technical) [2C]Curve Fit: **AVERAGE RF**

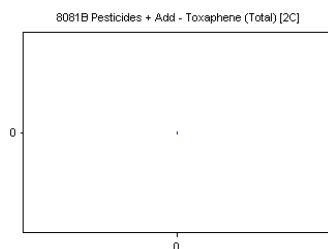
Standard	Concentration	Response	Response Factor	RT
0G17041-CALJ	40	0	0.000	0.00
0G17041-CALK	50	0	0.000	0.00
0G17041-CALL	100	0	0.000	0.00
0G17041-CALM	200	0	0.000	0.00
0G17041-CALN	500	0	0.000	0.00
0G17041-CALO	1000	0	0.000	0.00
0G17041-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total)Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0G17041-CALQ	40	0	0.000	0.00
0G17041-CALR	50	0	0.000	0.00
0G17041-CALS	100	0	0.000	0.00
0G17041-CALT	200	0	0.000	0.00
0G17041-CALU	500	0	0.000	0.00
0G17041-CALV	1000	0	0.000	0.00
0G17041-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
0G17041-CALQ	40	0	0.000	0.00
0G17041-CALR	50	0	0.000	0.00
0G17041-CALS	100	0	0.000	0.00
0G17041-CALT	200	0	0.000	0.00
0G17041-CALU	500	0	0.000	0.00
0G17041-CALV	1000	0	0.000	0.00
0G17041-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: **A0G2005**

Instrument: **DUALECD8**

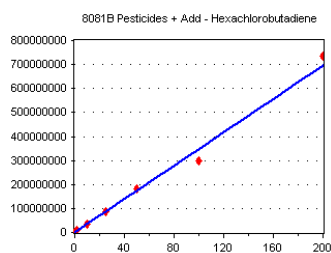
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

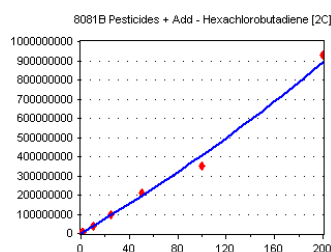


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2442623	4885246.000	3.18
OG17041-CALB	1	4669498	4669498.000	3.18
OG17041-CALC	2	7600210	3800105.000	3.18
OG17041-CALE	10	3.533296E+07	3533296.000	3.18
OG17041-CALF	25	8.639954E+07	3455982.000	3.18
OG17041-CALG	50	1.835218E+08	3670436.000	3.18
OG17041-CALH	100	2.992656E+08	2992656.000	3.18
OG17041-CALI	200	7.372609E+08	3686305.000	3.18

AVE RF 3836690.000 **RF RSD** 16.47 **AVE RT** 3.18

Hexachlorobutadiene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

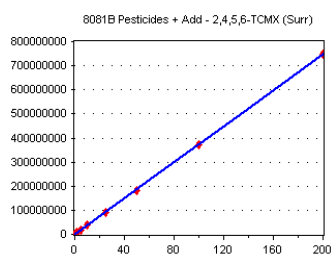


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2610849	5221698.000	3.78
OG17041-CALB	1	4887151	4887151.000	3.78
OG17041-CALC	2	8092131	4046066.000	3.78
OG17041-CALE	10	3.672168E+07	3672168.000	3.78
OG17041-CALF	25	9.624955E+07	3849982.000	3.77
OG17041-CALG	50	2.109849E+08	4219698.000	3.78
OG17041-CALH	100	3.522766E+08	3522766.000	3.78
OG17041-CALI	200	9.299092E+08	4649546.000	3.78

AVE RF 4258634.000 **RF RSD** 14.24 **AVE RT** 3.78

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

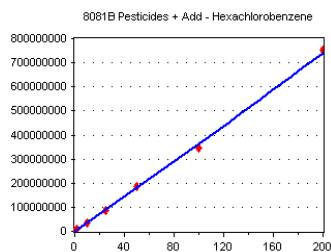


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2059810	4119620.000	5.39
OG17041-CAL2	1	3749962	3749962.000	5.39
OG17041-CAL3	2	6919197	3459599.000	5.39
OG17041-CAL4	5	1.893109E+07	3786218.000	5.39
OG17041-CAL5	10	3.766146E+07	3766146.000	5.39
OG17041-CAL6	25	8.921113E+07	3568445.000	5.39
OG17041-CAL7	50	1.835792E+08	3671584.000	5.39
OG17041-CAL8	100	3.723971E+08	3723971.000	5.39
OG17041-CAL9	200	7.492439E+08	3746220.000	5.39

AVE RF 3732418.000 **RF RSD** 4.83 **AVE RT** 5.39

Hexachlorobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2520153	5040306.000	5.77
OG17041-CALB	1	4691983	4691983.000	5.77
OG17041-CALC	2	7697940	3848970.000	5.77
OG17041-CALE	10	3.556693E+07	3556693.000	5.77
OG17041-CALF	25	8.821553E+07	3528621.000	5.77
OG17041-CALG	50	1.880231E+08	3760462.000	5.77
OG17041-CALH	100	3.467913E+08	3467913.000	5.77
OG17041-CALI	200	7.517308E+08	3758654.000	5.77

AVE RF 3956700.000 **RF RSD** 14.76 **AVE RT** 5.77

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

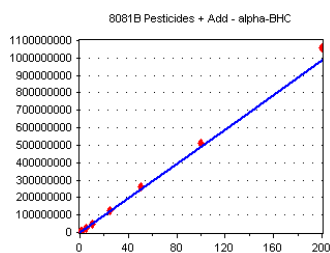
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

alpha-BHC

Curve Fit: **AVERAGE RF**

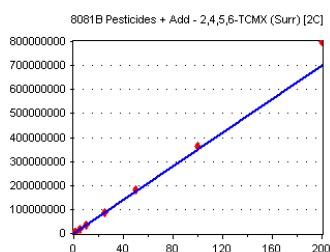


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2450601	4901202.000	5.93
OG17041-CAL2	1	4624195	4624195.000	5.93
OG17041-CAL3	2	8676234	4338117.000	5.93
OG17041-CAL4	5	2.492716E+07	4985432.000	5.93
OG17041-CAL5	10	4.897763E+07	4897763.000	5.93
OG17041-CAL6	25	1.233125E+08	4932500.000	5.93
OG17041-CAL7	50	2.627005E+08	5254010.000	5.93
OG17041-CAL8	100	5.101694E+08	5101694.000	5.93
OG17041-CAL9	200	1.056583E+09	5282915.000	5.93

AVE RF 4924203.000 **RF RSD** 6.04 **AVE RT** 5.93

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**

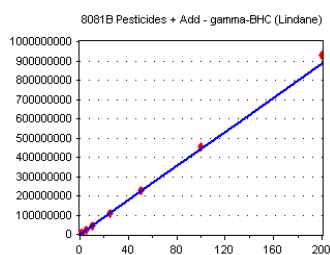


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1883297	3766594.000	6.08
OG17041-CAL2	1	3424170	3424170.000	6.08
OG17041-CAL3	2	6303438	3151719.000	6.08
OG17041-CAL4	5	1.636894E+07	3273788.000	6.08
OG17041-CAL5	10	3.26213E+07	3262130.000	6.08
OG17041-CAL6	25	8.483927E+07	3393571.000	6.08
OG17041-CAL7	50	1.8356E+08	3671200.000	6.08
OG17041-CAL8	100	3.65057E+08	3650570.000	6.08
OG17041-CAL9	200	7.998355E+08	3999178.000	6.08

AVE RF 3510324.000 **RF RSD** 7.91 **AVE RT** 6.08

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

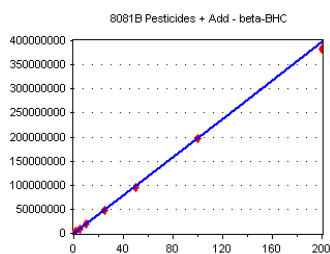


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2300594	4601188.000	6.22
OG17041-CAL2	1	4281415	4281415.000	6.22
OG17041-CAL3	2	8085541	4042771.000	6.22
OG17041-CAL4	5	2.24253E+07	4485060.000	6.22
OG17041-CAL5	10	4.337414E+07	4337414.000	6.22
OG17041-CAL6	25	1.088576E+08	4354304.000	6.22
OG17041-CAL7	50	2.273295E+08	4546590.000	6.22
OG17041-CAL8	100	4.519714E+08	4519714.000	6.22
OG17041-CAL9	200	9.280513E+08	4640257.000	6.22

AVE RF 4423190.000 **RF RSD** 4.26 **AVE RT** 6.22

beta-BHC

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1113855	2227710.000	6.30
OG17041-CAL2	1	2132830	2132830.000	6.30
OG17041-CAL3	2	3893858	1946929.000	6.30
OG17041-CAL4	5	9687102	1937420.000	6.30
OG17041-CAL5	10	1.949252E+07	1949252.000	6.30
OG17041-CAL6	25	4.775386E+07	1910154.000	6.30
OG17041-CAL7	50	9.462317E+07	1892463.000	6.30
OG17041-CAL8	100	1.957514E+08	1957514.000	6.29
OG17041-CAL9	200	3.828488E+08	1914244.000	6.29

AVE RF 1985391.000 **RF RSD** 5.79 **AVE RT** 6.30

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

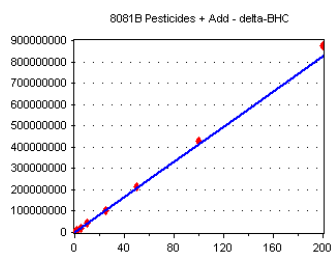
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

delta-BHC

Curve Fit: **AVERAGE RF**

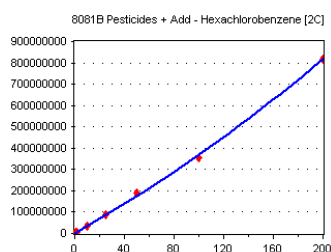


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2058451	4116902.000	6.45
OG17041-CAL2	1	3818920	3818920.000	6.45
OG17041-CAL3	2	7539593	3769797.000	6.45
OG17041-CAL4	5	2.078287E+07	4156574.000	6.45
OG17041-CAL5	10	4.154085E+07	4154085.000	6.45
OG17041-CAL6	25	1.032225E+08	4128900.000	6.45
OG17041-CAL7	50	2.158232E+08	4316464.000	6.45
OG17041-CAL8	100	4.285656E+08	4285656.000	6.44
OG17041-CAL9	200	8.754516E+08	4377258.000	6.44

AVE RF 4124951.000 **RF RSD** 5.06 **AVE RT** 6.45

Hexachlorobenzene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

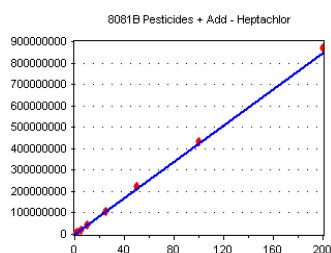


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2355809	4711618.000	6.54
OG17041-CALB	1	4319699	4319699.000	6.54
OG17041-CALC	2	6965613	3482807.000	6.54
OG17041-CALE	10	3.213501E+07	3213501.000	6.54
OG17041-CALF	25	8.651465E+07	3460586.000	6.54
OG17041-CALG	50	1.883107E+08	3766214.000	6.54
OG17041-CALH	100	3.543414E+08	3543414.000	6.54
OG17041-CALI	200	8.186951E+08	4093476.000	6.54

AVE RF 3823914.000 **RF RSD** 13.30 **AVE RT** 6.54

Heptachlor

Curve Fit: **AVERAGE RF**

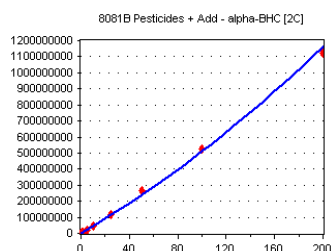


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2222149	4444298.000	6.63
OG17041-CAL2	1	4135756	4135756.000	6.63
OG17041-CAL3	2	7362354	3681177.000	6.63
OG17041-CAL4	5	2.159675E+07	4319350.000	6.63
OG17041-CAL5	10	4.162581E+07	4162581.000	6.63
OG17041-CAL6	25	1.061098E+08	4244392.000	6.63
OG17041-CAL7	50	2.215248E+08	4430496.000	6.63
OG17041-CAL8	100	4.331253E+08	4331253.000	6.63
OG17041-CAL9	200	8.710138E+08	4355069.000	6.62

AVE RF 4233819.000 **RF RSD** 5.51 **AVE RT** 6.63

alpha-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2141378	4282756.000	6.69
OG17041-CAL2	1	4050441	4050441.000	6.69
OG17041-CAL3	2	7647715	3823858.000	6.69
OG17041-CAL4	5	2.191708E+07	4383416.000	6.69
OG17041-CAL5	10	4.471332E+07	4471332.000	6.69
OG17041-CAL6	25	1.162427E+08	4649708.000	6.69
OG17041-CAL7	50	2.632248E+08	5264496.000	6.69
OG17041-CAL8	100	5.249579E+08	5249579.000	6.68
OG17041-CAL9	200	1.120173E+09	5600866.000	6.68

AVE RF 4641828.000 **RF RSD** 13.02 **AVE RT** 6.69

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

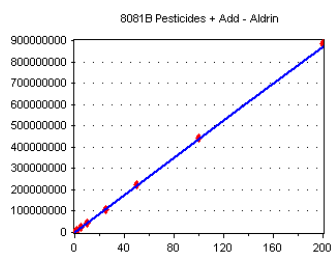
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Aldrin

Curve Fit: **AVERAGE RF**

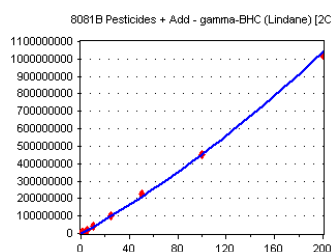


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2287325	4574650.000	6.87
OG17041-CAL2	1	4287214	4287214.000	6.87
OG17041-CAL3	2	8128193	4064097.000	6.87
OG17041-CAL4	5	2.197009E+07	4394018.000	6.87
OG17041-CAL5	10	4.421263E+07	4421263.000	6.87
OG17041-CAL6	25	1.061179E+08	4244716.000	6.87
OG17041-CAL7	50	2.220981E+08	4441962.000	6.87
OG17041-CAL8	100	4.419901E+08	4419901.000	6.87
OG17041-CAL9	200	8.852156E+08	4426078.000	6.86

AVE RF 4363767.000 **RF RSD** 3.36 **AVE RT** 6.87

gamma-BHC (Lindane) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

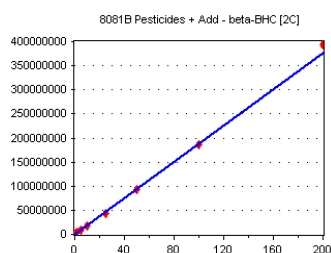


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2019752	4039504.000	7.00
OG17041-CAL2	1	3728838	3728838.000	7.00
OG17041-CAL3	2	6969061	3484531.000	7.01
OG17041-CAL4	5	1.966212E+07	3932424.000	7.00
OG17041-CAL5	10	3.945463E+07	3945463.000	7.00
OG17041-CAL6	25	1.030663E+08	4122652.000	7.00
OG17041-CAL7	50	2.274076E+08	4548152.000	7.00
OG17041-CAL8	100	4.514572E+08	4514572.000	7.00
OG17041-CAL9	200	1.024229E+09	5121145.000	7.00

AVE RF 4159698.000 **RF RSD** 11.89 **AVE RT** 7.00

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

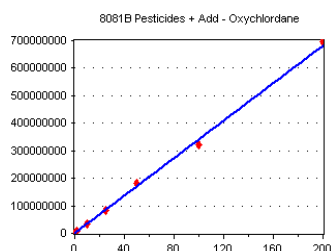


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1100105	2200210.000	7.07
OG17041-CAL2	1	2041836	2041836.000	7.07
OG17041-CAL3	2	3586376	1793188.000	7.07
OG17041-CAL4	5	8897498	1779500.000	7.07
OG17041-CAL5	10	1.735607E+07	1735607.000	7.07
OG17041-CAL6	25	4.305788E+07	1722315.000	7.07
OG17041-CAL7	50	9.332299E+07	1866460.000	7.07
OG17041-CAL8	100	1.862453E+08	1862453.000	7.07
OG17041-CAL9	200	3.930936E+08	1965468.000	7.06

AVE RF 1885226.000 **RF RSD** 8.38 **AVE RT** 7.07

Oxychlorane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2279406	4558812.000	7.26
OG17041-CALB	1	4346224	4346224.000	7.26
OG17041-CALC	2	7240444	3620222.000	7.26
OG17041-CALE	10	3.411778E+07	3411778.000	7.25
OG17041-CALF	25	8.478823E+07	3391529.000	7.25
OG17041-CALG	50	1.806319E+08	3612638.000	7.25
OG17041-CALH	100	3.218642E+08	3218642.000	7.25
OG17041-CALI	200	6.954044E+08	3477022.000	7.25

AVE RF 3704608.000 **RF RSD** 13.02 **AVE RT** 7.25

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

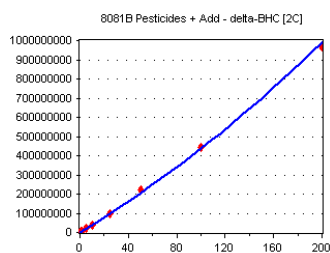
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

delta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

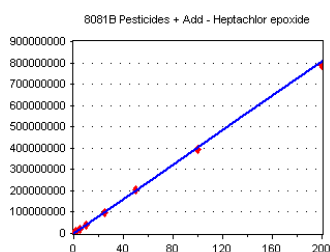


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1866164	3732328.000	7.32
OG17041-CAL2	1	3499685	3499685.000	7.32
OG17041-CAL3	2	6680796	3340398.000	7.32
OG17041-CAL4	5	1.898698E+07	3797396.000	7.32
OG17041-CAL5	10	3.871806E+07	3871806.000	7.32
OG17041-CAL6	25	9.990544E+07	3996218.000	7.32
OG17041-CAL7	50	2.228662E+08	4457324.000	7.32
OG17041-CAL8	100	4.409992E+08	4409992.000	7.32
OG17041-CAL9	200	9.66454E+08	4832270.000	7.32

AVE RF 3993046.000 **RF RSD** 12.15 **AVE RT** 7.32

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

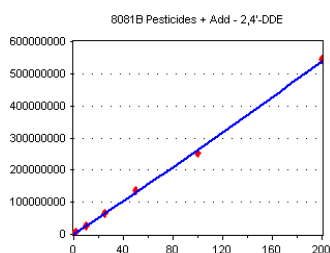


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2227813	4455626.000	7.33
OG17041-CAL2	1	4194494	4194494.000	7.33
OG17041-CAL3	2	7788065	3894033.000	7.33
OG17041-CAL4	5	2.035841E+07	4071682.000	7.33
OG17041-CAL5	10	3.997372E+07	3997372.000	7.33
OG17041-CAL6	25	9.663315E+07	3865326.000	7.33
OG17041-CAL7	50	2.050739E+08	4101478.000	7.33
OG17041-CAL8	100	3.920158E+08	3920158.000	7.33
OG17041-CAL9	200	7.890219E+08	3945110.000	7.32

AVE RF 4049475.000 **RF RSD** 4.60 **AVE RT** 7.33

2,4'-DDE

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

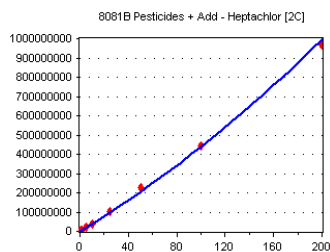


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1697469	3394938.000	7.33
OG17041-CALB	1	3231037	3231037.000	7.33
OG17041-CALC	2	5373567	2686784.000	7.33
OG17041-CALE	10	2.504734E+07	2504734.000	7.33
OG17041-CALF	25	6.528934E+07	2611574.000	7.33
OG17041-CALG	50	1.360157E+08	2720314.000	7.33
OG17041-CALH	100	2.525966E+08	2525966.000	7.33
OG17041-CALI	200	5.440102E+08	2720051.000	7.33

AVE RF 2799425.000 **RF RSD** 11.79 **AVE RT** 7.33

Heptachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2112772	4225544.000	7.38
OG17041-CAL2	1	3871749	3871749.000	7.38
OG17041-CAL3	2	6747350	3373675.000	7.38
OG17041-CAL4	5	1.936439E+07	3872878.000	7.38
OG17041-CAL5	10	3.827259E+07	3827259.000	7.38
OG17041-CAL6	25	1.015269E+08	4061076.000	7.38
OG17041-CAL7	50	2.274877E+08	4549754.000	7.38
OG17041-CAL8	100	4.452021E+08	4452021.000	7.38
OG17041-CAL9	200	9.661757E+08	4830879.000	7.38

AVE RF 4118315.000 **RF RSD** 10.79 **AVE RT** 7.38

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

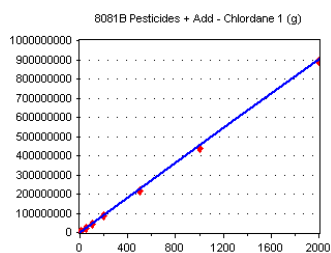
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

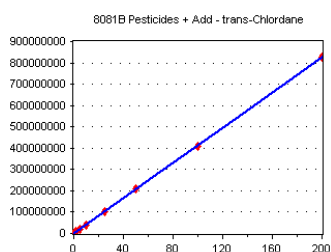


Standard	Concentration	Response	Response Factor	RT
OG17041-CALJ	10	5115943	511594.300	7.42
OG17041-CALK	50	2.193323E+07	438664.600	7.42
OG17041-CALL	100	4.533478E+07	453347.800	7.42
OG17041-CALM	200	8.898434E+07	444921.700	7.42
OG17041-CALN	500	2.16677E+08	433354.000	7.42
OG17041-CALO	1000	4.387869E+08	438786.900	7.42
OG17041-CALP	2000	8.921446E+08	446072.300	7.41

AVE RF 452391.700 RF RSD 5.94 AVE RT 7.42

trans-Chlordane

Curve Fit: **AVERAGE RF**

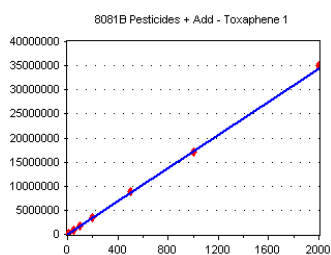


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2220216	4440432.000	7.43
OG17041-CAL2	1	4203847	4203847.000	7.42
OG17041-CAL3	2	7827529	3913765.000	7.42
OG17041-CAL4	5	2.080059E+07	4160118.000	7.42
OG17041-CAL5	10	4.075174E+07	4075174.000	7.42
OG17041-CAL6	25	1.002928E+08	4011712.000	7.42
OG17041-CAL7	50	2.106842E+08	4213684.000	7.42
OG17041-CAL8	100	4.087699E+08	4087699.000	7.42
OG17041-CAL9	200	8.263369E+08	4131685.000	7.42

AVE RF 4137568.000 RF RSD 3.57 AVE RT 7.42

Toxaphene 1

Curve Fit: **AVERAGE RF**

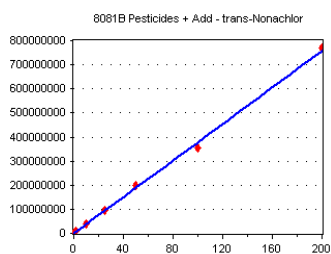


Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	168184	16818.400	7.49
OG17041-CALR	50	855942	17118.840	7.49
OG17041-CALS	100	1712669	17126.690	7.49
OG17041-CALT	200	3430159	17150.790	7.49
OG17041-CALU	500	8796735	17593.470	7.49
OG17041-CALV	1000	1.708646E+07	17086.460	7.49
OG17041-CALW	2000	3.503818E+07	17519.090	7.49

AVE RF 17201.960 RF RSD 1.56 AVE RT 7.49

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2708442	5416884.000	7.51
OG17041-CALB	1	4867111	4867111.000	7.51
OG17041-CALC	2	8145922	4072961.000	7.51
OG17041-CALE	10	3.799201E+07	3799201.000	7.51
OG17041-CALF	25	9.342E+07	3736800.000	7.51
OG17041-CALG	50	1.995276E+08	3990552.000	7.51
OG17041-CALH	100	3.559772E+08	3559772.000	7.51
OG17041-CALI	200	7.711263E+08	3855631.000	7.50

AVE RF 4162364.000 RF RSD 15.41 AVE RT 7.51

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

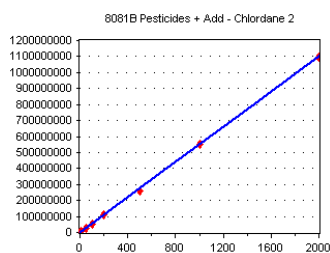
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Chlordane 2

Curve Fit: **AVERAGE RF**

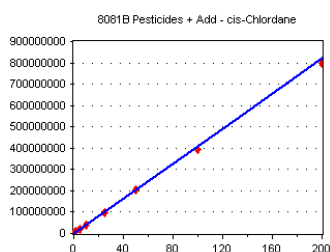


Standard	Concentration	Response	Response Factor	RT
OG17041-CALJ	10	6021217	602121.700	7.51
OG17041-CALK	50	2.728727E+07	545745.400	7.51
OG17041-CALL	100	5.45154E+07	545154.000	7.51
OG17041-CALM	200	1.071642E+08	535821.000	7.51
OG17041-CALN	500	2.625772E+08	525154.400	7.51
OG17041-CALO	1000	5.492171E+08	549217.100	7.51
OG17041-CALP	2000	1.096391E+09	548195.500	7.51

AVE RF 550201.300 **RF RSD** 4.44 **AVE RT** 7.51

cis-Chlordane

Curve Fit: **AVERAGE RF**

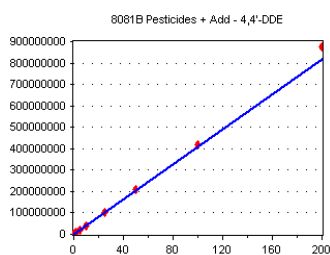


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2439640	4879280.000	7.52
OG17041-CAL2	1	4349971	4349971.000	7.52
OG17041-CAL3	2	7826014	3913007.000	7.52
OG17041-CAL4	5	2.003238E+07	4006476.000	7.52
OG17041-CAL5	10	3.953175E+07	3953175.000	7.52
OG17041-CAL6	25	9.631571E+07	3852629.000	7.52
OG17041-CAL7	50	2.023816E+08	4047632.000	7.52
OG17041-CAL8	100	3.918293E+08	3918293.000	7.52
OG17041-CAL9	200	7.97833E+08	3989165.000	7.52

AVE RF 4101070.000 **RF RSD** 7.92 **AVE RT** 7.52

4,4'-DDE

Curve Fit: **AVERAGE RF**

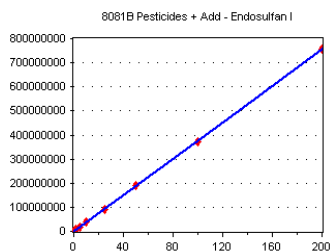


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2065125	4130250.000	7.58
OG17041-CAL2	1	3926902	3926902.000	7.58
OG17041-CAL3	2	7323605	3661803.000	7.58
OG17041-CAL4	5	2.062486E+07	4124972.000	7.58
OG17041-CAL5	10	4.094501E+07	4094501.000	7.58
OG17041-CAL6	25	1.016359E+08	4065436.000	7.58
OG17041-CAL7	50	2.110816E+08	4221632.000	7.58
OG17041-CAL8	100	4.189684E+08	4189684.000	7.58
OG17041-CAL9	200	8.756063E+08	4378032.000	7.58

AVE RF 4088135.000 **RF RSD** 4.92 **AVE RT** 7.58

Endosulfan I

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2036980	4073960.000	7.62
OG17041-CAL2	1	3844786	3844786.000	7.62
OG17041-CAL3	2	7306381	3653191.000	7.62
OG17041-CAL4	5	1.872789E+07	3745578.000	7.62
OG17041-CAL5	10	3.753404E+07	3753404.000	7.62
OG17041-CAL6	25	8.882838E+07	3553135.000	7.62
OG17041-CAL7	50	1.906874E+08	3813748.000	7.62
OG17041-CAL8	100	3.732245E+08	3732245.000	7.61
OG17041-CAL9	200	7.57395E+08	3786975.000	7.61

AVE RF 3773002.000 **RF RSD** 3.78 **AVE RT** 7.62

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

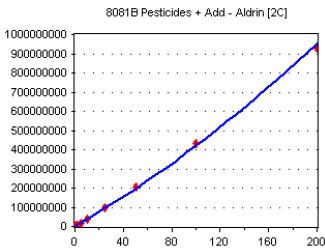
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Aldrin [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

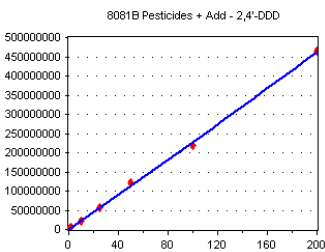


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1943000	3886000.000	7.65
OG17041-CAL2	1	3522992	3522992.000	7.65
OG17041-CAL3	2	6693503	3346752.000	7.65
OG17041-CAL4	5	1.843062E+07	3686124.000	7.64
OG17041-CAL5	10	3.747691E+07	3747691.000	7.64
OG17041-CAL6	25	9.723854E+07	3889542.000	7.64
OG17041-CAL7	50	2.080883E+08	4161766.000	7.64
OG17041-CAL8	100	4.313923E+08	4313923.000	7.64
OG17041-CAL9	200	9.297929E+08	4648965.000	7.64

AVE RF 3911528.000 **RF RSD** 10.37 **AVE RT** 7.64

2,4'-DDD

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

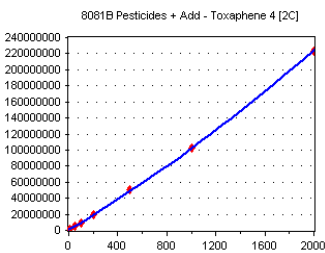


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1506066	3012132.000	7.70
OG17041-CALB	1	2904094	2904094.000	7.70
OG17041-CALC	2	4748095	2374048.000	7.70
OG17041-CALE	10	2.152955E+07	2152955.000	7.70
OG17041-CALF	25	5.57214E+07	2228856.000	7.70
OG17041-CALG	50	1.213638E+08	2427276.000	7.70
OG17041-CALH	100	2.187126E+08	2187126.000	7.70
OG17041-CALI	200	4.649884E+08	2324942.000	7.70

AVE RF 2451429.000 **RF RSD** 13.36 **AVE RT** 7.70

Toxaphene 4 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

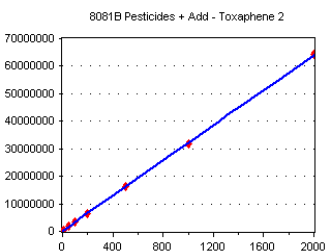


Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	1563268	156326.800	0.00
OG17041-CALR	50	5159111	103182.200	9.00
OG17041-CALS	100	9694013	96940.130	9.00
OG17041-CALT	200	1.928455E+07	96422.750	9.00
OG17041-CALU	500	5.016153E+07	100323.100	9.00
OG17041-CALV	1000	1.018501E+08	101850.100	9.00
OG17041-CALW	2000	2.229468E+08	111473.400	9.00

AVE RF 109502.600 **RF RSD** 19.40 **AVE RT** 7.72

Toxaphene 2

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	425175	42517.500	7.78
OG17041-CALR	50	1738004	34760.080	7.78
OG17041-CALS	100	3397116	33971.160	7.78
OG17041-CALT	200	6458181	32290.900	7.78
OG17041-CALU	500	1.637489E+07	32749.780	7.78
OG17041-CALV	1000	3.183997E+07	31839.970	7.78
OG17041-CALW	2000	6.447252E+07	32236.260	7.78

AVE RF 34337.950 **RF RSD** 10.93 **AVE RT** 7.78

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

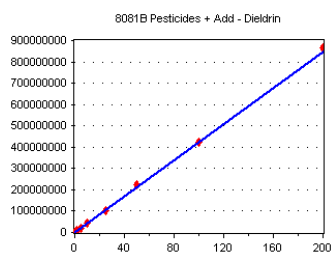
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Dieldrin

Curve Fit: **AVERAGE RF**

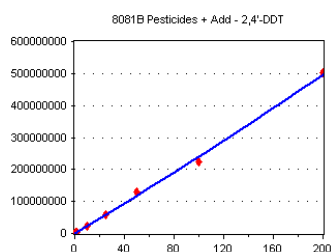


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2238734	4477468.000	7.79
OG17041-CAL2	1	4076655	4076655.000	7.79
OG17041-CAL3	2	7917841	3958921.000	7.79
OG17041-CAL4	5	2.146698E+07	4293396.000	7.79
OG17041-CAL5	10	4.162963E+07	4162963.000	7.79
OG17041-CAL6	25	1.01828E+08	4073120.000	7.79
OG17041-CAL7	50	2.228413E+08	4456826.000	7.79
OG17041-CAL8	100	4.234911E+08	4234911.000	7.79
OG17041-CAL9	200	8.654676E+08	4327338.000	7.79

AVE RF 4229066.000 **RF RSD** 4.20 **AVE RT** 7.79

2,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

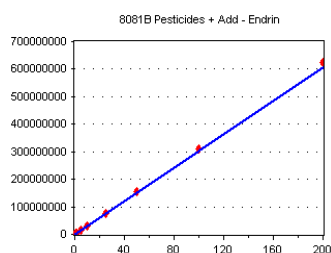


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1534728	3069456.000	7.89
OG17041-CALB	1	3010061	3010061.000	7.89
OG17041-CALC	2	4798715	2399358.000	7.89
OG17041-CALE	10	2.19496E+07	2194960.000	7.88
OG17041-CALF	25	5.939049E+07	2375620.000	7.88
OG17041-CALG	50	1.300343E+08	2600686.000	7.88
OG17041-CALH	100	2.246783E+08	2246783.000	7.88
OG17041-CALI	200	5.012161E+08	2506081.000	7.88

AVE RF 2550375.000 **RF RSD** 12.89 **AVE RT** 7.88

Endrin

Curve Fit: **AVERAGE RF**

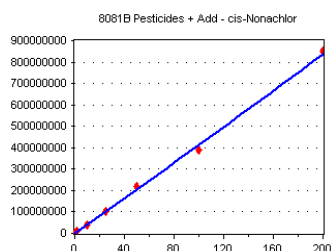


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1557812	3115624.000	7.96
OG17041-CAL2	1	3009843	3009843.000	7.96
OG17041-CAL3	2	5251034	2625517.000	7.96
OG17041-CAL4	5	1.52638E+07	3052760.000	7.96
OG17041-CAL5	10	3.087615E+07	3087615.000	7.95
OG17041-CAL6	25	7.470544E+07	2988218.000	7.95
OG17041-CAL7	50	1.541935E+08	3083870.000	7.95
OG17041-CAL8	100	3.120244E+08	3120244.000	7.95
OG17041-CAL9	200	6.258257E+08	3129129.000	7.95

AVE RF 3023647.000 **RF RSD** 5.20 **AVE RT** 7.95

cis-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2710672	5421344.000	7.98
OG17041-CALB	1	5147187	5147187.000	7.98
OG17041-CALC	2	8564156	4282078.000	7.98
OG17041-CALE	10	4.077357E+07	4077357.000	7.98
OG17041-CALF	25	1.005497E+08	4021988.000	7.98
OG17041-CALG	50	2.173027E+08	4346054.000	7.98
OG17041-CALH	100	3.900206E+08	3900206.000	7.98
OG17041-CALI	200	8.504409E+08	4252205.000	7.98

AVE RF 4431052.000 **RF RSD** 12.45 **AVE RT** 7.98

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

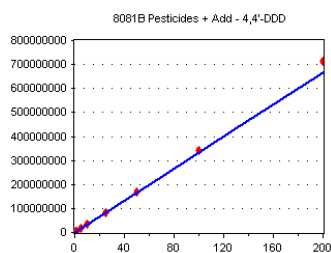
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

4,4'-DDD

Curve Fit: **AVERAGE RF**

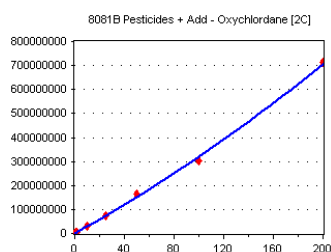


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1731427	3462854.000	8.01
OG17041-CAL2	1	3227439	3227439.000	8.00
OG17041-CAL3	2	6167478	3083739.000	8.00
OG17041-CAL4	5	1.635583E+07	3271166.000	8.00
OG17041-CAL5	10	3.356588E+07	3356588.000	8.00
OG17041-CAL6	25	8.147943E+07	3259177.000	8.00
OG17041-CAL7	50	1.701168E+08	3402336.000	8.00
OG17041-CAL8	100	3.426073E+08	3426073.000	8.00
OG17041-CAL9	200	7.140369E+08	3570185.000	8.00

AVE RF 3339951.000 **RF RSD** 4.36 **AVE RT** 8.00

Oxychlorane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

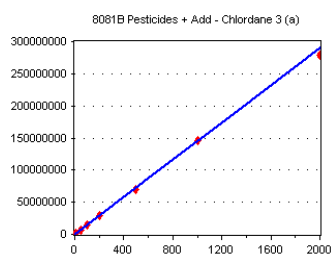


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2071594	4143188.000	8.01
OG17041-CALB	1	3816786	3816786.000	8.01
OG17041-CALC	2	6165205	3082603.000	8.01
OG17041-CALE	10	2.835892E+07	2835892.000	8.01
OG17041-CALF	25	7.534904E+07	3013962.000	8.01
OG17041-CALG	50	1.623497E+08	3246994.000	8.01
OG17041-CALH	100	3.019234E+08	3019234.000	8.01
OG17041-CALI	200	7.122413E+08	3561207.000	8.01

AVE RF 3339983.000 **RF RSD** 13.67 **AVE RT** 8.01

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

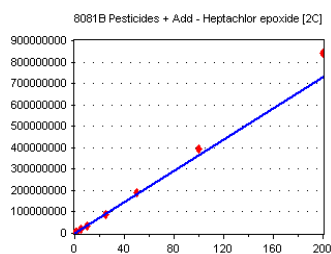


Standard	Concentration	Response	Response Factor	RT
OG17041-CALJ	10	1709262	170926.200	8.06
OG17041-CALK	50	6922066	138441.300	8.06
OG17041-CALL	100	1.39777E+07	139777.000	8.06
OG17041-CALM	200	2.854694E+07	142734.700	8.06
OG17041-CALN	500	6.90897E+07	138179.400	8.06
OG17041-CALO	1000	1.45425E+08	145425.000	8.06
OG17041-CALP	2000	2.795564E+08	139778.200	8.06

AVE RF 145037.400 **RF RSD** 8.07 **AVE RT** 8.06

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2038283	4076566.000	8.08
OG17041-CAL2	1	3537621	3537621.000	8.08
OG17041-CAL3	2	6371510	3185755.000	8.08
OG17041-CAL4	5	1.716362E+07	3432724.000	8.08
OG17041-CAL5	10	3.372099E+07	3372099.000	8.08
OG17041-CAL6	25	8.551709E+07	3420684.000	8.08
OG17041-CAL7	50	1.887457E+08	3774914.000	8.08
OG17041-CAL8	100	3.944076E+08	3944076.000	8.08
OG17041-CAL9	200	8.405274E+08	4202637.000	8.08

AVE RF 3660786.000 **RF RSD** 9.63 **AVE RT** 8.08

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

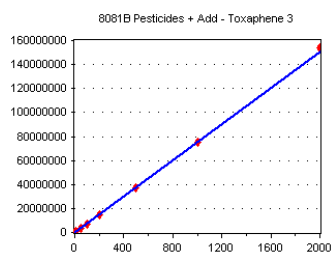
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Toxaphene 3

Curve Fit: **AVERAGE RF**

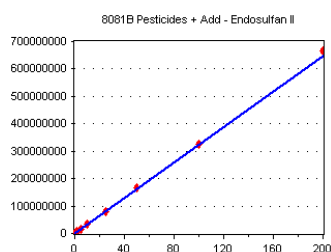


Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	808329	80832.900	8.09
OG17041-CALR	50	3711254	74225.080	8.09
OG17041-CALS	100	7343945	73439.450	8.09
OG17041-CALT	200	1.44769E+07	72384.500	8.09
OG17041-CALU	500	3.735685E+07	74713.700	8.09
OG17041-CALV	1000	7.504475E+07	75044.750	8.09
OG17041-CALW	2000	1.536024E+08	76801.200	8.09

AVE RF 75348.800 **RF RSD** 3.69 **AVE RT** 8.09

Endosulfan II

Curve Fit: **AVERAGE RF**

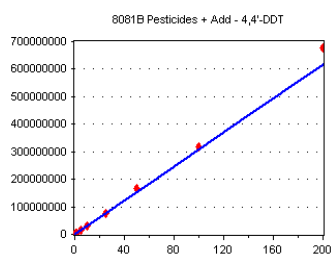


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1722193	3444386.000	8.12
OG17041-CAL2	1	3220135	3220135.000	8.12
OG17041-CAL3	2	6017590	3008795.000	8.12
OG17041-CAL4	5	1.595231E+07	3190462.000	8.12
OG17041-CAL5	10	3.218172E+07	3218172.000	8.11
OG17041-CAL6	25	7.81807E+07	3127228.000	8.11
OG17041-CAL7	50	1.659302E+08	3318604.000	8.11
OG17041-CAL8	100	3.249503E+08	3249503.000	8.11
OG17041-CAL9	200	6.652398E+08	3326199.000	8.11

AVE RF 3233720.000 **RF RSD** 3.86 **AVE RT** 8.11

4,4'-DDT

Curve Fit: **AVERAGE RF**

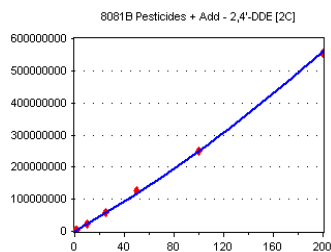


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1656264	3312528.000	8.20
OG17041-CAL2	1	2992885	2992885.000	8.20
OG17041-CAL3	2	4913313	2456657.000	8.20
OG17041-CAL4	5	1.475894E+07	2951788.000	8.20
OG17041-CAL5	10	3.094088E+07	3094088.000	8.20
OG17041-CAL6	25	7.723442E+07	3089377.000	8.20
OG17041-CAL7	50	1.678445E+08	3356890.000	8.20
OG17041-CAL8	100	3.175497E+08	3175497.000	8.20
OG17041-CAL9	200	6.759237E+08	3379619.000	8.20

AVE RF 3089925.000 **RF RSD** 9.17 **AVE RT** 8.20

2,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1531133	3062266.000	8.21
OG17041-CALB	1	2813710	2813710.000	8.21
OG17041-CALC	2	4622970	2311485.000	8.21
OG17041-CALE	10	2.137816E+07	2137816.000	8.21
OG17041-CALF	25	5.706652E+07	2282661.000	8.21
OG17041-CALG	50	1.279959E+08	2559918.000	8.21
OG17041-CALH	100	2.490613E+08	2490613.000	8.21
OG17041-CALI	200	5.537113E+08	2768557.000	8.21

AVE RF 2553378.000 **RF RSD** 12.22 **AVE RT** 8.21

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

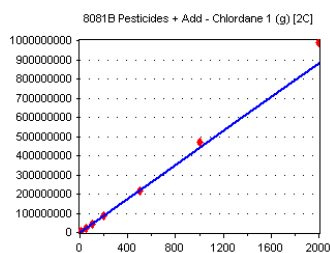
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

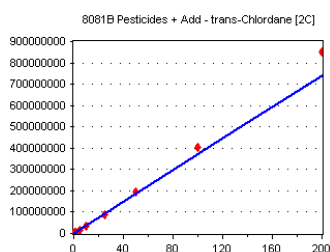


Standard	Concentration	Response	Response Factor	RT
OG17041-CALJ	10	4529535	452953.500	8.22
OG17041-CALK	50	2.023664E+07	404732.800	8.22
OG17041-CALL	100	4.107347E+07	410734.700	8.22
OG17041-CALM	200	8.476404E+07	423820.200	8.22
OG17041-CALN	500	2.179246E+08	435849.200	8.22
OG17041-CALO	1000	4.693387E+08	469338.700	8.22
OG17041-CALP	2000	9.904589E+08	495229.400	8.21

AVE RF 441808.400 **RF RSD** 7.41 **AVE RT** 8.22

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

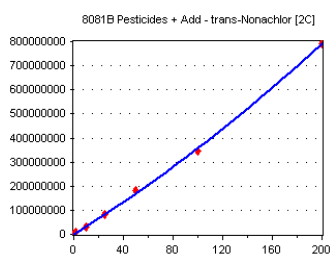


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1998781	3997562.000	8.22
OG17041-CAL2	1	3562892	3562892.000	8.22
OG17041-CAL3	2	6724097	3362049.000	8.22
OG17041-CAL4	5	1.694547E+07	3389094.000	8.22
OG17041-CAL5	10	3.391445E+07	3391445.000	8.22
OG17041-CAL6	25	8.607344E+07	3442938.000	8.22
OG17041-CAL7	50	1.960189E+08	3920378.000	8.22
OG17041-CAL8	100	4.031362E+08	4031362.000	8.22
OG17041-CAL9	200	8.501055E+08	4250528.000	8.22

AVE RF 3705361.000 **RF RSD** 9.25 **AVE RT** 8.22

trans-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

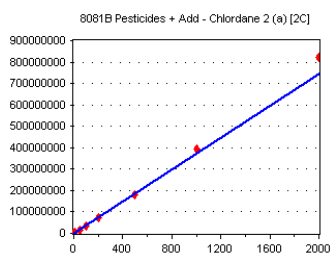


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2349402	4698804.000	8.28
OG17041-CALB	1	4254521	4254521.000	8.28
OG17041-CALC	2	6801997	3400999.000	8.28
OG17041-CALE	10	3.144882E+07	3144882.000	8.28
OG17041-CALF	25	8.237169E+07	3294868.000	8.28
OG17041-CALG	50	1.81277E+08	3625540.000	8.28
OG17041-CALH	100	3.466326E+08	3466326.000	8.28
OG17041-CALI	200	7.928869E+08	3964435.000	8.28

AVE RF 3731297.000 **RF RSD** 14.29 **AVE RT** 8.28

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**



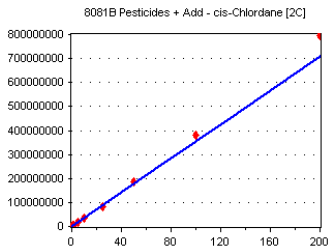
Standard	Concentration	Response	Response Factor	RT
OG17041-CALJ	10	4030003	403000.300	8.32
OG17041-CALK	50	1.686064E+07	337212.800	8.32
OG17041-CALL	100	3.45052E+07	345052.000	8.32
OG17041-CALM	200	7.057051E+07	352852.600	8.32
OG17041-CALN	500	1.815522E+08	363104.400	8.32
OG17041-CALO	1000	3.939103E+08	393910.300	8.32
OG17041-CALP	2000	8.209335E+08	410466.800	8.32

AVE RF 372228.400 **RF RSD** 7.99 **AVE RT** 8.32

Element Calibration Review Sheet

Calibration ID: **A0G2005**Instrument: **DUALECD8**Calibration Date: **07/20/2020**Analysis: **8081B Pesticides + Add**Instrument Cal ID: **ECD8_QUANTPEST_20071**

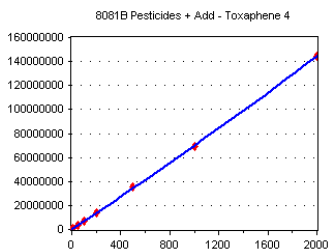
cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1890414	3780828.000	8.33
OG17041-CAL2	1	3440076	3440076.000	8.33
OG17041-CAL3	2	6359764	3179882.000	8.33
OG17041-CAL4	5	1.672319E+07	3344638.000	8.33
OG17041-CAL5	10	3.360184E+07	3360184.000	8.33
OG17041-CAL6	25	8.400322E+07	3360129.000	8.33
OG17041-CAL7	50	1.84225E+08	3684500.000	8.33
OG17041-CAL8	100	3.802116E+08	3802116.000	8.33
OG17041-CAL9	200	7.959508E+08	3979754.000	8.33

AVE RF **3548012.000** RF RSD **7.61** AVE RT **8.33**

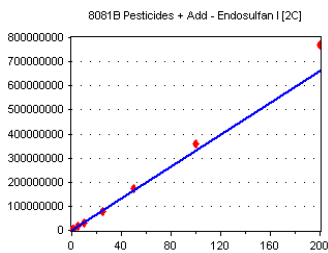
Toxaphene 4

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	997698	99769.800	8.33
OG17041-CALR	50	3700248	74004.960	8.33
OG17041-CALS	100	6896854	68968.540	8.33
OG17041-CALT	200	1.358354E+07	67917.700	8.33
OG17041-CALU	500	3.516775E+07	70335.510	8.33
OG17041-CALV	1000	6.959812E+07	69598.120	8.33
OG17041-CALW	2000	1.441765E+08	72088.250	8.33

AVE RF **74668.980** RF RSD **15.07** AVE RT **8.33**

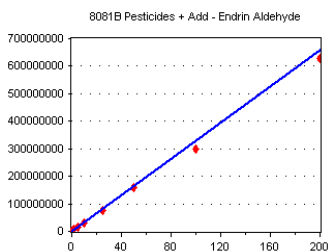
Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1697626	3395252.000	8.38
OG17041-CAL2	1	3206256	3206256.000	8.38
OG17041-CAL3	2	6010589	3005295.000	8.38
OG17041-CAL4	5	1.5748E+07	3149600.000	8.38
OG17041-CAL5	10	3.053644E+07	3053644.000	8.38
OG17041-CAL6	25	7.807344E+07	3122938.000	8.38
OG17041-CAL7	50	1.720562E+08	3441124.000	8.38
OG17041-CAL8	100	3.594954E+08	3594954.000	8.38
OG17041-CAL9	200	7.684431E+08	3842215.000	8.38

AVE RF **3312364.000** RF RSD **8.40** AVE RT **8.38**

Endrin Aldehyde

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1961121	3922242.000	8.41
OG17041-CAL2	1	3634935	3634935.000	8.41
OG17041-CAL3	2	6892476	3446238.000	8.40
OG17041-CAL4	5	1.611602E+07	3223204.000	8.40
OG17041-CAL5	10	3.173576E+07	3173576.000	8.40
OG17041-CAL6	25	7.448588E+07	2979435.000	8.40
OG17041-CAL7	50	1.572567E+08	3145134.000	8.40
OG17041-CAL8	100	2.970894E+08	2970894.000	8.40
OG17041-CAL9	200	6.278462E+08	3139231.000	8.40

AVE RF **3292765.000** RF RSD **9.62** AVE RT **8.40**

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

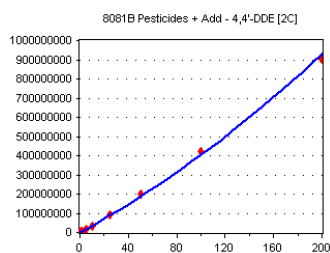
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

4,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

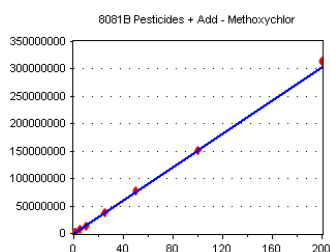


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1702667	3405334.000	8.43
OG17041-CAL2	1	3336158	3336158.000	8.43
OG17041-CAL3	2	6193968	3096984.000	8.43
OG17041-CAL4	5	1.703514E+07	3407028.000	8.43
OG17041-CAL5	10	3.503807E+07	3503807.000	8.43
OG17041-CAL6	25	8.987557E+07	3595023.000	8.43
OG17041-CAL7	50	1.99416E+08	3988320.000	8.43
OG17041-CAL8	100	4.192813E+08	4192813.000	8.43
OG17041-CAL9	200	9.035551E+08	4517776.000	8.43

AVE RF 3671471.000 **RF RSD** 12.58 **AVE RT** 8.43

Methoxychlor

Curve Fit: **AVERAGE RF**

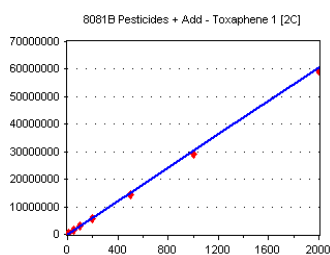


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	868824	1737648.000	8.55
OG17041-CAL2	1	1581473	1581473.000	8.54
OG17041-CAL3	2	2542453	1271227.000	8.54
OG17041-CAL4	5	7562519	1512504.000	8.54
OG17041-CAL5	10	1.408358E+07	1408358.000	8.54
OG17041-CAL6	25	3.731787E+07	1492715.000	8.54
OG17041-CAL7	50	7.74573E+07	1549146.000	8.54
OG17041-CAL8	100	1.511606E+08	1511606.000	8.54
OG17041-CAL9	200	3.149976E+08	1574988.000	8.54

AVE RF 1515518.000 **RF RSD** 8.41 **AVE RT** 8.54

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

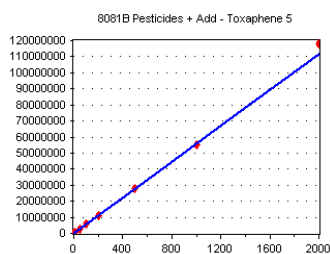


Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	335512	33551.200	8.55
OG17041-CALR	50	1583081	31661.620	8.55
OG17041-CALS	100	3003906	30039.060	8.55
OG17041-CALT	200	5816913	29084.560	8.55
OG17041-CALU	500	1.420429E+07	28408.580	8.55
OG17041-CALV	1000	2.920344E+07	29203.440	8.55
OG17041-CALW	2000	5.942247E+07	29711.240	8.55

AVE RF 30237.100 **RF RSD** 5.90 **AVE RT** 8.55

Toxaphene 5

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	570568	57056.800	8.56
OG17041-CALR	50	2695138	53902.760	8.56
OG17041-CALS	100	5572830	55728.300	8.56
OG17041-CALT	200	1.074054E+07	53702.700	8.56
OG17041-CALU	500	2.812695E+07	56253.900	8.56
OG17041-CALV	1000	5.535758E+07	55357.580	8.56
OG17041-CALW	2000	1.179128E+08	58956.400	8.56

AVE RF 55851.210 **RF RSD** 3.26 **AVE RT** 8.56

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

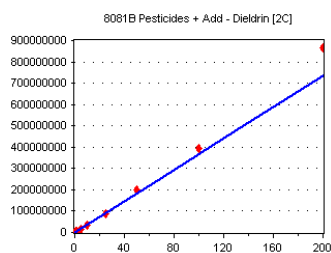
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

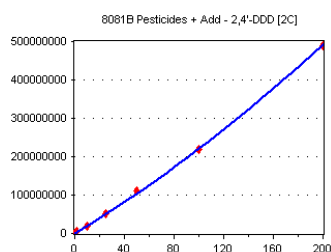


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1823919	3647838.000	8.58
OG17041-CAL2	1	3411011	3411011.000	8.58
OG17041-CAL3	2	6570645	3285323.000	8.58
OG17041-CAL4	5	1.697576E+07	3395152.000	8.58
OG17041-CAL5	10	3.474456E+07	3474456.000	8.58
OG17041-CAL6	25	8.937815E+07	3575126.000	8.58
OG17041-CAL7	50	2.01395E+08	4027900.000	8.58
OG17041-CAL8	100	3.964674E+08	3964674.000	8.58
OG17041-CAL9	200	8.636945E+08	4318473.000	8.58

AVE RF 3677772.000 **RF RSD** 9.48 **AVE RT** 8.58

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

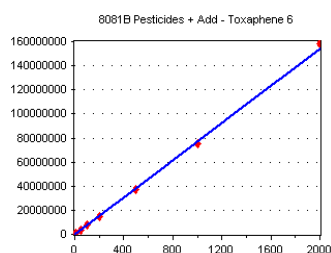


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1354404	2708808.000	8.58
OG17041-CALB	1	2521607	2521607.000	8.58
OG17041-CALC	2	4134571	2067286.000	8.58
OG17041-CALE	10	1.896882E+07	1896882.000	8.58
OG17041-CALF	25	5.048322E+07	2019329.000	8.58
OG17041-CALG	50	1.103293E+08	2206586.000	8.58
OG17041-CALH	100	2.181411E+08	2181411.000	8.58
OG17041-CALI	200	4.904762E+08	2452381.000	8.58

AVE RF 2256786.000 **RF RSD** 12.34 **AVE RT** 8.58

Toxaphene 6

Curve Fit: **AVERAGE RF**

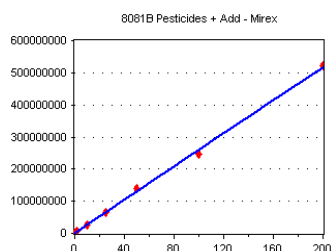


Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	869784	86978.400	8.63
OG17041-CALR	50	3727757	74555.140	8.63
OG17041-CALS	100	7361756	73617.560	8.63
OG17041-CALT	200	1.474088E+07	73704.400	8.63
OG17041-CALU	500	3.7486E+07	74972.000	8.63
OG17041-CALV	1000	7.524774E+07	75247.740	8.63
OG17041-CALW	2000	1.581229E+08	79061.450	8.63

AVE RF 76876.670 **RF RSD** 6.26 **AVE RT** 8.63

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1992597	3985194.000	8.65
OG17041-CALB	1	3681219	3681219.000	8.65
OG17041-CALC	2	5794391	2897196.000	8.65
OG17041-CALE	10	2.510932E+07	2510932.000	8.65
OG17041-CALF	25	6.606263E+07	2642505.000	8.64
OG17041-CALG	50	1.400354E+08	2800708.000	8.64
OG17041-CALH	100	2.470503E+08	2470503.000	8.64
OG17041-CALI	200	5.225974E+08	2612987.000	8.64

AVE RF 2950155.000 **RF RSD** 19.27 **AVE RT** 8.64

Element Calibration Review Sheet

Calibration ID: **AOG2005**

Instrument: **DUALECD8**

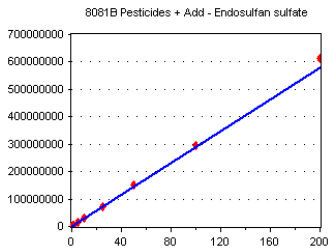
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

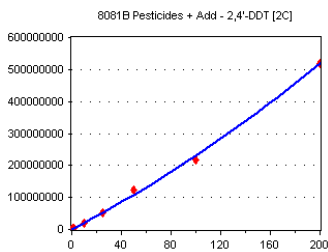


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1519491	3038982.000	8.71
OG17041-CAL2	1	2784647	2784647.000	8.71
OG17041-CAL3	2	5171692	2585846.000	8.70
OG17041-CAL4	5	1.403272E+07	2806544.000	8.70
OG17041-CAL5	10	2.97515E+07	2975150.000	8.70
OG17041-CAL6	25	7.135766E+07	2854307.000	8.70
OG17041-CAL7	50	1.49851E+08	2997020.000	8.70
OG17041-CAL8	100	2.953007E+08	2953007.000	8.70
OG17041-CAL9	200	6.143307E+08	3071654.000	8.70

AVE RF 2896351.000 **RF RSD** 5.31 **AVE RT** 8.70

2,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

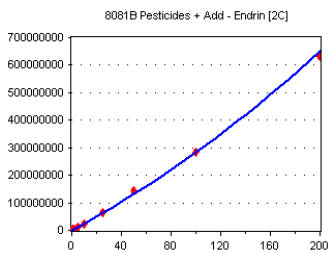


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1387580	2775160.000	8.81
OG17041-CALB	1	2602143	2602143.000	8.81
OG17041-CALC	2	4124073	2062037.000	8.81
OG17041-CALE	10	1.924111E+07	1924111.000	8.81
OG17041-CALF	25	5.266689E+07	2106676.000	8.81
OG17041-CALG	50	1.23969E+08	2479380.000	8.81
OG17041-CALH	100	2.177488E+08	2177488.000	8.81
OG17041-CALI	200	5.178527E+08	2589264.000	8.81

AVE RF 2339532.000 **RF RSD** 13.23 **AVE RT** 8.81

Endrin [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

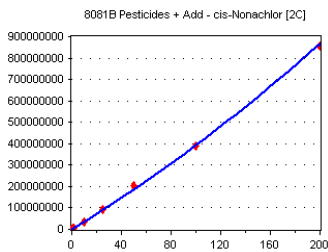


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1336331	2672662.000	8.81
OG17041-CAL2	1	2506800	2506800.000	8.81
OG17041-CAL3	2	4136332	2068166.000	8.81
OG17041-CAL4	5	1.222397E+07	2444794.000	8.81
OG17041-CAL5	10	2.423844E+07	2423844.000	8.81
OG17041-CAL6	25	6.593539E+07	2637416.000	8.81
OG17041-CAL7	50	1.456464E+08	2912928.000	8.81
OG17041-CAL8	100	2.853349E+08	2853349.000	8.81
OG17041-CAL9	200	6.309578E+08	3154789.000	8.81

AVE RF 2630528.000 **RF RSD** 12.13 **AVE RT** 8.81

cis-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	2337639	4675278.000	8.85
OG17041-CALB	1	4492264	4492264.000	8.85
OG17041-CALC	2	7162885	3581443.000	8.85
OG17041-CALE	10	3.369518E+07	3369518.000	8.85
OG17041-CALF	25	9.026936E+07	3610775.000	8.85
OG17041-CALG	50	2.052828E+08	4105656.000	8.85
OG17041-CALH	100	3.884252E+08	3884252.000	8.85
OG17041-CALI	200	8.566893E+08	4283447.000	8.85

AVE RF 4000329.000 **RF RSD** 11.68 **AVE RT** 8.85

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

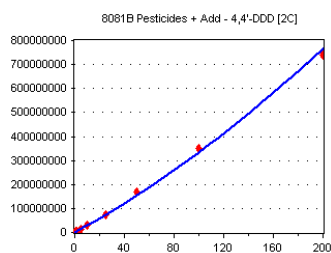
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

4,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

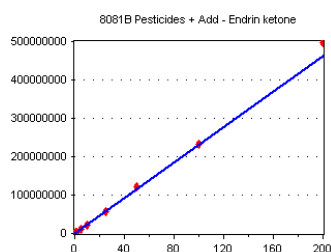


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1463902	2927804.000	8.85
OG17041-CAL2	1	2703896	2703896.000	8.85
OG17041-CAL3	2	5447533	2723767.000	8.85
OG17041-CAL4	5	1.39115E+07	2782300.000	8.85
OG17041-CAL5	10	2.8754E+07	2875400.000	8.85
OG17041-CAL6	25	7.357032E+07	2942813.000	8.85
OG17041-CAL7	50	1.702461E+08	3404922.000	8.85
OG17041-CAL8	100	3.509548E+08	3509548.000	8.85
OG17041-CAL9	200	7.375275E+08	3687638.000	8.85

AVE RF 3062010.000 **RF RSD** 12.09 **AVE RT** 8.85

Endrin ketone

Curve Fit: **AVERAGE RF**

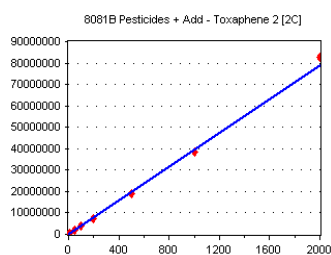


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1364571	2729142.000	8.90
OG17041-CAL2	1	2404758	2404758.000	8.90
OG17041-CAL3	2	3933660	1966830.000	8.90
OG17041-CAL4	5	1.045138E+07	2090276.000	8.90
OG17041-CAL5	10	2.113332E+07	2113332.000	8.90
OG17041-CAL6	25	5.600807E+07	2240323.000	8.90
OG17041-CAL7	50	1.220677E+08	2441354.000	8.90
OG17041-CAL8	100	2.334775E+08	2334775.000	8.90
OG17041-CAL9	200	4.964796E+08	2482398.000	8.89

AVE RF 2311465.000 **RF RSD** 10.17 **AVE RT** 8.90

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

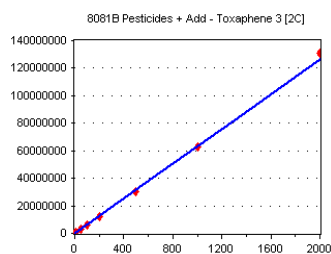


Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	413915	41391.500	8.90
OG17041-CALR	50	1974286	39485.720	8.90
OG17041-CALS	100	3932330	39323.300	8.90
OG17041-CALT	200	7444456	37222.280	8.90
OG17041-CALU	500	1.886555E+07	37731.100	8.90
OG17041-CALV	1000	3.850567E+07	38505.670	8.90
OG17041-CALW	2000	8.283742E+07	41418.710	8.90

AVE RF 39296.900 **RF RSD** 4.20 **AVE RT** 8.90

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	723456	72345.600	8.94
OG17041-CALR	50	3092409	61848.180	8.94
OG17041-CALS	100	6129499	61294.990	8.94
OG17041-CALT	200	1.17729E+07	58864.500	8.94
OG17041-CALU	500	3.008691E+07	60173.820	8.93
OG17041-CALV	1000	6.259633E+07	62596.330	8.94
OG17041-CALW	2000	1.310664E+08	65533.200	8.94

AVE RF 63236.660 **RF RSD** 7.16 **AVE RT** 8.93

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

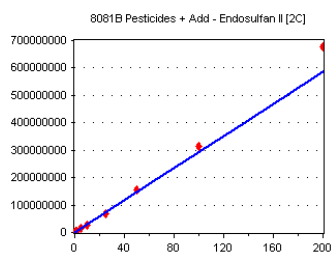
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

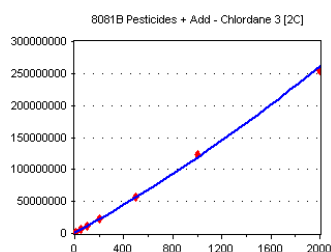


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1559202	3118404.000	8.96
OG17041-CAL2	1	2802726	2802726.000	8.96
OG17041-CAL3	2	5379985	2689993.000	8.96
OG17041-CAL4	5	1.356068E+07	2712136.000	8.96
OG17041-CAL5	10	2.715929E+07	2715929.000	8.96
OG17041-CAL6	25	6.817066E+07	2726826.000	8.96
OG17041-CAL7	50	1.56437E+08	3128740.000	8.96
OG17041-CAL8	100	3.131203E+08	3131203.000	8.96
OG17041-CAL9	200	6.755727E+08	3377863.000	8.96

AVE RF 2933758.000 **RF RSD** 8.73 **AVE RT** 8.96

Chlordane 3 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

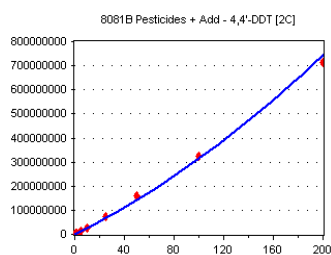


Standard	Concentration	Response	Response Factor	RT
OG17041-CALJ	10	2118453	211845.300	8.99
OG17041-CALK	50	5973393	119467.900	8.99
OG17041-CALL	100	1.177501E+07	117750.100	8.99
OG17041-CALM	200	2.34146E+07	117073.000	8.99
OG17041-CALN	500	5.732831E+07	114656.600	8.99
OG17041-CALO	1000	1.238636E+08	123863.600	8.99
OG17041-CALP	2000	2.553117E+08	127655.900	8.99

AVE RF 133187.500 **RF RSD** 26.25 **AVE RT** 8.99

4,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

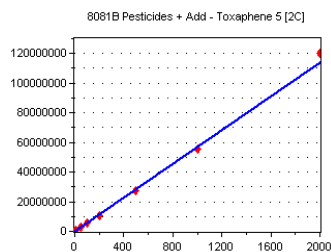


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1394118	2788236.000	9.08
OG17041-CAL2	1	2566263	2566263.000	9.08
OG17041-CAL3	2	4320498	2160249.000	9.08
OG17041-CAL4	5	1.267457E+07	2534914.000	9.08
OG17041-CAL5	10	2.590962E+07	2590962.000	9.08
OG17041-CAL6	25	7.213282E+07	2885313.000	9.08
OG17041-CAL7	50	1.593146E+08	3186292.000	9.08
OG17041-CAL8	100	3.247194E+08	3247194.000	9.08
OG17041-CAL9	200	7.131156E+08	3565578.000	9.07

AVE RF 2836111.000 **RF RSD** 15.31 **AVE RT** 9.08

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	645897	64589.700	9.18
OG17041-CALR	50	2784741	55694.820	9.18
OG17041-CALS	100	5437553	54375.530	9.18
OG17041-CALT	200	1.050812E+07	52540.600	9.18
OG17041-CALU	500	2.718028E+07	54360.560	9.18
OG17041-CALV	1000	5.566532E+07	55665.320	9.18
OG17041-CALW	2000	1.204045E+08	60202.250	9.18

AVE RF 56775.540 **RF RSD** 7.36 **AVE RT** 9.18

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

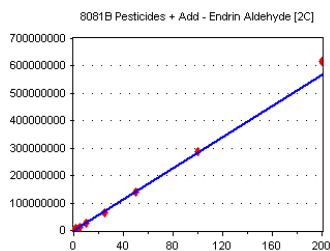
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Endrin Aldehyde [2C]

Curve Fit: **AVERAGE RF**

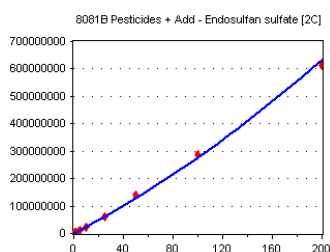


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1632480	3264960.000	9.20
OG17041-CAL2	1	3023816	3023816.000	9.20
OG17041-CAL3	2	5804760	2902380.000	9.20
OG17041-CAL4	5	1.308309E+07	2616618.000	9.20
OG17041-CAL5	10	2.540718E+07	2540718.000	9.20
OG17041-CAL6	25	6.358951E+07	2543581.000	9.19
OG17041-CAL7	50	1.394041E+08	2788082.000	9.19
OG17041-CAL8	100	2.859794E+08	2859794.000	9.19
OG17041-CAL9	200	6.162067E+08	3081034.000	9.19

AVE RF 2846776.000 **RF RSD** 8.84 **AVE RT** 9.19

Endosulfan sulfate [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

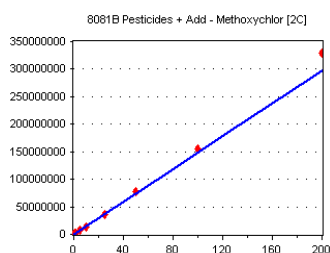


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1337833	2675666.000	9.39
OG17041-CAL2	1	2448888	2448888.000	9.39
OG17041-CAL3	2	4537613	2268807.000	9.39
OG17041-CAL4	5	1.196136E+07	2392272.000	9.39
OG17041-CAL5	10	2.387838E+07	2387838.000	9.39
OG17041-CAL6	25	6.196284E+07	2478514.000	9.39
OG17041-CAL7	50	1.39601E+08	2792020.000	9.38
OG17041-CAL8	100	2.878598E+08	2878598.000	9.38
OG17041-CAL9	200	6.125825E+08	3062913.000	9.38

AVE RF 2598391.000 **RF RSD** 10.27 **AVE RT** 9.39

Methoxychlor [2C]

Curve Fit: **AVERAGE RF**

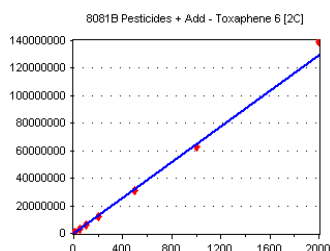


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	832289	1664578.000	9.56
OG17041-CAL2	1	1501062	1501062.000	9.56
OG17041-CAL3	2	2499381	1249691.000	9.56
OG17041-CAL4	5	7089165	1417833.000	9.56
OG17041-CAL5	10	1.337715E+07	1337715.000	9.56
OG17041-CAL6	25	3.510345E+07	1404138.000	9.56
OG17041-CAL7	50	7.830758E+07	1566152.000	9.56
OG17041-CAL8	100	1.554239E+08	1554239.000	9.56
OG17041-CAL9	200	3.299426E+08	1649713.000	9.55

AVE RF 1482791.000 **RF RSD** 9.51 **AVE RT** 9.56

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OG17041-CALQ	10	734974	73497.400	9.56
OG17041-CALR	50	3145055	62901.100	9.56
OG17041-CALS	100	6294054	62940.540	9.56
OG17041-CALT	200	1.196682E+07	59834.100	9.56
OG17041-CALU	500	3.072976E+07	61459.520	9.56
OG17041-CALV	1000	6.310278E+07	63102.780	9.56
OG17041-CALW	2000	1.389965E+08	69498.250	9.56

AVE RF 64747.670 **RF RSD** 7.55 **AVE RT** 9.56

Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

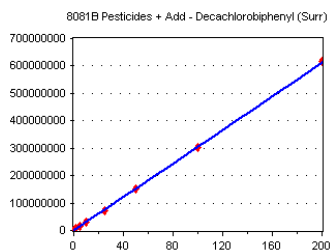
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20071**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

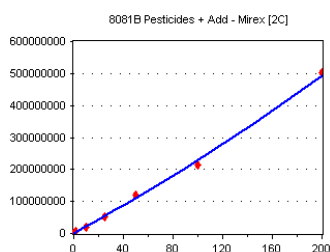


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	2181303	4362606.000	9.60
OG17041-CAL2	1	3741875	3741875.000	9.60
OG17041-CAL3	2	6703802	3351901.000	9.60
OG17041-CAL4	5	1.62722E+07	3254440.000	9.60
OG17041-CAL5	10	3.143066E+07	3143066.000	9.60
OG17041-CAL6	25	7.361222E+07	2944489.000	9.59
OG17041-CAL7	50	1.504061E+08	3008122.000	9.60
OG17041-CAL8	100	3.02801E+08	3028010.000	9.59
OG17041-CAL9	200	6.177546E+08	3088773.000	9.59

AVE RF 3324809.000 **RF RSD** 13.78 **AVE RT** 9.60

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

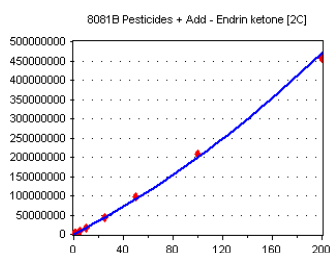


Standard	Concentration	Response	Response Factor	RT
OG17041-CALA	0.5	1857129	3714258.000	9.78
OG17041-CALB	1	3252585	3252585.000	9.78
OG17041-CALC	2	5097573	2548787.000	9.78
OG17041-CALE	10	2.062556E+07	2062556.000	9.78
OG17041-CALF	25	5.297699E+07	2119080.000	9.78
OG17041-CALG	50	1.183936E+08	2367872.000	9.78
OG17041-CALH	100	2.148627E+08	2148627.000	9.78
OG17041-CALI	200	5.038532E+08	2519266.000	9.78

AVE RF 2591629.000 **RF RSD** 22.85 **AVE RT** 9.78

Endrin ketone [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

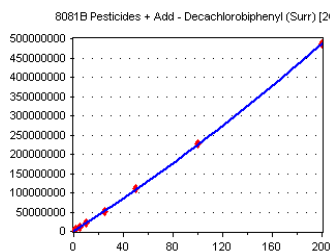


Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1021475	2042950.000	9.79
OG17041-CAL2	1	1779672	1779672.000	9.79
OG17041-CAL3	2	3243527	1621764.000	9.79
OG17041-CAL4	5	8022001	1604400.000	9.79
OG17041-CAL5	10	1.702441E+07	1702441.000	9.79
OG17041-CAL6	25	4.382991E+07	1753197.000	9.79
OG17041-CAL7	50	9.75526E+07	1951052.000	9.79
OG17041-CAL8	100	2.072611E+08	2072611.000	9.79
OG17041-CAL9	200	4.564564E+08	2282282.000	9.79

AVE RF 1867819.000 **RF RSD** 12.41 **AVE RT** 9.79

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OG17041-CAL1	0.5	1522119	3044238.000	10.66
OG17041-CAL2	1	2571519	2571519.000	10.66
OG17041-CAL3	2	4769423	2384712.000	10.66
OG17041-CAL4	5	1.090535E+07	2181070.000	10.66
OG17041-CAL5	10	2.077548E+07	2077548.000	10.66
OG17041-CAL6	25	5.011335E+07	2004534.000	10.66
OG17041-CAL7	50	1.104145E+08	2208290.000	10.66
OG17041-CAL8	100	2.265388E+08	2265388.000	10.66
OG17041-CAL9	200	4.851787E+08	2425894.000	10.66

AVE RF 2351466.000 **RF RSD** 13.34 **AVE RT** 10.66

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G17041

Analysis Included

1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additional
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pesticides (DDT Only)
608.3 Pesticides (SW)
608.3 Pesticides (SW) Full List
608.3 Pesticides (TTO)
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G17041

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0G17041-ICB1	Initial Cal Blank	Water	A20F379		7/17/2020 6:08:00PM
0G17041-CAL1	Cal Standard	Water	A20G268	"	7/17/2020 6:24:00PM
0G17041-CAL2	Cal Standard	Water	A20G269	"	7/17/2020 6:41:00PM
0G17041-CAL3	Cal Standard	Water	A20C179	"	7/17/2020 6:57:00PM
0G17041-CAL4	Cal Standard	Water	A20C180	"	7/17/2020 7:14:00PM
0G17041-CAL5	Cal Standard	Water	A20C181	"	7/17/2020 7:30:00PM
0G17041-CAL6	Cal Standard	Water	A20C182	"	7/17/2020 7:47:00PM
0G17041-CAL7	Cal Standard	Water	A20E232	"	7/17/2020 8:03:00PM
0G17041-CAL8	Cal Standard	Water	A20E233	"	7/17/2020 8:20:00PM
0G17041-CAL9	Cal Standard	Water	A20C177	"	7/17/2020 8:37:00PM
0G17041-ICV1	Initial Cal Check	Water	A20C164	"	7/17/2020 9:10:00PM
0G17041-CALA	Cal Standard	Water	A20G270	"	7/17/2020 9:26:00PM
0G17041-CALB	Cal Standard	Water	A20C353	"	7/17/2020 9:43:00PM
0G17041-CALC	Cal Standard	Water	A20C354	"	7/17/2020 9:59:00PM
0G17041-CALD	Cal Standard	Water	A20C355	"	7/17/2020 10:16:00PM
0G17041-CALE	Cal Standard	Water	A20C356	"	7/17/2020 10:32:00PM
0G17041-CALF	Cal Standard	Water	A20C357	"	7/17/2020 10:49:00PM
0G17041-CALG	Cal Standard	Water	A20C358	"	7/17/2020 11:05:00PM
0G17041-CALH	Cal Standard	Water	A20C359	"	7/17/2020 11:22:00PM
0G17041-CALI	Cal Standard	Water	A20C352	"	7/17/2020 11:38:00PM
0G17041-ICV2	Initial Cal Check	Water	A20C360	"	7/18/2020 12:11:00AM
0G17041-CALJ	Cal Standard	Water	A20G271	"	7/18/2020 12:28:00AM
0G17041-CALK	Cal Standard	Water	A20F057	"	7/18/2020 12:45:00AM
0G17041-CALL	Cal Standard	Water	A20F058	"	7/18/2020 1:01:00AM
0G17041-CALM	Cal Standard	Water	A20F059	"	7/18/2020 1:18:00AM
0G17041-CALN	Cal Standard	Water	A20F060	"	7/18/2020 1:34:00AM
0G17041-CALO	Cal Standard	Water	A20F061	"	7/18/2020 1:51:00AM
0G17041-CALP	Cal Standard	Water	A20F056	"	7/18/2020 2:07:00AM
0G17041-ICV3	Initial Cal Check	Water	A20F062	"	7/18/2020 2:40:00AM
0G17041-CALQ	Cal Standard	Water	A20G272	"	7/18/2020 2:57:00AM
0G17041-CALR	Cal Standard	Water	A20F064	"	7/18/2020 3:13:00AM
0G17041-CALS	Cal Standard	Water	A20F065	"	7/18/2020 3:30:00AM
0G17041-CALT	Cal Standard	Water	A20F066	"	7/18/2020 3:46:00AM
0G17041-CALU	Cal Standard	Water	A20D430	"	7/18/2020 4:03:00AM
0G17041-CALV	Cal Standard	Water	A20D431	"	7/18/2020 4:19:00AM
0G17041-CALW	Cal Standard	Water	A20F063	"	7/18/2020 4:36:00AM
0G17041-ICV4	Initial Cal Check	Water	A20F067	"	7/18/2020 5:09:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0G2005**

Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg L

Sequence: **0G17041**

Matrix: **Water**

0G17041-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G17041

0G17041-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0G17041-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G17041

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: **A0G2005**

Instrument: **DUALECD8F**

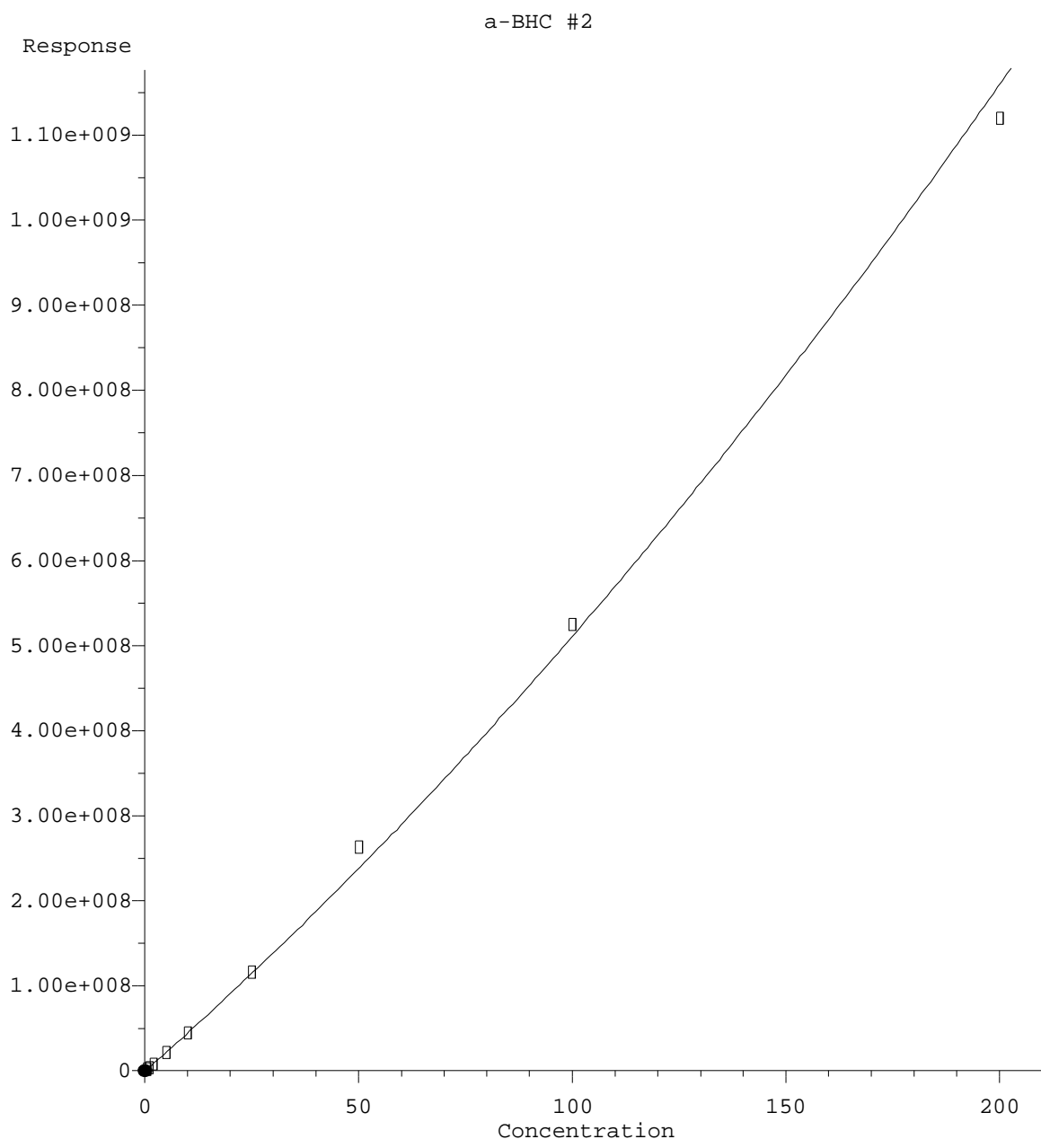
608.3 Pesticides

Sequence: **0G17041**

Matrix: **Water**

0G17041-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
0G17041-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual
0G17041-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual
0G17041-ICV4	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

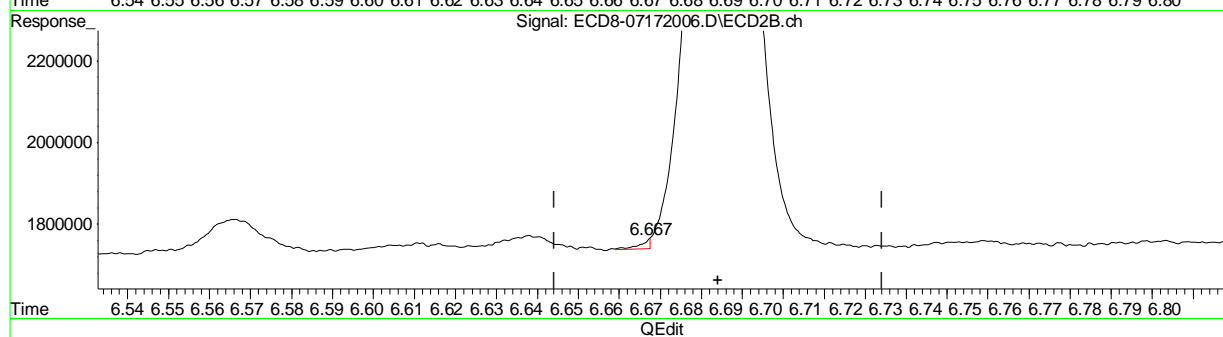
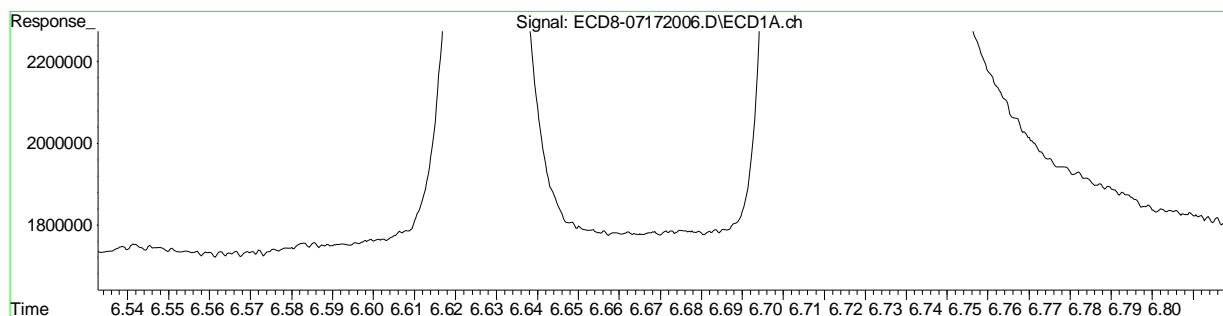


$R = 6.93e+003 A^2 + 4.42e+006 A - 1.80e+005$
 Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



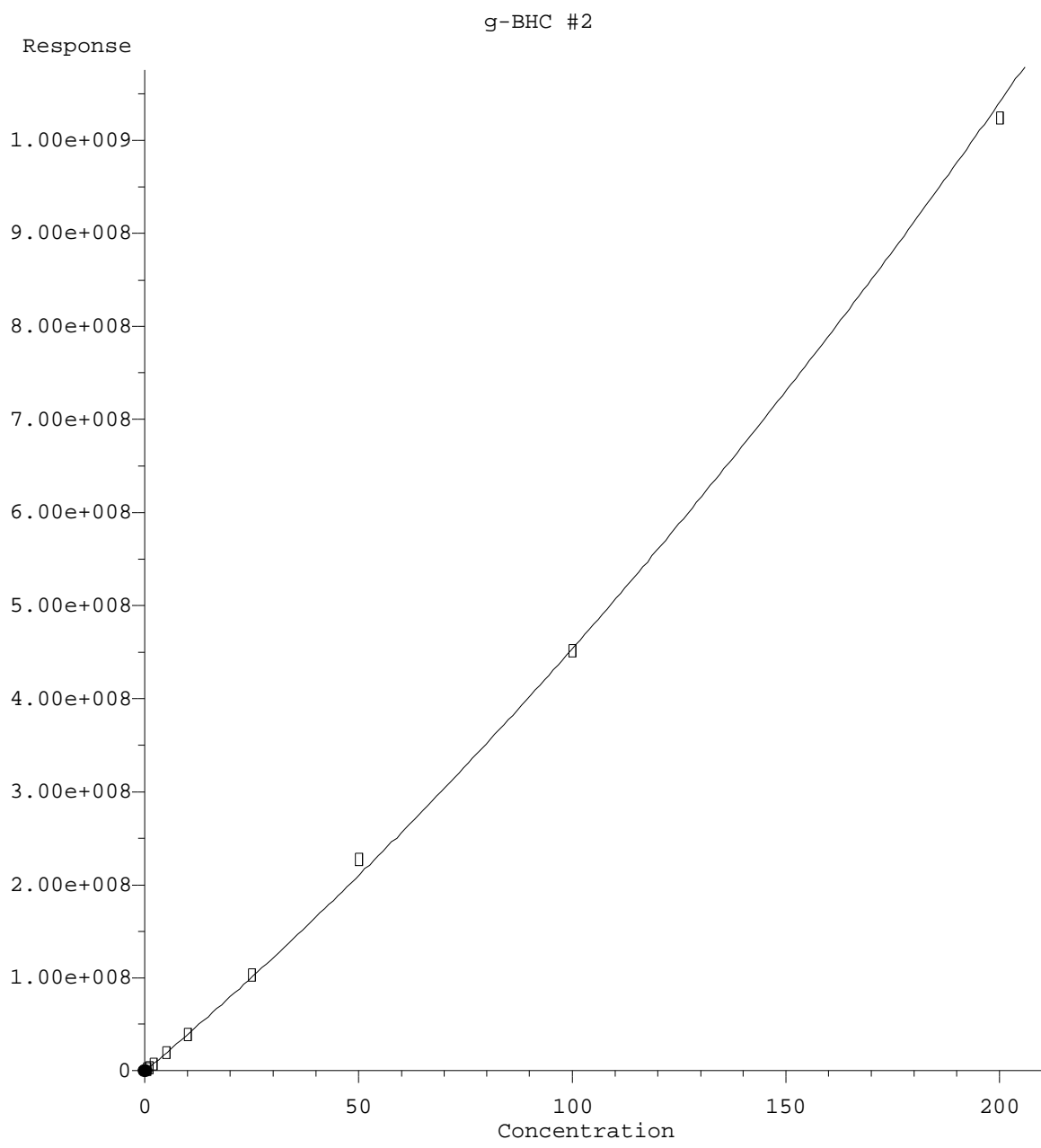
(2) a-BHC
5.933min 0.498 ng/mL
response 2450601

MJB 7/20/20

(2) a-BHC #2
6.667min 0.046 ng/mL m
response 23914

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:17:52 2020

Page: 1

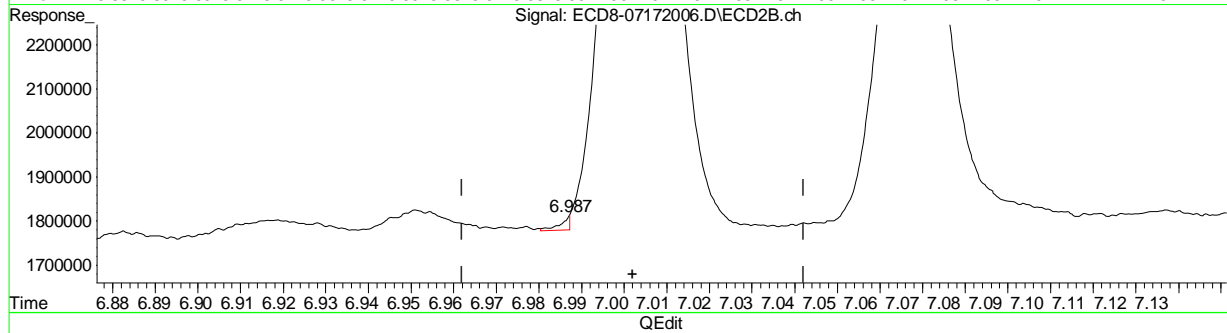
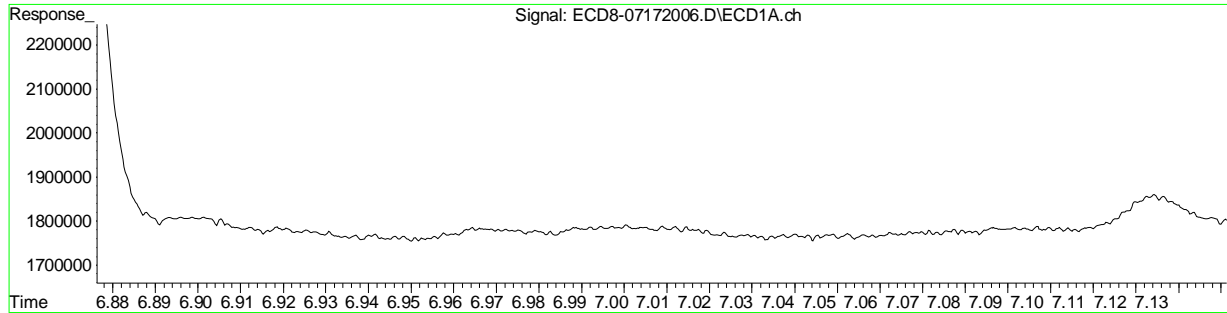


$R = 6.71e+003 A^2 + 3.86e+006 A + 4.13e+003$
 Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(3) g-BHC
6.219min 0.520 ng/mL
response 2300594

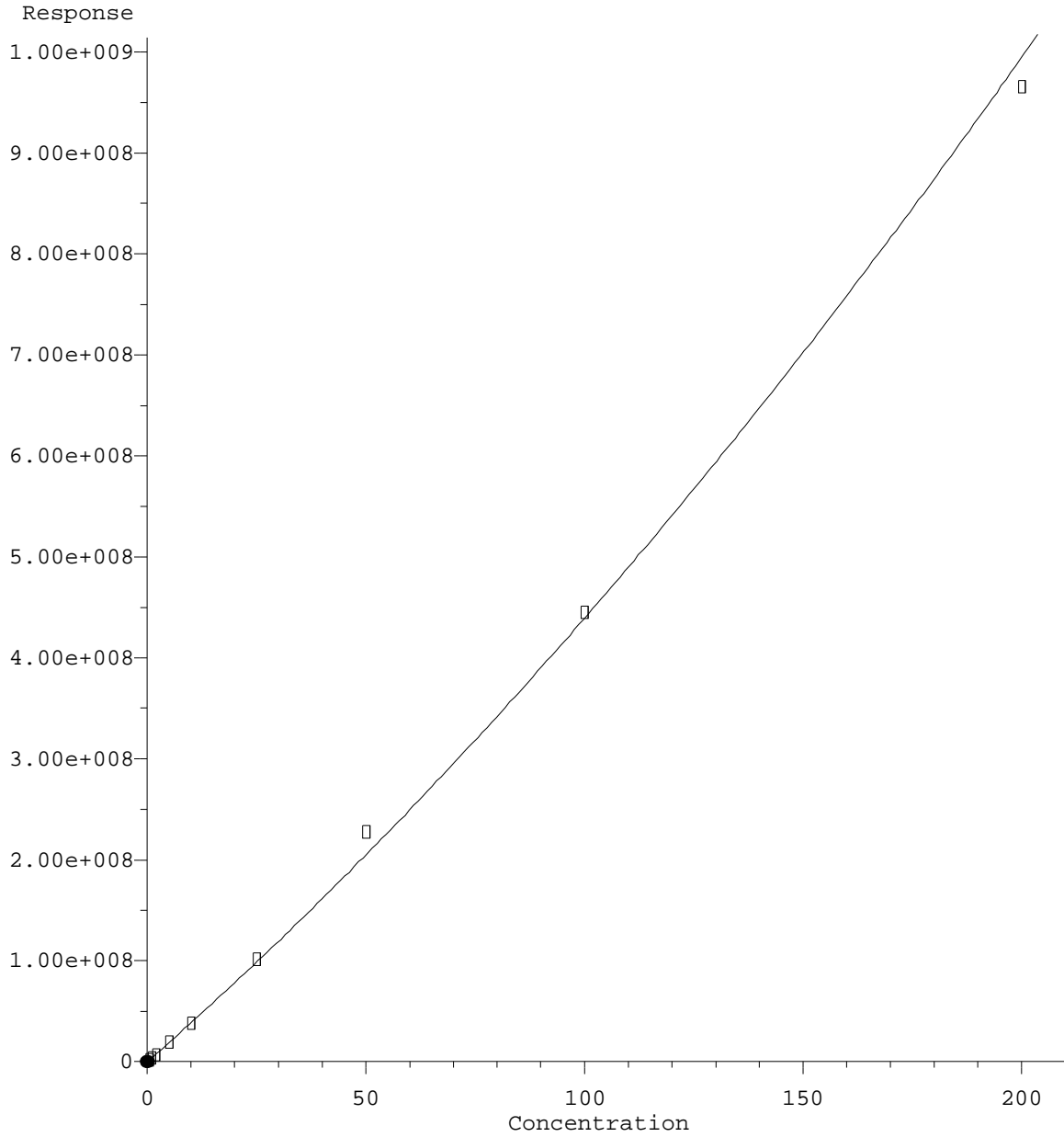
MJB 7/20/20

(3) g-BHC #2
6.987min 0.007 ng/mL m
response 31275

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:18:11 2020

Page: 1

Heptachlor #2

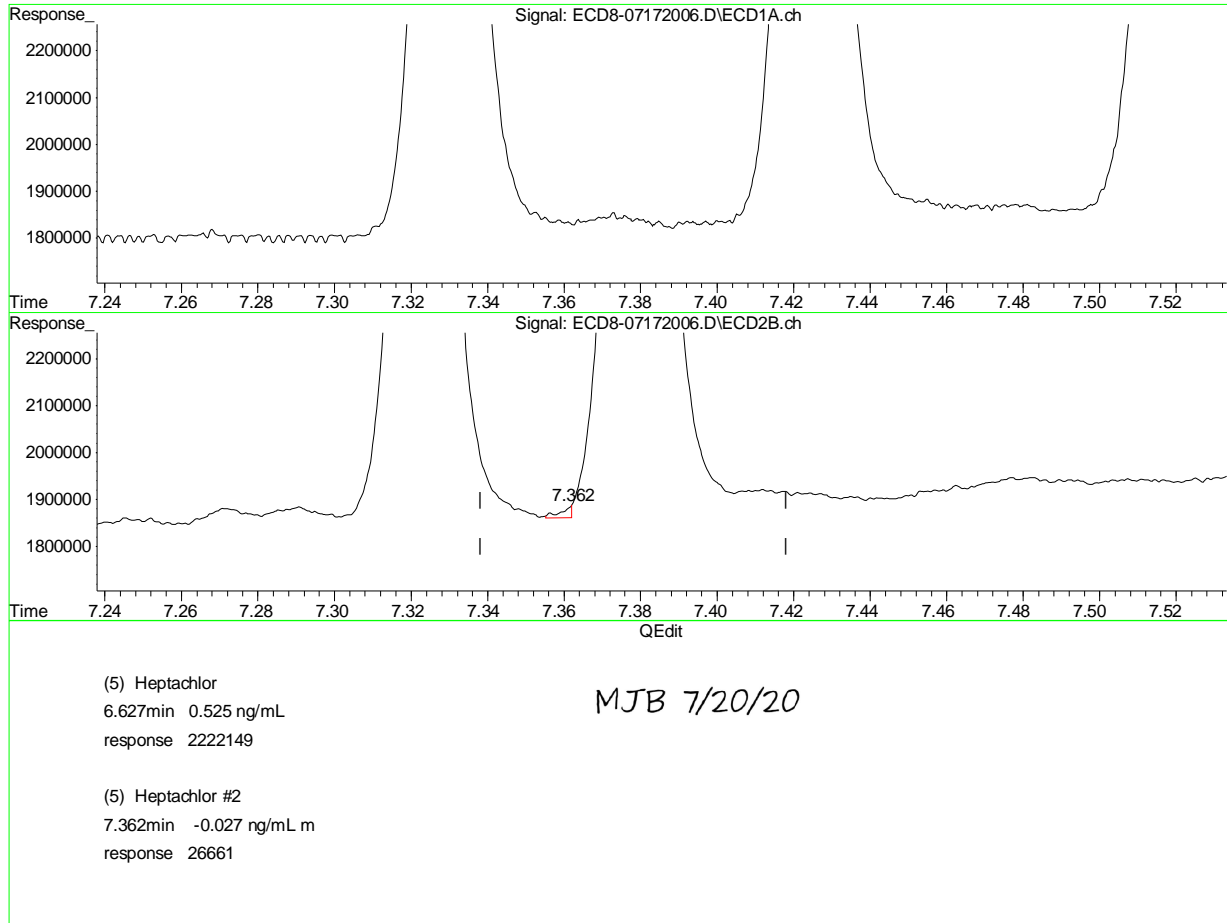


R = 5.85e+003 A*A + 3.81e+006 A + 1.29e+005
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

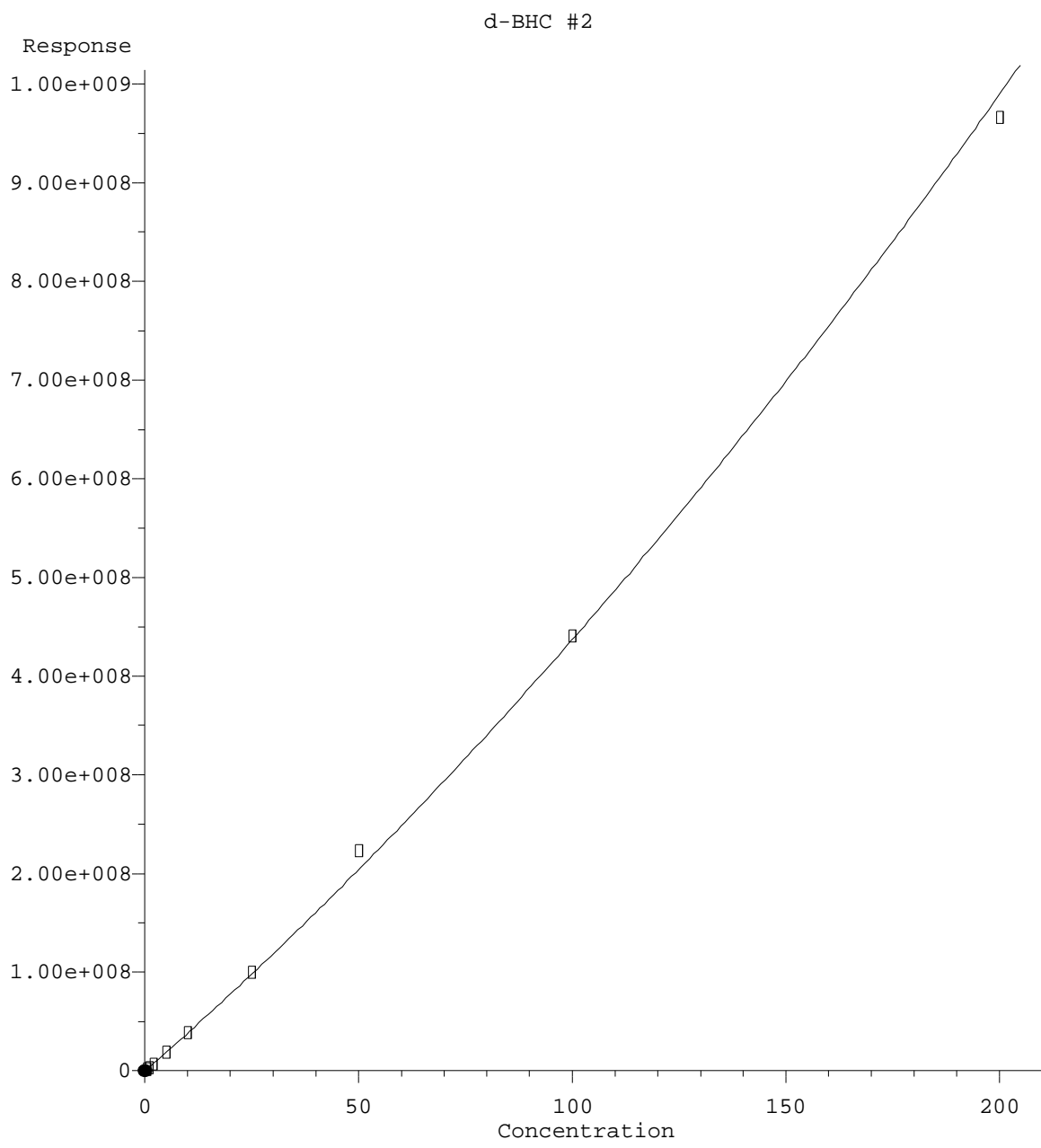
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:18:24 2020

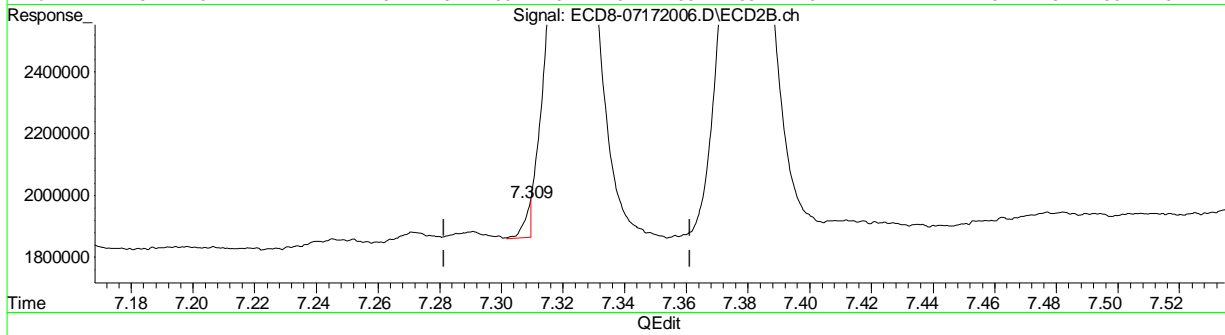
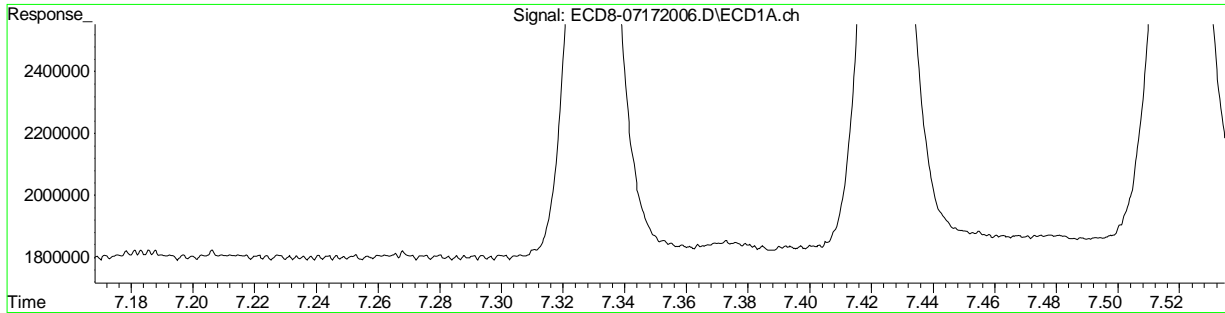


$R = 5.80e+003 A^2 + 3.79e+006 A - 1.22e+005$
 Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

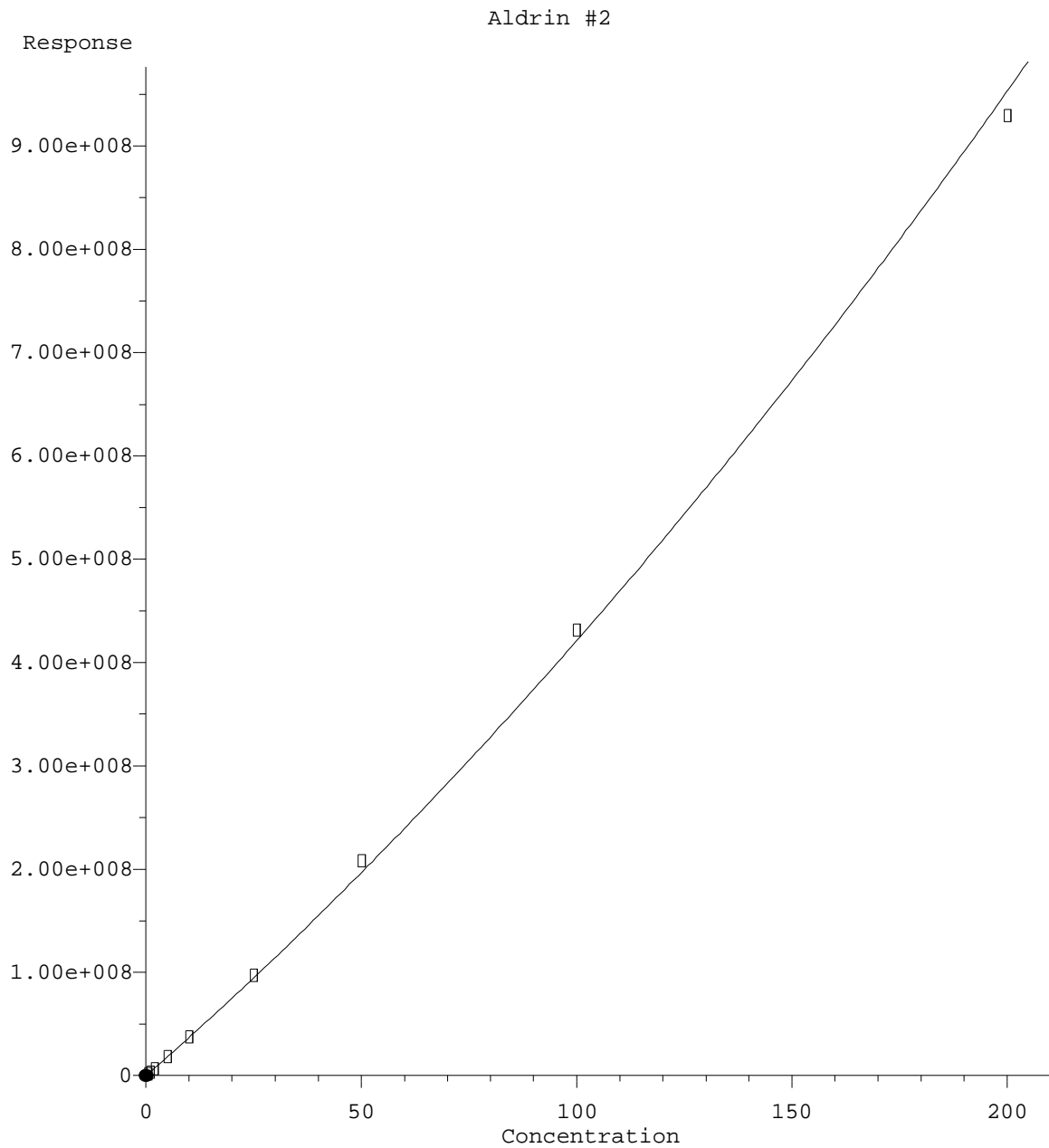
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(6) d-BHC
6.449min 0.499 ng/mL
response 2058451

MJB 7/20/20

(6) d-BHC #2
7.309min 0.062 ng/mL m
response 114323

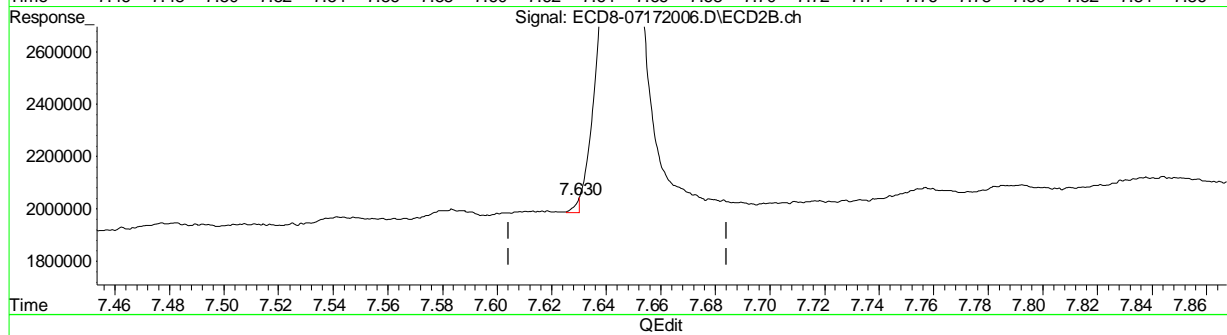
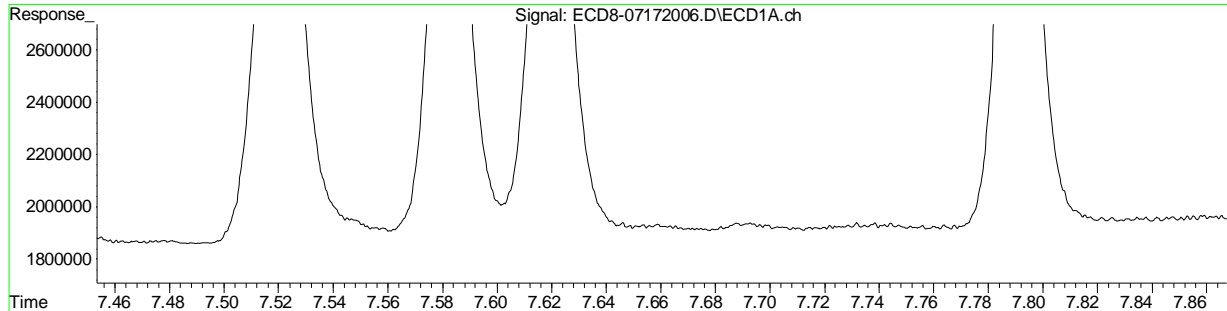


$R = 5.57e+003 A^2 + 3.65e+006 A + 3.35e+004$
 Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

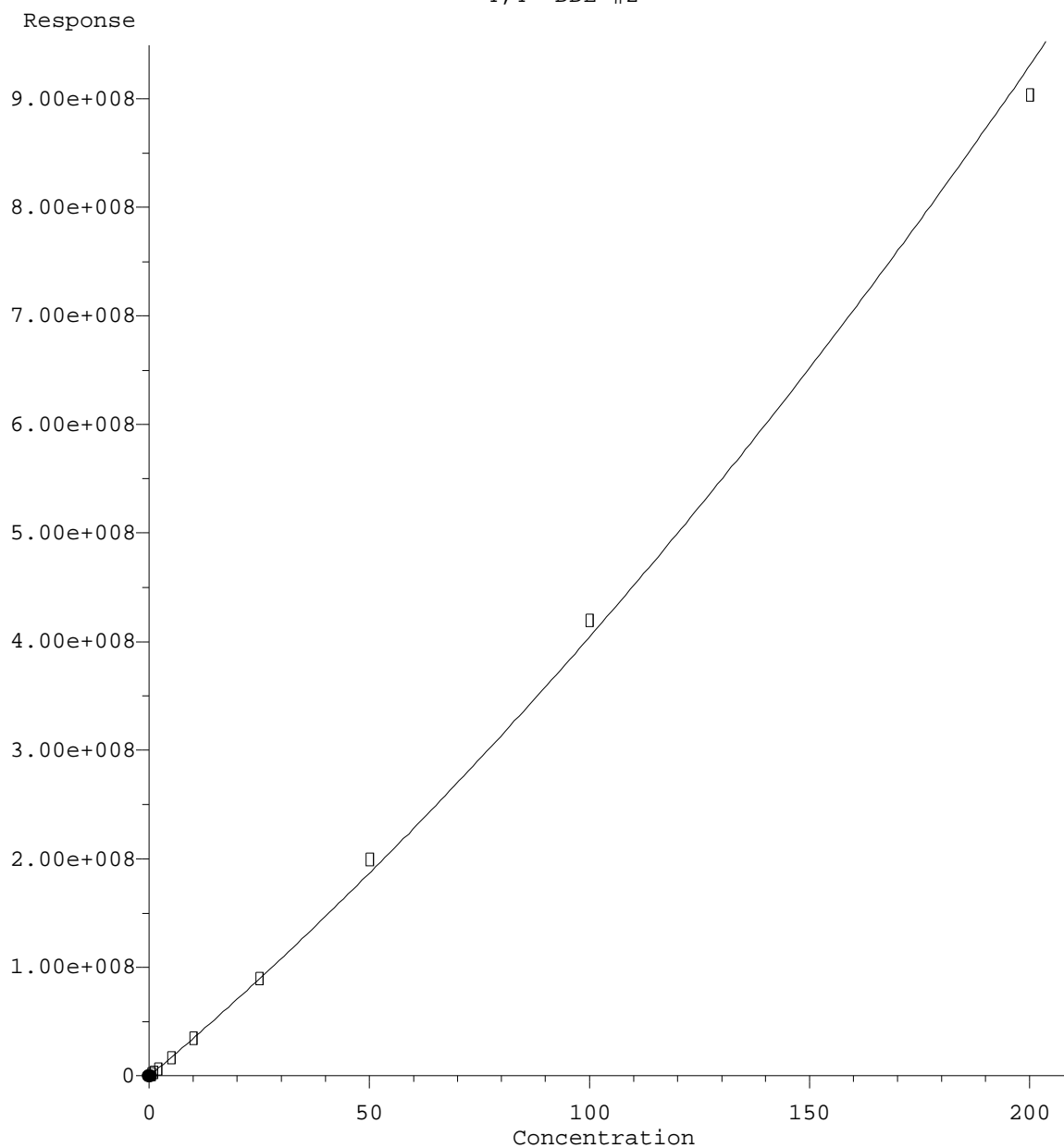
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Retention Time (min)	Concentration (ng/mL)	Response
(7) Aldrin	0.524	2287325
(7) Aldrin #2	0.006	55294

MJB 7/20/20

4,4'-DDE #2

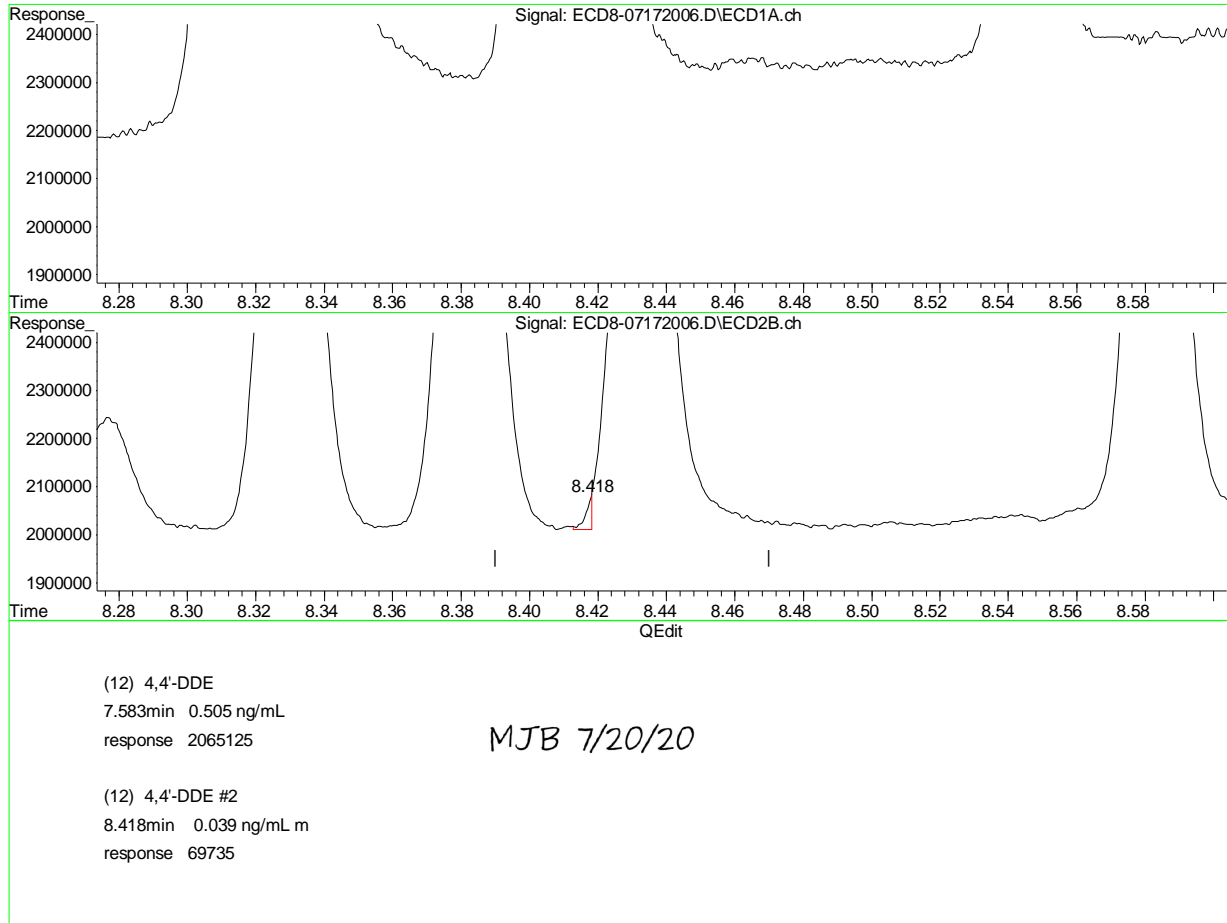


R = 6.12e+003 A*A + 3.43e+006 A - 6.34e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

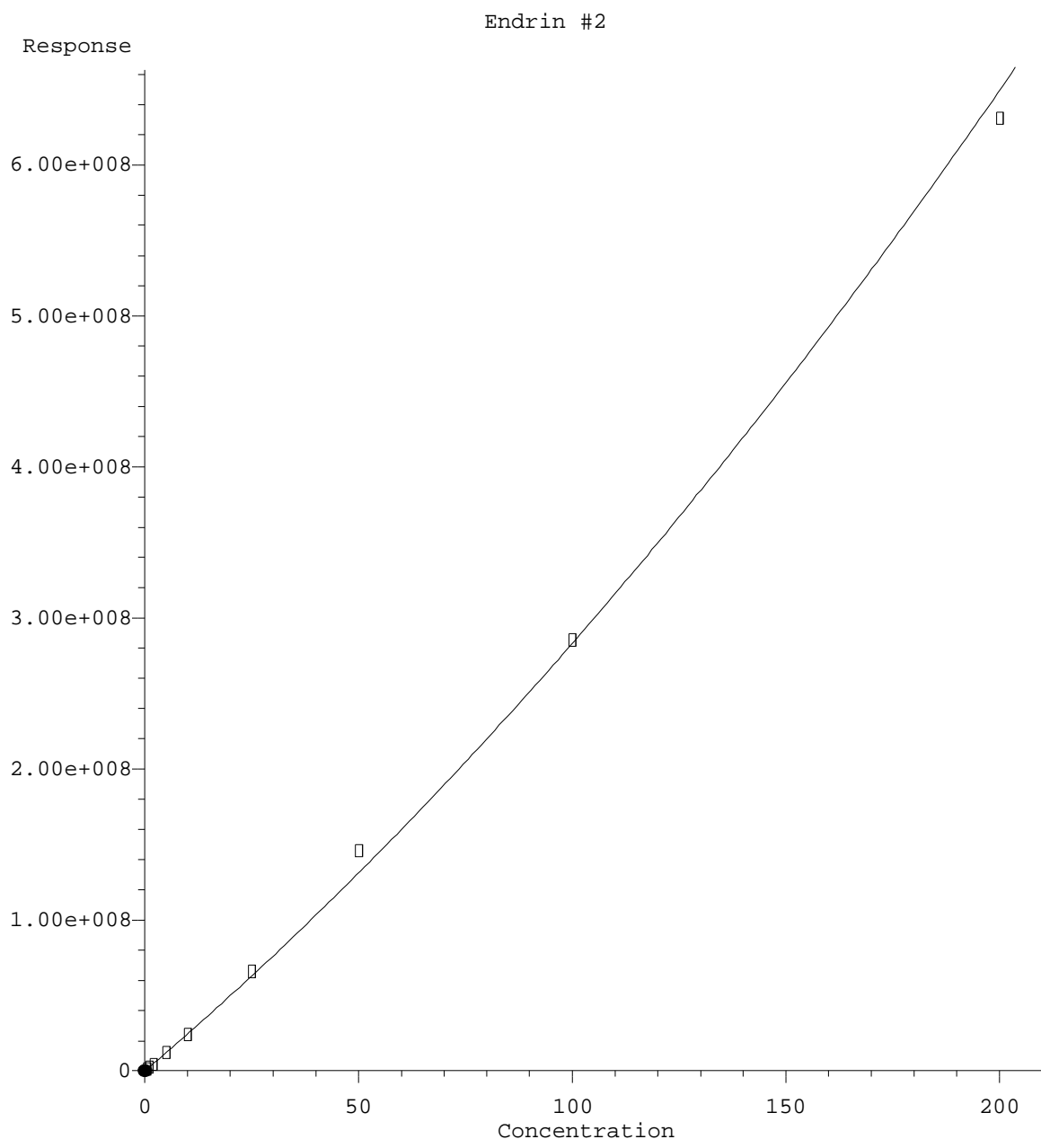
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:18:59 2020

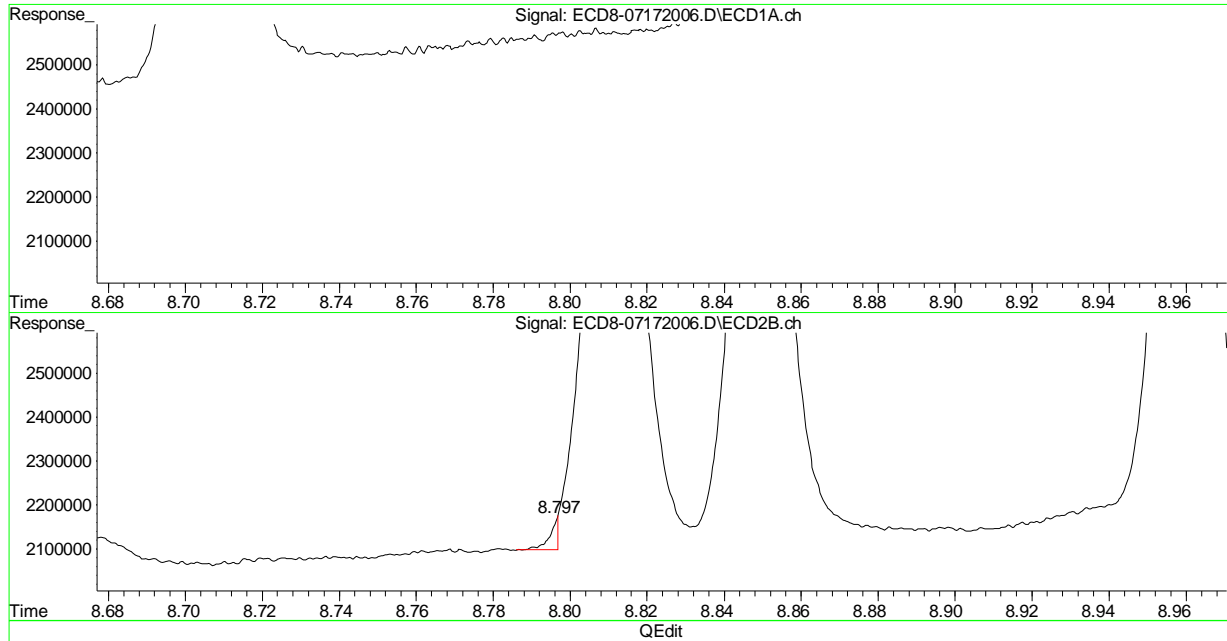


$R = 4.18e+003 A^2 + 2.41e+006 A + 8.32e+004$
 Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation

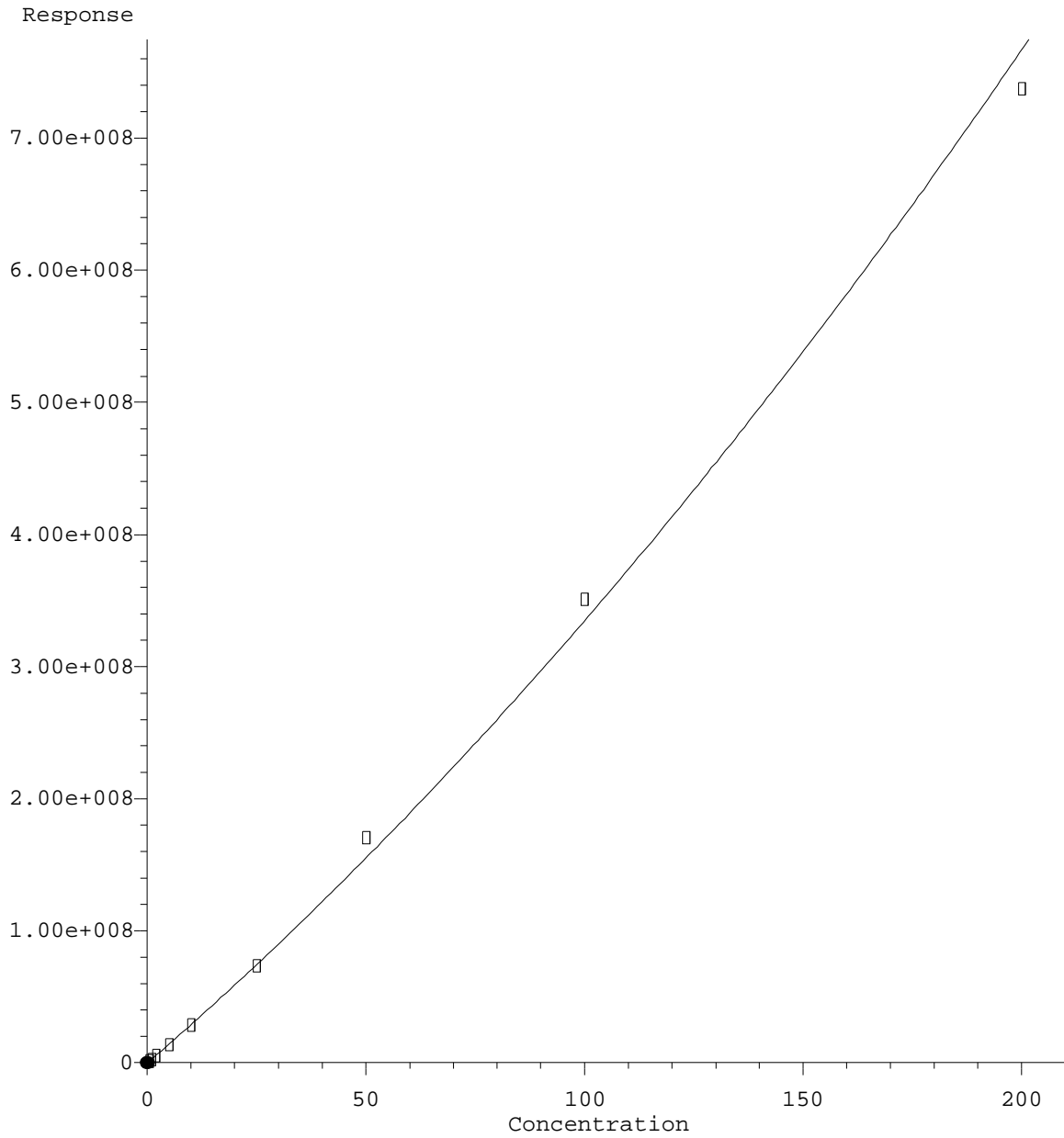


(14) Endrin
7.956min 0.515 ng/mL
response 1557812

MJB 7/20/20

(14) Endrin #2
8.797min -0.004 ng/mL m
response 74338

4,4'-DDD #2

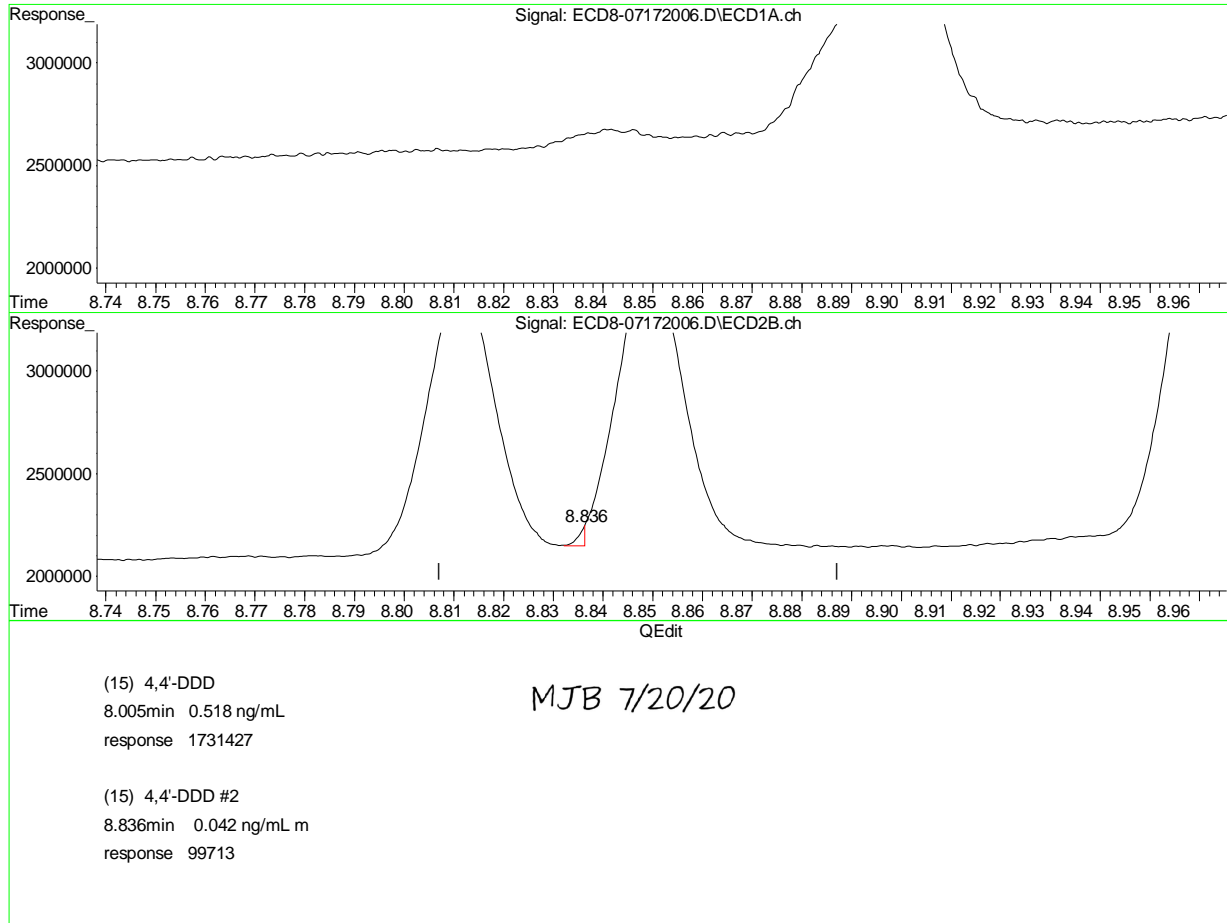


R = 4.89e+003 A*A + 2.86e+006 A - 2.09e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

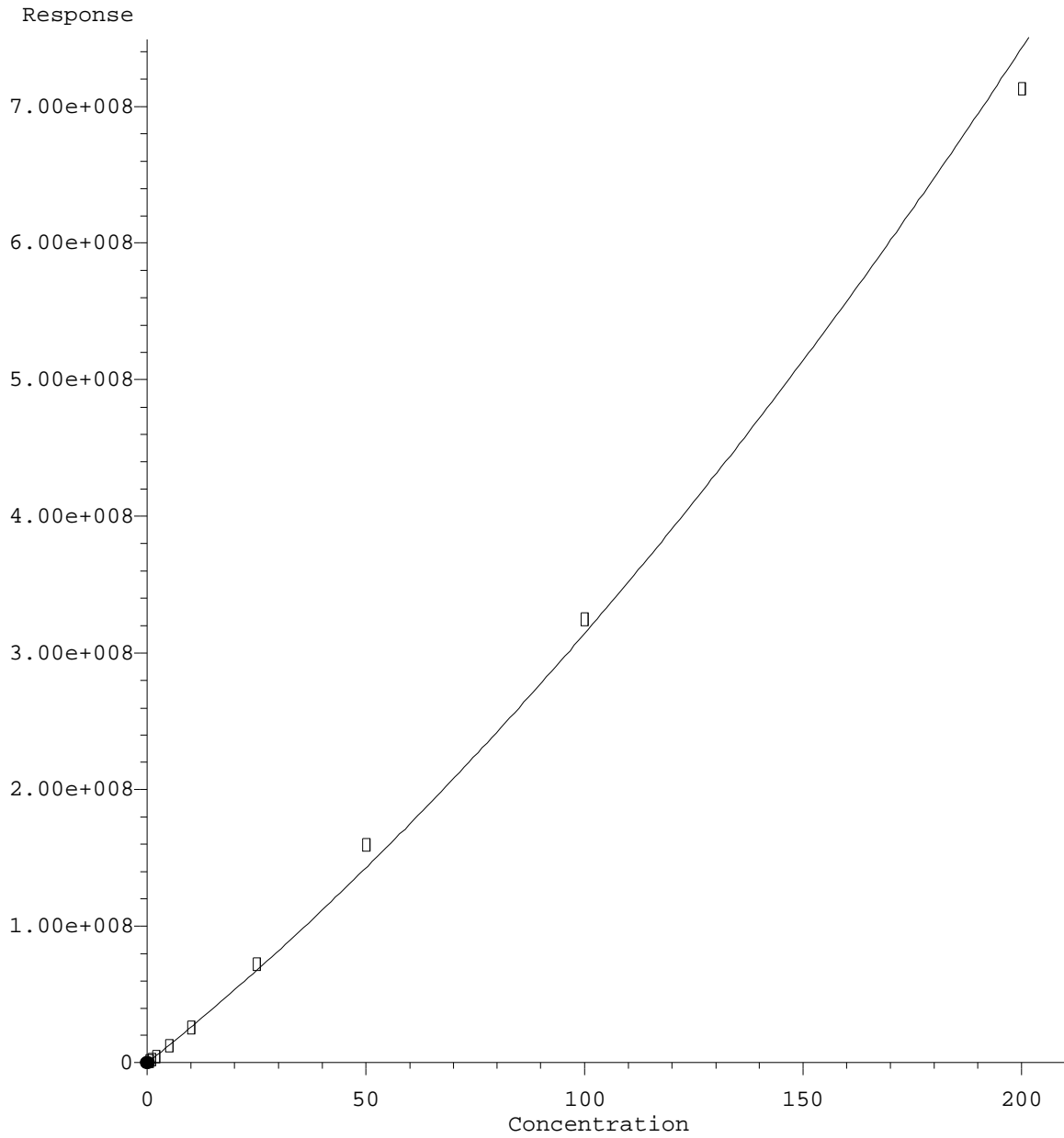
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:19:26 2020

4,4'-DDT #2

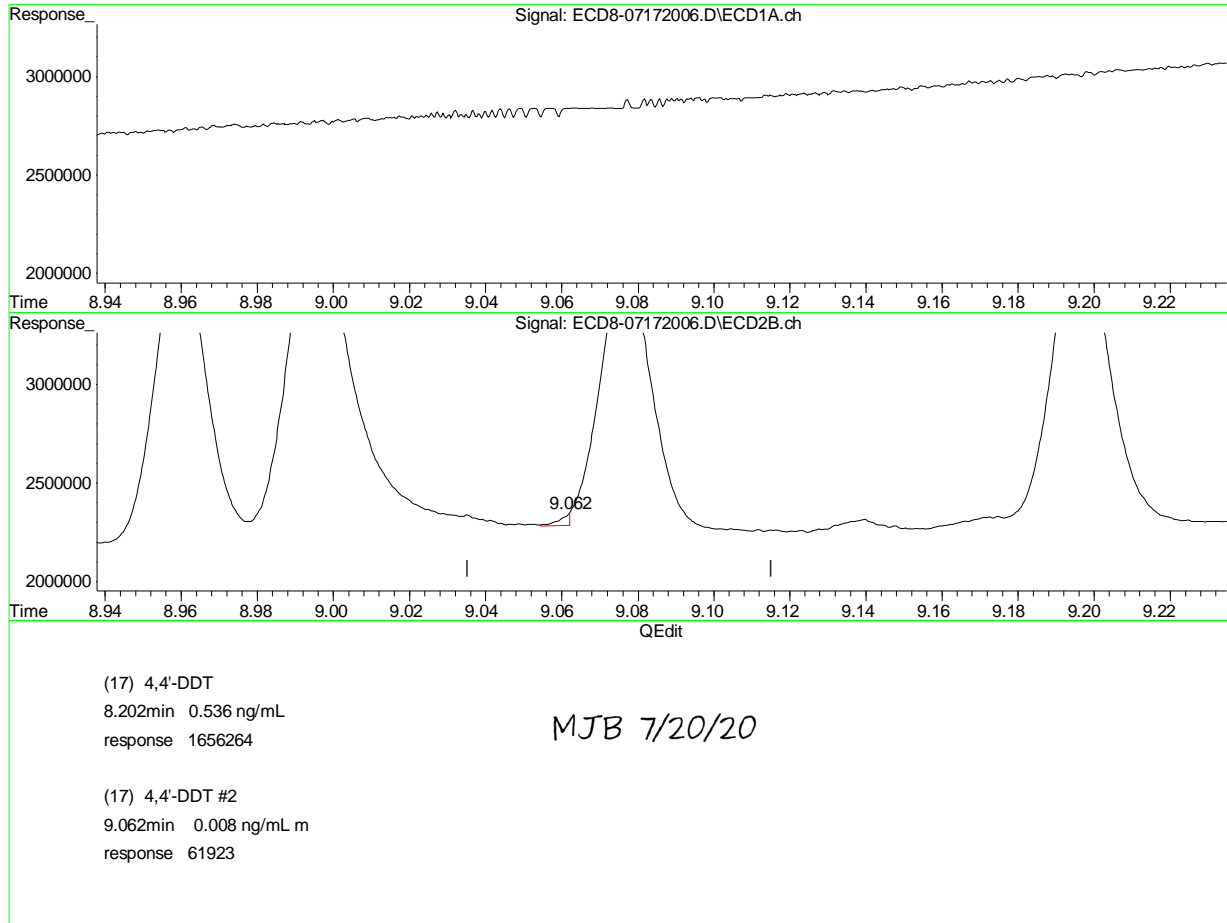


R = 5.73e+003 A*A + 2.57e+006 A + 4.08e+004
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

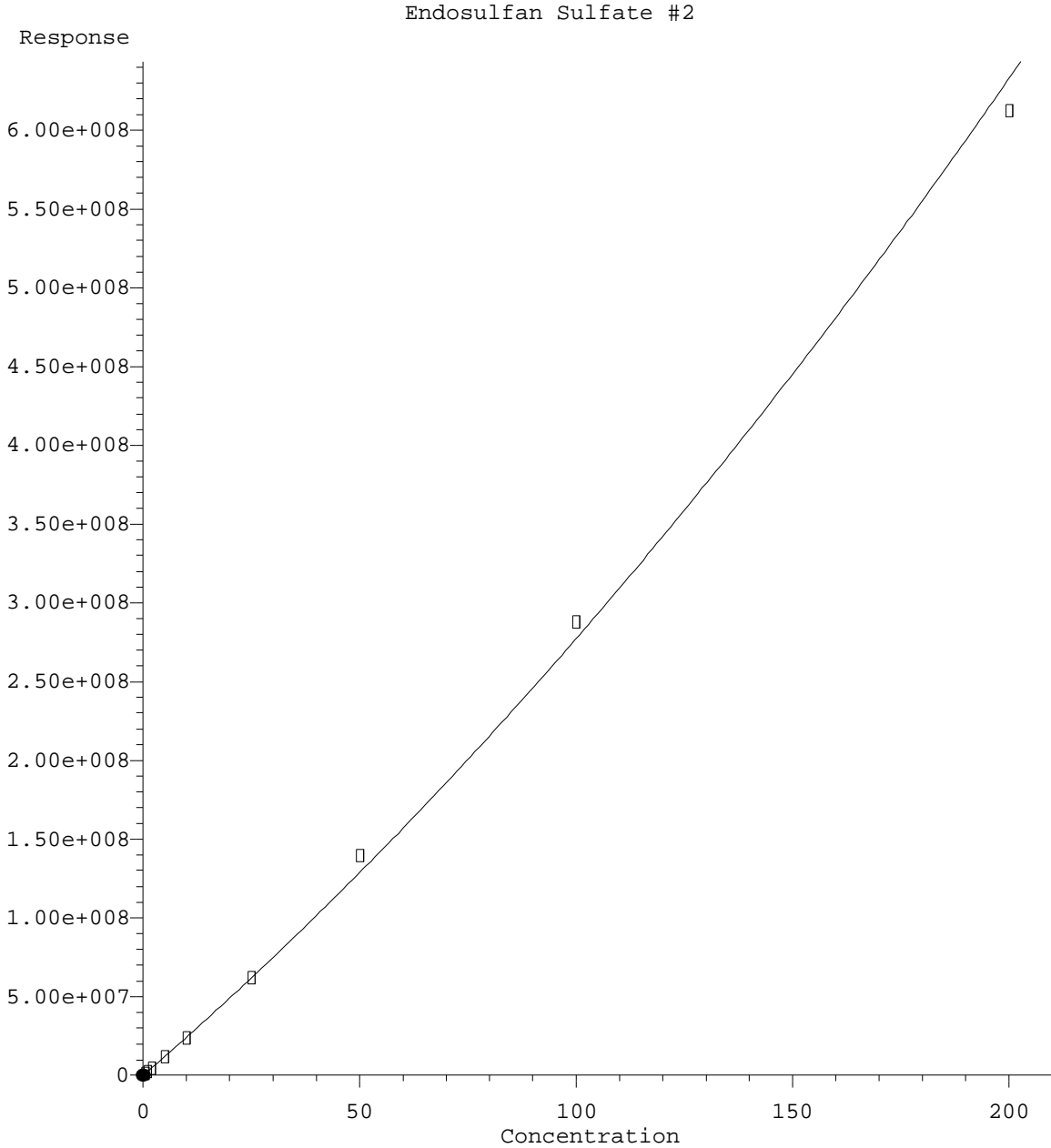
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:19:37 2020

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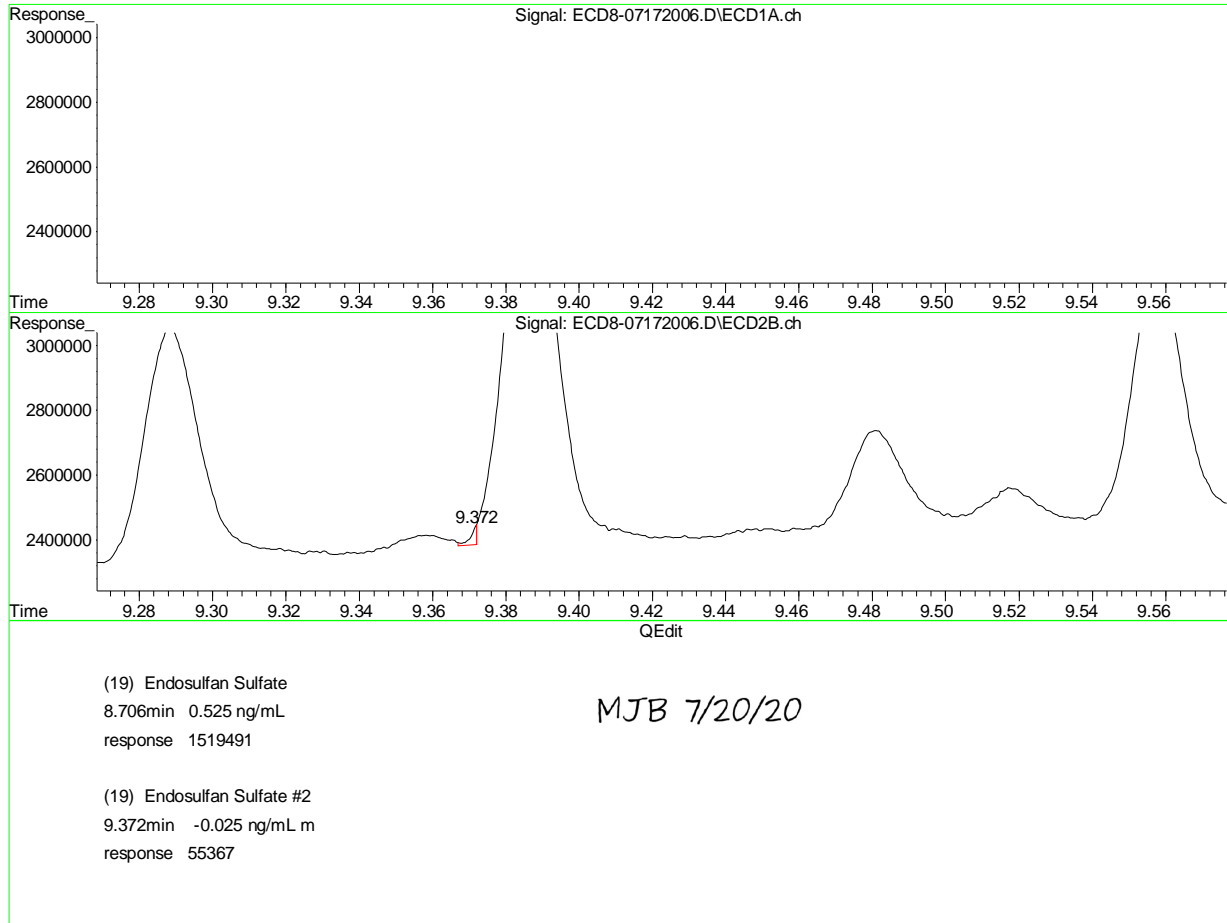


$R = 3.94e+003 A^2 + 2.38e+006 A + 1.14e+005$
 Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a²)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

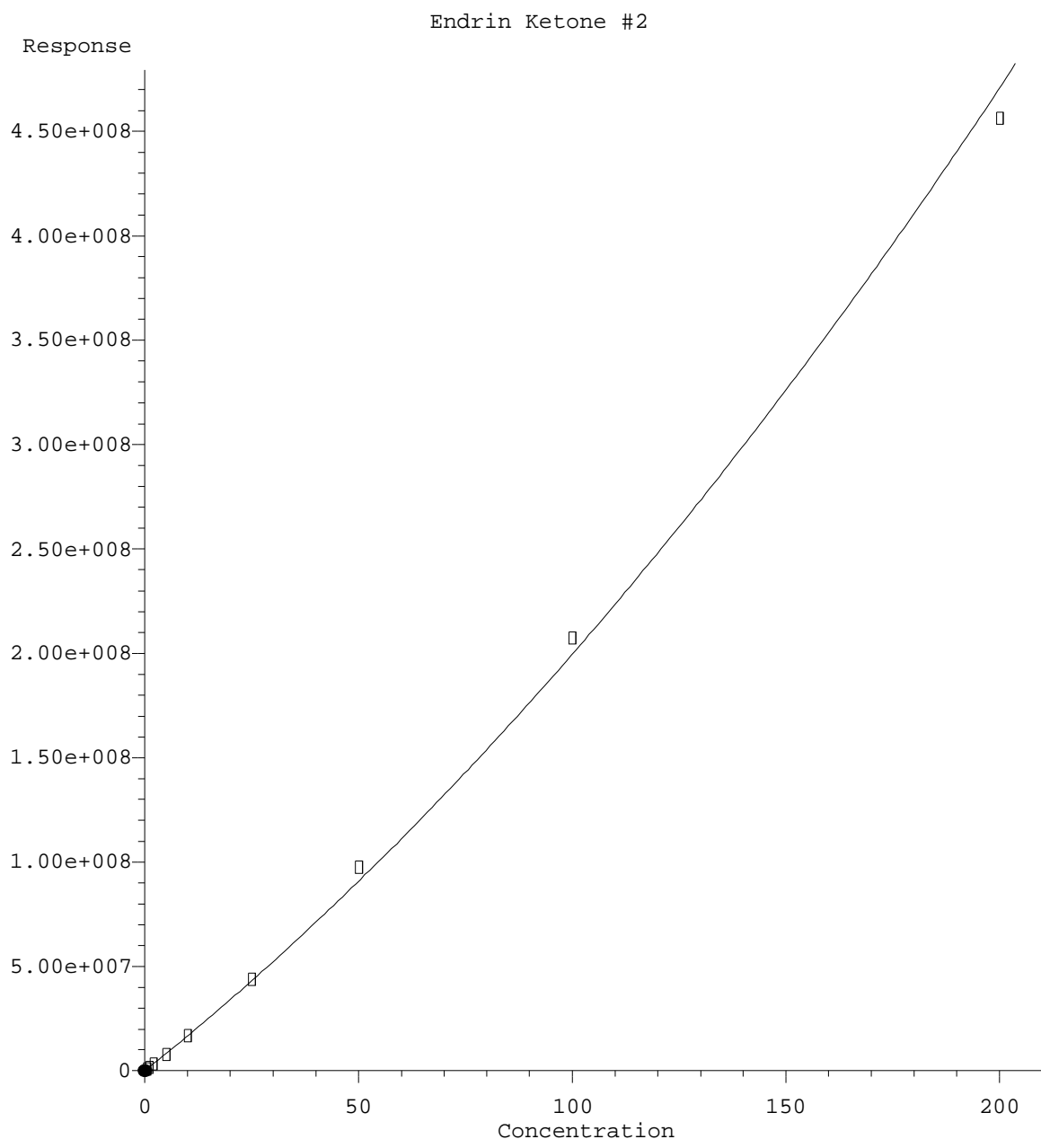
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:19:52 2020

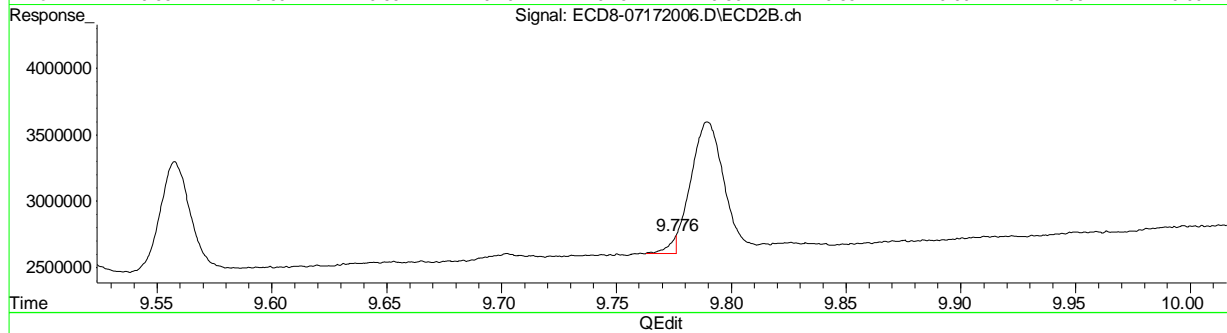
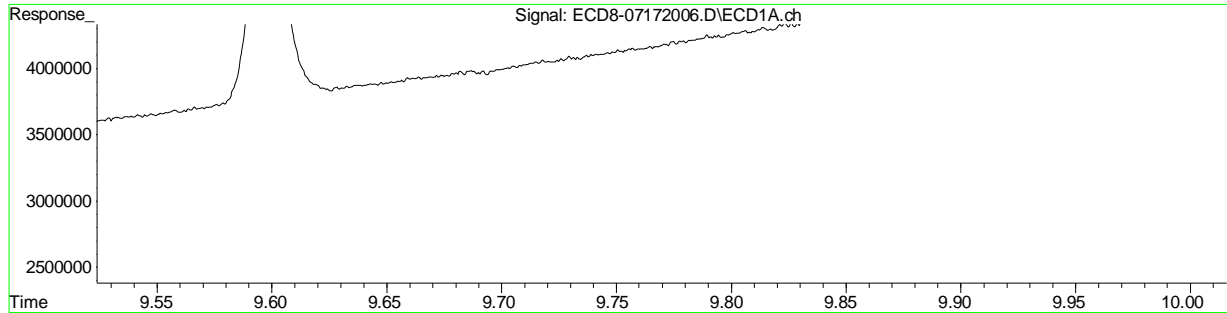


$R = 3.60e+003 A^2 + 1.63e+006 A + 1.79e+005$
 Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



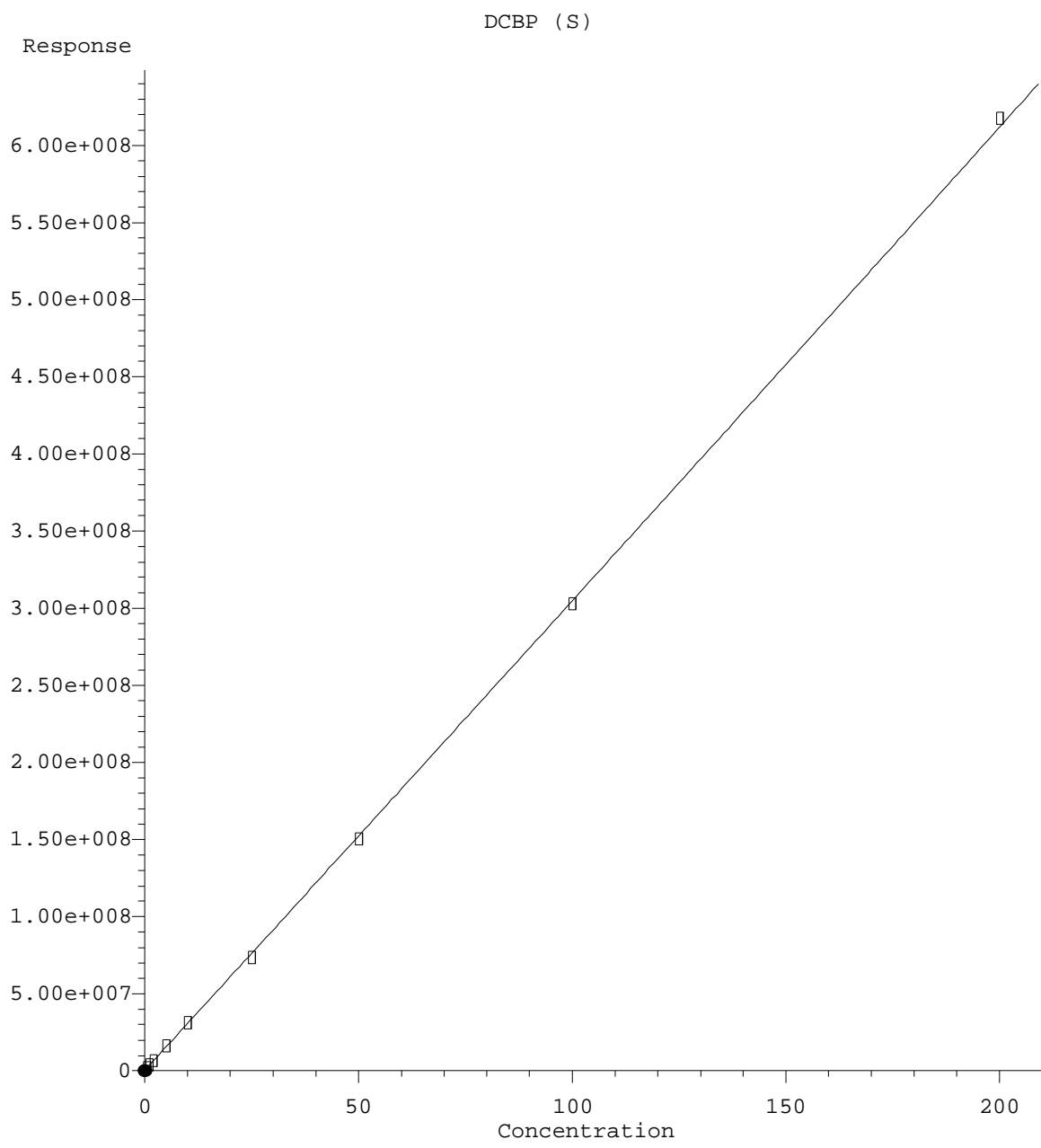
(21) Endrin Ketone
8.899min 0.590 ng/mL
response 1364571

MJB 7/20/20

(21) Endrin Ketone #2
9.776min -0.032 ng/mL m
response 126671

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:20:03 2020

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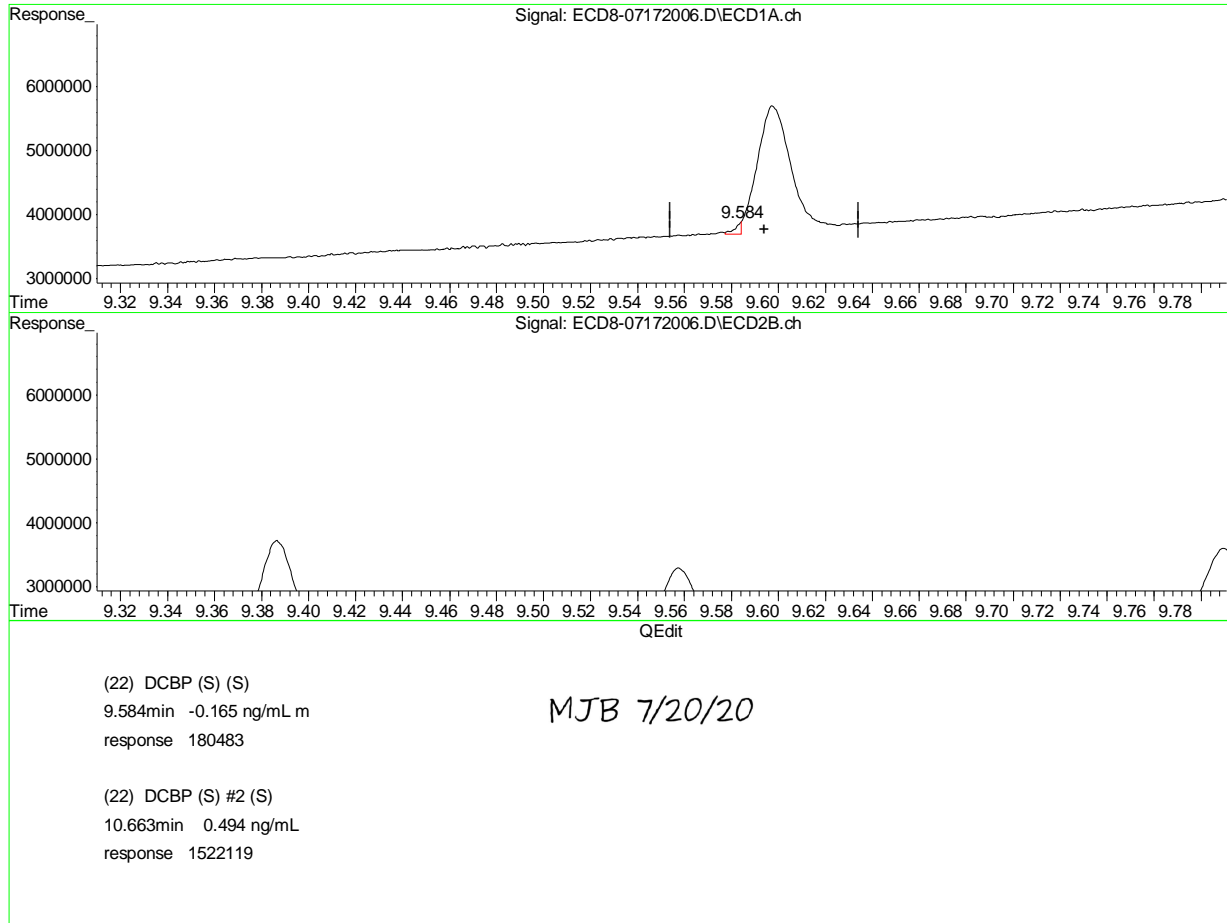


$R = 1.62e+002 A^2 + 3.02e+006 A + 6.81e+005$
 Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

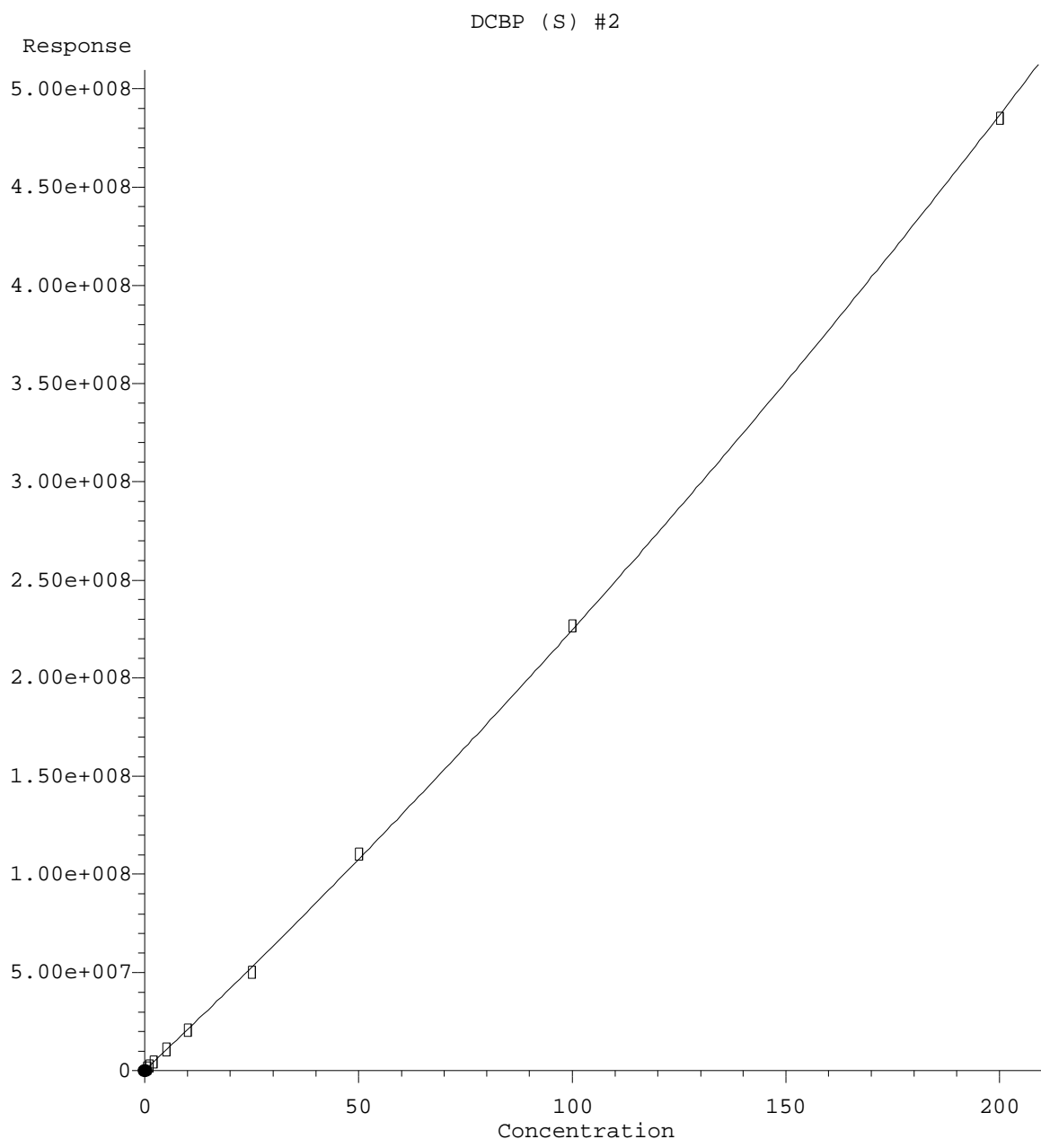
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:20:11 2020

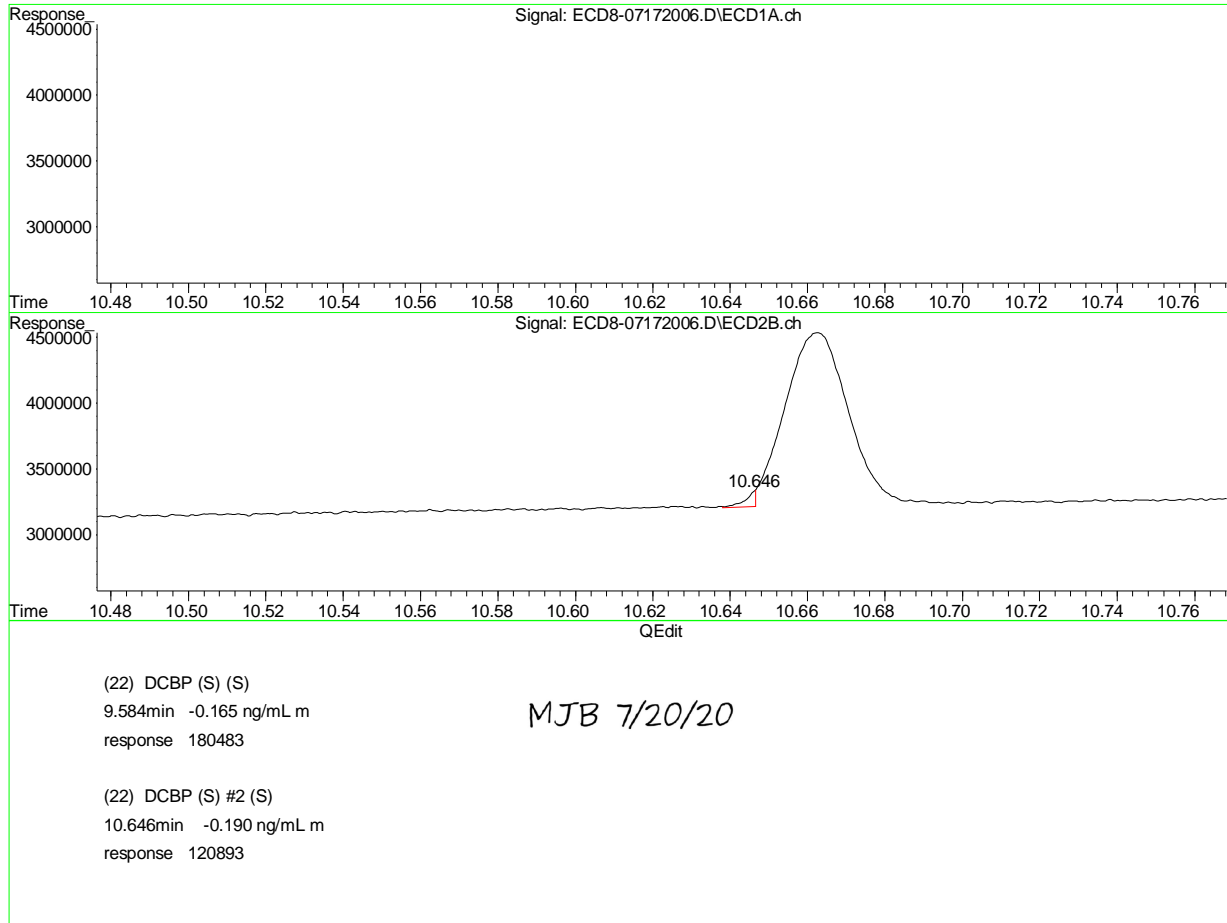


$R = 1.92e+003 A^2 + 2.05e+006 A + 5.10e+005$
 Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

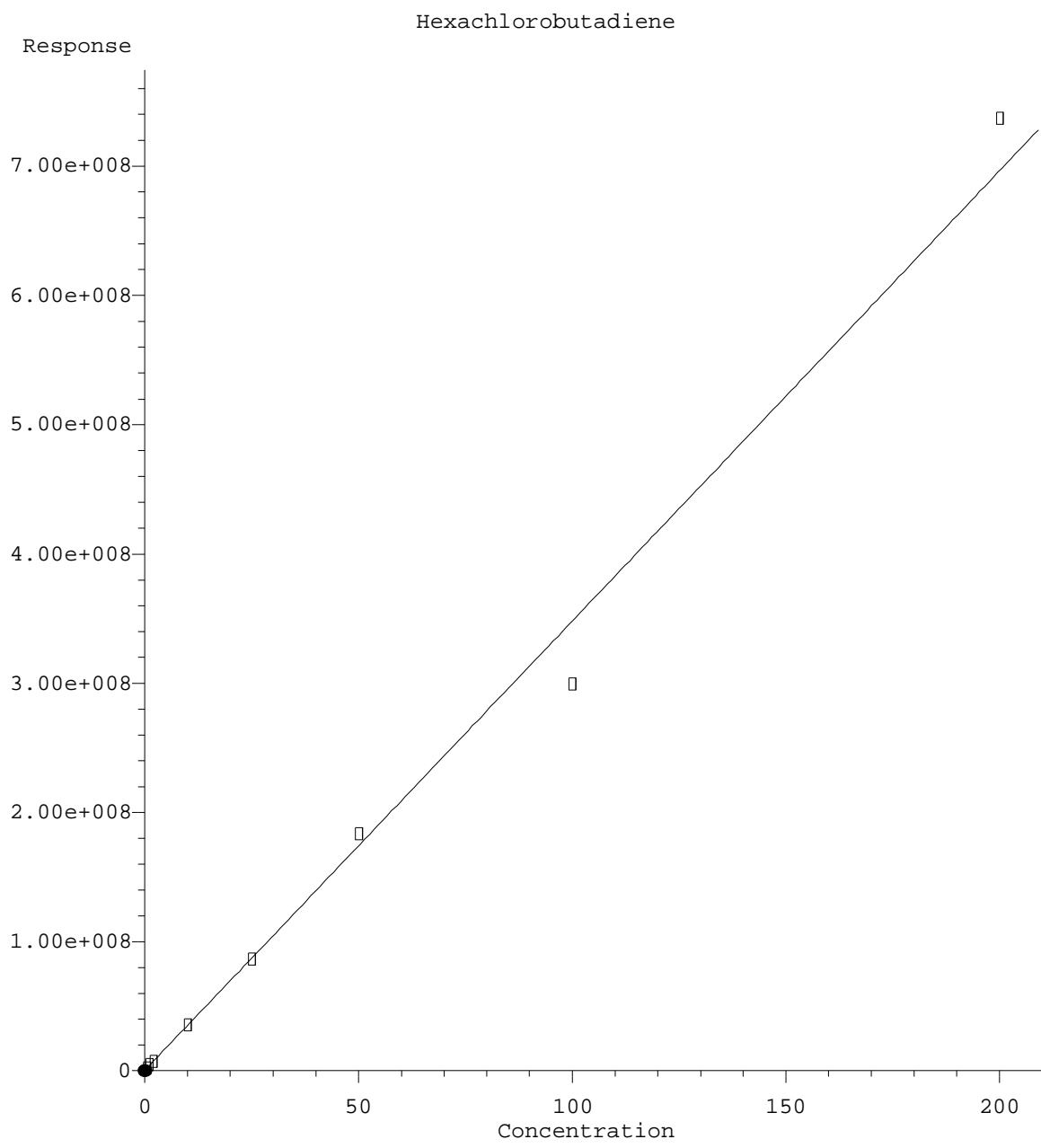
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:20:22 2020

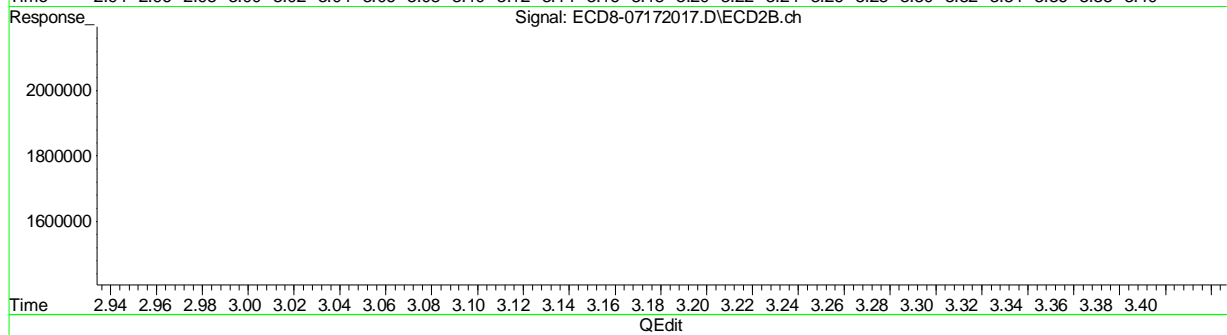
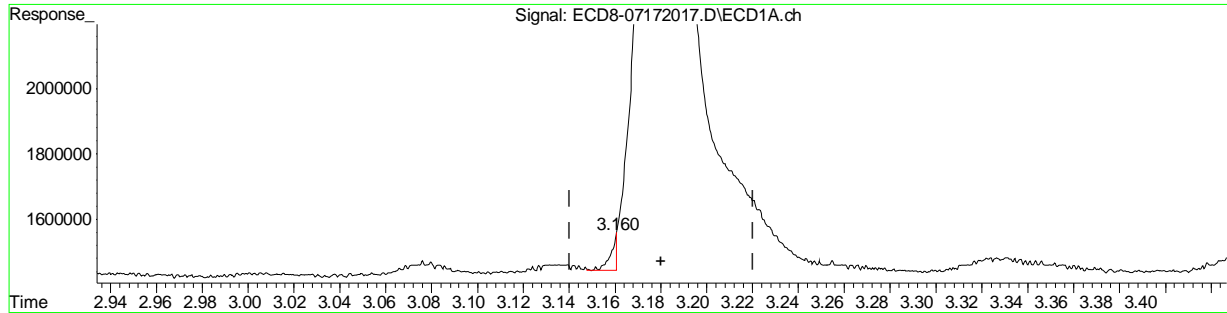


$R = 7.80e+001 A^2 + 3.46e+006 A + 8.02e+005$
 Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w(1/a²)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



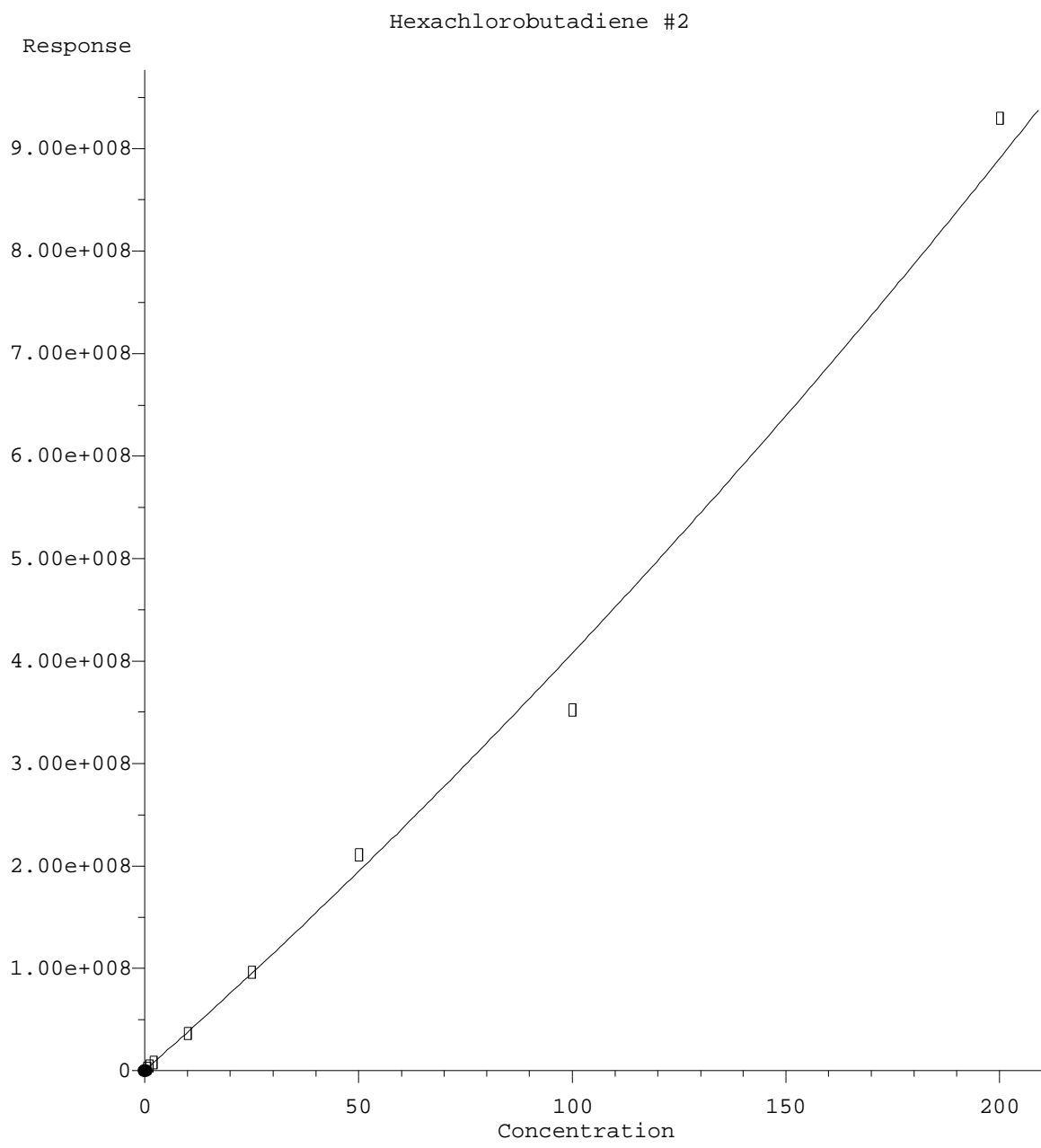
(23) Hexachlorobutadiene
3.160min -0.200 ng/mL m
response 107615

MJB 7/20/20

(23) Hexachlorobutadiene #2
3.775min 0.479 ng/mL
response 2610849

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:20:47 2020

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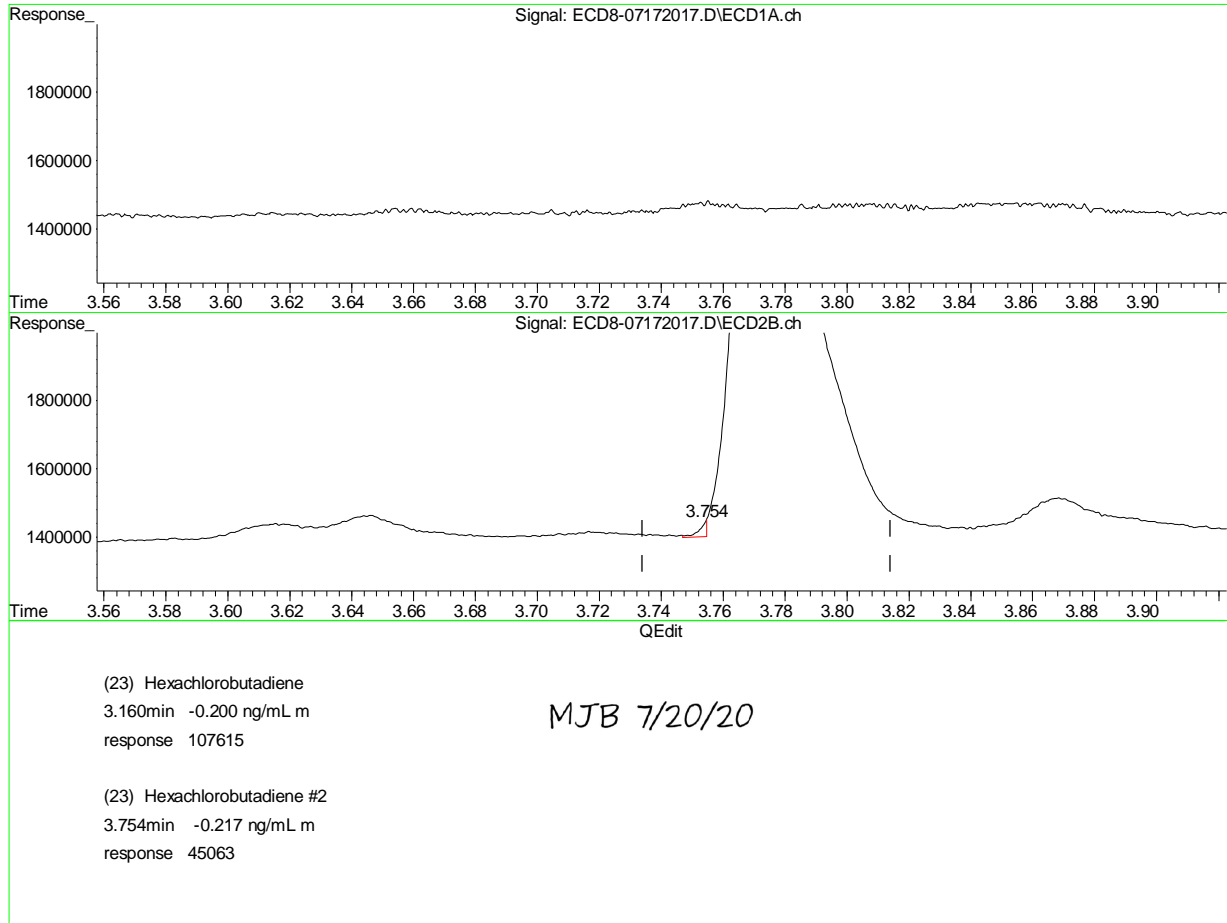


$R = 3.82e+003 A^2 + 3.69e+006 A + 8.44e+005$
 Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a²)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

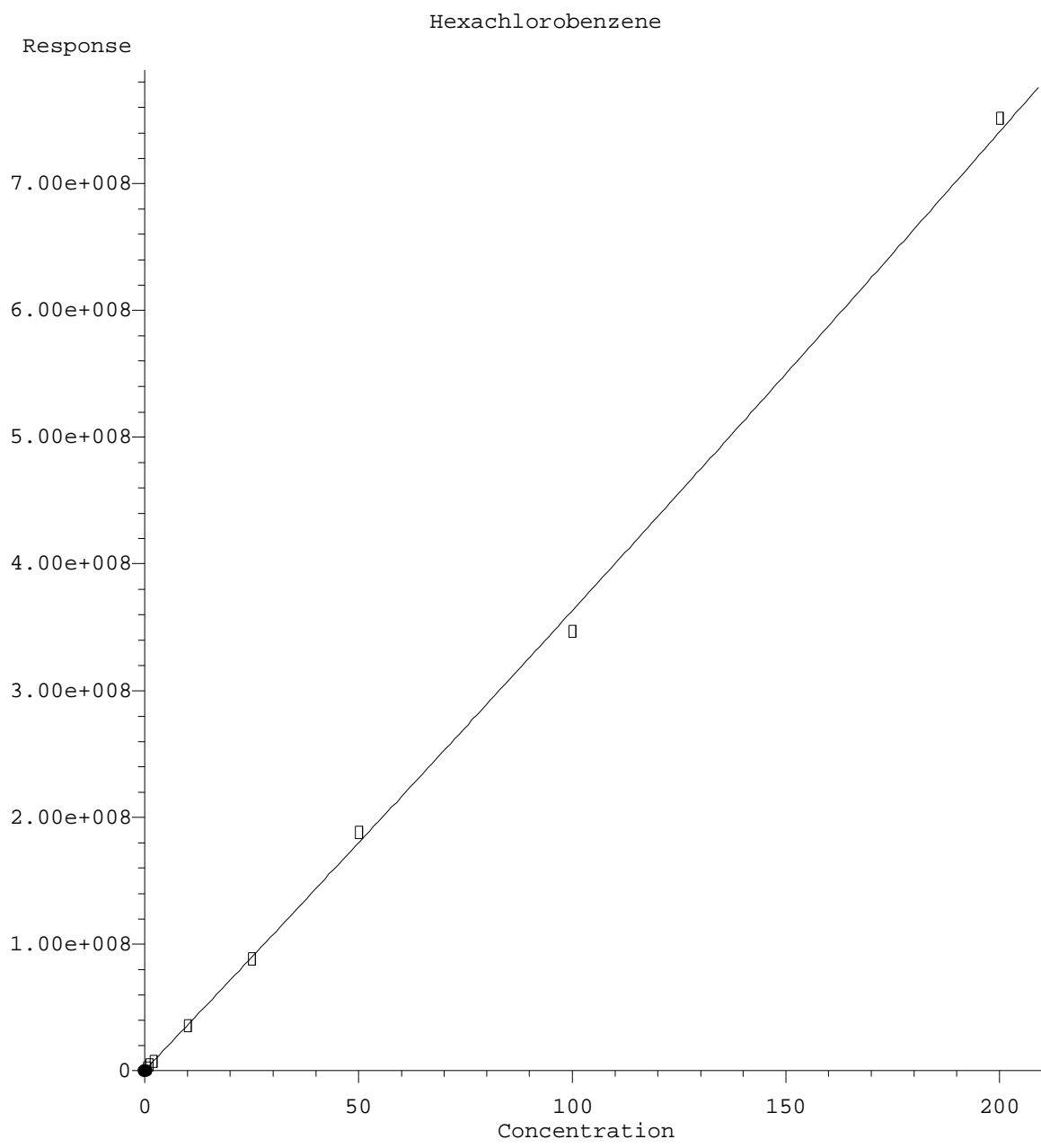
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:20:54 2020

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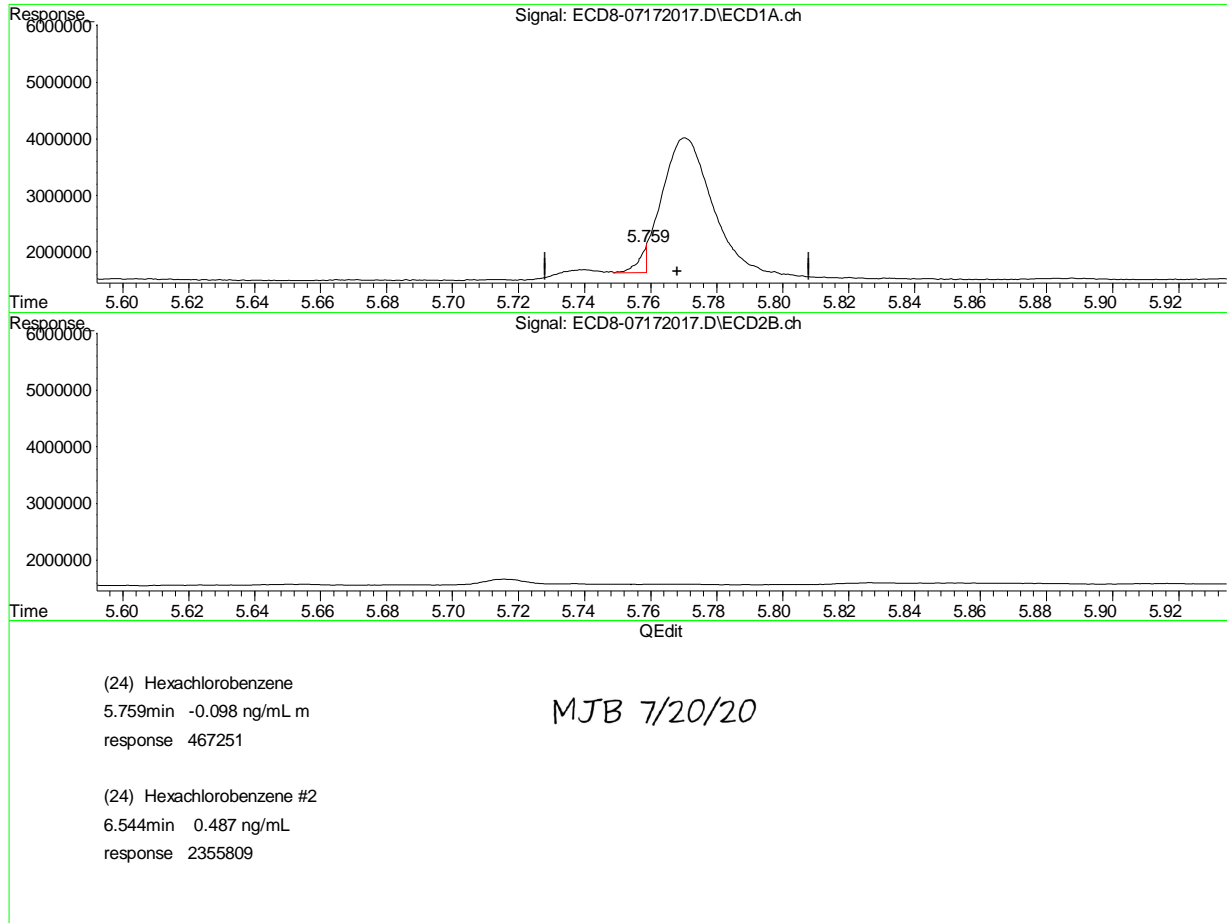


$R = 7.91e+002 A^2 + 3.54e+006 A + 8.16e+005$
 Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a²)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

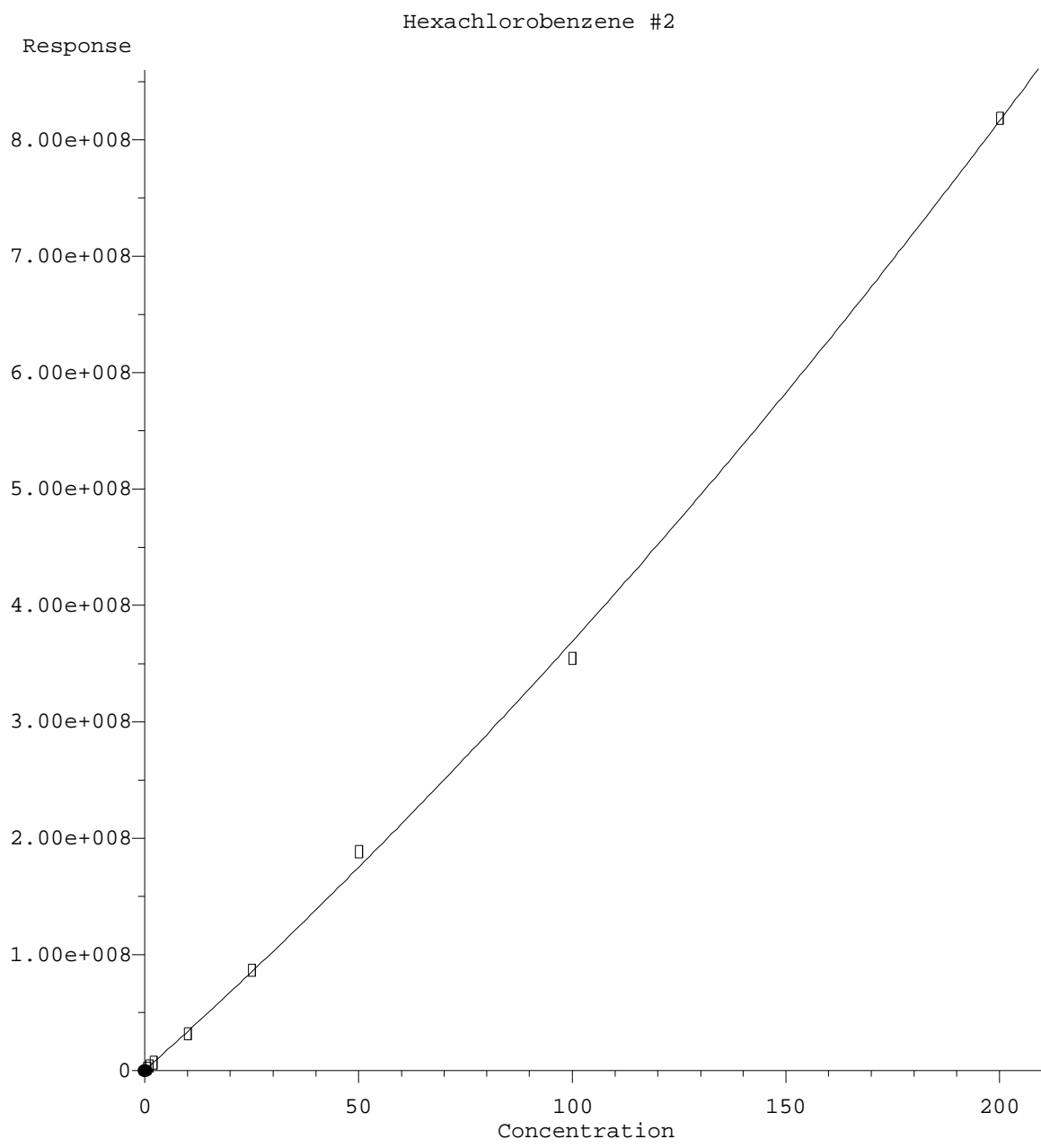
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:21:03 2020

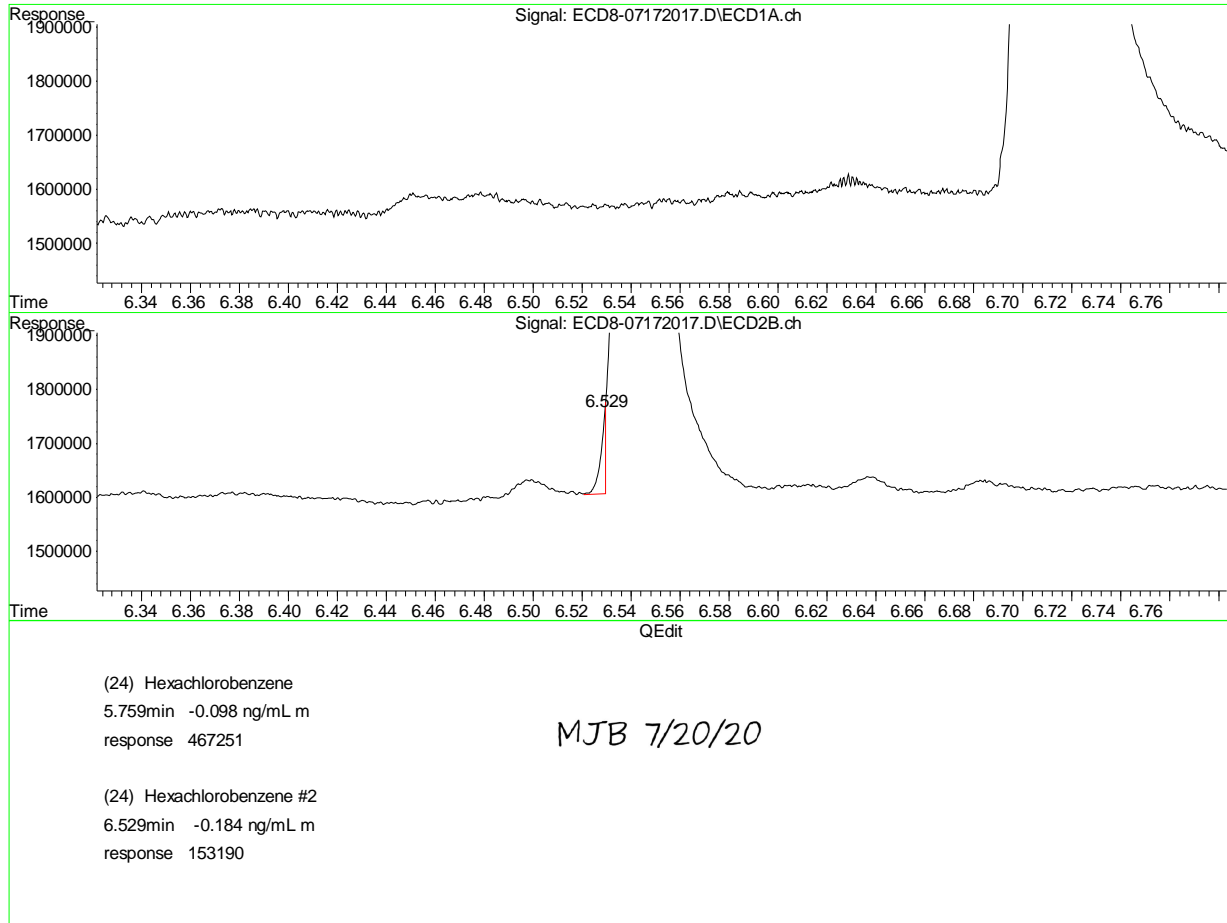


$R = 3.98e+003 A^2 + 3.28e+006 A + 7.56e+005$
 Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

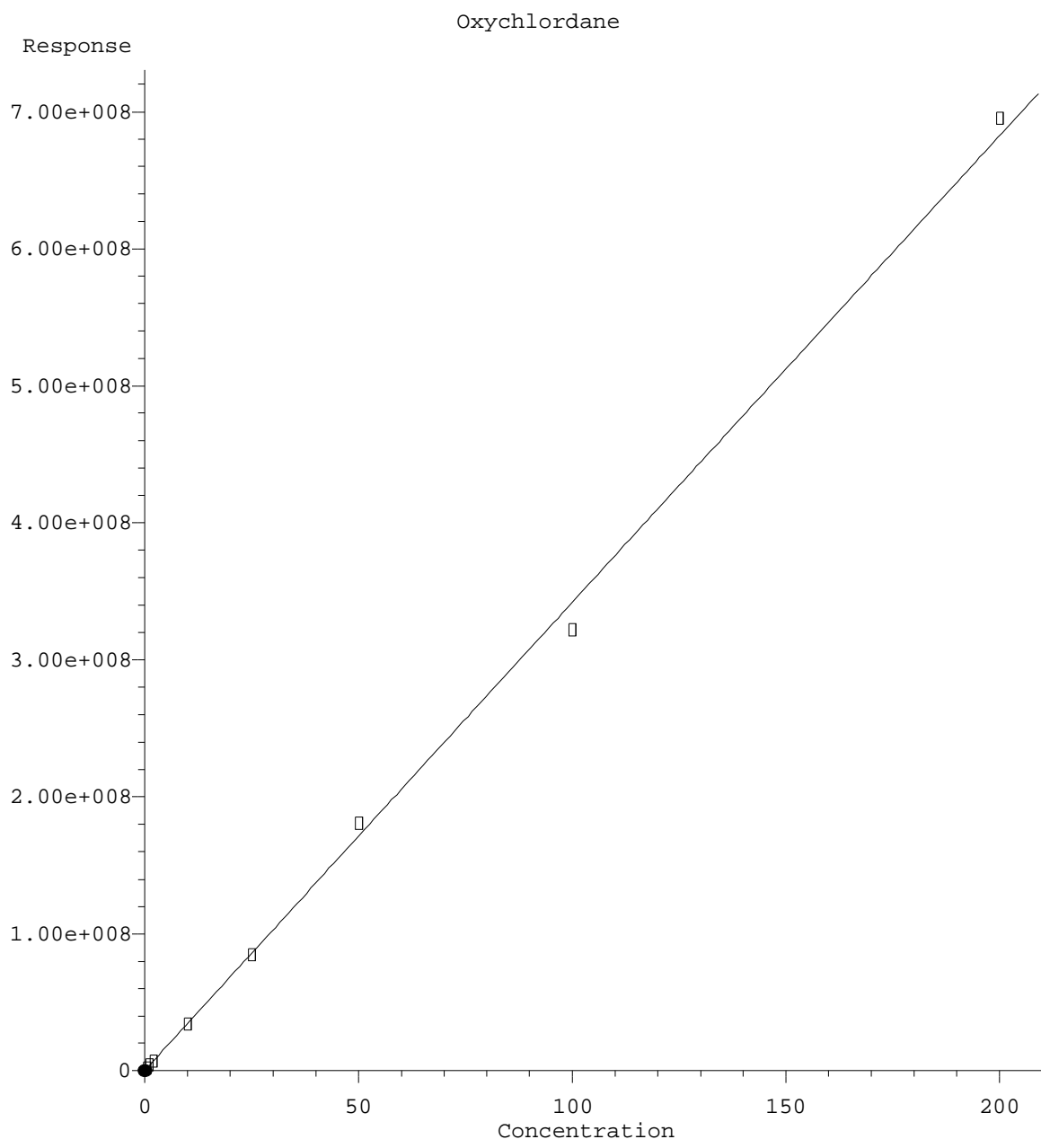
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:21:12 2020

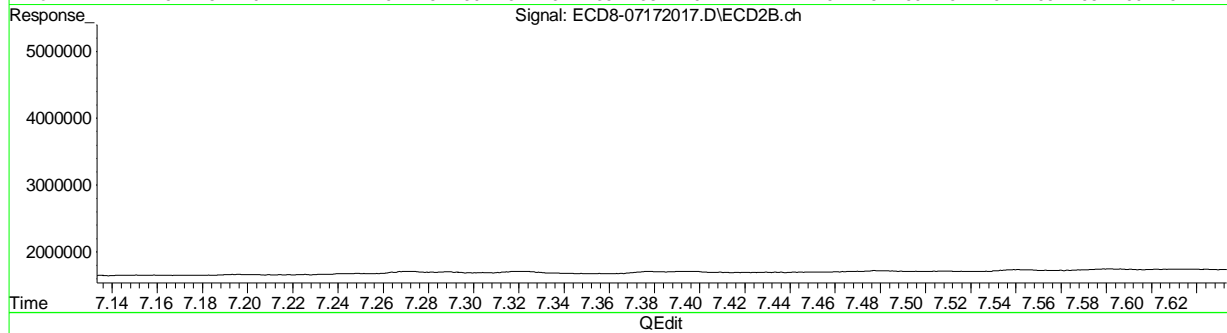
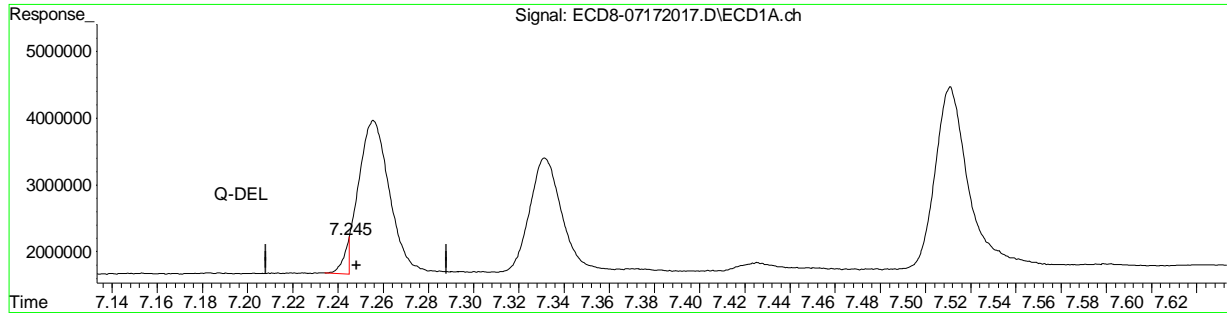


$R = -3.27e+001 A^2 + 3.42e+006 A + 6.30e+005$
 Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

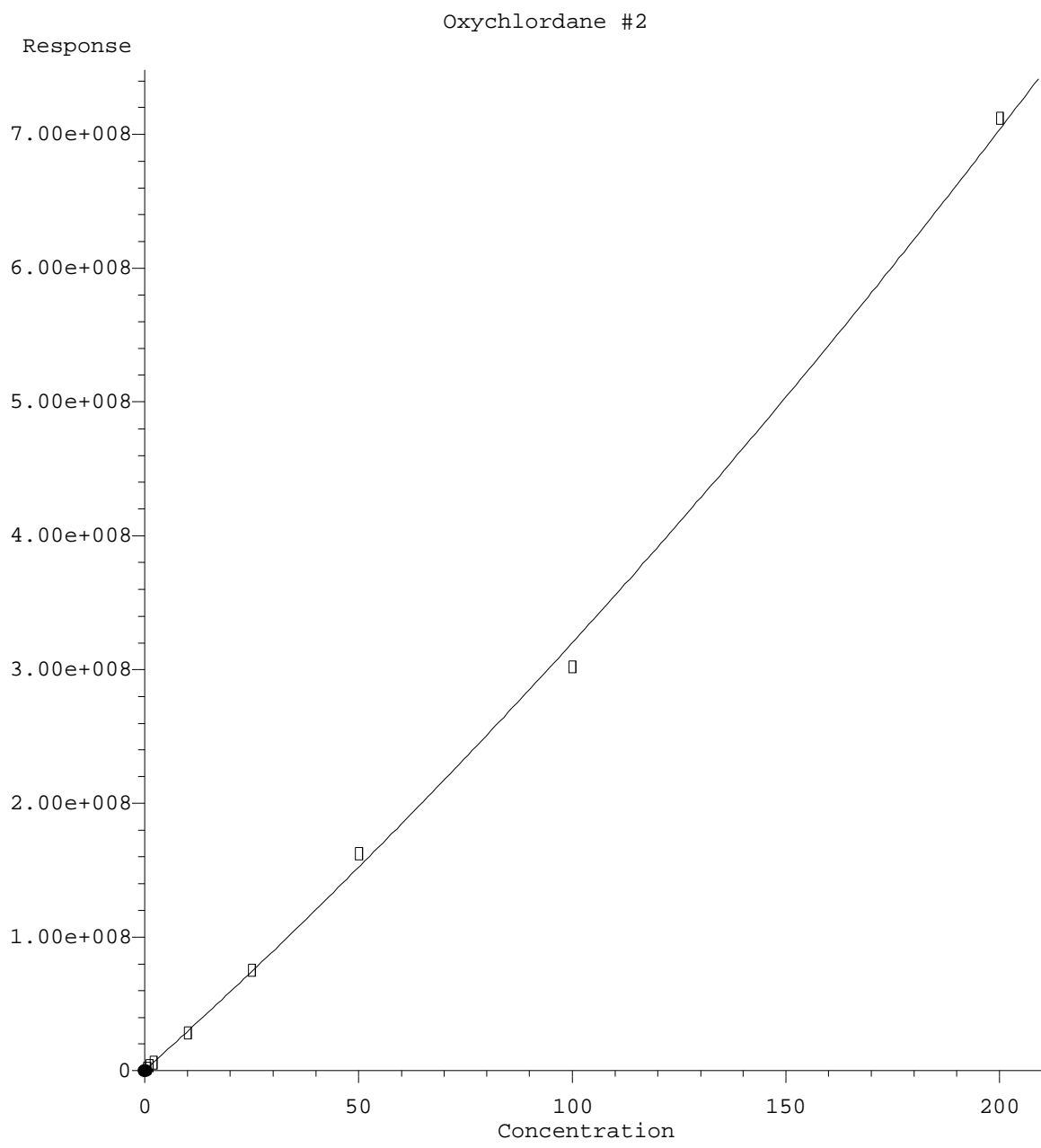
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(25) Oxychlordane
~~7.245min 104477.106 ng/mL m-~~
response ~~534284~~

MJB 7/20/20

(25) Oxychlordane #2
8.010min 0.484 ng/mL
response 2071594

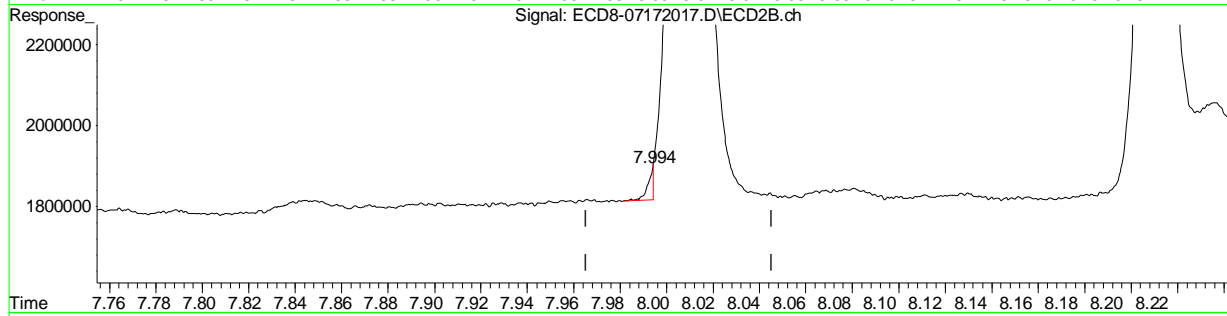
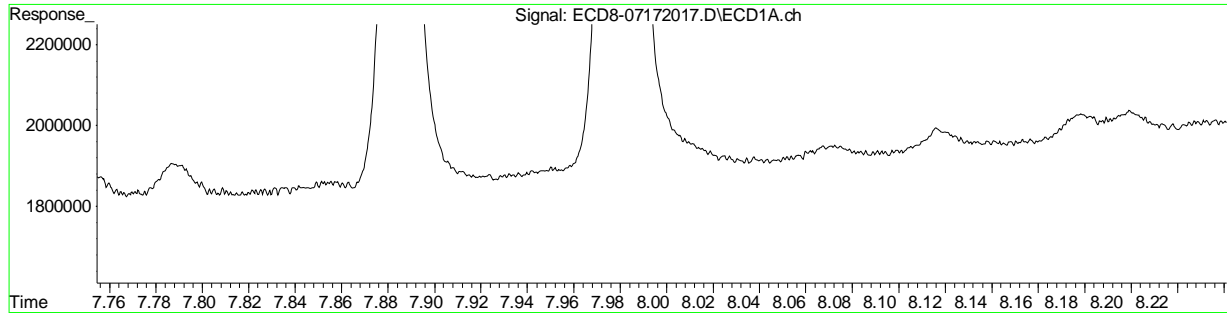


$R = 3.23e+003 A^2 + 2.87e+006 A + 6.82e+005$
 Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a²)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation

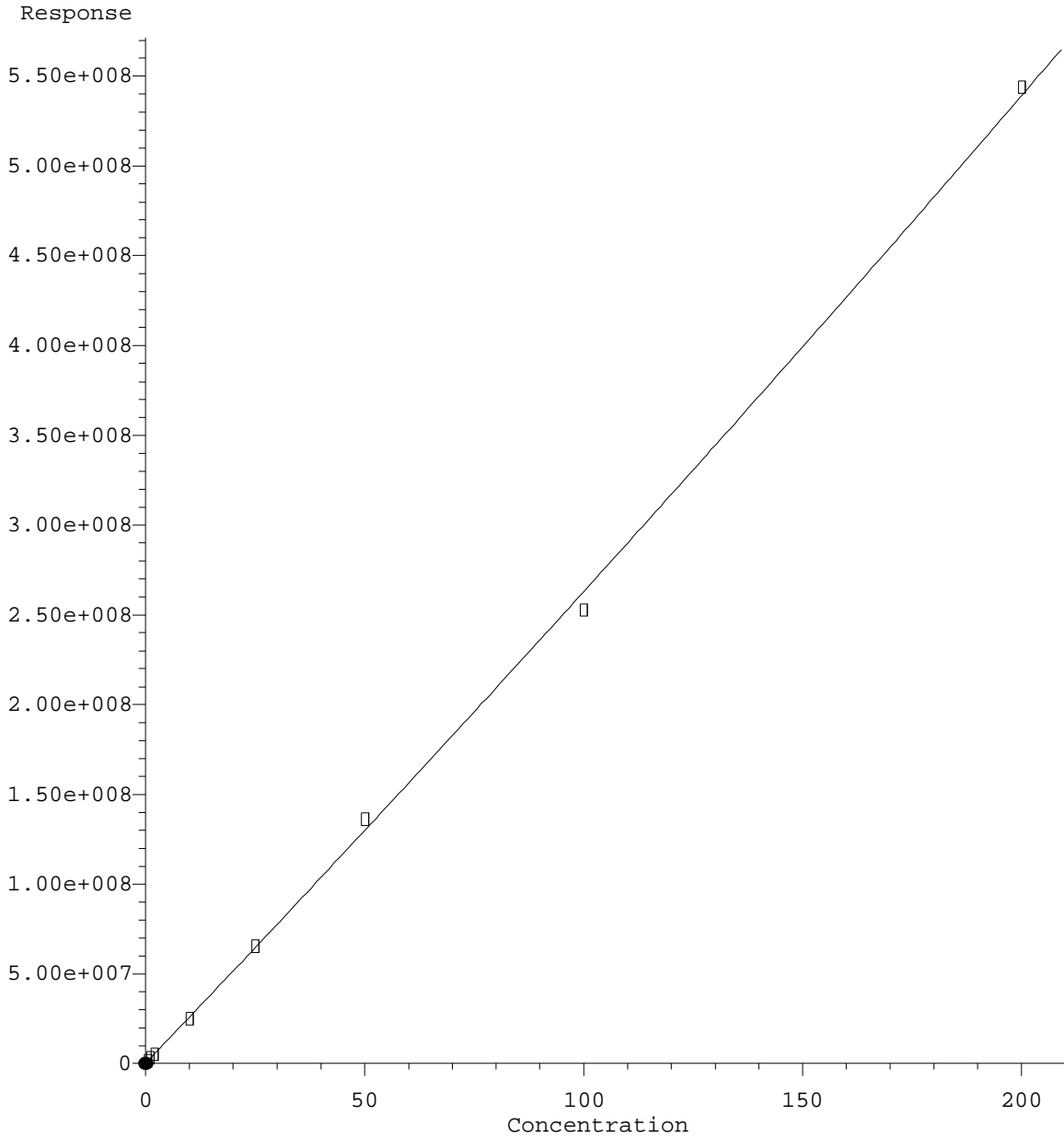


Retention Time (min)	Response	Concentration (ng/mL m)
7.245	534381	104477.195
7.994	81919	-0.209

MJB 7/20/20

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:21:38 2020

2,4'-DDE

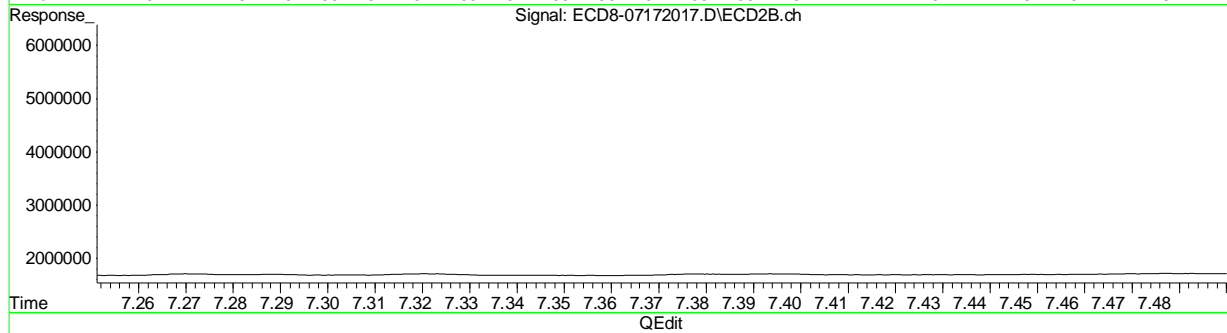
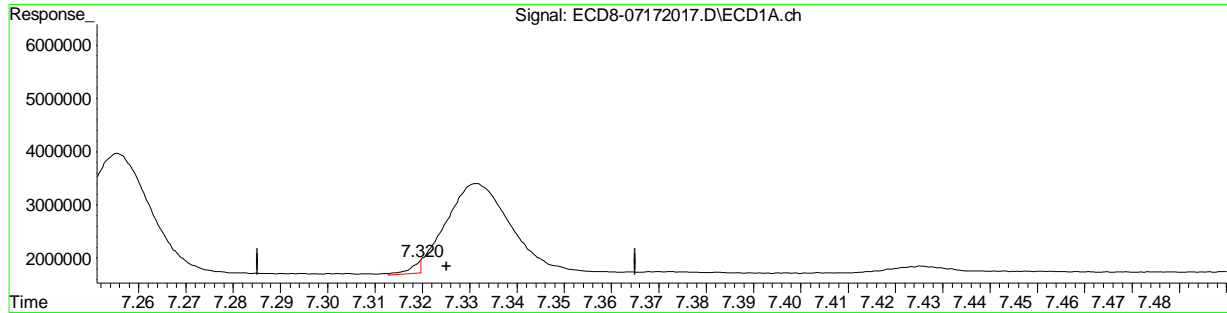


R = 7.02e+002 A*A + 2.55e+006 A + 4.60e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.320min -0.083 ng/mL m
response 247695

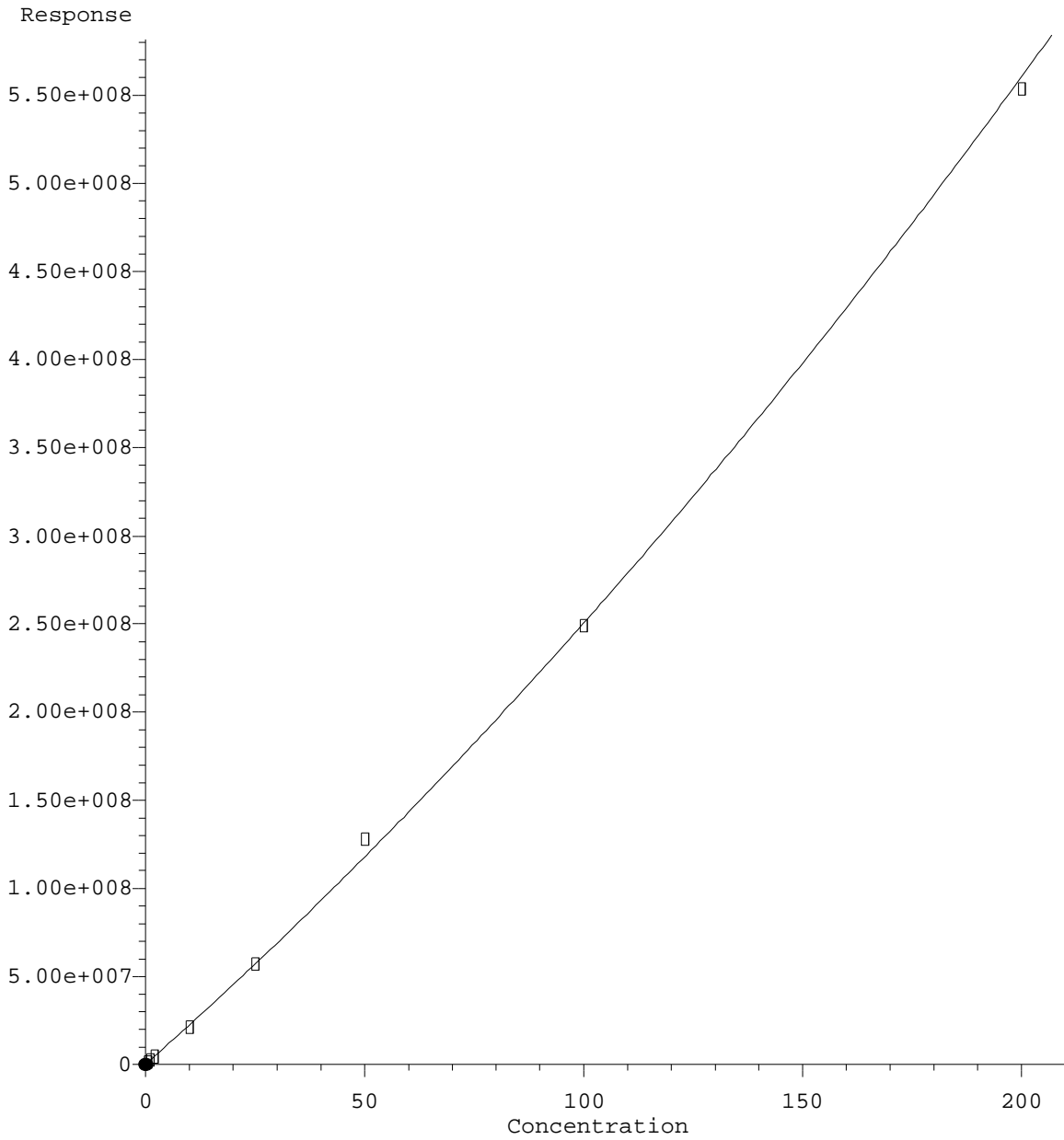
MJB 7/20/20

(26) 2,4'-DDE #2
8.211min 0.490 ng/mL
response 1531133

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:21:48 2020

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2,4'-DDE #2

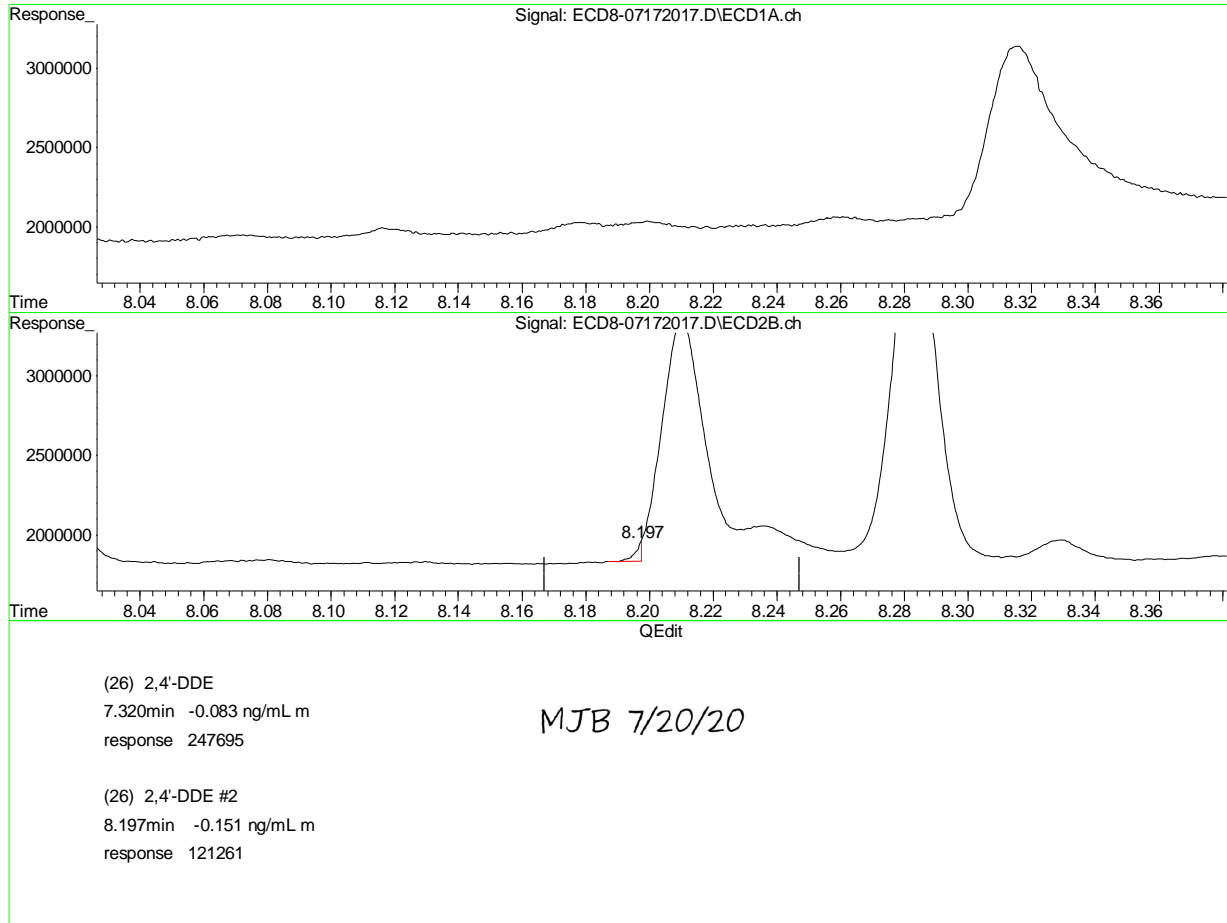


R = 3.01e+003 A*A + 2.20e+006 A + 4.53e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

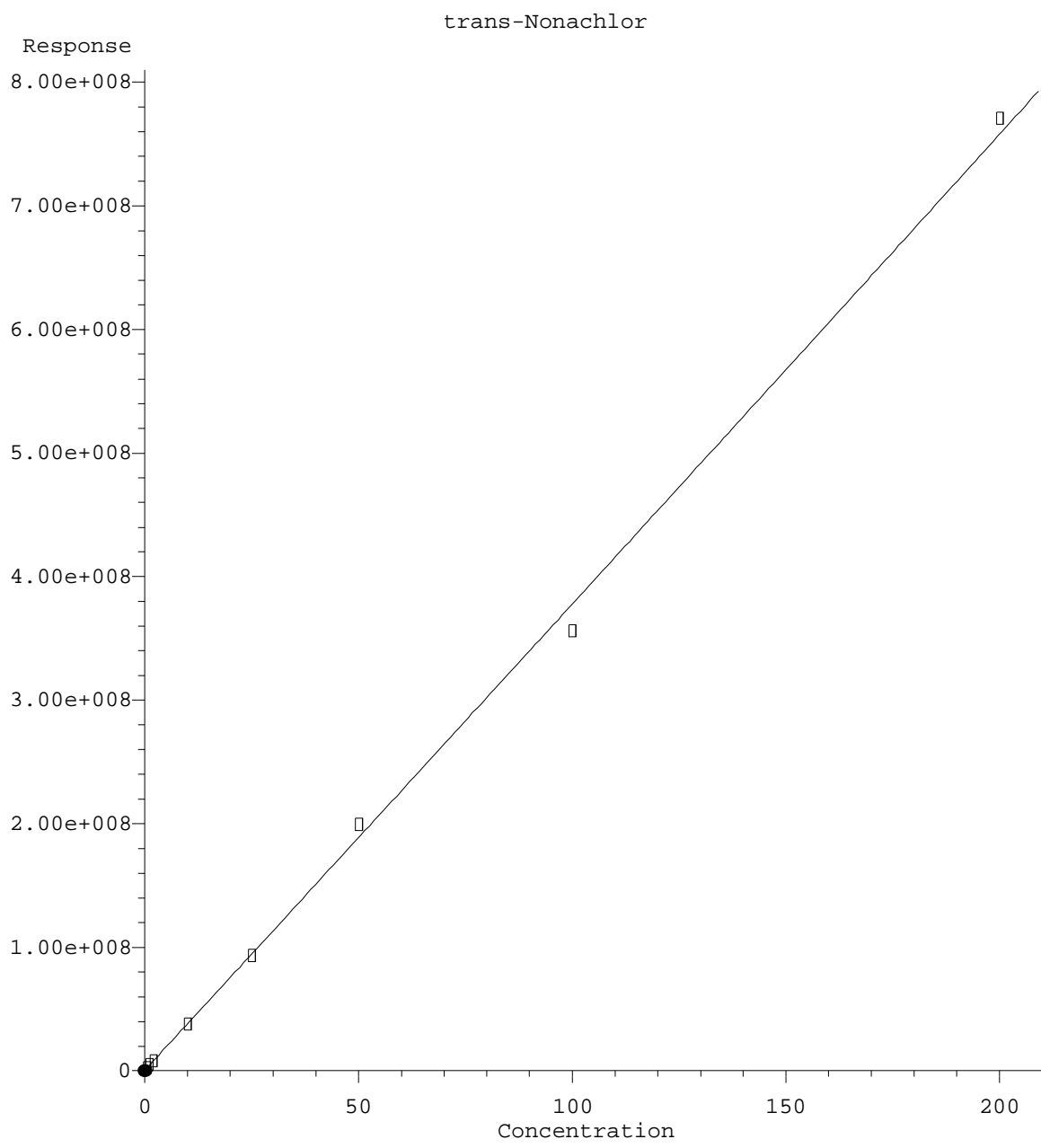
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:21:57 2020

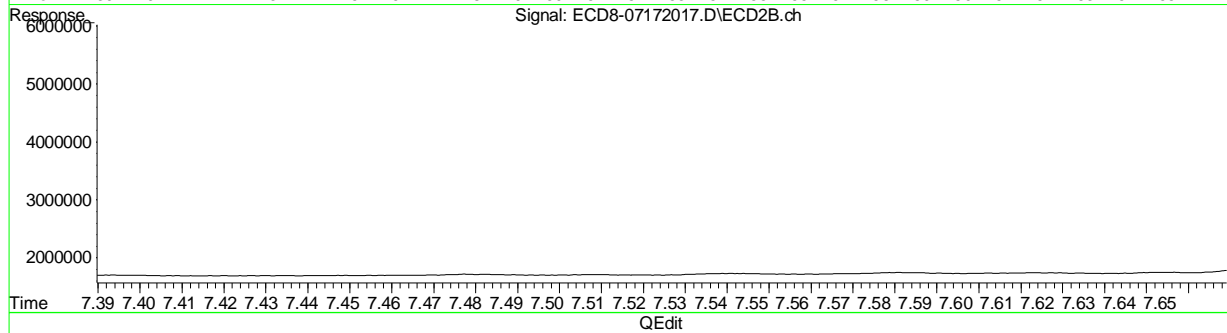
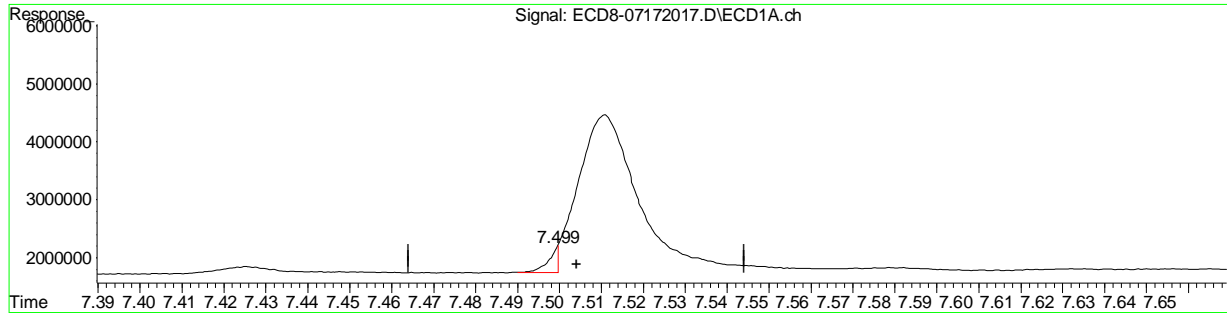


$R = 1.82e+002 A^2 + 3.75e+006 A + 8.77e+005$
 Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



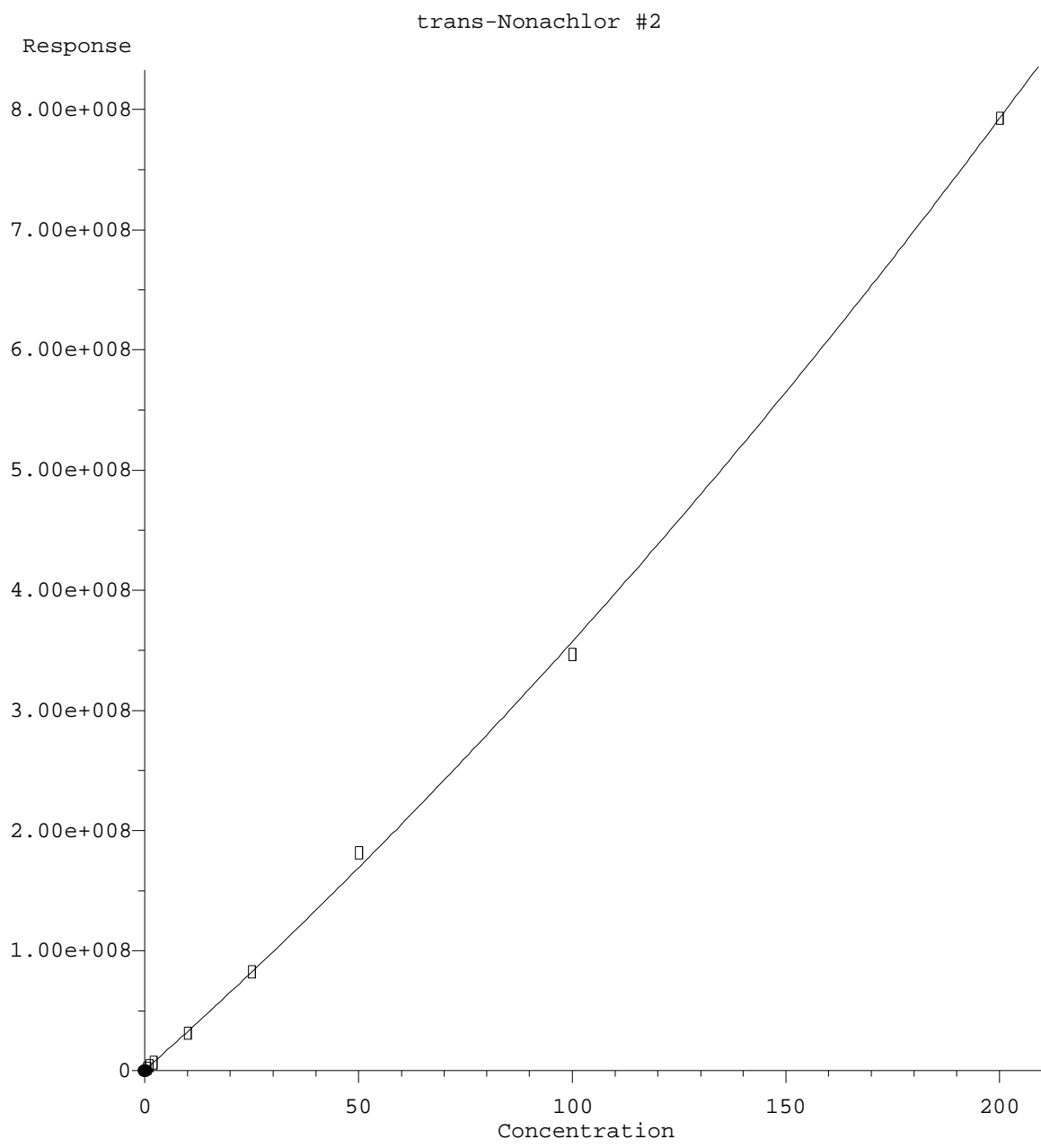
(27) trans-Nonachlor
7.499min -0.120 ng/mL m
response 428081

MJB 7/20/20

(27) trans-Nonachlor #2
8.283min 0.486 ng/mL
response 2349402

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:22:06 2020

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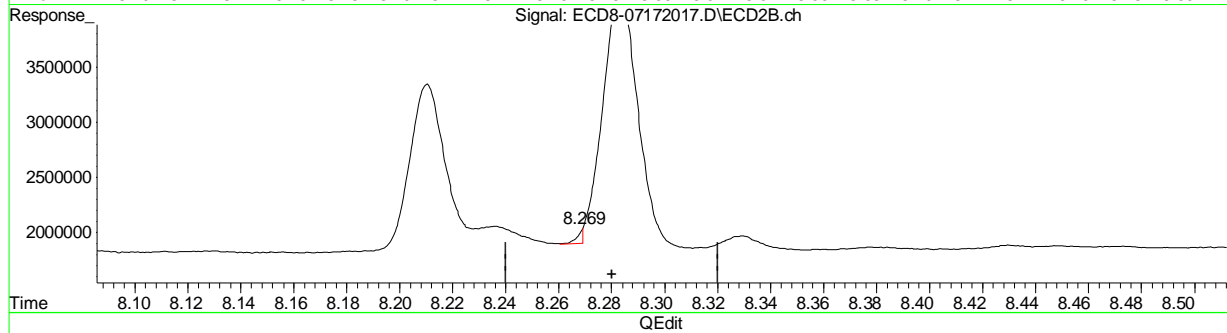
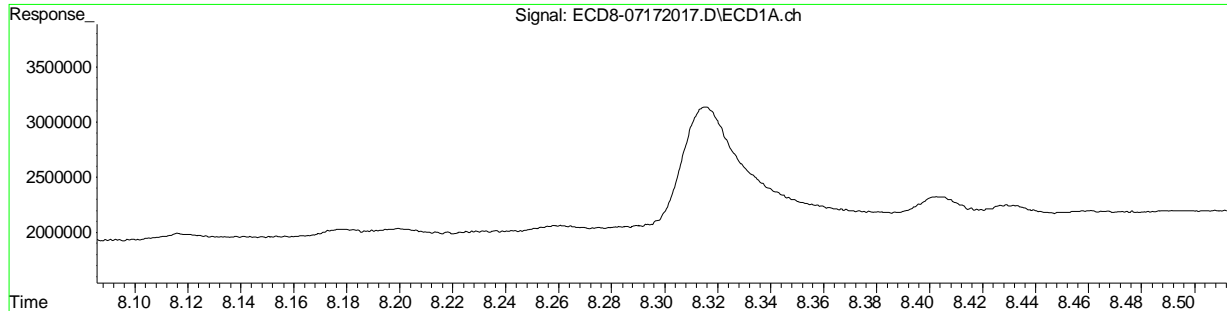


$R = 3.96e+003 A^2 + 3.17e+006 A + 8.08e+005$
 Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a²)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(27) trans-Nonachlor
7.499min -0.120 ng/mL m
response 428081

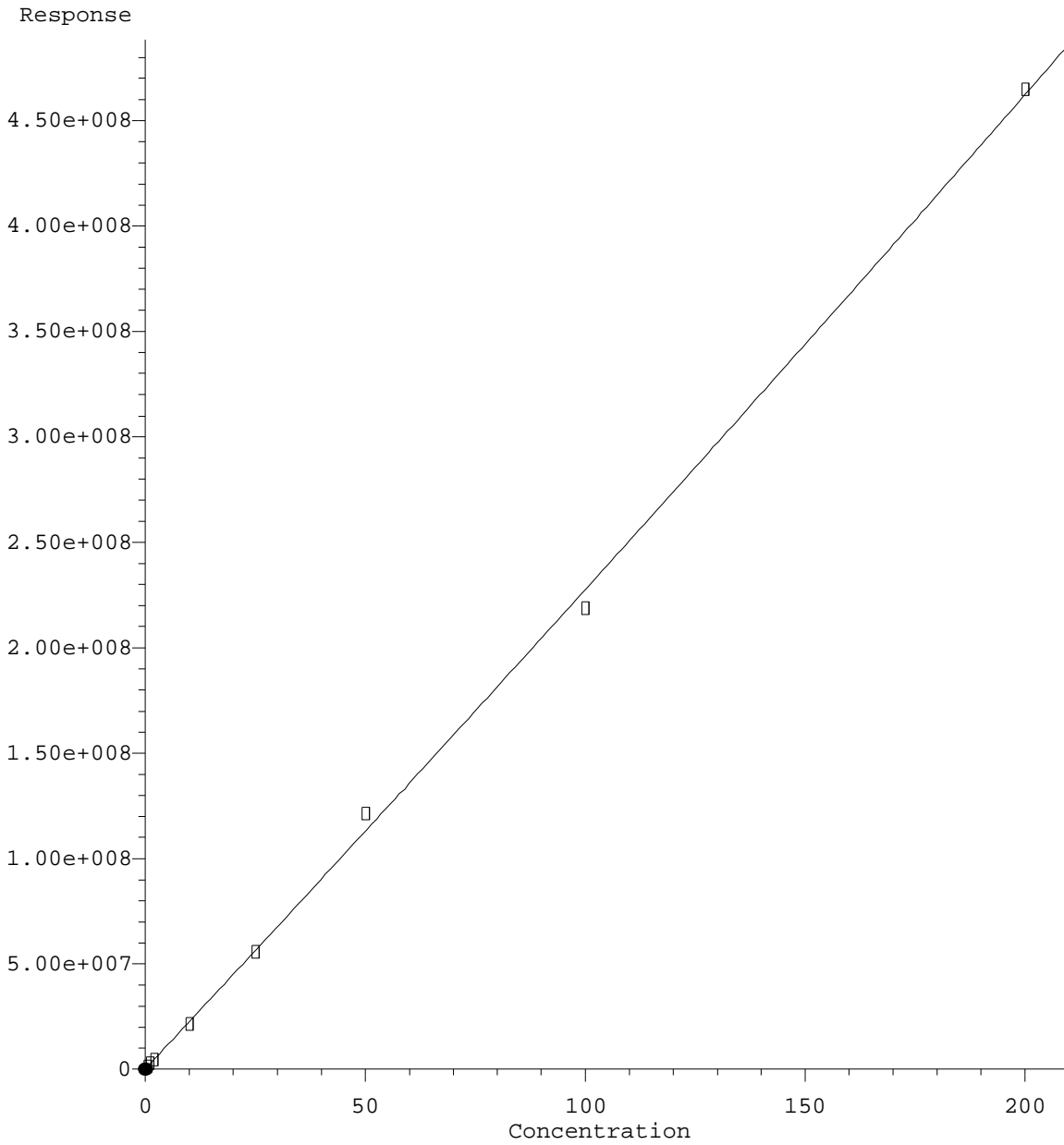
MJB 7/20/20

(27) trans-Nonachlor #2
8.269min -0.213 ng/mL m
response 133802

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:22:16 2020

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2,4'-DDD

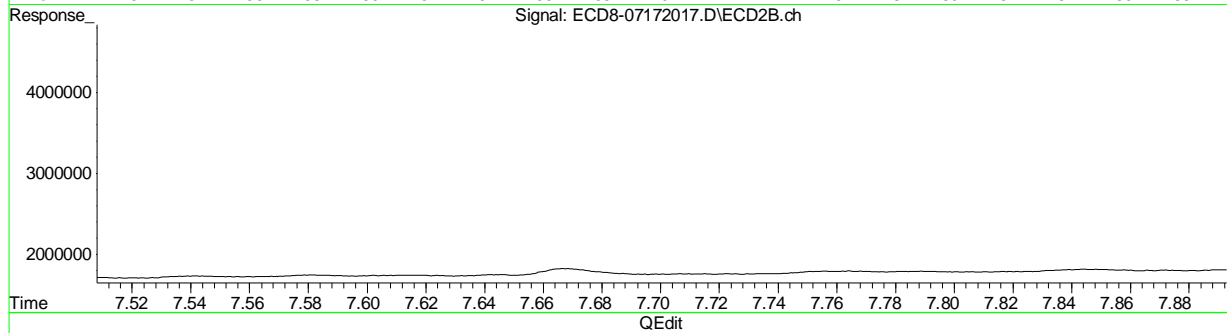
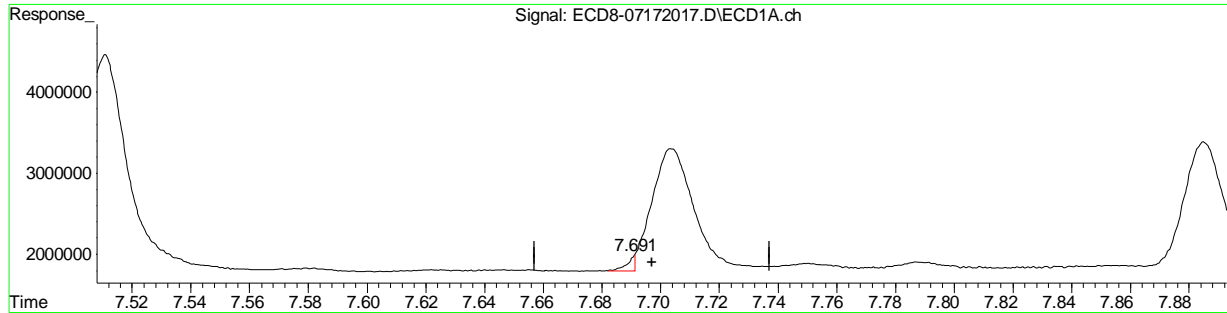


R = 3.93e+002 A*A + 2.23e+006 A + 4.36e+005
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation

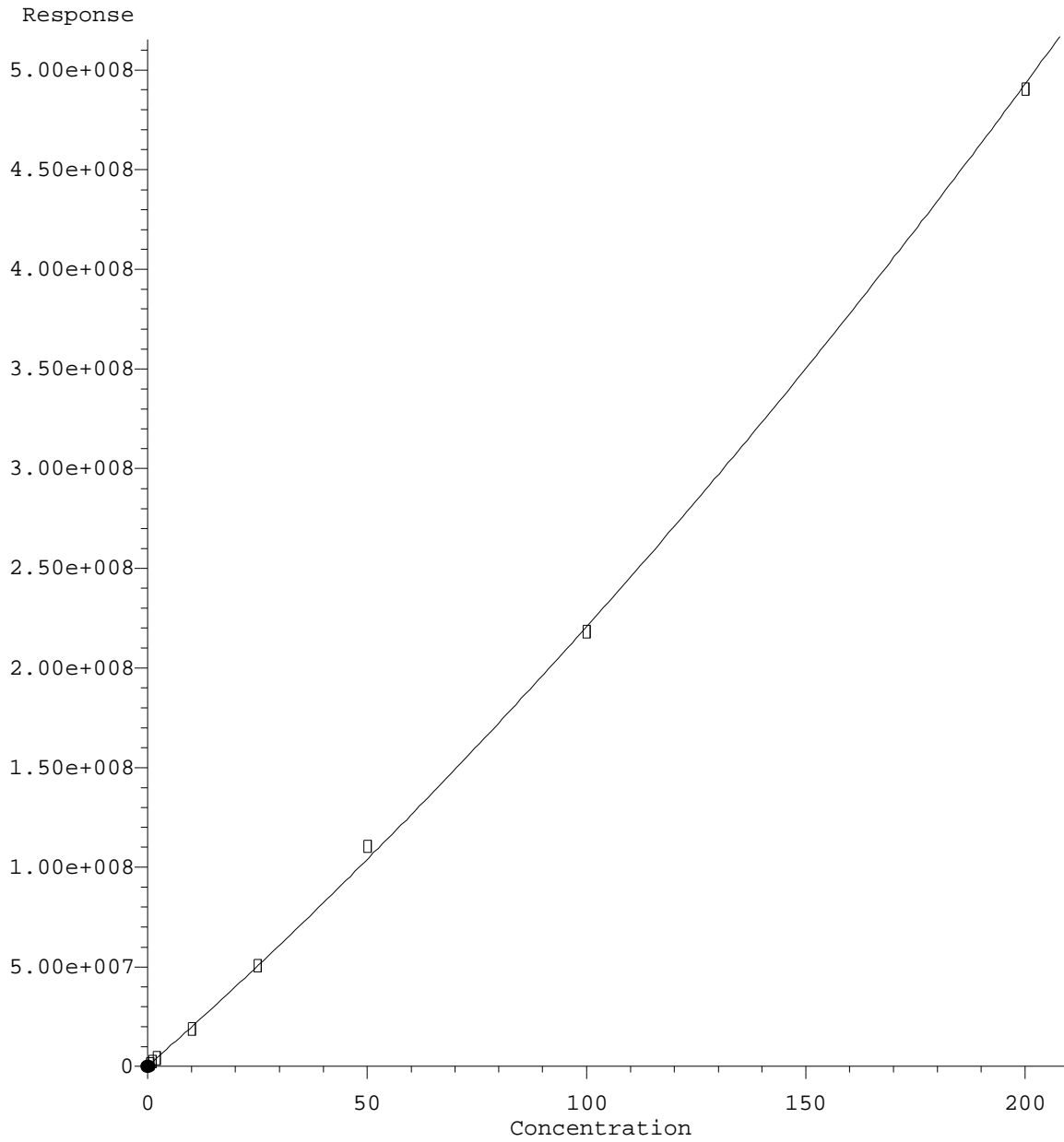


(28) 2,4'-DDD
7.691min -0.111 ng/mL m
response 188352

MJB 7/20/20

(28) 2,4'-DDD #2
8.583min 0.485 ng/mL
response 1354404

2,4'-DDD #2

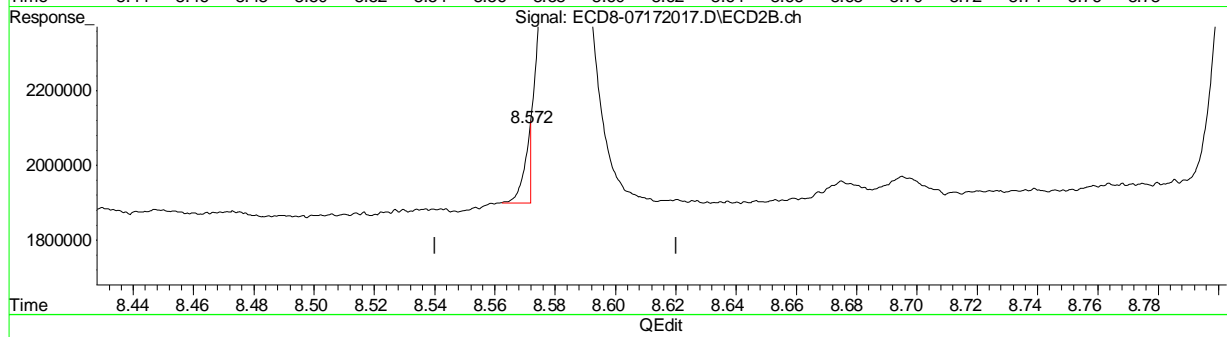
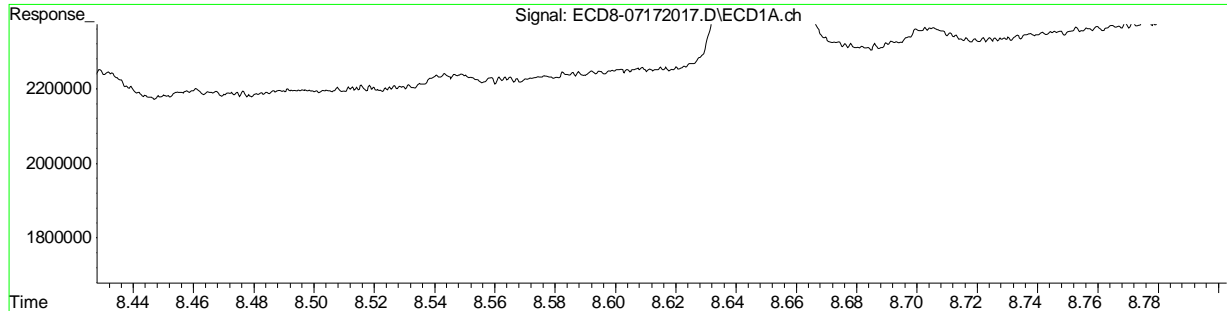


R = 2.62e+003 A*A + 1.94e+006 A + 4.12e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation

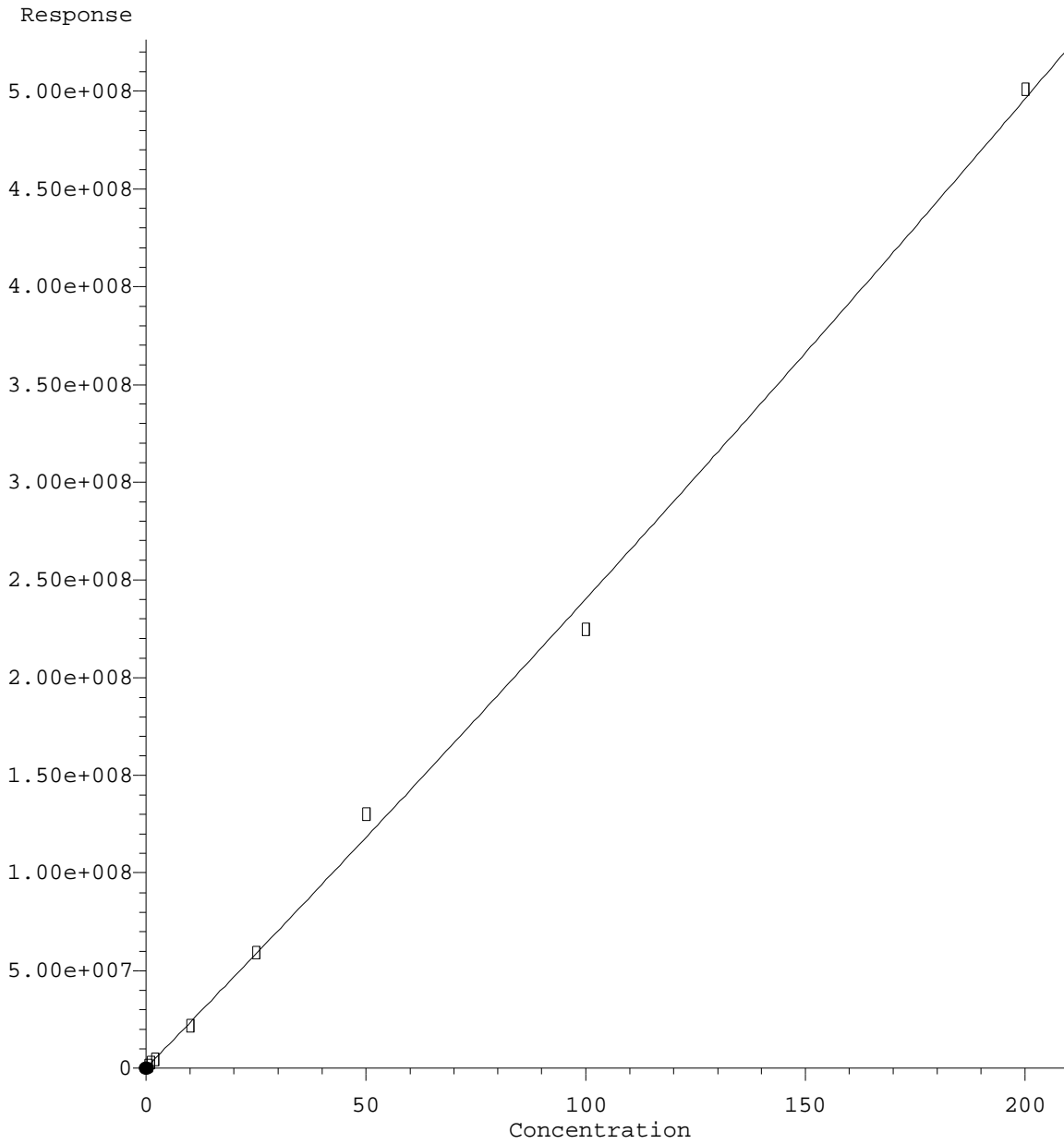


(28) 2,4'-DDD
7.691min -0.111 ng/mL m
response 188352

MJB 7/20/20

(28) 2,4'-DDD #2
8.572min -0.108 ng/mL m
response 203859

2,4'-DDT

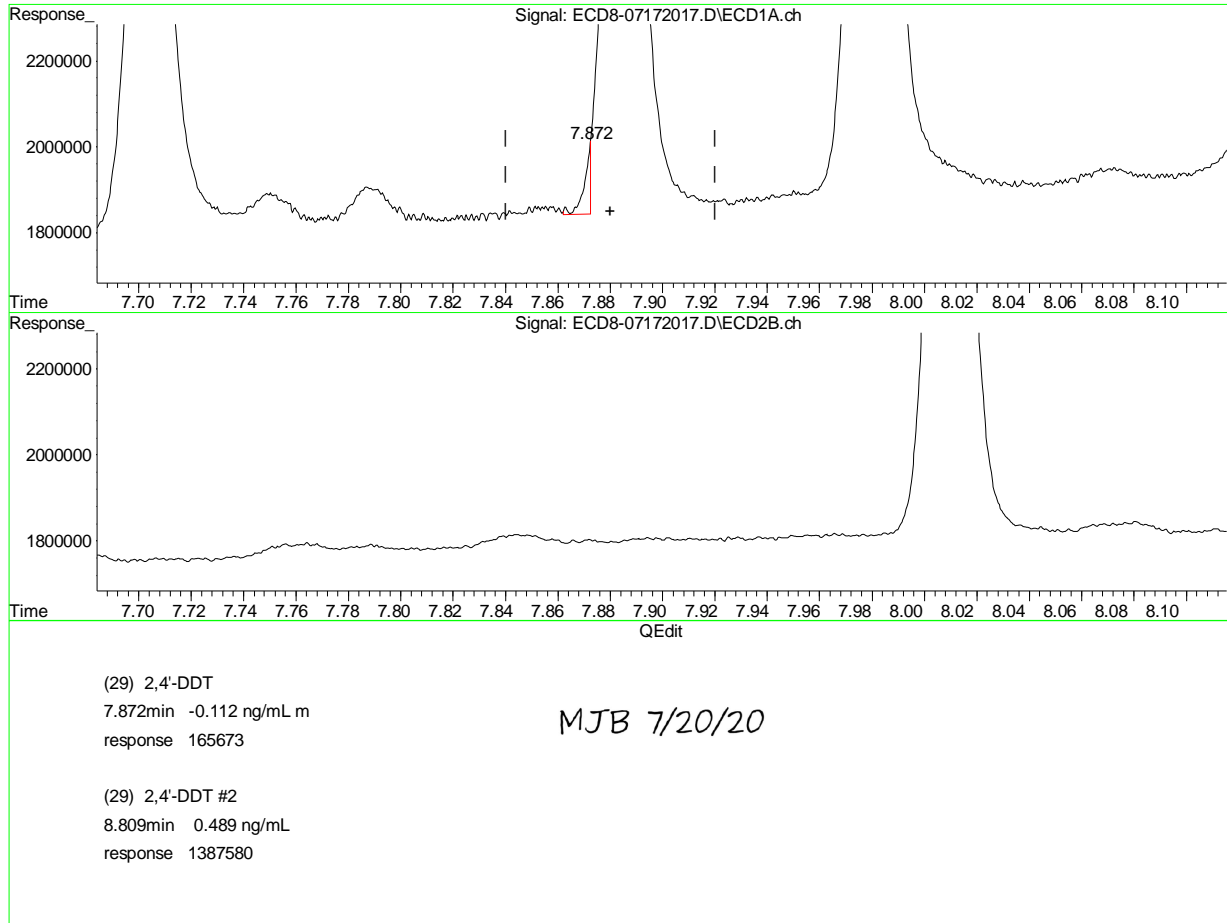


$R = 8.19e+002 A^2 + 2.32e+006 A + 4.25e+005$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

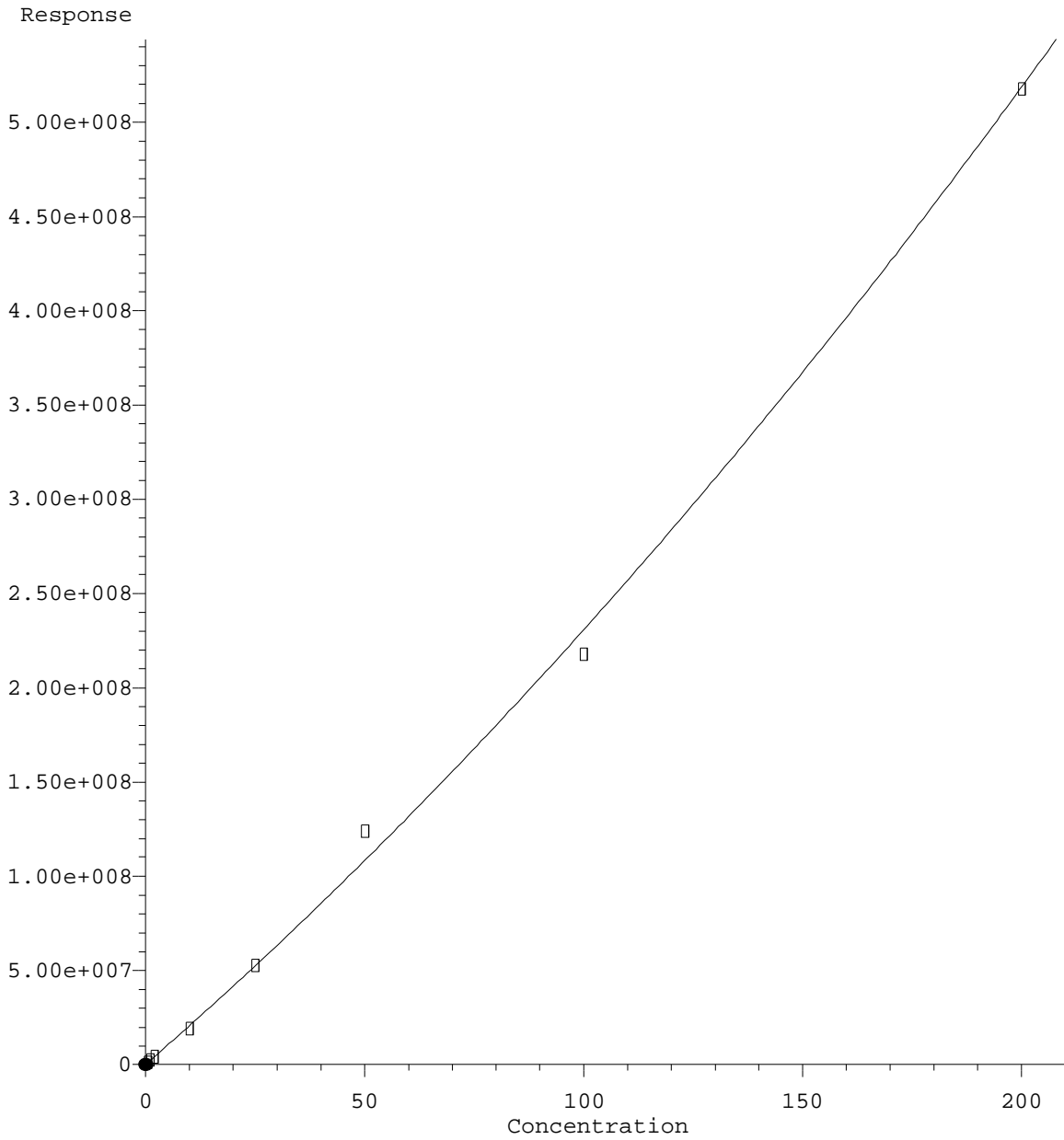
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:22:45 2020

2,4'-DDT #2

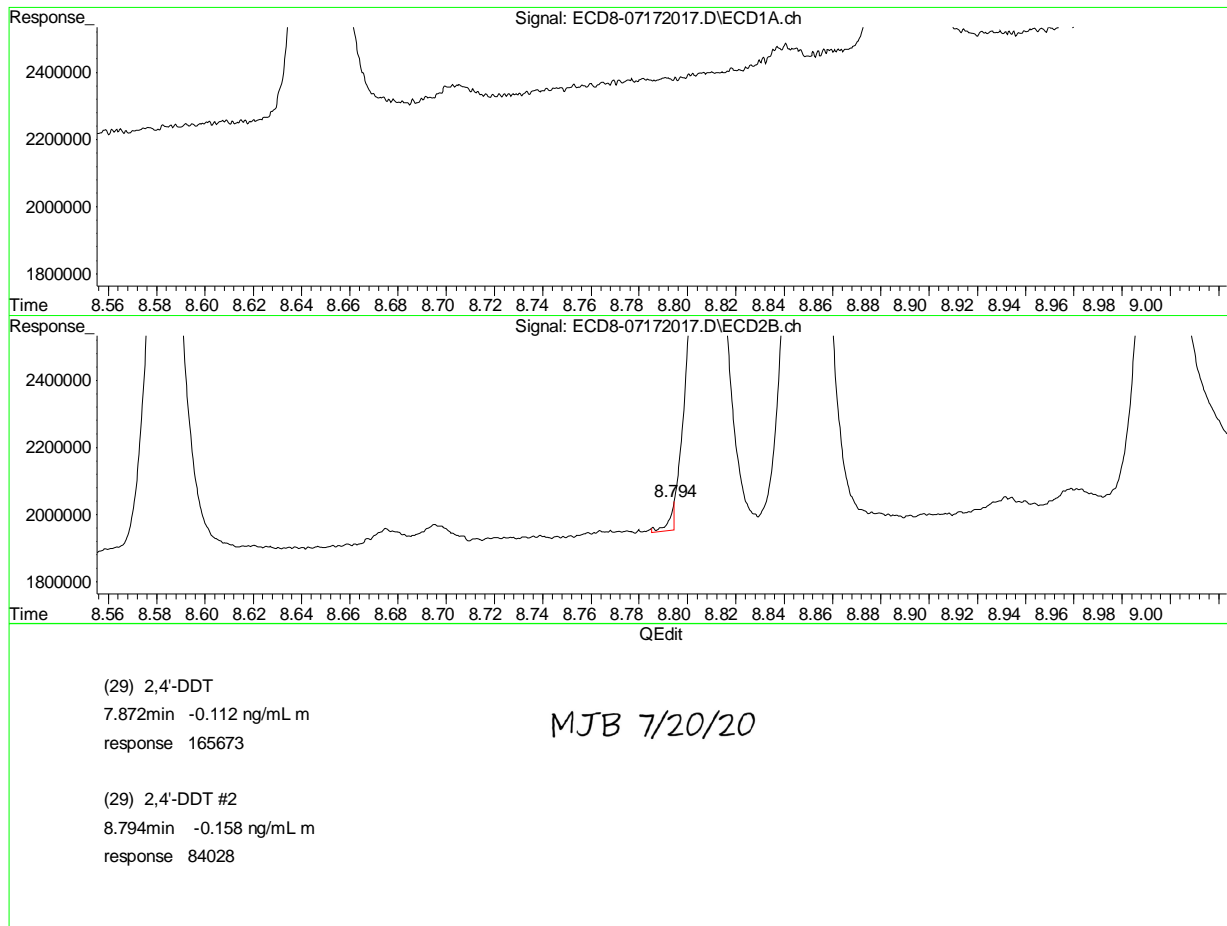


R = 2.89e+003 A*A + 2.01e+006 A + 4.03e+005
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

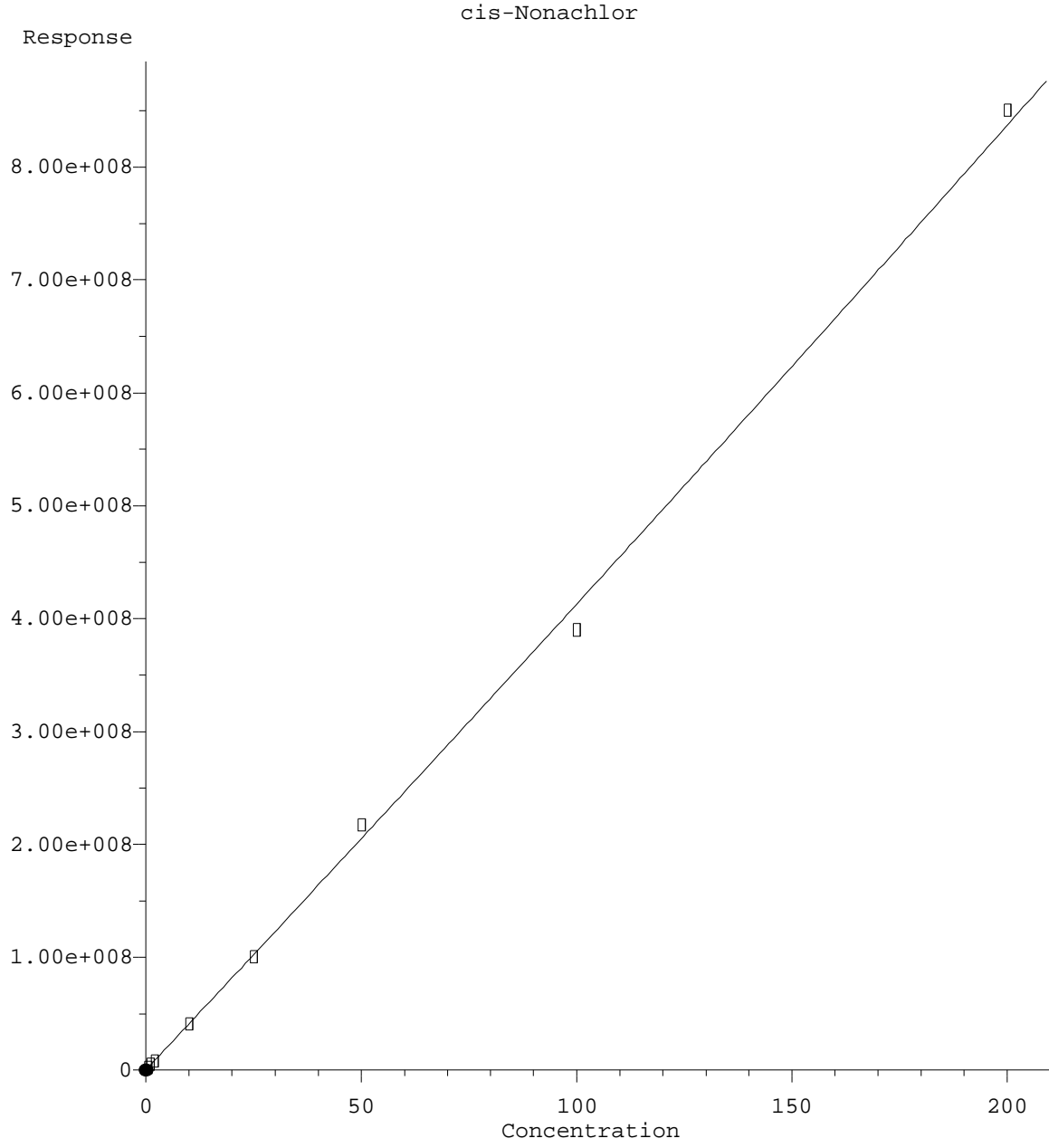
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:22:52 2020

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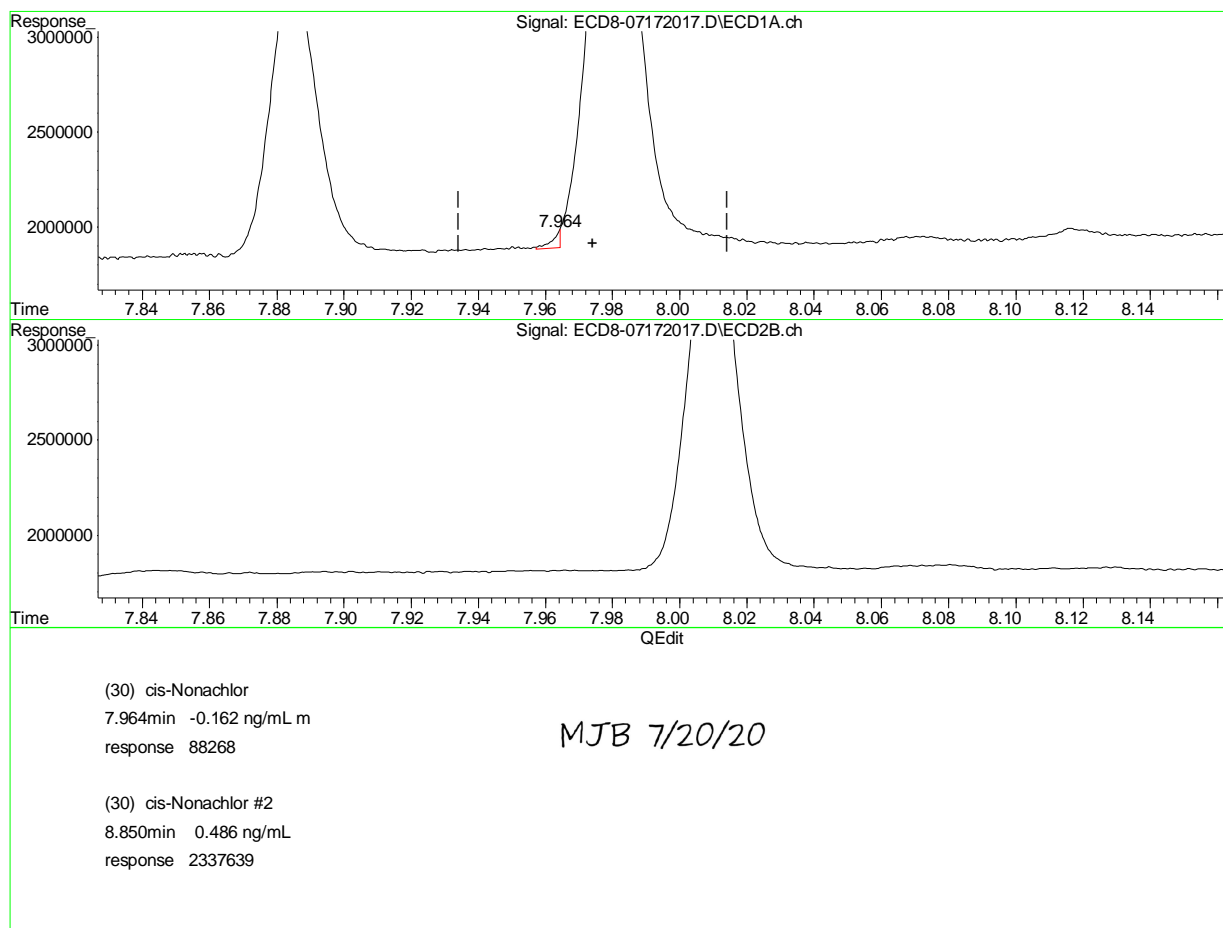


$R = 6.20e+002 A^2 + 4.06e+006 A + 7.47e+005$
 Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

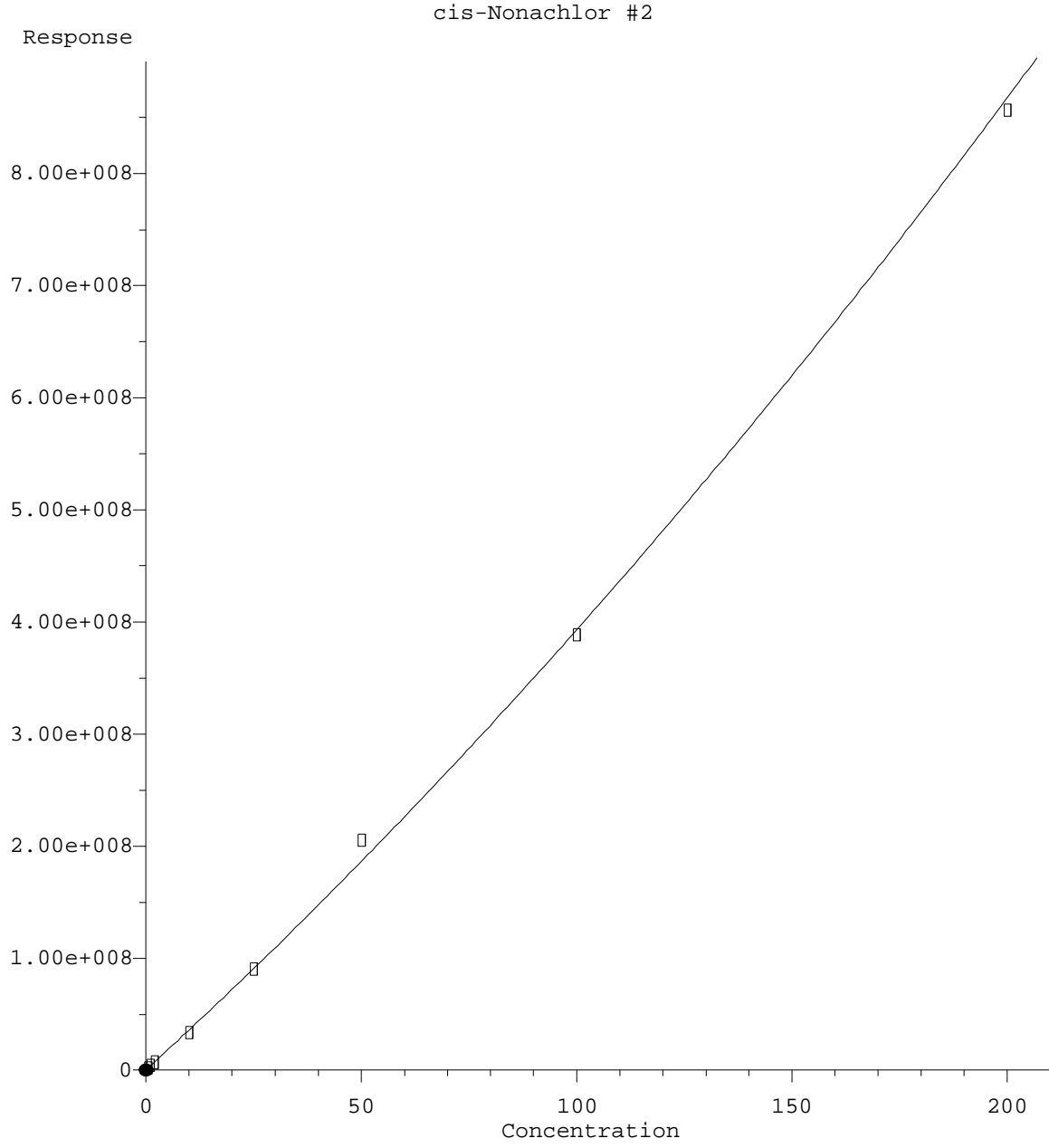
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:23:00 2020

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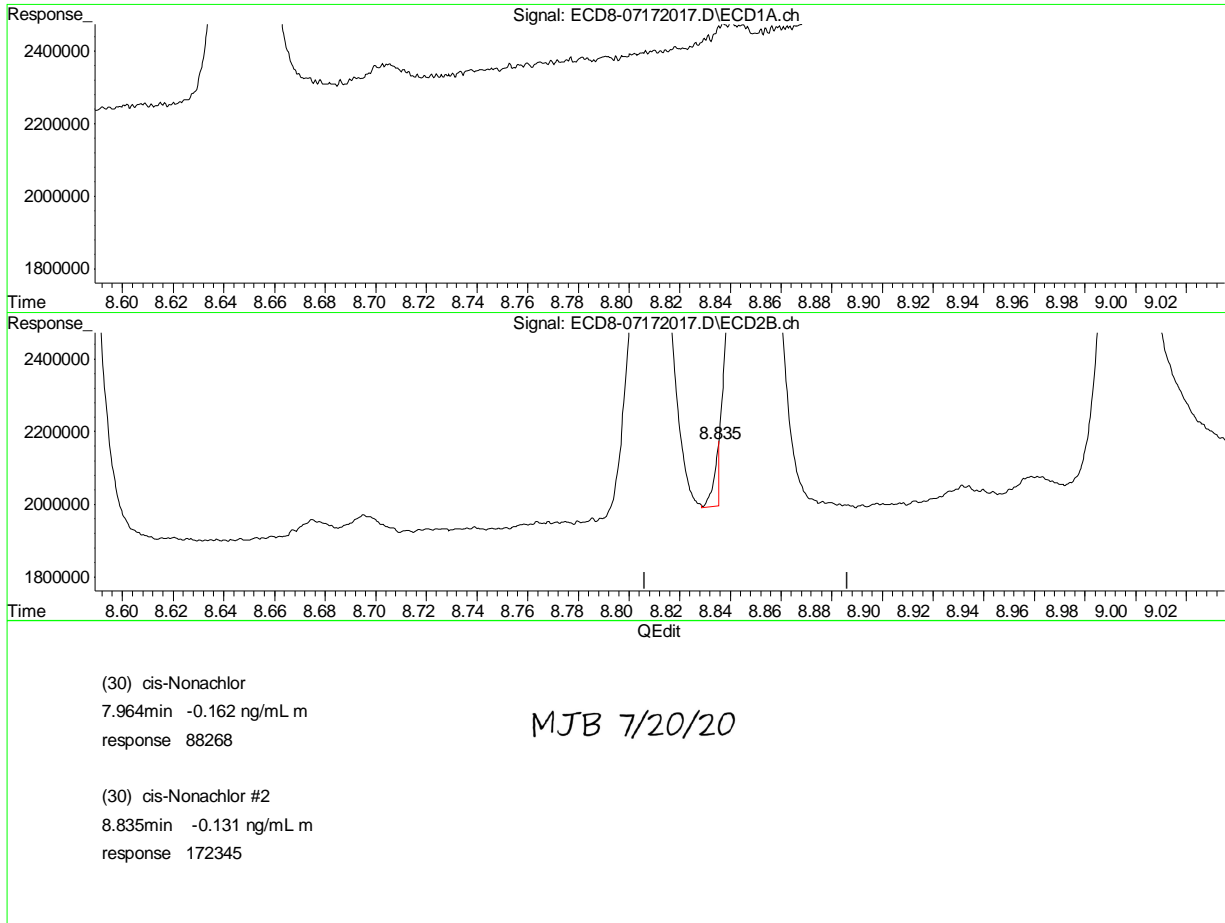


$R = 4.13e+003 A^2 + 3.51e+006 A + 6.33e+005$
 Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

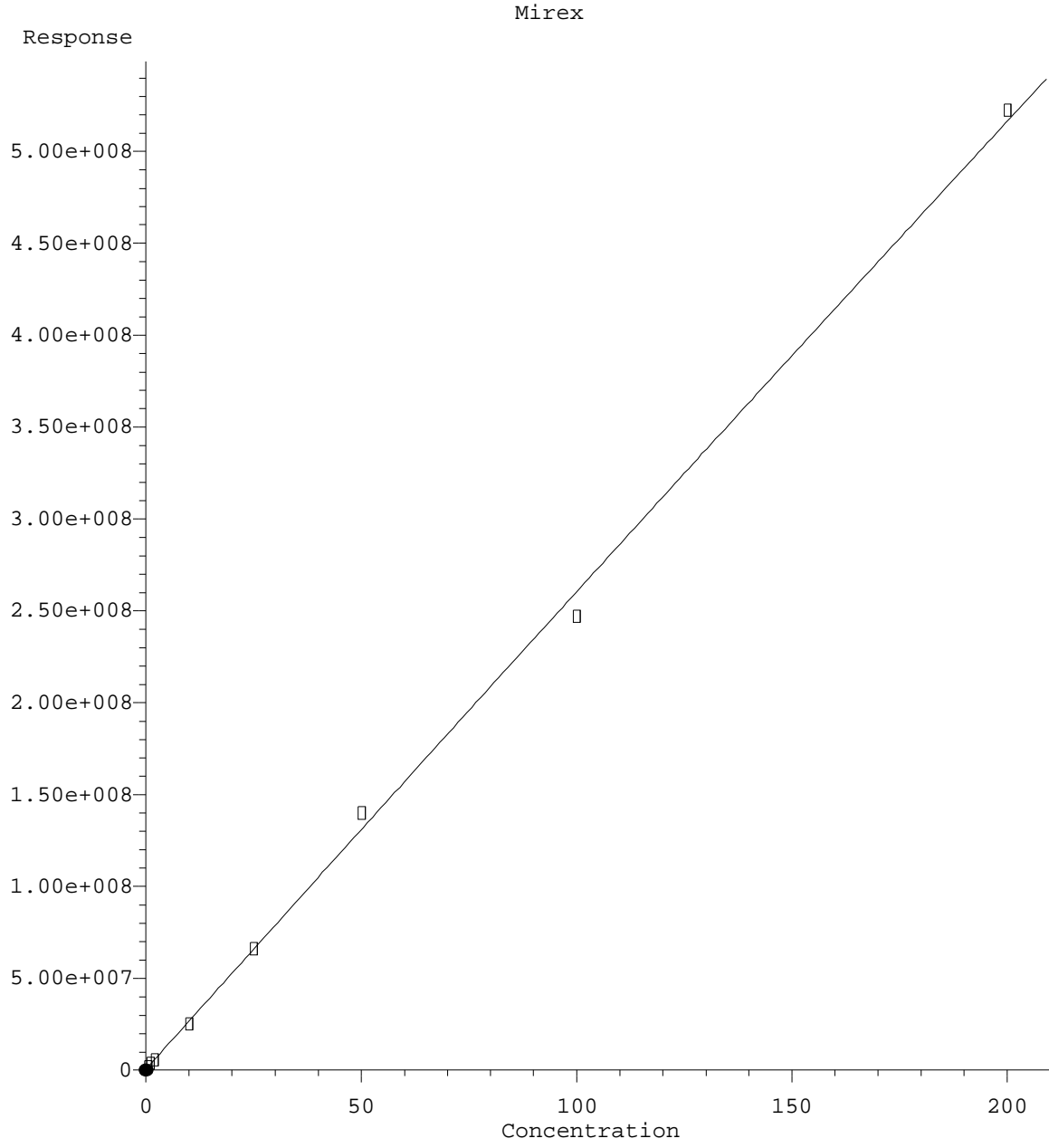
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:23:09 2020

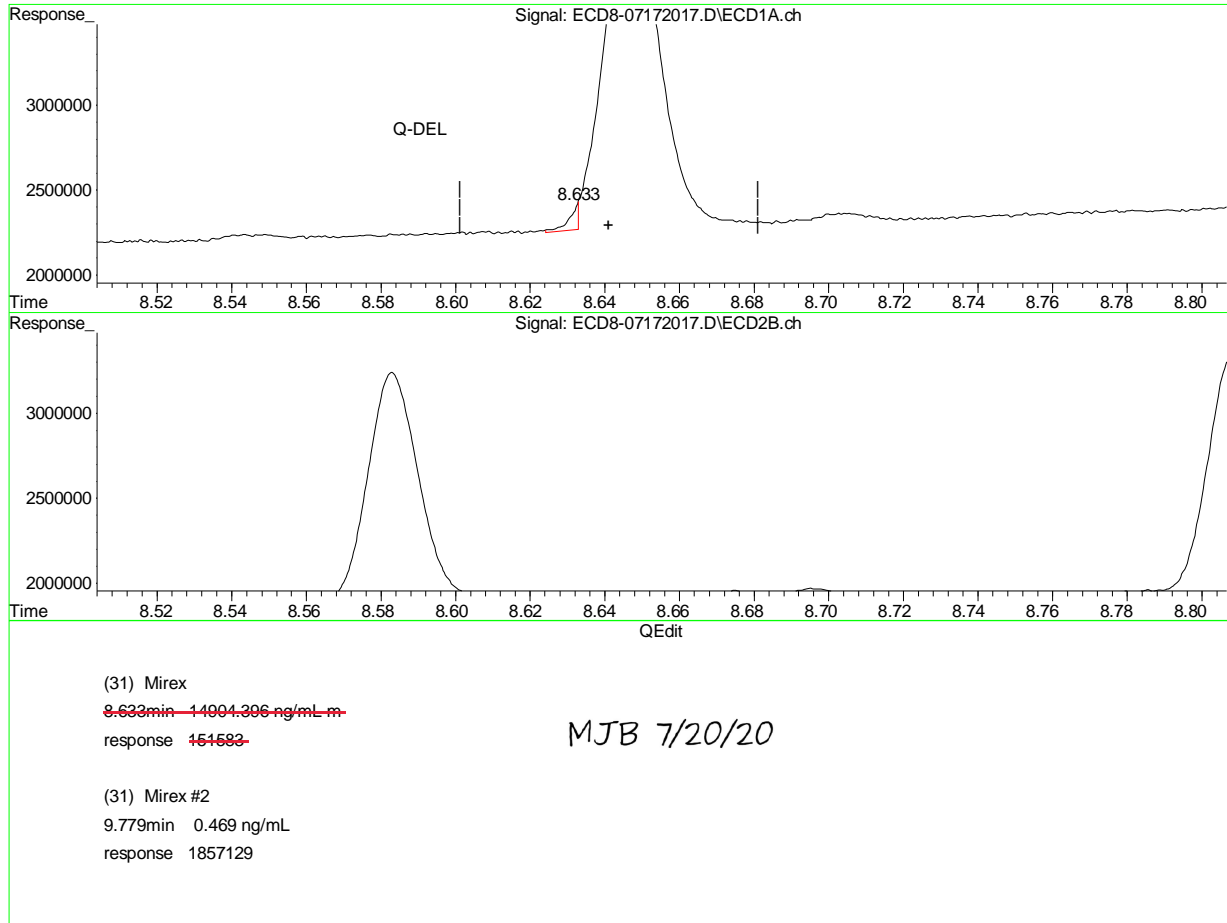


$R = -1.75e+002 A^2 + 2.61e+006 A + 7.50e+005$
 Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

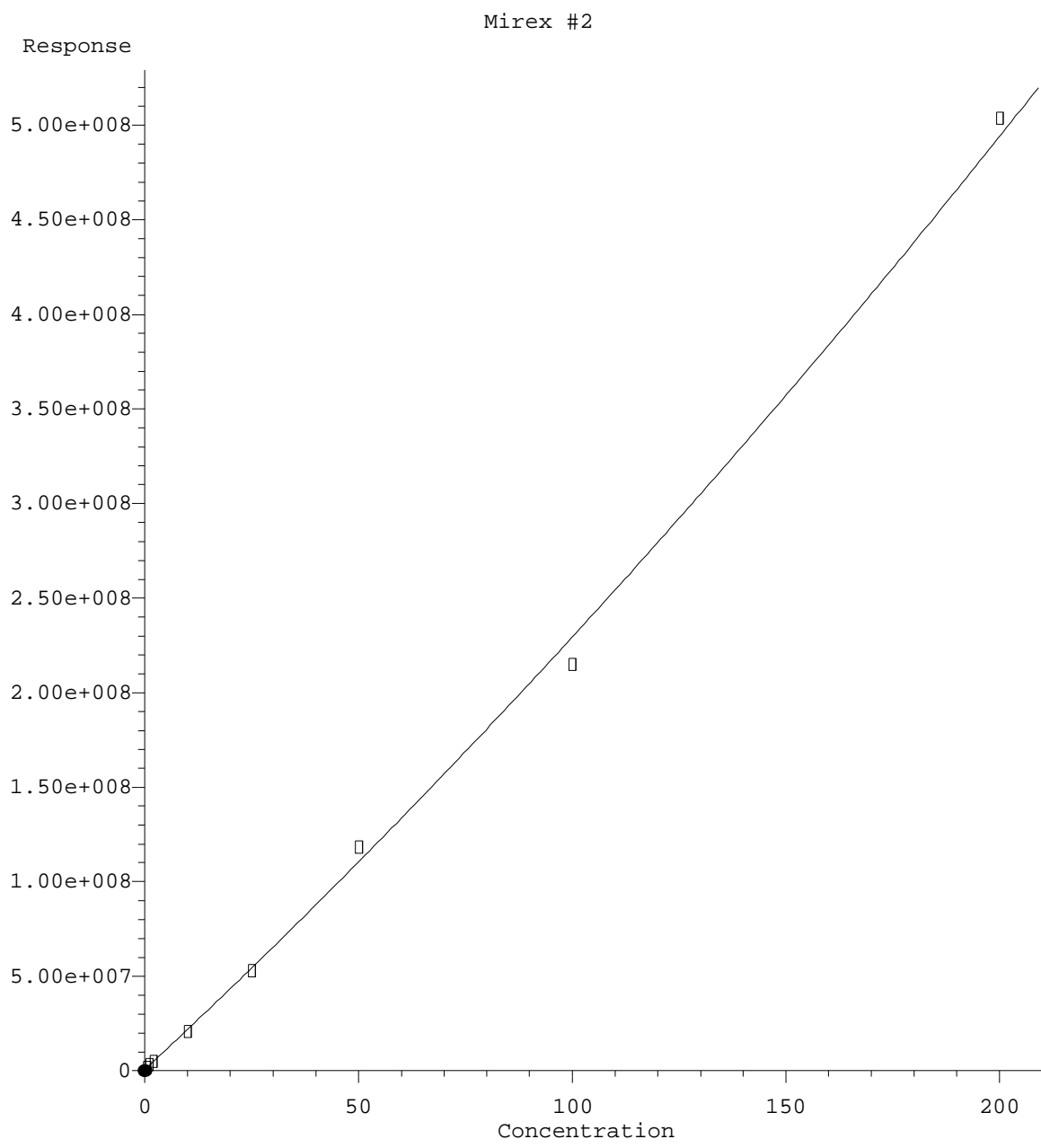
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:23:22 2020

Page: 1

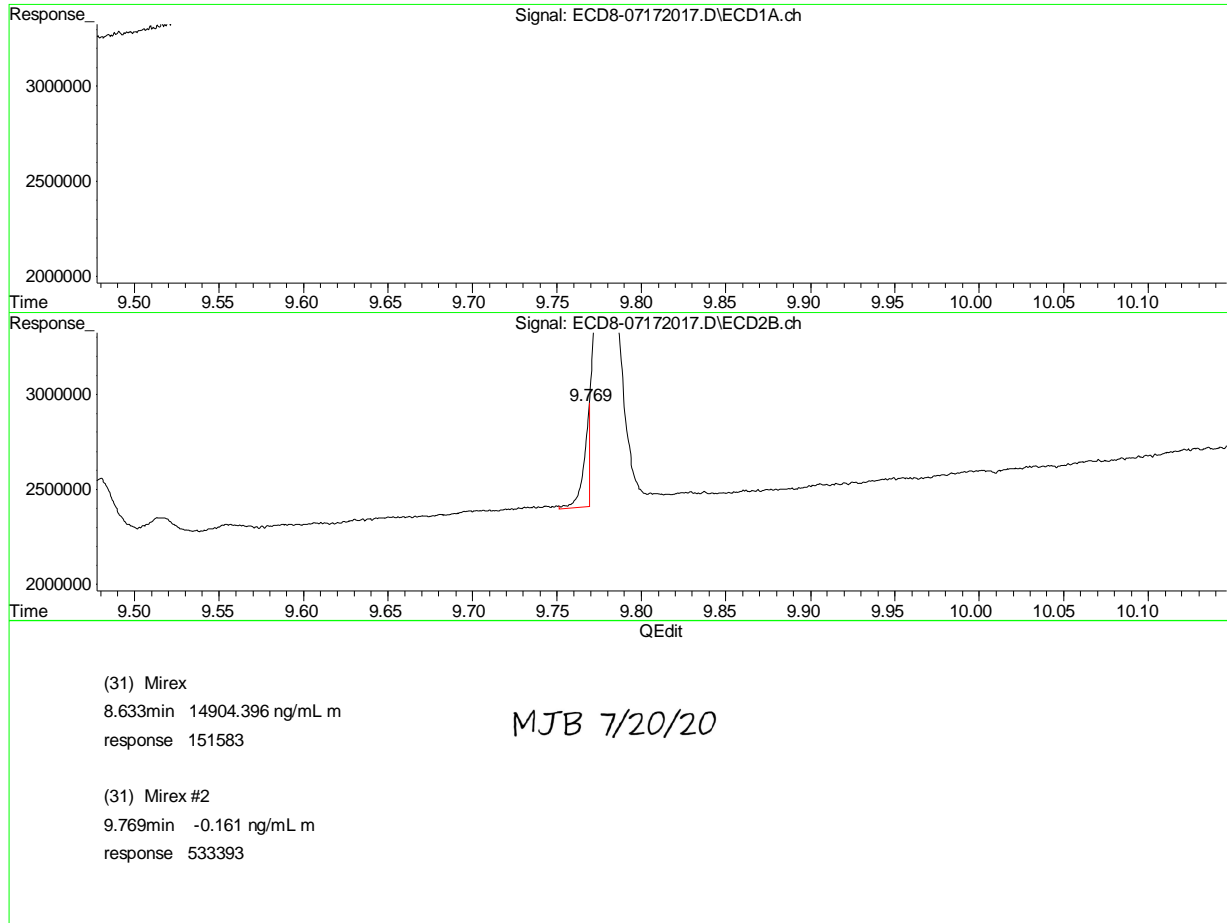


$R = 1.82e+003 A^2 + 2.10e+006 A + 8.71e+005$
 Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

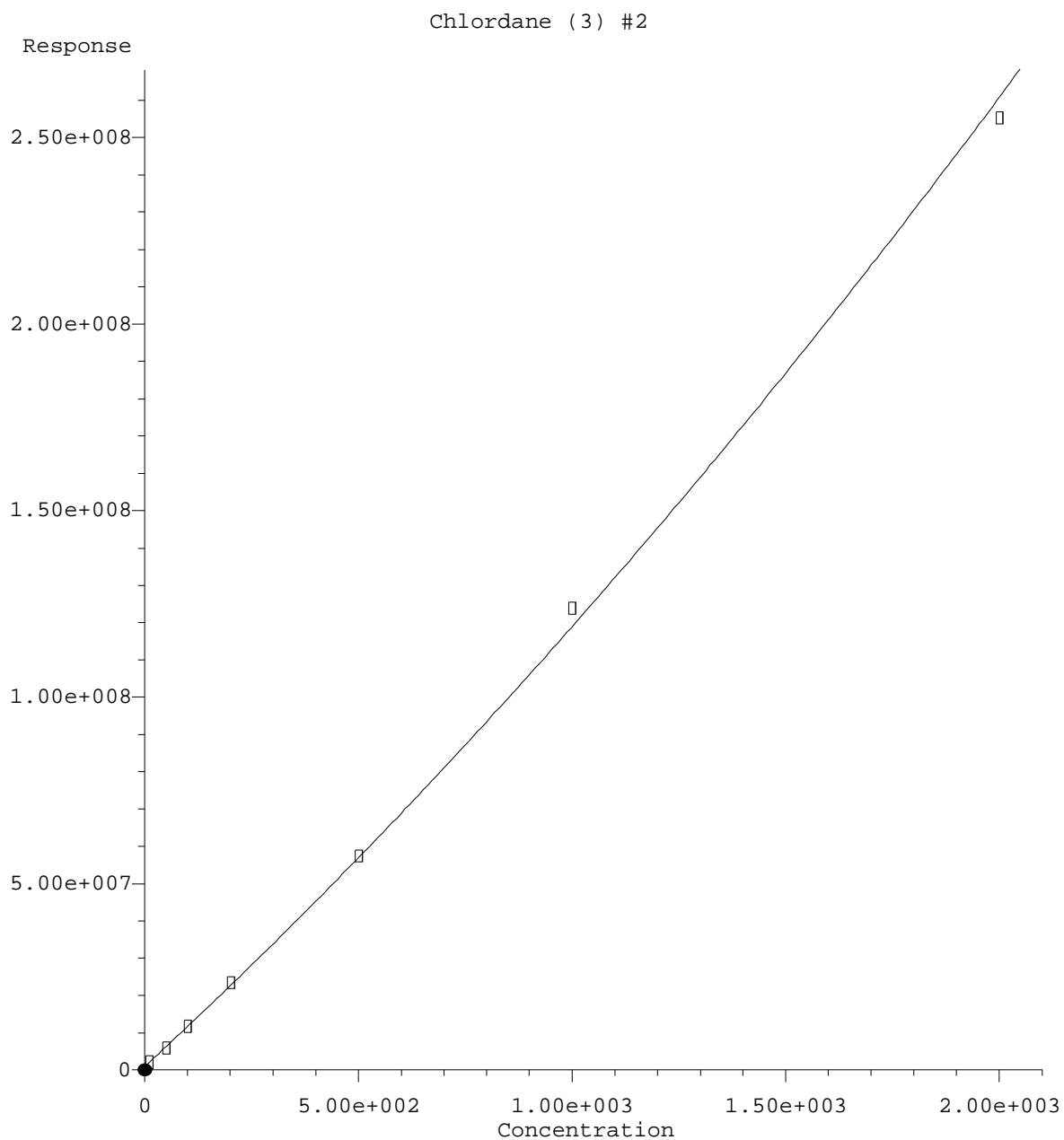
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:23:31 2020

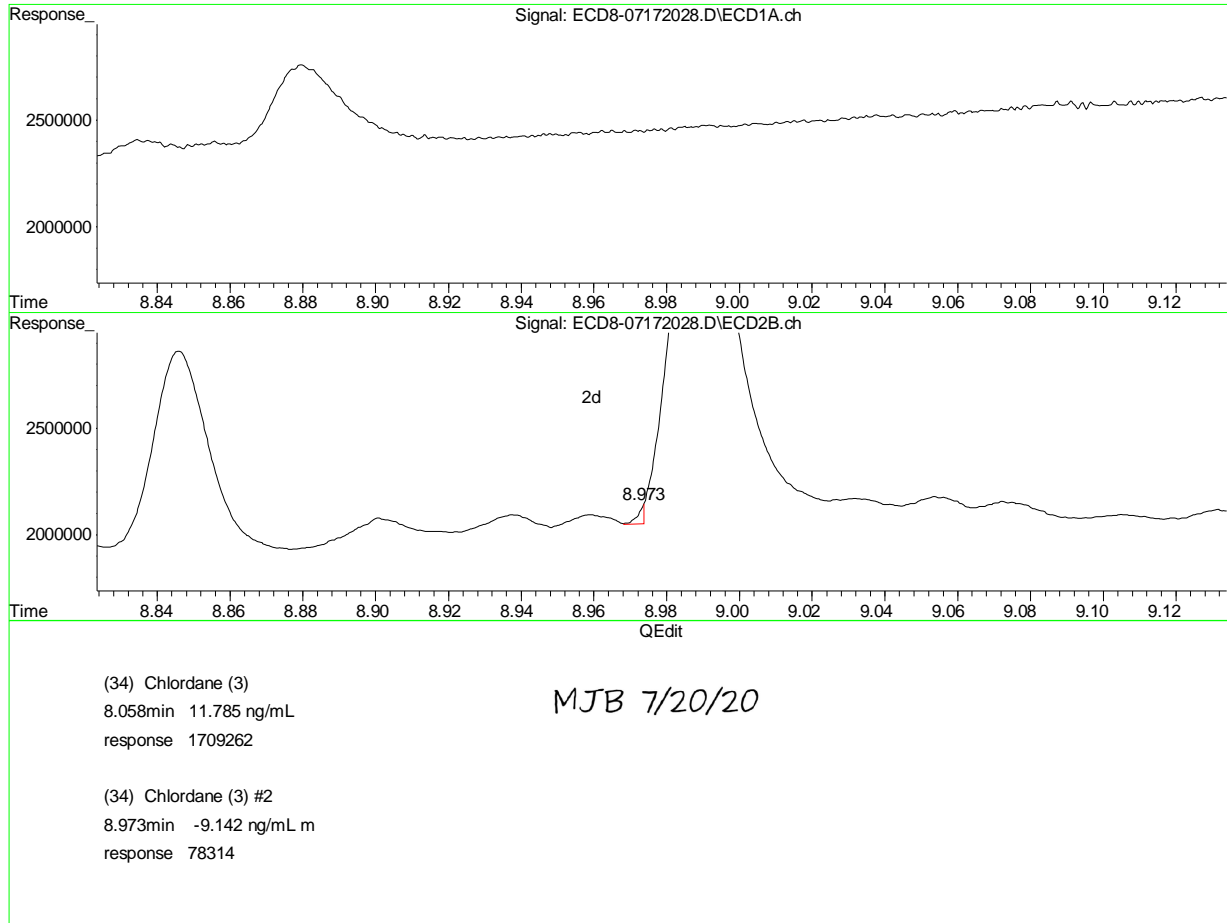


$R = 1.20e+001 A^2 + 1.06e+005 A + 1.05e+006$
 Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

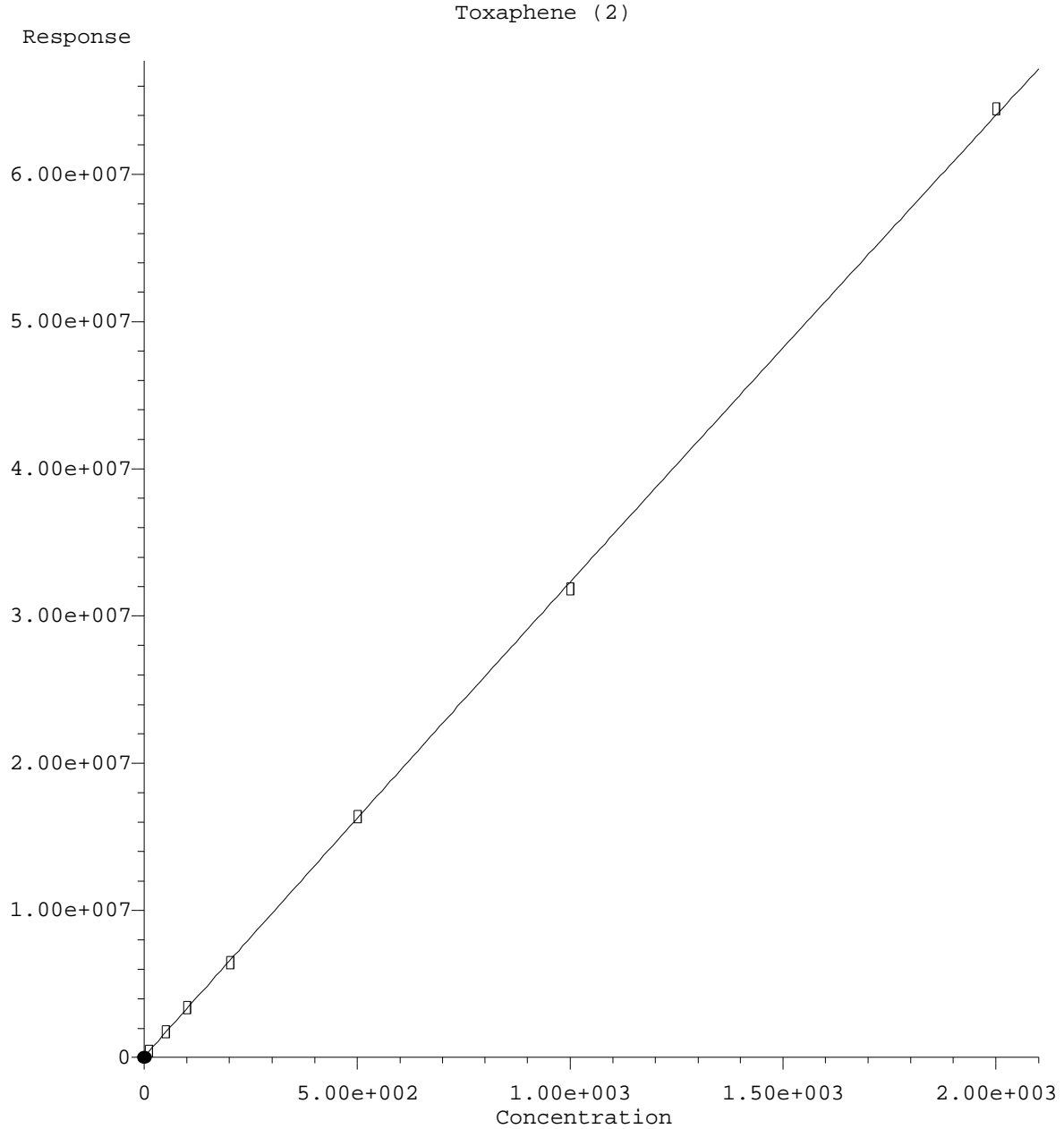
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 00:28
Operator : MJB
Sample : 0G17041-CALJ
Misc : A20G271, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:46:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:24:04 2020

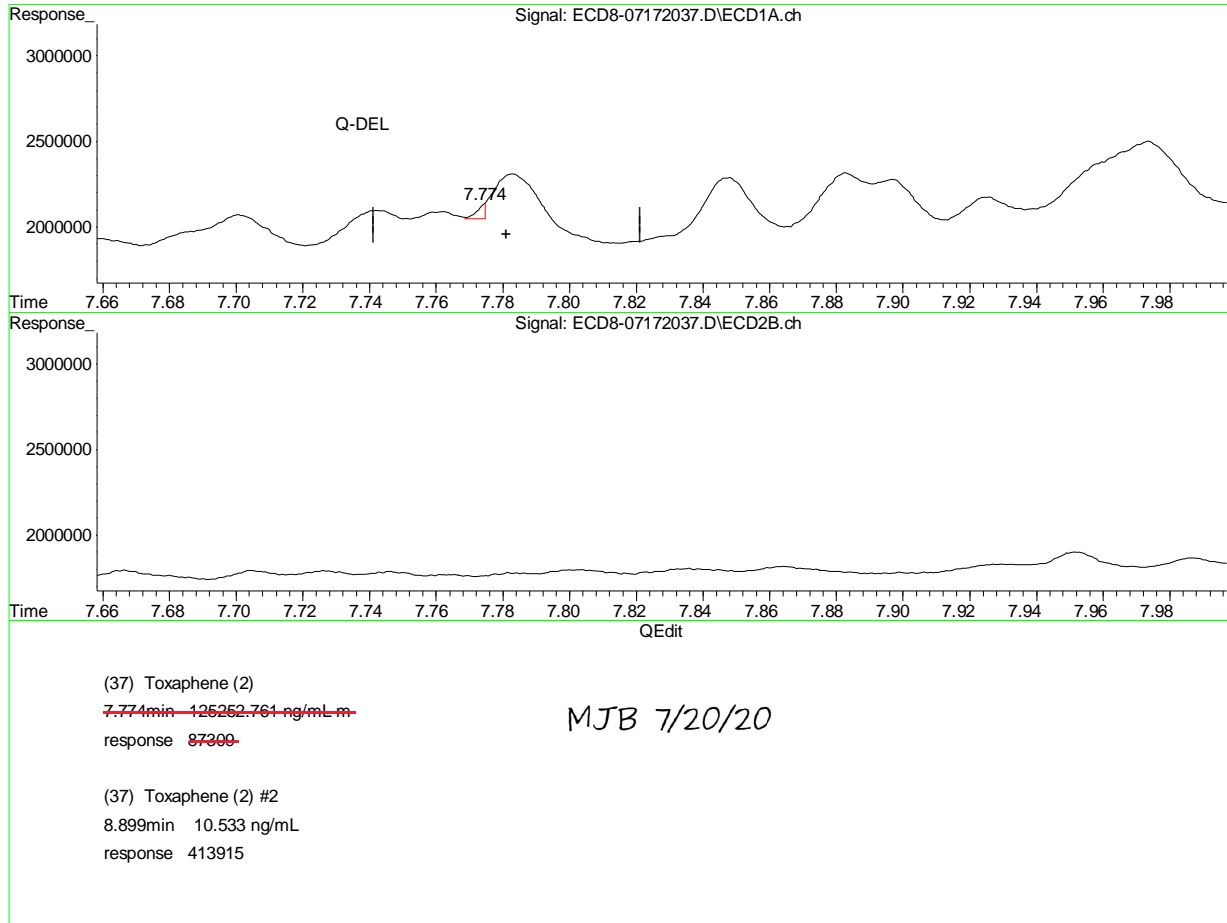


$R = -2.59e-001 A^2 + 3.25e+004 A + 1.01e+005$
 Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

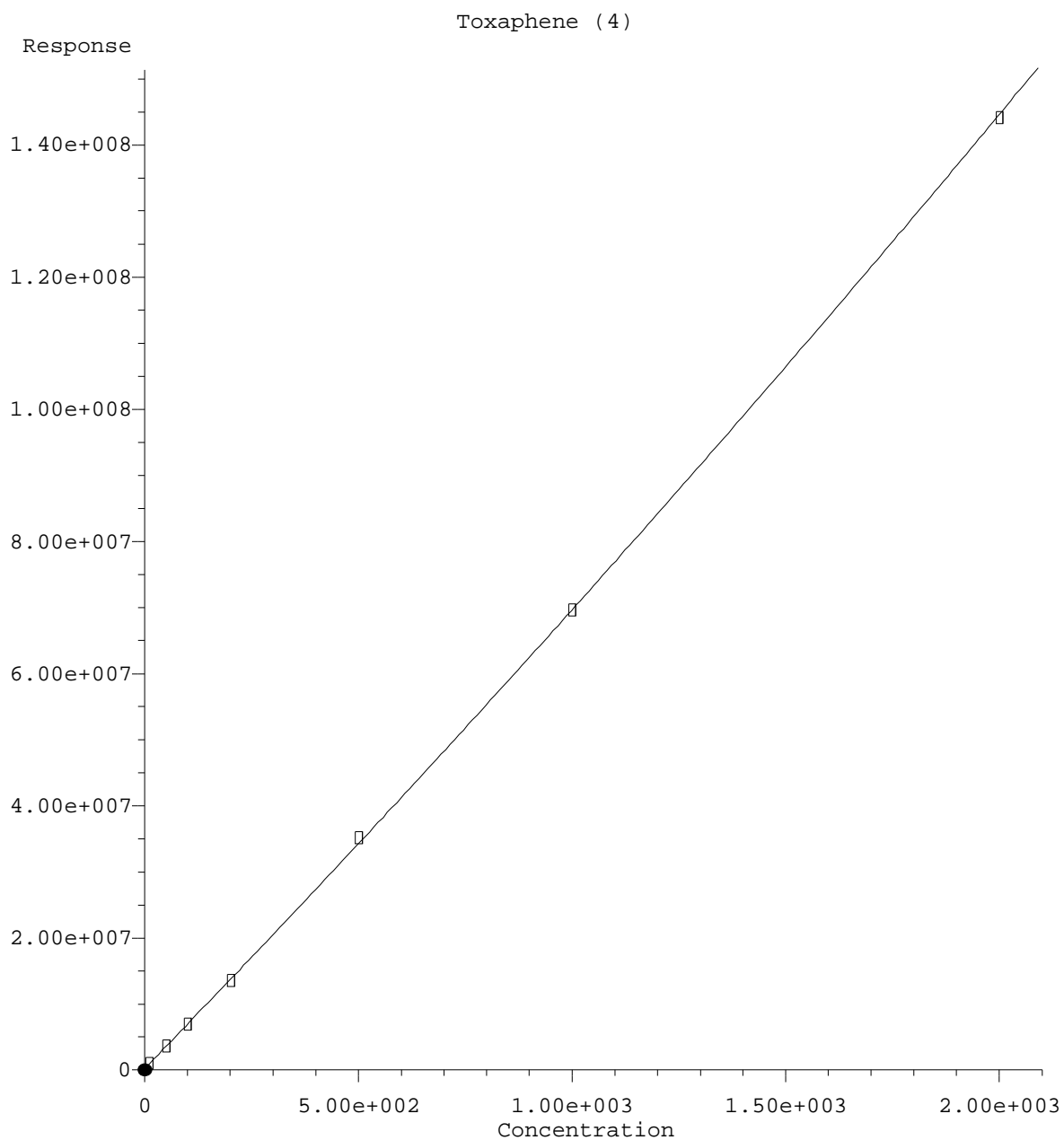
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:57
Operator : MJB
Sample : 0G17041-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 16:48:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:24:38 2020

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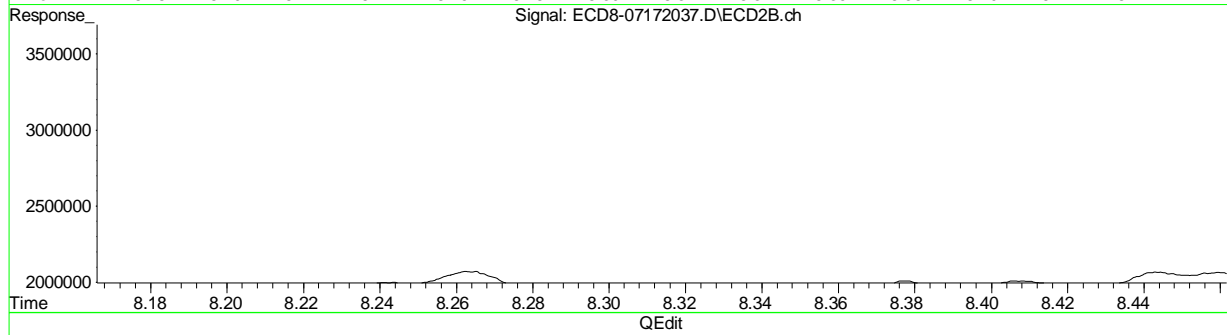
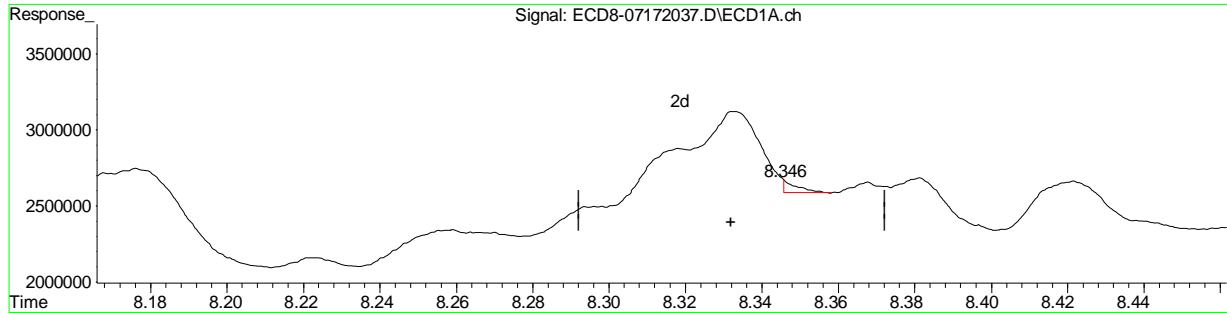


$R = 2.81e+000 A^2 + 6.65e+004 A + 3.32e+005$
 Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w($1/a^2$)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:57
Operator : MJB
Sample : 0G17041-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 16:48:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(39) Toxaphene (4)
8.346min -3.697 ng/mL m
response 86003

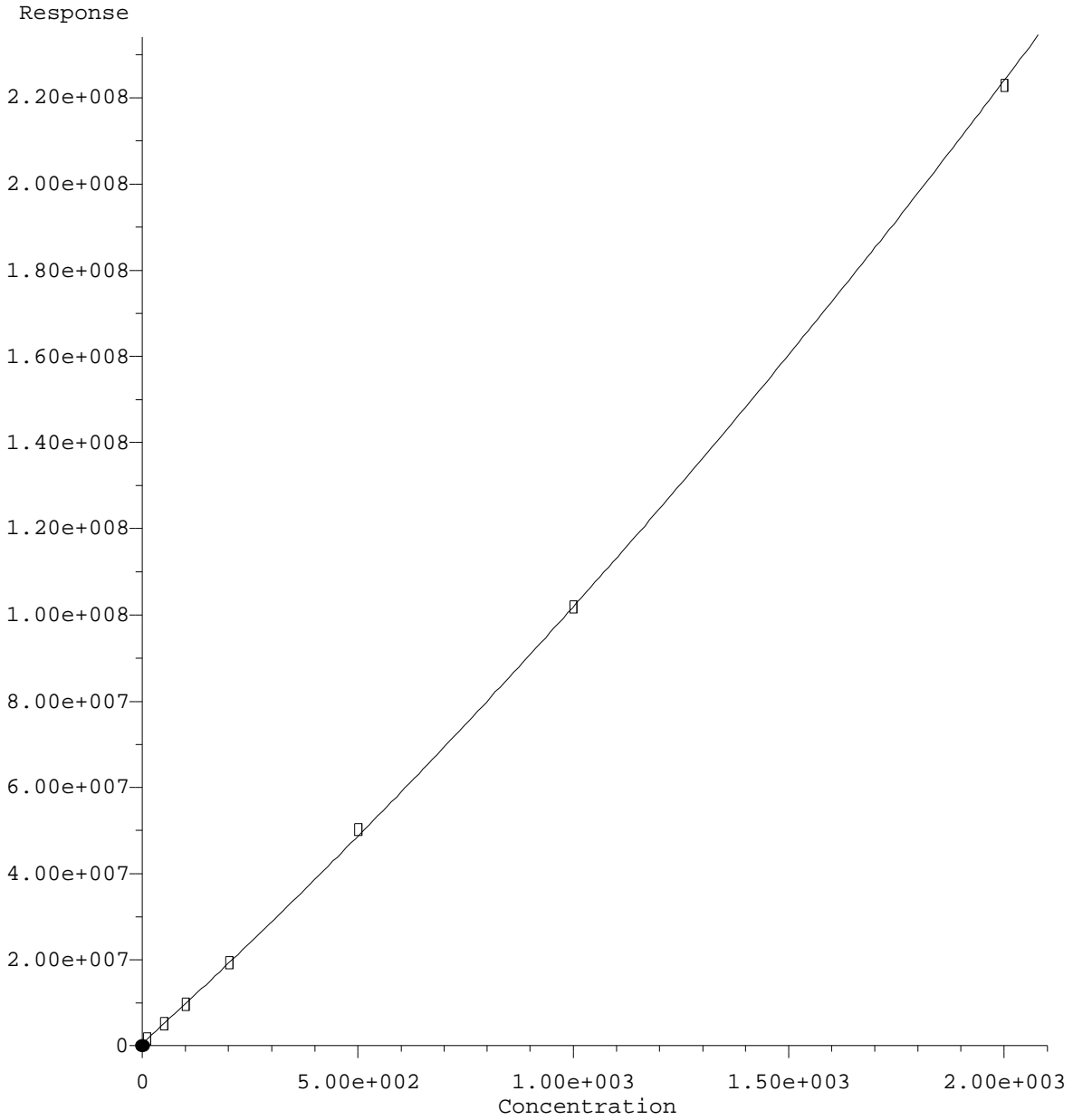
MJB 7/20/20

(39) Toxaphene (4) #2
8.999min 10.037 ng/mL
response 1563268

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 17:24:49 2020

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Toxaphene (4) #2

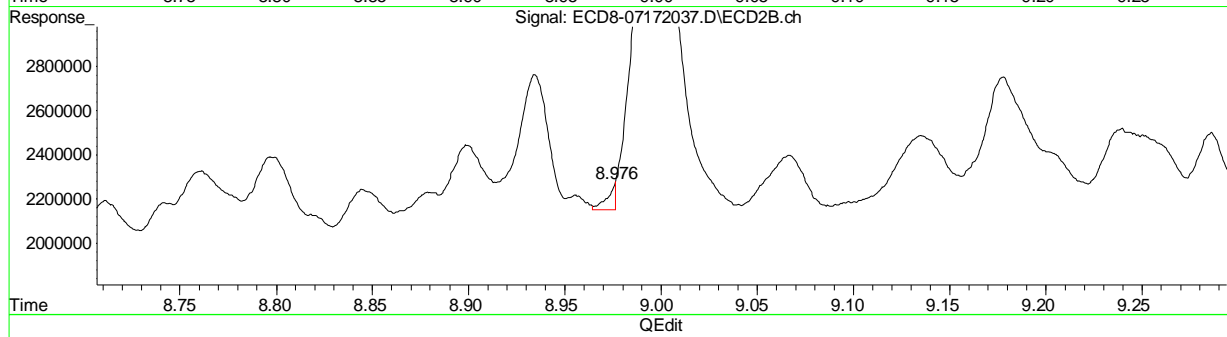
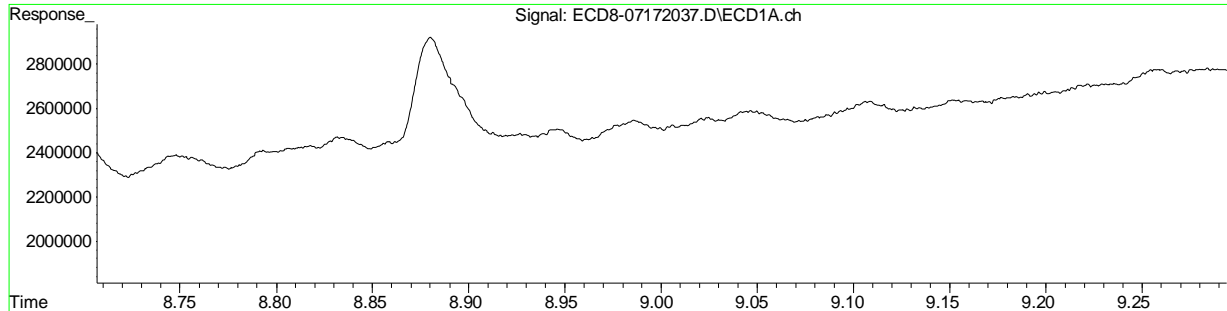


R = 1.04e+001 A*A + 9.09e+004 A + 6.50e+005
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:57
Operator : MJB
Sample : 0G17041-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 16:48:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(39) Toxaphene (4)
8.346min -3.697 ng/mL m
response 86003

MJB 7/20/20

(39) Toxaphene (4) #2
8.976min -5.827 ng/mL m
response 120555

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:08
 Operator : MJB
 Sample : 0G17041-ICB1
 Misc : A20E115
 ALS Vial : 3 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:35:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.392	6.080	330.7E6	334.4E6	88.609	95.272
22) S DCBP (S)	9.598	10.663	272.4E6	199.1E6	89.397	89.457
Target Compounds						
2) a-BHC	5.942	0.000	46794	0	0.010	N.D. #
3) g-BHC	6.245f	7.007	22119	14232	0.005	0.003 #
4) b-BHC	6.293	7.061	23266	9612	0.012	0.005 #
5) Heptachlor	6.631	7.376	37345	14178	0.009	BelowCal #
6) d-BHC	0.000	7.321	0	28511	N.D.	0.040 #
7) Aldrin	6.873	7.663	39829	149206	0.009	0.032 #
8) Heptachlo...	0.000	8.083	0	16473	N.D.	0.004 #
9) trans-Chl...	7.423	8.233	118260	402959	0.029	0.109 #
10) cis-Chlor...	7.515	8.327	324907	19181	0.079	0.005 #
11) Endosulfa...	7.626	8.381	26446	14164	0.007	0.004 #
12) 4,4'-DDE	7.567	8.433	31634	13047	0.008	0.022 #
13) Dieldrin	7.785	8.584	22973	13648	0.005	0.004 #
14) Endrin	0.000	8.816	0	31154	N.D.	BelowCal
15) 4,4'-DDD	8.018	8.853	17234	24881	0.005	0.016 #
16) Endosulfa...	8.125	8.933f	37408	17598	0.012	0.006 #
17) 4,4'-DDT	0.000	9.076	0	67837	N.D.	0.011 #
18) Endrin Al...	8.399	9.203	152145	51414	0.046	0.018 #
19) Endosulfa...	0.000	9.358f	0	62200	N.D.	BelowCal
20) Methoxychlor	8.542	9.561	86148	99109	0.057	0.067
21) Endrin Ke...	8.886	9.791	368005	188052	0.159	0.006 #
23) Hexachlor...	3.200f	3.778	61927	12820	BelowCal	BelowCal
24) Hexachlor...	5.773	6.567f	694488	84424	BelowCal	BelowCal
25) Oxychlorane	0.000	7.995	0	32979	N.D.	BelowCal
26) 2,4'-DDE	0.000	8.233f	0	402959	N.D.	BelowCal
27) trans-Non...	7.515	8.277	324907	55794	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.584	0	13648	N.D.	BelowCal
29) 2,4'-DDT	7.866	8.816	24671	31154	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:08
 Operator : MJB
 Sample : 0G17041-ICB1
 Misc : A20E115
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:35:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

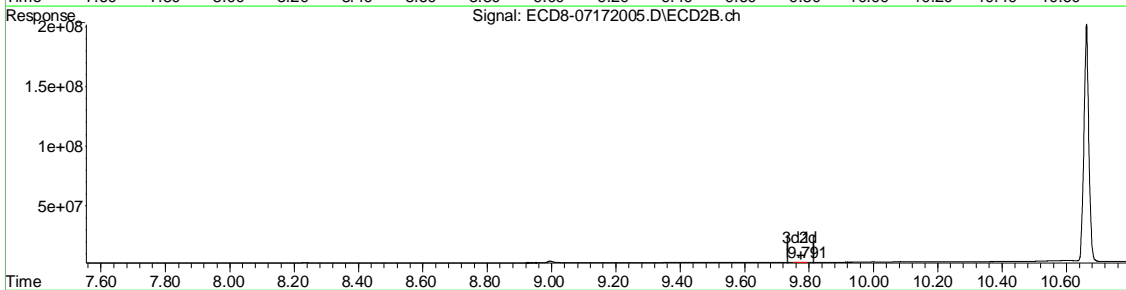
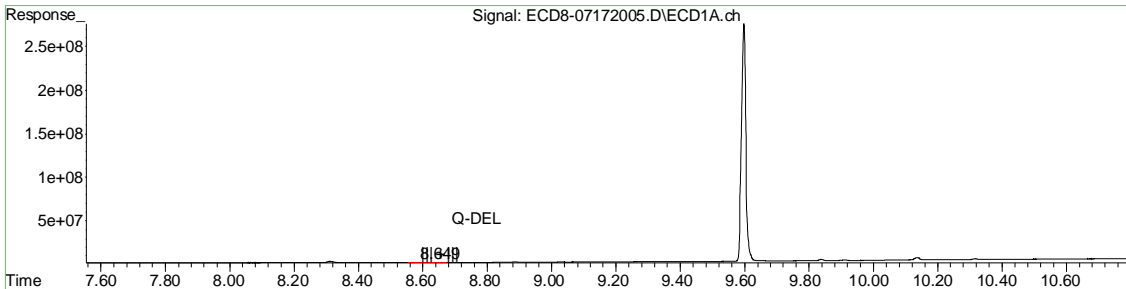
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.853	0	24881	N.D.	BelowCal
31)	Mirex	8.649	9.791	100541	188052	14904.415	BelowCal #
32)	Chlordane...	7.423	8.233	118260	402959	0.261	Q-DEL 0.912 #
33)	Chlordane...	7.515	8.318	324907	16355	0.591	0.044 #
34)	Chlordane...	8.018f	8.996	17234	1759410	0.119	6.741 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.475	8.562	25436	11445	1.479	Q-DEL 0.378 #
37)	Toxaphene...	7.785	8.899	22072	9449	125254.742	0.240 #
38)	Toxaphene...	8.125f	8.933	37408	17598	0.496	0.278 #
39)	Toxaphene...	8.312f	8.996	1572318	1759410	18.623	12.189 #
40)	Toxaphene...	8.542	9.168	86148	99681	1.542	1.756
41)	Toxaphene...	8.649f	9.561	100541	99109	1.308	1.531
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:08
Operator : MJB
Sample : 0G17041-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:35:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Retention Time (min)	Concentration (ng/mL)	Response
8.649	14904.415	100544
9.791	-0.325	188052

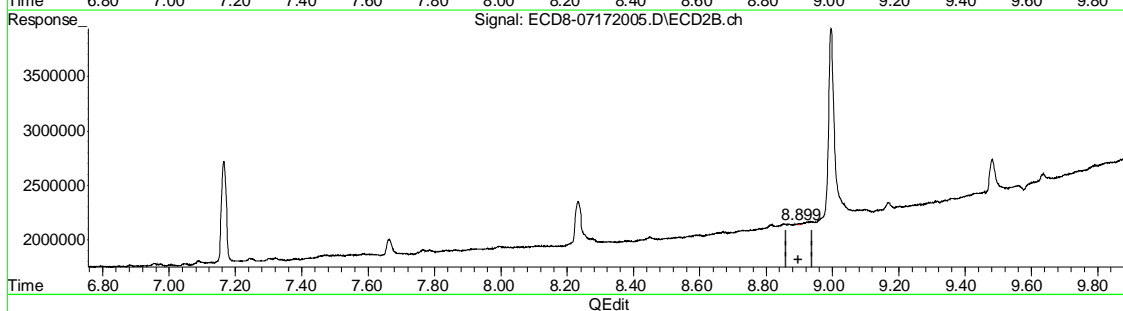
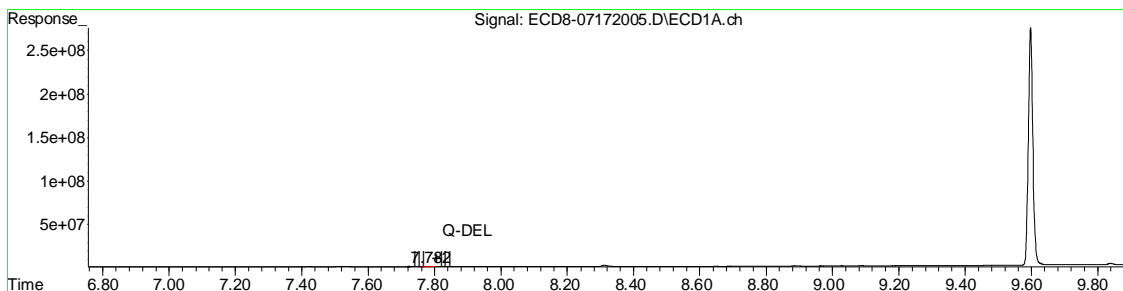
MJB 7/20/20

(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 15:36:44 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:08
Operator : MJB
Sample : 0G17041-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:35:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



(37) Toxaphene (2)
~~7.795min 126264.742 ng/mL~~
~~response 22073~~

MJB 7/20/20

(37) Toxaphene (2) #2
8.899min 0.240 ng/mL
response 9449

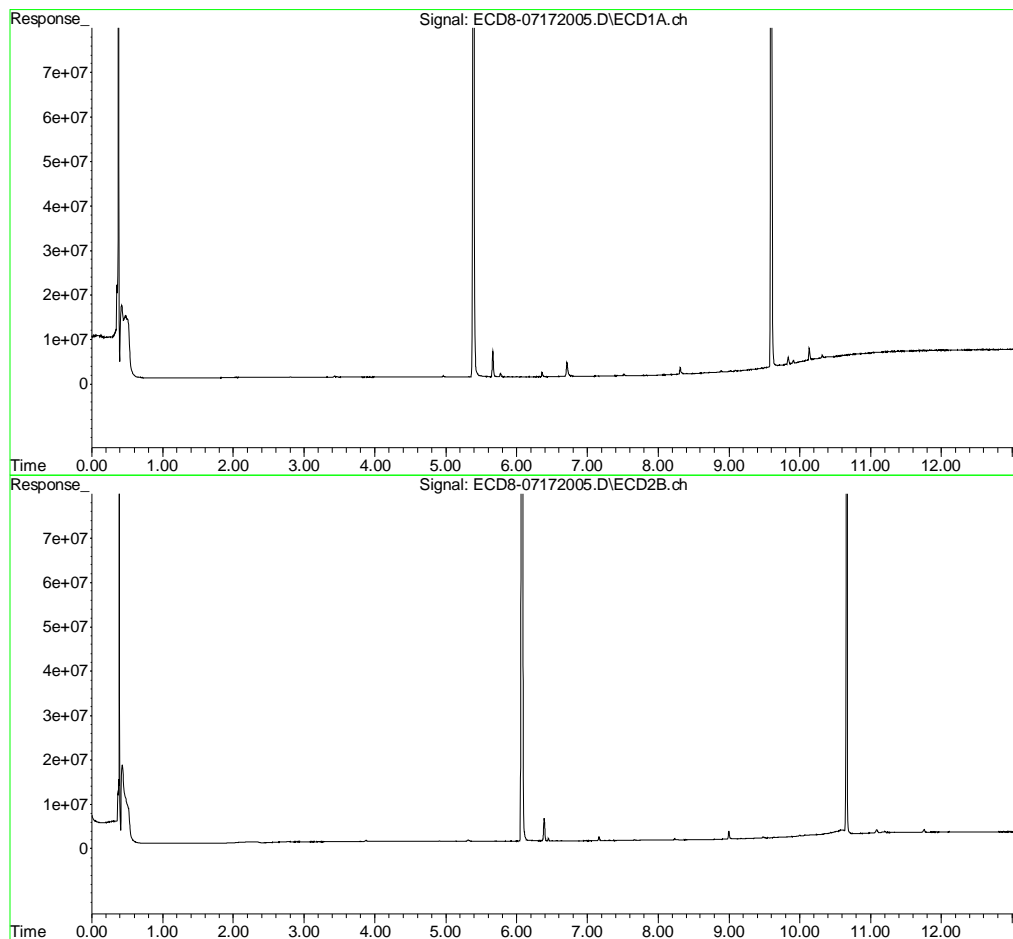
(+) = Expected Retention Time
ECD8_QUANTPEST_200717.M Mon Jul 20 15:37:00 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:08
Operator : MJB
Sample : 0G17041-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:35:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:53
 Operator : MJB
 Sample : 0G17041-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:37:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.079	44198	39577	0.012	0.011
22) S DCBP (S)	9.617f	10.659	350790	462766	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.936	6.685	71662	36101	0.015	0.049 #
3) g-BHC	6.222	7.000	45257	31629	0.010	0.007 #
4) b-BHC	6.294	7.067	210348	44420	0.106	0.024 #
5) Heptachlor	0.000	7.405f	0	158213	N.D.	0.008 #
6) d-BHC	6.449	7.321	64166	74210	0.016	0.052 #
7) Aldrin	6.878	7.643	193170	25391	0.044	BelowCal #
8) Heptachlo...	7.327	8.083	36742	50738	0.009	0.014 #
9) trans-Chl...	7.425	8.235	222754	240955	0.054	0.065
10) cis-Chlor...	7.520	8.342	219343	124359	0.053	0.035 #
11) Endosulfa...	7.620	8.378	55776	87352	0.015	0.026 #
12) 4,4'-DDE	7.580	8.431	76535	43574	0.019	0.031 #
13) Dieldrin	7.788	8.580	52032	51337	0.012	0.014
14) Endrin	7.950	8.808	111433	61404	0.037	BelowCal #
15) 4,4'-DDD	8.001	8.847	66007	72598	0.020	0.033 #
16) Endosulfa...	8.116	8.958	70520	83633	0.022	0.029 #
17) 4,4'-DDT	8.199	9.076	23616	91564	0.008	0.020 #
18) Endrin Al...	8.401	9.194	425170	346438	0.129	0.122
19) Endosulfa...	8.703	9.384	98960	157667	0.034	0.018 #
20) Methoxychlor	8.544	9.554	27589	210193	0.018	0.142 #
21) Endrin Ke...	8.882	9.786	464712	239607	0.201	0.037 #
23) Hexachlor...	3.188	3.777	45055	6811	BelowCal	BelowCal
24) Hexachlor...	5.741f	6.563f	137706	93651	BelowCal	BelowCal
25) Oxychlorane	7.217f	8.005	18313	26281	104477.346	BelowCal #
26) 2,4'-DDE	7.327	8.192	36742	8623	BelowCal	BelowCal
27) trans-Non...	7.520	8.275	219343	72672	BelowCal	BelowCal
28) 2,4'-DDD	7.727f	8.580	4998	51337	BelowCal	BelowCal
29) 2,4'-DDT	7.876	8.808	11364	61404	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:53
 Operator : MJB
 Sample : 0G17041-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:37:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

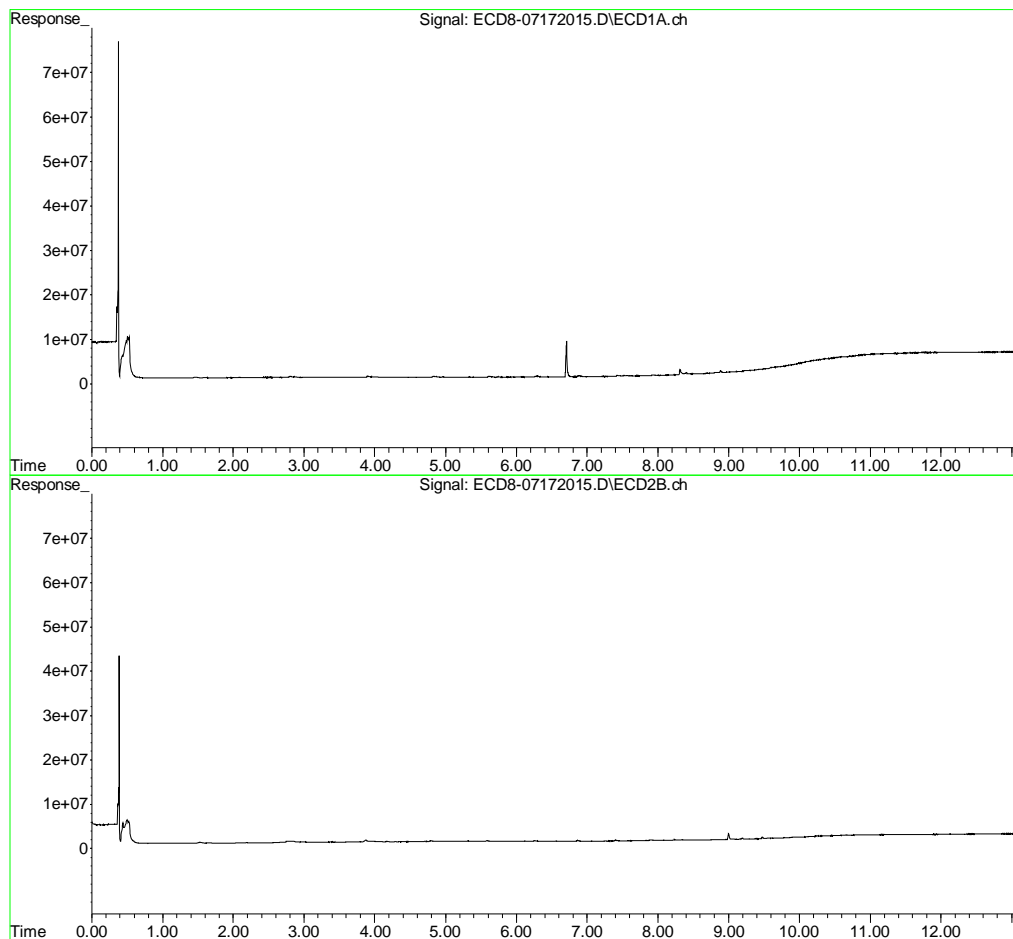
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.950f	8.847	111433	72598	BelowCal	BelowCal
31)	Mirex	0.000	9.786	0	239607	N.D.	BelowCal
32)	Chlordane...	7.425	8.235	222754	240955	0.492	0.545
33)	Chlordane...	7.520	8.342	219343	124359	0.399	0.334
34)	Chlordane...	8.026f	8.995	8779	1374105	0.061	3.106 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.520f	8.553	219343	4530	12.751	0.150 #
37)	Toxaphene...	7.788	8.896	52032	13956	125253.847	0.355 #
38)	Toxaphene...	8.116f	8.930	70520	46039	0.936	0.728
39)	Toxaphene...	8.315	8.995	1131941	1374105	12.014	7.960 #
40)	Toxaphene...	8.544	9.170	27589	179503	0.494	3.162 #
41)	Toxaphene...	0.000	9.554	0	210193	N.D.	3.246 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 20:53
Operator : MJB
Sample : 0G17041-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:37:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:10
 Operator : MJB
 Sample : 0G17041-ICV1
 Misc : A20G270, AB 50 ppb
 ALS Vial : 13 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:37:58 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.389	6.078	179.9E6	179.3E6	48.194	51.080
22) S DCBP (S)	9.593	10.658	151.9E6	109.5E6	49.875	50.813
Target Compounds						
2) a-BHC	5.931	6.684	242.8E6	243.8E6	49.305	51.142
3) g-BHC	6.215	7.002	226.5E6	219.4E6	51.216	52.062
4) b-BHC	6.294	7.064	93260987	89235005	46.974	47.334
5) Heptachlor	6.624	7.377	211.5E6	208.8E6	49.944	50.834
6) d-BHC	6.444	7.321	208.5E6	206.4E6	50.536	50.557
7) Aldrin	6.864	7.643	215.5E6	202.9E6	49.376	51.479
8) Heptachlo...	7.325	8.081	196.5E6	177.0E6	48.526	48.364
9) trans-Chl...	7.420	8.220	196.2E6	184.4E6	47.424	49.776
10) cis-Chlor...	7.516	8.327	188.0E6	174.8E6	45.851	49.268
11) Endosulfa...	7.614	8.379	181.6E6	169.5E6	48.120	51.170
12) 4,4'-DDE	7.579	8.430	202.5E6	197.3E6	49.525	52.588
13) Dieldrin	7.786	8.580	203.2E6	195.1E6	48.047	53.041
14) Endrin	7.951	8.809	154.6E6	142.2E6	51.135	53.907
15) 4,4'-DDD	8.000	8.847	165.1E6	161.3E6	49.422	51.862
16) Endosulfa...	8.110	8.956	165.8E6	152.8E6	51.279	52.081
17) 4,4'-DDT	8.198	9.074	160.6E6	155.5E6	51.984	54.013
18) Endrin Al...	8.399	9.193	142.7E6	128.9E6	43.327	45.277
19) Endosulfa...	8.701	9.383	151.7E6	142.3E6	52.382	54.820
20) Methoxychlor	8.540	9.554	76063640	72671574	50.190	49.010
21) Endrin Ke...	8.894	9.785	108.1E6	90858366	46.749	50.001
23) Hexachlor...	3.182	3.778	24100	24066	BelowCal	BelowCal
24) Hexachlor...	5.770	6.542	413123	21286	BelowCal	BelowCal
25) Oxychlorane	7.262	7.991	930296	187568	0.088	BelowCal #
26) 2,4'-DDE	7.325	8.220	196.5E6	184.4E6	75.205	75.797
27) trans-Non...	7.516	8.280	188.0E6	567013	49.783	BelowCal #
28) 2,4'-DDD	7.702	8.580	2446931	195.1E6	0.901	89.519 #
29) 2,4'-DDT	7.883	8.809	928211	142.2E6	0.218	64.462 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:10
 Operator : MJB
 Sample : 0G17041-ICV1
 Misc : A20G270, AB 50 ppb
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:37:58 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

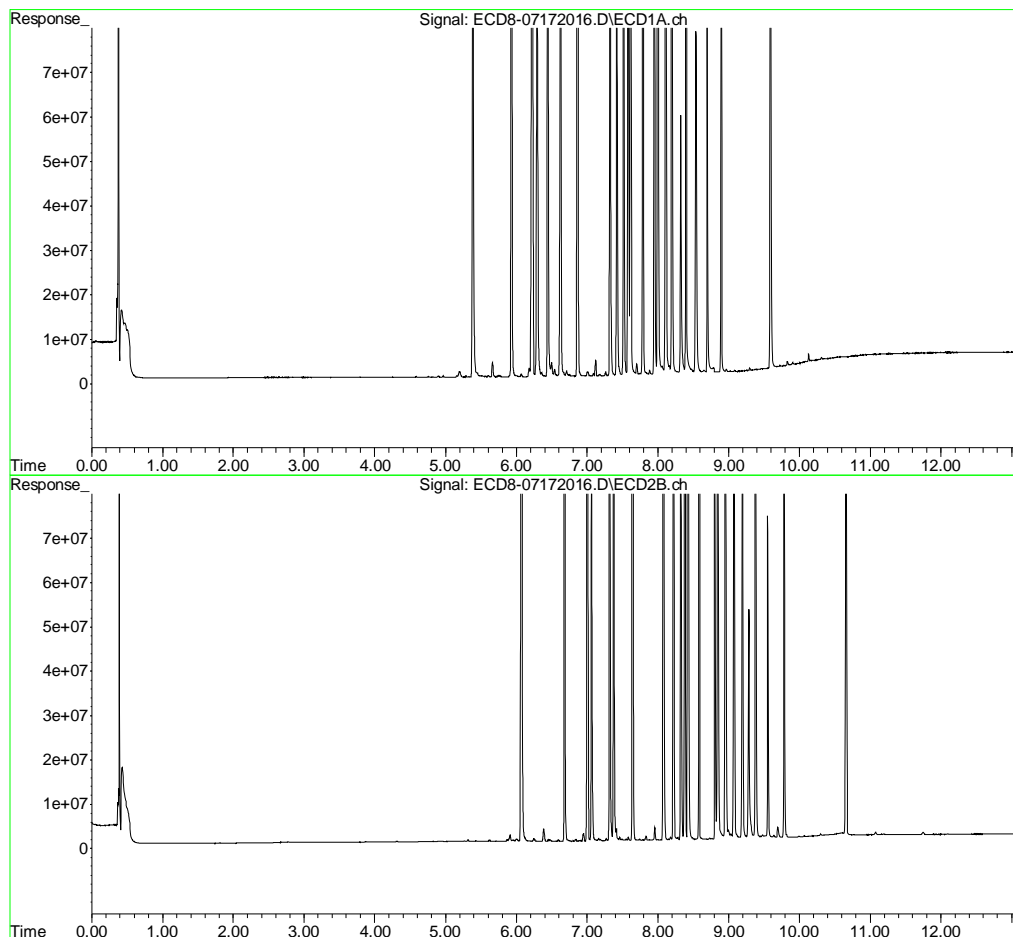
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.951f	8.847	154.6E6	161.3E6	37.700	43.556
31)	Mirex	8.649	9.785	486112	90858366	14904.268	41.314 #
32)	Chlordane...	7.420	8.220	196.2E6	184.4E6	433.738	417.459
33)	Chlordane...	7.516	8.327	188.0E6	174.8E6	341.765	469.609 #
34)	Chlordane...	8.062	8.994	1761152	2096930	12.143	9.923
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.516f	8.580f	188.0E6	195.1E6	10931.283	6451.477 #
37)	Toxaphene...	7.786	0.000	203.2E6	0	6600.707	N.D. #
38)	Toxaphene...	8.110	8.956f	165.8E6	152.8E6	2200.730	2416.216
39)	Toxaphene...	8.326	8.994	58080572	2096930	838.069	15.890 #
40)	Toxaphene...	8.540f	9.193	76063640	128.9E6	1361.898	2270.243 #
41)	Toxaphene...	8.649	9.554	486112	72671574	6.323	1122.381 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:10
Operator : MJB
Sample : 0G17041-ICV1
Misc : A20G270, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:37:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172026.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:55
 Operator : MJB
 Sample : 0G17041-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:38:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.392	6.080	22712	14192	0.006	0.004 #
22) S DCBP (S)	0.000	10.654	0	406911	N.D.	BelowCal
Target Compounds						
2) a-BHC	5.935	6.684	57485	13121	0.012	0.044 #
3) g-BHC	6.213	6.999	29355	12321	0.007	0.002 #
4) b-BHC	6.281	7.064	201386	25911	0.101	0.014 #
5) Heptachlor	6.651f	7.391	20990	169420	0.005	0.011 #
6) d-BHC	6.446	7.318	45596	47490	0.011	0.045 #
7) Aldrin	6.871	7.633	204402	6767	0.047	BelowCal #
8) Heptachlo...	7.328	8.082	26299	21007	0.006	0.006
9) trans-Chl...	7.422	8.210	198955	32784	0.048	0.009 #
10) cis-Chlor...	7.523	8.334	117674	142931	0.029	0.040 #
11) Endosulfa...	7.628	8.400	27037	5215	0.007	0.002 #
12) 4,4'-DDE	0.000	8.418	0	7929	N.D.	0.021 #
13) Dieldrin	7.786	8.578	14921	45163	0.004	0.012 #
14) Endrin	7.975f	8.825	35349	7312	0.012	BelowCal #
15) 4,4'-DDD	8.001	8.846	27465	64470	0.008	0.030 #
16) Endosulfa...	8.116	8.959	43629	51092	0.013	0.017 #
17) 4,4'-DDT	0.000	9.070	0	84551	N.D.	0.017 #
18) Endrin Al...	8.398	9.191	220659	171439	0.067	0.060
19) Endosulfa...	8.702	9.383	48598	115528	0.017	0.001 #
20) Methoxychlor	0.000	9.548	0	194748	N.D.	0.131 #
21) Endrin Ke...	8.879	9.784	488277	221923	0.211	0.027 #
23) Hexachlor...	3.194	3.769	13427	17134	BelowCal	BelowCal
24) Hexachlor...	5.745f	6.542	140285	47569	BelowCal	BelowCal
25) Oxychlorane	7.251	8.005	18192	37181	104477.346	BelowCal #
26) 2,4'-DDE	7.328	8.210	26299	32784	BelowCal	BelowCal
27) trans-Non...	7.523	8.275	117674	83062	BelowCal	BelowCal
28) 2,4'-DDD	7.701	8.578	22848	45163	BelowCal	BelowCal
29) 2,4'-DDT	7.917f	8.825	146697	7312	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172026.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:55
 Operator : MJB
 Sample : 0G17041-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:38:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

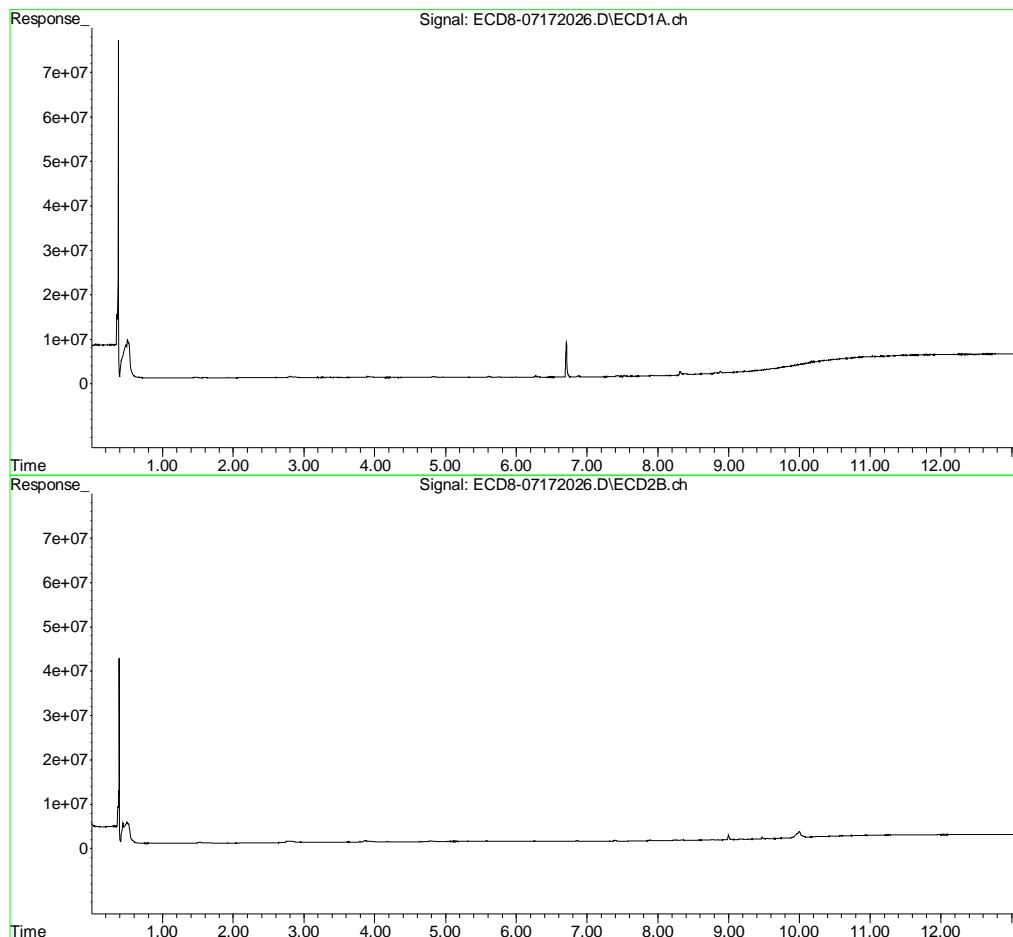
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.975	8.846	35349	64470	BelowCal	BelowCal
31)	Mirex	8.640	9.779	41660	224315	14904.438	BelowCal #
32)	Chlordane...	7.422	8.210	198955	32784	0.440	0.074 #
33)	Chlordane...	7.523	8.334	117674	142931	0.214	0.384 #
34)	Chlordane...	0.000	8.994	0	1068297	N.D.	0.218 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.523f	8.537	117674	5073	6.841	0.168 #
37)	Toxaphene...	7.786	8.874f	14921	11453	125254.990	0.291 #
38)	Toxaphene...	8.116f	8.930	43629	42337	0.579	0.670
39)	Toxaphene...	8.315	8.994	823174	1068297	7.378	4.601 #
40)	Toxaphene...	0.000	9.191	0	171439	N.D.	3.020 #
41)	Toxaphene...	8.640	9.548	41660	194748	0.542	3.008 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 23:55
Operator : MJB
Sample : 0G17041-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:38:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:11
 Operator : MJB
 Sample : 0G17041-ICV2
 Misc : A20C360, 9-42 50 ppb
 ALS Vial : 23 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:38:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.361f	6.068	475727	26522	0.127	0.008 #
22) S DCBP (S)	0.000	10.642	0	332053	N.D.	BelowCal
Target Compounds						
2) a-BHC	5.934	6.683	206581	123578	0.042	0.069 #
3) g-BHC	6.185f	7.003	403169	20879	0.091	0.004 #
4) b-BHC	6.285	7.065	37842	25361	0.019	0.013 #
5) Heptachlor	6.622	7.375	96387	86344	0.023	BelowCal #
6) d-BHC	6.447	7.341f	24926	71187	0.006	0.051 #
7) Aldrin	6.865	7.635	17860	7981	0.004	BelowCal #
8) Heptachlo...	7.325	8.107f	135.2E6	318169	33.381	0.087 #
9) trans-Chl...	7.417	8.207	2918622	127.4E6	0.705	34.380 #
10) cis-Chlor...	7.505	8.325	200.2E6	4198606	48.821	1.183 #
11) Endosulfa...	7.594f	8.387	377821	291959	0.100	0.088
12) 4,4'-DDE	7.594	8.397f	377821	282723	0.092	0.101
13) Dieldrin	7.787	8.579	552493	106.1E6	0.131	28.857 #
14) Endrin	7.975f	8.805	219.7E6	123.9E6	72.644	47.424 #
15) 4,4'-DDD	7.975f	8.846	219.7E6	196.7E6	65.765	62.220
16) Endosulfa...	0.000	8.994f	0	1085386	N.D.	0.370 #
17) 4,4'-DDT	8.194	9.071	80478	111294	0.026	0.027
18) Endrin Al...	8.401	9.194	175477	102925	0.053	0.036 #
19) Endosulfa...	0.000	9.352f	0	62299	N.D.	BelowCal
20) Methoxychlor	8.540	9.569	17427	264927	0.011	0.179 #
21) Endrin Ke...	8.880	9.775	374770	110.0E6	0.162	59.434 #
23) Hexachlor...	3.181	3.775	175.7E6	202.0E6	50.440	51.812
24) Hexachlor...	5.768	6.541	186.4E6	182.2E6	51.765	51.994
25) Oxychlorane	7.250	8.006	181.2E6	163.0E6	52.884	53.353
26) 2,4'-DDE	7.325	8.207	135.2E6	127.4E6	52.004	53.764
27) trans-Non...	7.505	8.279	200.2E6	183.7E6	53.015	54.087
28) 2,4'-DDD	7.698	8.579	116.7E6	106.1E6	51.623	50.981
29) 2,4'-DDT	7.880	8.805	132.0E6	123.9E6	55.723	56.688

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:11
 Operator : MJB
 Sample : 0G17041-ICV2
 Misc : A20C360, 9-42 50 ppb
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:38:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

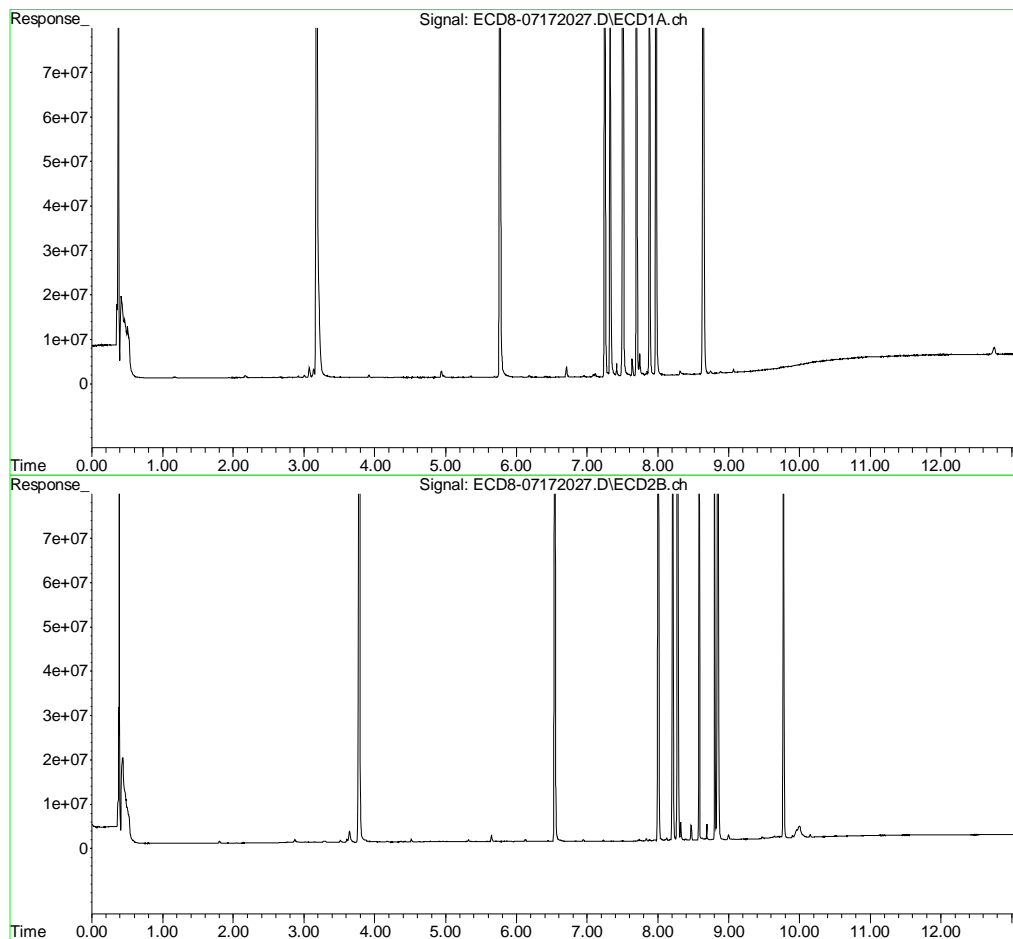
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.975	8.846	219.7E6	196.7E6	53.507	52.611
31)	Mirex	8.641	9.775	130.4E6	110.0E6	49.753	49.744
32)	Chlordane...	7.417	8.207	2918622	127.4E6	6.452	288.342 #
33)	Chlordane...	7.505	8.325	200.2E6	4198606	363.903	11.280 #
34)	Chlordane...	0.000	8.994	0	1085386	N.D.	0.380 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.505	8.579f	200.2E6	106.1E6	11639.355	3509.880 #
37)	Toxaphene...	7.787	8.913	552493	207039	13.898	5.269 #
38)	Toxaphene...	0.000	8.913f	0	207039	N.D.	3.274 #
39)	Toxaphene...	8.314	8.994	817230	1085386	7.289	4.788 #
40)	Toxaphene...	8.549	9.167	17460	98193	0.313	1.729 #
41)	Toxaphene...	8.641	9.569	130.4E6	264927	1696.042	4.092 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 00:11
Operator : MJB
Sample : 0G17041-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:38:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch **CLEAN**
 Acq On : 18 Jul 2020 2:24
 Operator : MJB
 Sample : 0G17041-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1 **MJB 7/20/20**

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:39:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.355f	6.074	21913	14824	0.006	0.004 #
22) S DCBP (S)	9.600	10.656	283728	181563	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.933	6.687	42840	21655	0.009	0.046 #
3) g-BHC	6.214	6.997	22828	12270	0.005	0.002 #
4) b-BHC	6.288	7.061	190056	27882	0.096	0.015 #
5) Heptachlor	6.621	7.393	19537	167440	0.005	0.010 #
6) d-BHC	6.446	7.317	44405	50821	0.011	0.046 #
7) Aldrin	6.870	7.636	196001	6564	0.045	BelowCal #
8) Heptachlo...	7.325	8.084	13352	11711	0.003	0.003
9) trans-Chl...	7.420	8.235	221985	120881	0.054	0.033 #
10) cis-Chlor...	7.521	8.329	88566	149209	0.022	0.042 #
11) Endosulfa...	7.606	8.395	24571	6108	0.007	0.002 #
12) 4,4'-DDE	7.562	8.446	47513	33663	0.012	0.028 #
13) Dieldrin	7.782	8.575	22131	29127	0.005	0.008 #
14) Endrin	7.913f	8.842f	146789	40712	0.049	BelowCal #
15) 4,4'-DDD	7.996	8.842	21664	40712	0.006	0.022 #
16) Endosulfa...	8.114	8.956	37280	36457	0.012	0.012
17) 4,4'-DDT	8.195	9.071	11010	58334	0.004	0.007 #
18) Endrin Al...	8.396	9.189	228663	133587	0.069	0.047 #
19) Endosulfa...	8.699	9.379	48884	49942	0.017	BelowCal #
20) Methoxychlor	8.541	9.544	23715	125630	0.016	0.085 #
21) Endrin Ke...	8.876f	9.781	488282	94947	0.211	BelowCal #
23) Hexachlor...	0.000	3.772	0	14295	N.D.	BelowCal
24) Hexachlor...	5.745f	6.538	148105	12971	BelowCal	BelowCal
25) Oxychlorane	7.273f	8.001	11837	11791	104477.348	BelowCal #
26) 2,4'-DDE	7.325	8.235f	13352	120881	BelowCal	BelowCal
27) trans-Non...	7.521	8.272	88566	90835	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.575	0	29127	N.D.	BelowCal
29) 2,4'-DDT	7.880	8.842f	9862	40712	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:24
 Operator : MJB
 Sample : 0G17041-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:39:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

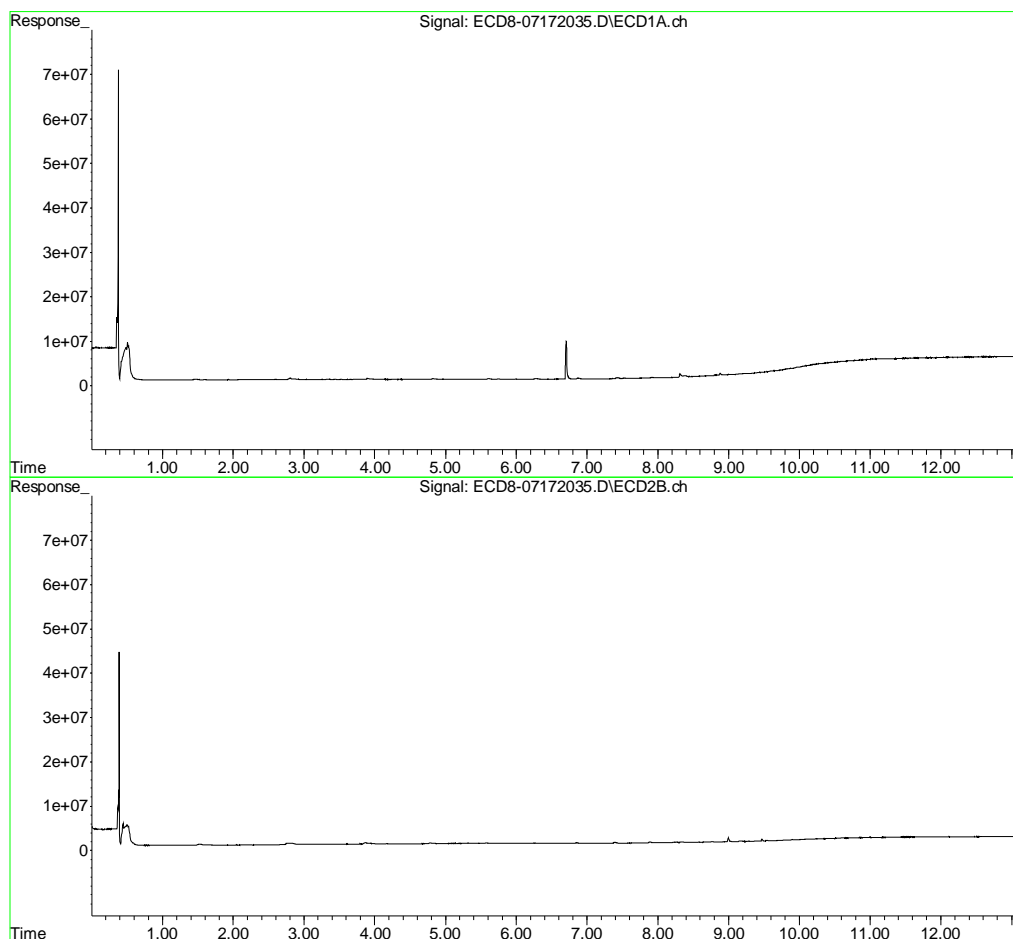
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.996f	8.842	21664	40712	BelowCal	BelowCal
31)	Mirex	8.640	9.781	7461	94947	14904.451	BelowCal #
32)	Chlordane...	7.420	8.235	221985	120881	0.491	0.274 #
33)	Chlordane...	7.521	8.329	88566	149209	0.161	0.401 #
34)	Chlordane...	8.060	8.993	11961	898941	0.082	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.485	8.538	14593	5955	0.848	0.197 #
37)	Toxaphene...	7.782	8.891	22131	3755	125254.768	0.096 #
38)	Toxaphene...	8.085	8.928	10388	33303	0.138	0.527 #
39)	Toxaphene...	8.315	8.993	655461	898941	4.860	2.739 #
40)	Toxaphene...	8.561	9.189	9492	133587	0.170	2.353 #
41)	Toxaphene...	8.633	9.544	13025	125630	0.169	1.940 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:24
Operator : MJB
Sample : 0G17041-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:39:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:40
 Operator : MJB
 Sample : 0G17041-ICV3
 Misc : A20G272, CHOLR 500 ppb
 ALS Vial : 31 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:39:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.386	6.046f	115283	92613	0.031	0.026
22) S DCBP (S)	9.595	10.668	537379	197200	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.934	6.707f	26298	3742871	0.005	0.887 #
3) g-BHC	6.229	7.007	186964	1852503	0.042	0.478 #
4) b-BHC	6.283	7.101f	432945	6608924	0.218	3.506 #
5) Heptachlor	6.620	7.372	105.8E6	101.3E6	24.990	25.574
6) d-BHC	6.431	7.321	1501103	318179	0.364	0.116 #
7) Aldrin	6.863	7.641	1373121	950508	0.315	0.251
8) Heptachlo...	7.325	8.094	15729672	5084411	3.884	1.389 #
9) trans-Chl...	7.415	8.214	224.7E6	229.3E6	54.303	61.884
10) cis-Chlor...	7.508	8.322	273.8E6	184.3E6	66.768	51.935
11) Endosulfa...	7.627	8.396	5708095	3417152	1.513	1.032 #
12) 4,4'-DDE	7.566	8.417	6473371	4669179	1.583	1.376
13) Dieldrin	7.794	8.574	6918144	20828490	1.636	5.663 #
14) Endrin	7.933	8.817	3843188	2442687	1.271	0.977
15) 4,4'-DDD	8.028f	8.845	6484650	35053592	1.942	12.028 #
16) Endosulfa...	8.107	8.961	4443301	3863787	1.374	1.317
17) 4,4'-DDT	8.178f	9.081	1417603	1333830	0.459	0.503
18) Endrin Al...	8.415	9.218f	1357868	10033758	0.412	3.525 #
19) Endosulfa...	8.697	9.361f	2822653	298009	0.975	0.077 #
20) Methoxychlor	8.540	9.554	1392643	243087	0.919	0.164 #
21) Endrin Ke...	8.905	9.779	187171	1631562	0.081	0.888 #
23) Hexachlor...	0.000	3.774	0	12227	N.D.	BelowCal
24) Hexachlor...	5.743f	6.561	290252	74472	BelowCal	BelowCal
25) Oxychlorane	7.241	8.018	2133339	2680734	0.440	0.696 #
26) 2,4'-DDE	7.325	8.214	15729672	229.3E6	5.969	92.382 #
27) trans-Non...	7.508	8.277	273.8E6	173.1E6	72.520	51.111 #
28) 2,4'-DDD	7.731f	8.574	26366665	20828490	11.595	10.377
29) 2,4'-DDT	7.901f	8.817	5693515	2442687	2.274	1.011 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:40
 Operator : MJB
 Sample : 0G17041-ICV3
 Misc : A20G272, CHOLR 500 ppb
 ALS Vial : 31 Sample Multiplier: 1

FRONT COLUMN: 497.51

REAR COLUMN: 519.60

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:39:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.973	8.845	38207659	35053592	9.219	9.699
31)	Mirex	8.632	9.779	396349	1631562	14904.302	0.361 #
32)	Chlordane...	7.415	8.214	224.7E6	229.3E6	496.658	519.010
33)	Chlordane...	7.508	8.322	273.8E6	184.3E6	497.672	495.032
34)	Chlordane...	8.056	8.986	72255494	62292422	498.185	544.771
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.481	8.574f	32682076	20828490	1899.904	688.839 #
37)	Toxaphene...	7.794	8.901	6918144	5281653	210.236	134.404 #
38)	Toxaphene...	8.083	8.937	3164073	5091160	41.992	80.510 #
39)	Toxaphene...	8.334	8.986	2967080	62292422	39.530	632.317 #
40)	Toxaphene...	8.540f	9.157f	1392643	1132182	24.935	19.941
41)	Toxaphene...	8.632	9.554	396349	243087	5.156	3.754 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

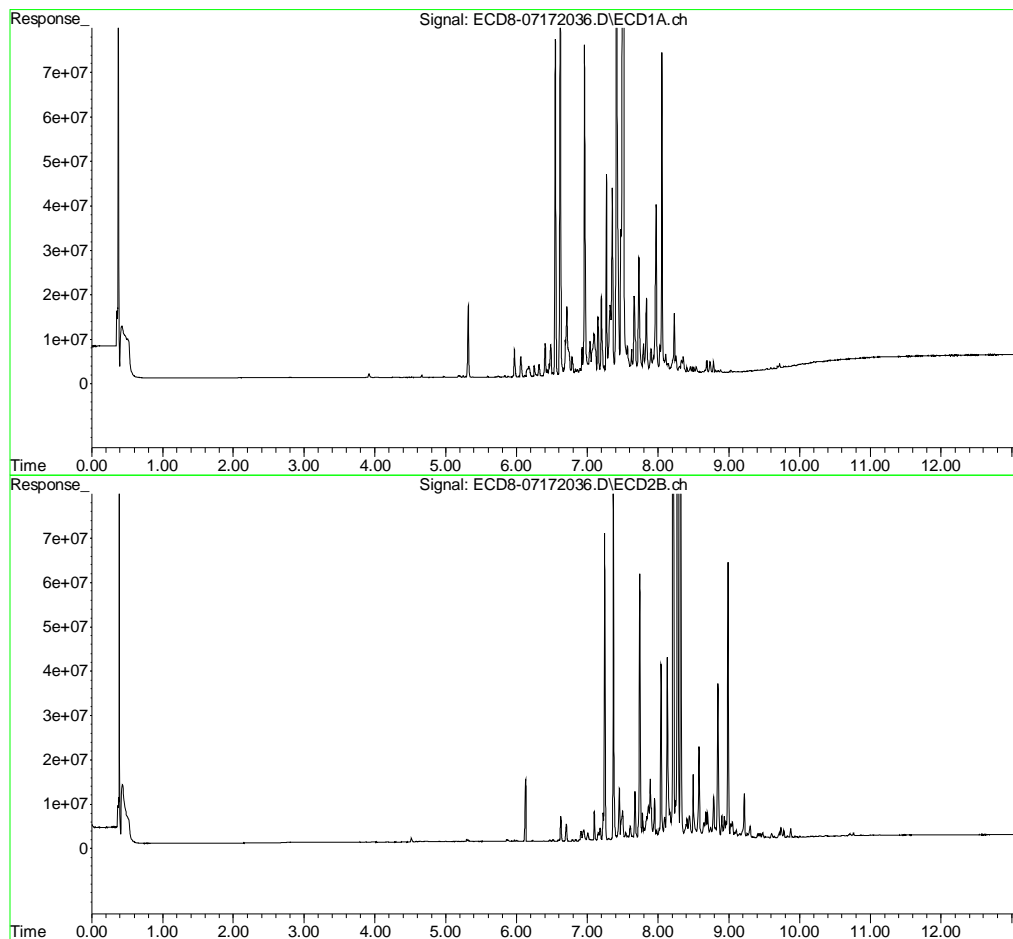
✓

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:40
Operator : MJB
Sample : 0G17041-ICV3
Misc : A20G272, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:39:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:52
 Operator : MJB
 Sample : 0G17041-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:40:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	6.074	0	16749	N.D.	0.005 #
22) S DCBP (S)	9.606	10.658	293265	394483	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.934	6.686	56396	17961	0.011	0.045 #
3) g-BHC	6.218	7.004	24272	14195	0.005	0.003 #
4) b-BHC	6.288	7.060	193250	26830	0.097	0.014 #
5) Heptachlor	6.624	7.394	18350	171704	0.004	0.011 #
6) d-BHC	6.447	7.316	49385	50983	0.012	0.046 #
7) Aldrin	6.871	7.627	195066	13692	0.045	BelowCal #
8) Heptachlo...	7.322	8.079	13342	28283	0.003	0.008 #
9) trans-Chl...	7.423	8.238	192135	134866	0.046	0.036
10) cis-Chlor...	7.531	8.333	71745	140191	0.017	0.040 #
11) Endosulfa...	7.628	0.000	15078	0	0.004	N.D. #
12) 4,4'-DDE	7.571	8.426	35018	13094	0.009	0.022 #
13) Dieldrin	7.784	8.575	23067	29766	0.005	0.008 #
14) Endrin	7.982f	8.846f	12275	35364	0.004	BelowCal #
15) 4,4'-DDD	7.998	8.846	29481	35364	0.009	0.020 #
16) Endosulfa...	8.111	8.956	36378	50155	0.011	0.017 #
17) 4,4'-DDT	8.201	9.065	6286	98202	0.002	0.022 #
18) Endrin Al...	8.397	9.189	255956	188187	0.078	0.066
19) Endosulfa...	8.698	9.380	55294	110573	0.019	BelowCal #
20) Methoxychlor	8.543	9.549	20130	205986	0.013	0.139 #
21) Endrin Ke...	8.911	9.784	39882	200844	0.017	0.014
23) Hexachlor...	0.000	3.773	0	8892	N.D.	BelowCal
24) Hexachlor...	5.789f	6.541	26175	12714	BelowCal	BelowCal
25) Oxychlorane	7.244	7.998	10408	29312	104477.348	BelowCal #
26) 2,4'-DDE	7.322	8.238f	13342	134866	BelowCal	BelowCal
27) trans-Non...	7.491	8.269	5527	98813	BelowCal	BelowCal
28) 2,4'-DDD	0.000	8.575	0	29766	N.D.	BelowCal
29) 2,4'-DDT	7.854f	8.846f	4795	35364	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:52
 Operator : MJB
 Sample : 0G17041-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:40:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

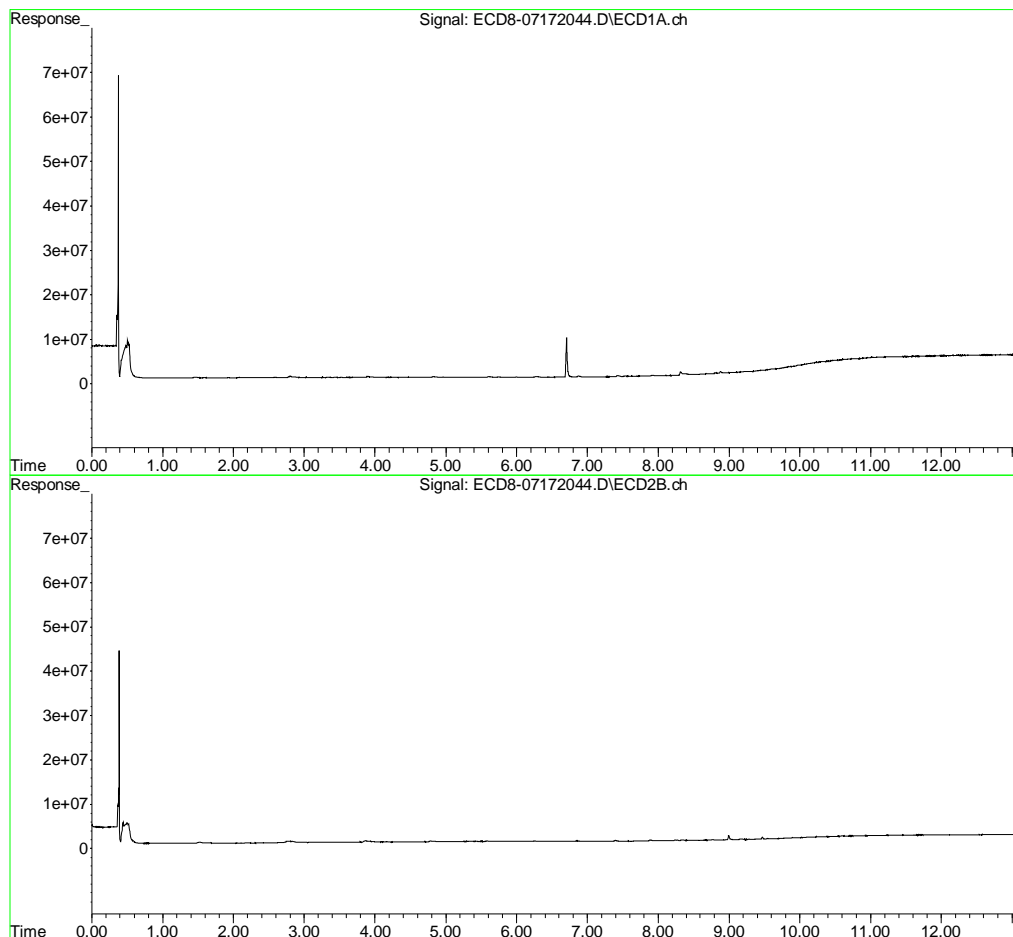
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.982	8.846	12275	35364	BelowCal	BelowCal
31)	Mirex	8.642	9.784	9659	200844	14904.450	BelowCal #
32)	Chlordane...	7.423	8.238f	192135	134866	0.425	0.305 #
33)	Chlordane...	7.491	8.333	5527	140191	0.010	0.377 #
34)	Chlordane...	8.031f	8.993	4676	999186	0.032	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.491	8.538	5527	6762	0.321	0.224 #
37)	Toxaphene...	7.784	8.874f	23067	10609	125254.739	0.270 #
38)	Toxaphene...	8.111	8.929	36378	41797	0.483	0.661 #
39)	Toxaphene...	8.318	8.993	729505	999186	5.972	3.841 #
40)	Toxaphene...	8.577	9.189	10838	188187	0.194	3.315 #
41)	Toxaphene...	8.642	9.549	9659	205986	0.126	3.181 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 4:52
Operator : MJB
Sample : 0G17041-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:40:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172045.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 5:09
 Operator : MJB
 Sample : 0G17041-ICV4
 Misc : A20F067, TOX 500 ppb
 ALS Vial : 39 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:40:21 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.399	6.086	18558	14527	0.005	0.004
22) S DCBP (S)	9.582	10.632f	650531	775429	BelowCal	0.130
Target Compounds						
2) a-BHC	5.929	6.681	81893	98834	0.017	0.063 #
3) g-BHC	6.222	6.991	86009	148800	0.019	0.037 #
4) b-BHC	6.288	7.072	109170	72307	0.055	0.038 #
5) Heptachlor	6.624	7.377	272616	360990	0.064	0.061
6) d-BHC	6.439	7.314	70300	306668	0.017	0.113 #
7) Aldrin	6.860	7.664	793508	1224707	0.182	0.326 #
8) Heptachlo...	7.323	8.068	2904886	4554763	0.717	1.244 #
9) trans-Chl...	7.435	8.196f	6356855	5186966	1.536	1.400
10) cis-Chlor...	7.538	8.347	7358543	5854326	1.794	1.650
11) Endosulfa...	7.612	8.378	11162354	6976403	2.958	2.106 #
12) 4,4'-DDE	7.587	8.443	5695235	8208195	1.393	2.400 #
13) Dieldrin	7.782	8.590	16931706	8750134	4.004	2.379 #
14) Endrin	7.970	8.797	24062684	18689768	7.958	7.613
15) 4,4'-DDD	8.010	8.847	15934657	11553462	4.771	4.023
16) Endosulfa...	8.093	8.957	39840698	8791283	12.320	2.997 #
17) 4,4'-DDT	8.222f	9.065	9365337	13211314	3.031	5.072 #
18) Endrin Al...	8.418	9.179	22989665	28526009	6.982	10.020 #
19) Endosulfa...	8.697	9.380	15332243	13021959	5.294	5.382
20) Methoxychlor	8.531	9.561	12821749	31935127	8.460	21.537 #
21) Endrin Ke...	8.881	9.802	10789930	6750375	4.668	3.988
23) Hexachlor...	3.179	3.773	22980	32659	BelowCal	BelowCal
24) Hexachlor...	5.760	6.536	80228	41604	BelowCal	BelowCal
25) Oxychlorane	7.251	8.021	6859608	3835419	1.823	1.097 #
26) 2,4'-DDE	7.323	8.196	2904886	5186966	0.957	2.146 #
27) trans-Non...	7.490	8.289	8889512	5503257	2.136	1.479 #
28) 2,4'-DDD	7.700	8.590	12368172	8750134	5.341	4.273
29) 2,4'-DDT	7.883	8.797	20353088	18689768	8.580	8.964

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172045.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 5:09
 Operator : MJB
 Sample : 0G17041-ICV4 FRONT COLUMN: 522.77
 Misc : A20F067, TOX 500 ppb REAR COLUMN: 509.16
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 15:40:21 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.970	8.847	24062684	11553462	5.741	3.101	#
31)	Mirex	8.628	9.802f	39346865	6750375	14.778	2.789	#
32)	Chlordane...	7.400	8.196	4668774	5186966	10.320	11.740	
33)	Chlordane...	7.490	8.302f	8889512	4967936	16.157	13.346	
34)	Chlordane...	8.033f	9.002	17135939	53318336	118.148	468.763	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.490	8.551	8889512	15025286	516.773	496.916	
37)	Toxaphene...	7.782	8.898	16931706	20155413	520.344	512.901	
38)	Toxaphene...	8.093	8.935	39840698	31881103	528.750	504.155	
39)	Toxaphene...	8.333	9.002	36801992	53318336	535.878	545.332	
40)	Toxaphene...	8.561	9.179	29212194	28526009	523.036	502.435	
41)	Toxaphene...	8.628	9.561	39346865	31935127	511.818	493.224	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

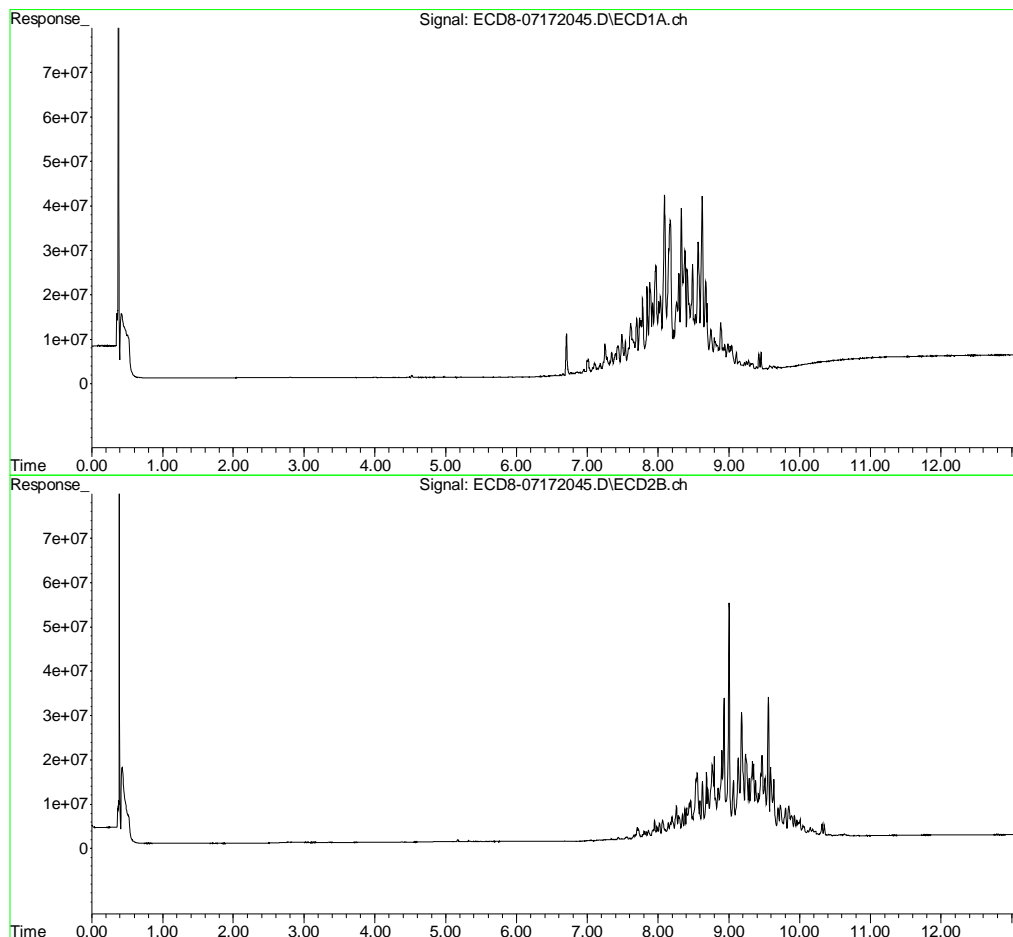
✓

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 5:09
Operator : MJB
Sample : 0G17041-ICV4
Misc : A20F067, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 15:40:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:24
 Operator : MJB
 Sample : 0G17041-CAL1
 Misc : A20G268, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:41:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.080	2059810	1883297	0.552	0.537
22) S DCBP (S)	9.598	10.663	2181303	1522119	0.496	0.494
Target Compounds						
2) a-BHC	5.933	6.686	2450601	2141378	0.498	0.525
3) g-BHC	6.219	7.004	2300594	2019752	0.520	0.521
4) b-BHC	6.298	7.068	1113855	1100105	0.561	0.584
5) Heptachlor	6.627	7.380	2222149	2112772	0.525	0.521
6) d-BHC	6.449	7.324	2058451	1866164	0.499	0.524
7) Aldrin	6.868	7.646	2287325	1943000	0.524	0.522
8) Heptachlo...	7.330	8.084	2227813	2038283	0.550	0.557
9) trans-Chl...	7.425	8.223	2220216	1998781	0.537	0.539
10) cis-Chlor...	7.520	8.330	2439640	1890414	0.595	0.533
11) Endosulfa...	7.620	8.382	2036980	1697626	0.540	0.513
12) 4,4'-DDE	7.583	8.433	2065125	1702667	0.505	0.514
13) Dieldrin	7.791	8.583	2238734	1823919	0.529	0.496
14) Endrin	7.956	8.812	1557812	1336331	0.515	0.519
15) 4,4'-DDD	8.005	8.850	1731427	1463902	0.518	0.519
16) Endosulfa...	8.116	8.960	1722193	1559202	0.533	0.531
17) 4,4'-DDT	8.202	9.077	1656264	1394118	0.536	0.526
18) Endrin Al...	8.405	9.197	1961121	1632480	0.596	0.573
19) Endosulfa...	8.706	9.387	1519491	1337833	0.525	0.514
20) Methoxychlor	8.546	9.558	868824	832289	0.573	0.561
21) Endrin Ke...	8.899	9.790	1364571	1021475	0.590	0.515
23) Hexachlor...	3.142f	3.798f	38550	92614	BelowCal	BelowCal
24) Hexachlor...	5.754	6.566f	226819	82778	BelowCal	BelowCal
25) Oxychlordan	0.000	7.990	0	193304	N.D.	BelowCal
26) 2,4'-DDE	7.330	8.194	2227813	93085	0.692	BelowCal #
27) trans-Non...	7.520	8.277	2439640	260846	0.417	BelowCal #
28) 2,4'-DDD	7.692	8.583	34662	1823919	BelowCal	0.727
29) 2,4'-DDT	7.860f	8.812	17205	1336331	BelowCal	0.463



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:24
 Operator : MJB
 Sample : 0G17041-CAL1
 Misc : A20G268, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:41:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

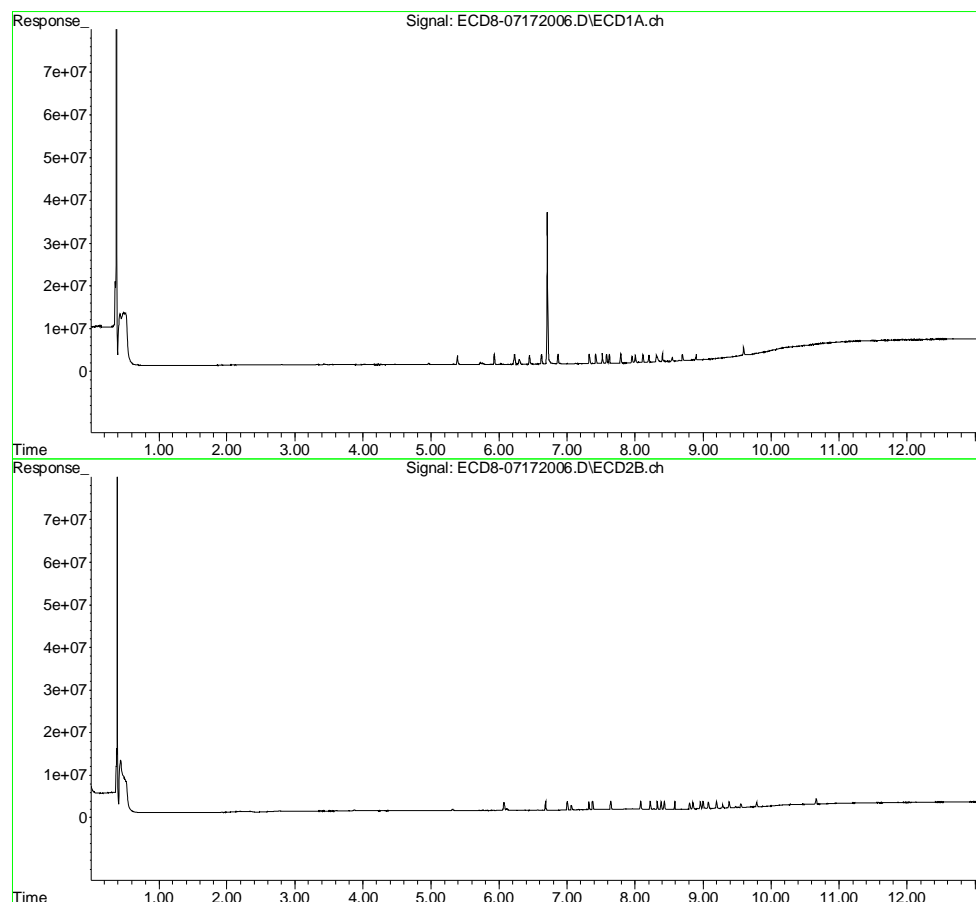
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.956	8.850	1557812	1463902	0.200	0.237
31)	Mirex	8.646	9.790	111276	1021475	14904.411	0.071 #
32)	Chlordane...	7.425	8.223	2220216	1998781	4.908	4.524
33)	Chlordane...	7.520	8.330	2439640	1890414	4.434	5.079
34)	Chlordane...	8.073	8.996	46091	1705584	0.318	6.233 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.479	8.543	23731	16277	1.380	0.538 #
37)	Toxaphene...	7.791	8.898	2238734	9831	65.847	0.250 #
38)	Toxaphene...	8.073	8.960f	46091	1559202	0.612	24.657 #
39)	Toxaphene...	8.331	8.996	1143355	1705584	12.186	11.598
40)	Toxaphene...	8.546	9.197	868824	1632480	15.556	28.753 #
41)	Toxaphene...	8.646	9.558	111276	832289	1.447	12.854 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:41
 Operator : MJB
 Sample : 0G17041-CAL2
 Misc : A20G269, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:41:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.080	3749962	3424170	1.005	0.975
22) S DCBP (S)	9.598	10.662	3741875	2571519	1.012	1.006
Target Compounds						
2) a-BHC	5.932	6.685	4624195	4050441	0.939	0.956
3) g-BHC	6.219	7.004	4281415	3728838	0.968	0.962
4) b-BHC	6.299	7.068	2132830	2041836	1.074	1.083
5) Heptachlor	6.627	7.379	4135756	3871749	0.977	0.982
6) d-BHC	6.449	7.324	3818920	3499685	0.926	0.954
7) Aldrin	6.867	7.646	4287214	3522992	0.982	0.954
8) Heptachlo...	7.330	8.083	4194494	3537621	1.036	0.966
9) trans-Chl...	7.424	8.223	4203847	3562892	1.016	0.962
10) cis-Chlor...	7.520	8.330	4349971	3440076	1.061	0.970
11) Endosulfa...	7.619	8.382	3844786	3206256	1.019	0.968
12) 4,4'-DDE	7.583	8.433	3926902	3336158	0.961	0.989
13) Dieldrin	7.791	8.583	4076655	3411011	0.964	0.927
14) Endrin	7.956	8.812	3009843	2506800	0.995	1.003
15) 4,4'-DDD	8.004	8.850	3227439	2703896	0.966	0.952
16) Endosulfa...	8.117	8.960	3220135	2802726	0.996	0.955
17) 4,4'-DDT	8.201	9.078	2992885	2566263	0.969	0.981
18) Endrin Al...	8.405	9.197	3634935	3023816	1.104	1.062
19) Endosulfa...	8.705	9.387	2784647	2448888	0.961	0.981
20) Methoxychlor	8.544	9.558	1581473	1501062	1.044	1.012
21) Endrin Ke...	8.899	9.790	2404758	1779672	1.040	0.978
23) Hexachlor...	3.181	3.799f	20095	65002	BelowCal	BelowCal
24) Hexachlor...	5.799f	6.567f	24220	88948	BelowCal	BelowCal
25) Oxychlorane	7.267	7.999	28654	37853	104477.343	BelowCal #
26) 2,4'-DDE	7.330	8.193	4194494	23779	1.462	BelowCal #
27) trans-Non...	7.520	8.278	4349971	77953	0.926	BelowCal #
28) 2,4'-DDD	7.692	8.583	33522	3411011	BelowCal	1.542
29) 2,4'-DDT	7.891	8.812	18242	2506800	BelowCal	1.043



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:41
 Operator : MJB
 Sample : 0G17041-CAL2
 Misc : A20G269, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:41:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

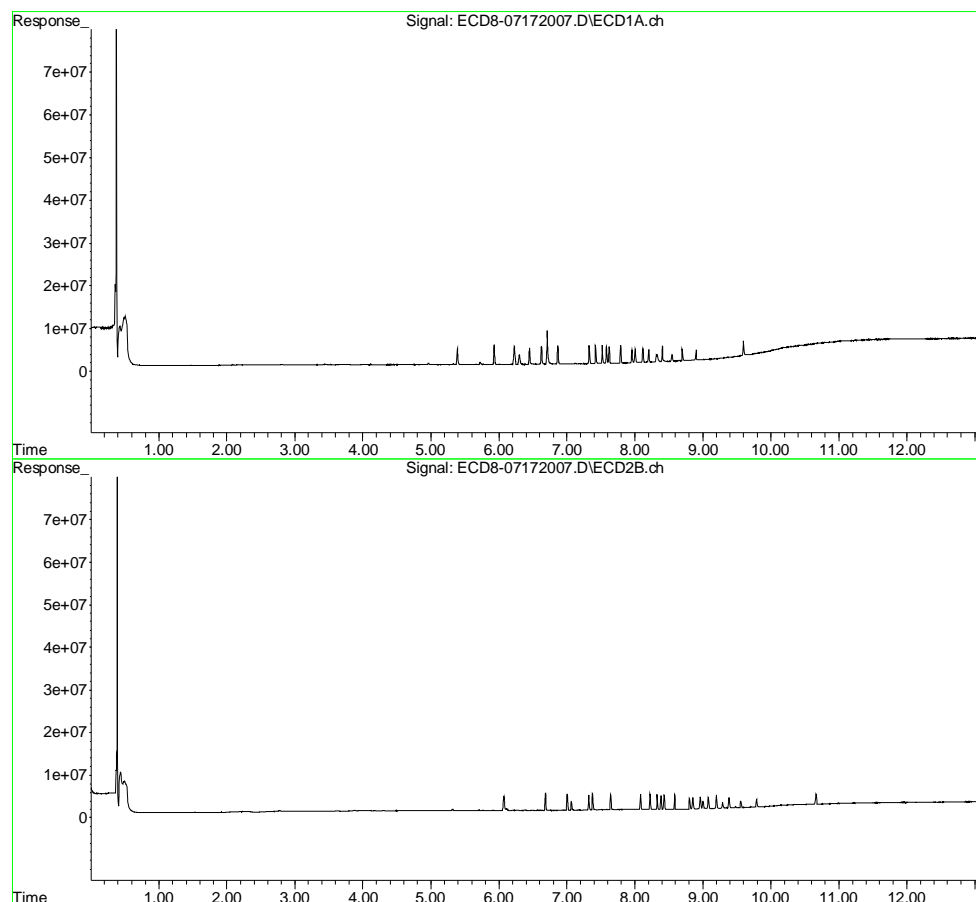
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.956	8.850	3009843	2703896	0.558	0.590
31)	Mirex	8.645	9.790	98626	1779672	14904.416	0.432 #
32)	Chlordane...	7.424	8.223	4203847	3562892	9.292	8.064
33)	Chlordane...	7.520	8.330	4349971	3440076	7.906	9.242
34)	Chlordane...	8.070	8.996	55558	1748911	0.383	6.642 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.520f	8.553	4349971	11912	252.876	0.394 #
37)	Toxaphene...	7.791	8.898	4076655	19818	122.519	0.504 #
38)	Toxaphene...	8.070f	8.936	55558	49778	0.737	0.787
39)	Toxaphene...	8.332	8.996	1793942	1748911	21.948	12.074 #
40)	Toxaphene...	8.544	9.171	1581473	60436	28.316	1.064 #
41)	Toxaphene...	8.645	9.558	98626	1501062	1.283	23.183 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:41
Operator : MJB
Sample : 0G17041-CAL2
Misc : A20G269, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:57
 Operator : MJB
 Sample : 0G17041-CAL3
 Misc : A20C178, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:41:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.080	6919197	6303438	1.854	1.796
22) S DCBP (S)	9.596	10.661	6703802	4769423	1.991	2.076
Target Compounds						
2) a-BHC	5.933	6.686	8676234	7647715	1.762	1.767
3) g-BHC	6.220	7.005	8085541	6969061	1.828	1.797
4) b-BHC	6.299	7.068	3893858	3586376	1.961	1.902
5) Heptachlor	6.628	7.379	7362354	6747350	1.739	1.734
6) d-BHC	6.449	7.323	7539593	6680796	1.828	1.789
7) Aldrin	6.867	7.646	8128193	6693503	1.863	1.818
8) Heptachlo...	7.330	8.083	7788065	6371510	1.923	1.740
9) trans-Chl...	7.424	8.223	7827529	6724097	1.892	1.815
10) cis-Chlor...	7.521	8.330	7826014	6359764	1.908	1.792
11) Endosulfa...	7.620	8.382	7306381	6010589	1.936	1.815
12) 4,4'-DDE	7.582	8.433	7323605	6193968	1.791	1.818
13) Dieldrin	7.791	8.582	7917841	6570645	1.872	1.787
14) Endrin	7.955	8.811	5251034	4136332	1.737	1.675
15) 4,4'-DDD	8.004	8.849	6167478	5447533	1.847	1.908
16) Endosulfa...	8.116	8.959	6017590	5379985	1.861	1.834
17) 4,4'-DDT	8.201	9.077	4913313	4320498	1.590	1.660
18) Endrin Al...	8.404	9.196	6892476	5804760	2.093	2.039
19) Endosulfa...	8.704	9.386	5171692	4537613	1.786	1.855
20) Methoxychlor	8.544	9.557	2542453	2499381	1.678	1.686
21) Endrin Ke...	8.898	9.789	3933660	3243527	1.702	1.869
23) Hexachlor...	3.178	3.788	25505	11350	BelowCal	BelowCal
24) Hexachlor...	5.775	6.569f	60364	73866	BelowCal	BelowCal
25) Oxychlordan	7.266	8.003	40035	33341	104477.340	BelowCal #
26) 2,4'-DDE	7.330	8.223	7788065	6724097	2.867	2.840
27) trans-Non...	7.521	8.275	7826014	64491	1.853	BelowCal #
28) 2,4'-DDD	7.709	8.582	40203	6570645	BelowCal	3.161
29) 2,4'-DDT	7.893	8.811	29555	4136332	BelowCal	1.849

ECD8_QUANTPEST_200717.M Mon Jul 20 14:51:19 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:57
 Operator : MJB
 Sample : 0G17041-CAL3
 Misc : A20C178, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:41:49 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

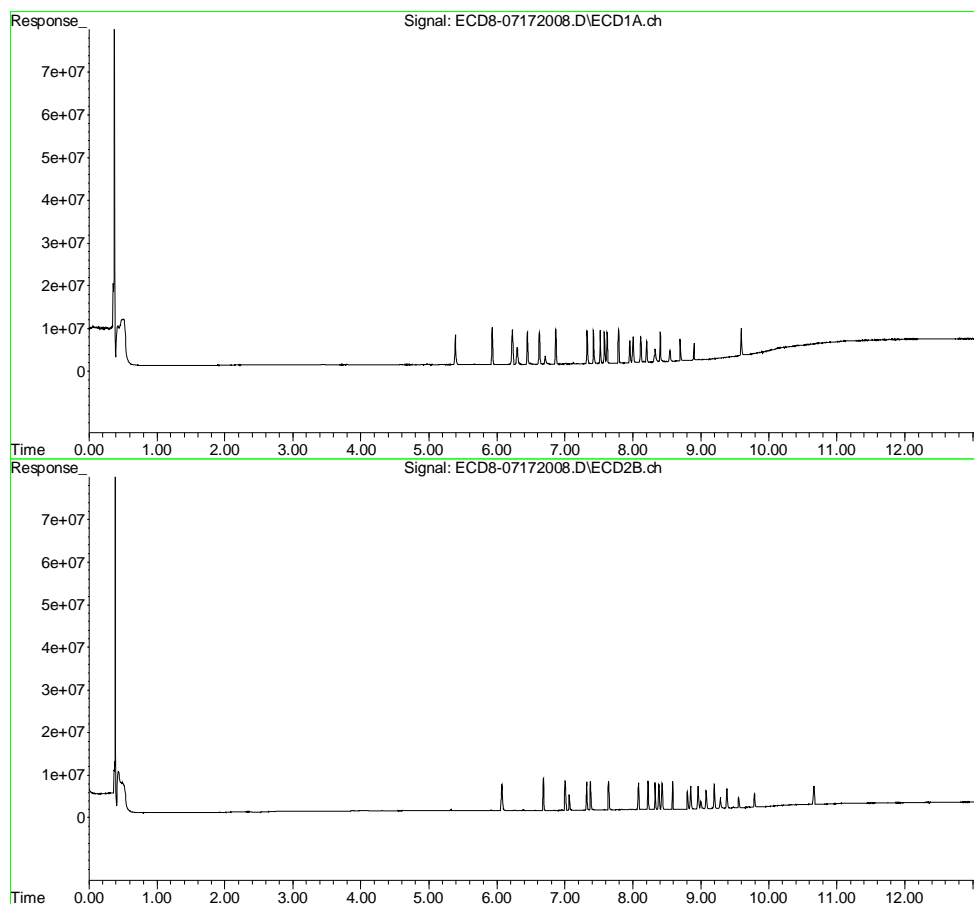
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.955	8.849	5251034	5447533	1.110	1.370
31)	Mirex	8.654	9.789	45341	3243527	14904.436	1.127 #
32)	Chlordane...	7.424	8.223	7827529	6724097	17.303	15.219
33)	Chlordane...	7.521	8.330	7826014	6359764	14.224	17.086
34)	Chlordane...	8.060	8.995	89276	1695753	0.616	6.140 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.521f	8.542	7826014	10777	454.949	0.356 #
37)	Toxaphene...	7.791	8.912	7917841	42877	241.126	1.091 #
38)	Toxaphene...	8.116f	8.920	6017590	45621	79.863	0.721 #
39)	Toxaphene...	8.331	8.995	3048447	1695753	40.749	11.491 #
40)	Toxaphene...	8.544	9.171	2542453	199621	45.522	3.516 #
41)	Toxaphene...	8.605f	9.557	17911	2499381	0.233	38.602 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:57
Operator : MJB
Sample : 0G17041-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:41:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:14
 Operator : MJB
 Sample : 0G17041-CAL4
 Misc : A20C179, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.080	18931092	16368939	5.072	4.663
22) S DCBP (S)	9.595	10.660	16272198	10905350	5.153	5.052
Target Compounds						
2) a-BHC	5.933	6.686	24927157	21917078	5.062	4.965
3) g-BHC	6.219	7.004	22425297	19662115	5.070	5.042
4) b-BHC	6.298	7.067	9687102	8897498	4.879	4.720
5) Heptachlor	6.626	7.378	21596752	19364391	5.101	5.014
6) d-BHC	6.448	7.322	20782872	18986978	5.038	5.001
7) Aldrin	6.866	7.644	21970090	18430617	5.035	4.997
8) Heptachlo...	7.329	8.082	20358408	17163624	5.027	4.689
9) trans-Chl...	7.424	8.222	20800588	16945470	5.027	4.573
10) cis-Chlor...	7.520	8.329	20032381	16723191	4.885	4.713
11) Endosulfa...	7.618	8.382	18727887	15748002	4.964	4.754
12) 4,4'-DDE	7.582	8.432	20624857	17035139	5.045	4.940
13) Dieldrin	7.790	8.582	21466979	16975757	5.076	4.616
14) Endrin	7.955	8.810	15263803	12223972	5.048	4.990
15) 4,4'-DDD	8.004	8.848	16355832	13911502	4.897	4.836
16) Endosulfa...	8.115	8.959	15952313	13560676	4.933	4.622
17) 4,4'-DDT	8.201	9.076	14758942	12674572	4.776	4.867
18) Endrin Al...	8.403	9.195	16116018	13083092	4.894	4.596
19) Endosulfa...	8.704	9.385	14032724	11961356	4.845	4.943
20) Methoxychlor	8.542	9.556	7562519	7089165	4.990	4.781
21) Endrin Ke...	8.898	9.788	10451380	8022001	4.522	4.752
23) Hexachlor...	3.184	3.778	28414	30624	BelowCal	BelowCal
24) Hexachlor...	5.771	6.566f	118208	108076	BelowCal	BelowCal
25) Oxychlorane	7.265	7.992	98401	50716	104477.322	BelowCal #
26) 2,4'-DDE	7.329	8.222	20358408	16945470	7.774	7.424
27) trans-Non...	7.520	8.278	20032381	98520	5.106	BelowCal #
28) 2,4'-DDD	7.709	8.582	53636	16975757	BelowCal	8.441
29) 2,4'-DDT	7.887	8.810	52321	12223972	BelowCal	5.821

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:14
 Operator : MJB
 Sample : 0G17041-CAL4
 Misc : A20C179, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

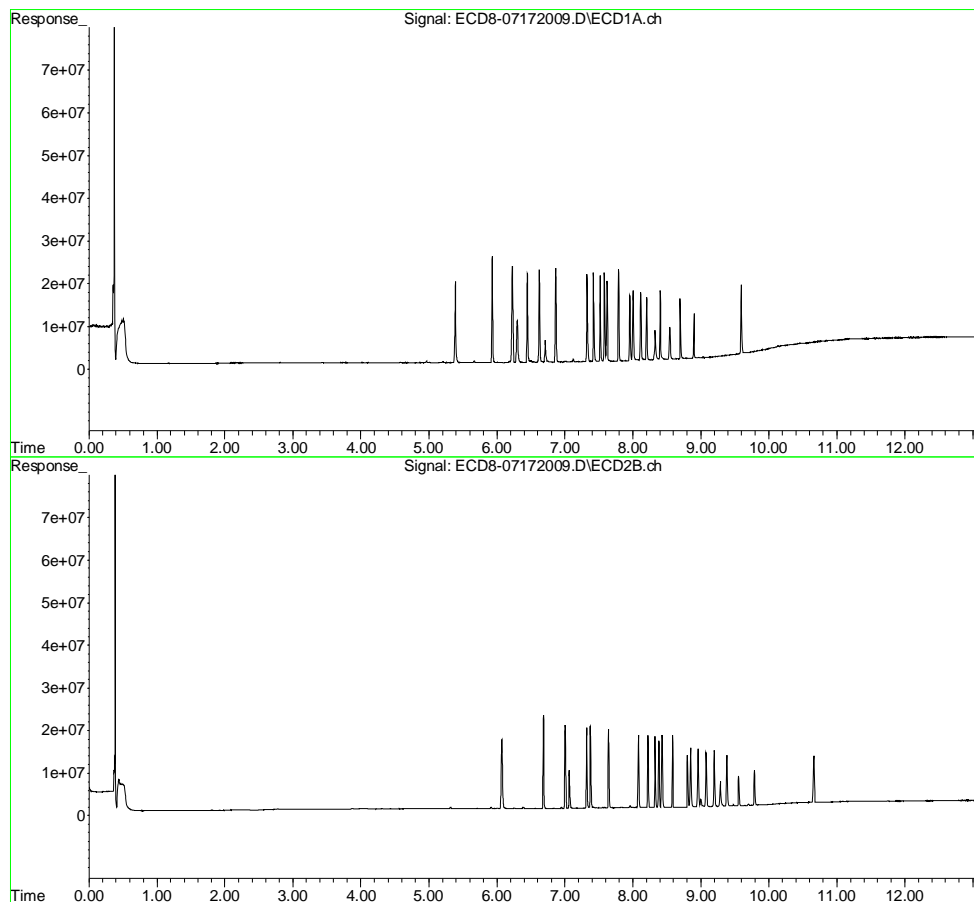
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.955	8.848	15263803	13911502	3.576	3.768
31)	Mirex	8.652	9.788	47920	8022001	14904.435	3.390 #
32)	Chlordane...	7.424	8.222	20800588	16945470	45.979	38.355
33)	Chlordane...	7.520	8.329	20032381	16723191	36.409	44.927
34)	Chlordane...	8.064	8.995	204180	1724173	1.408	6.409 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.520f	8.582f	20032381	16975757	1164.541	561.422 #
37)	Toxaphene...	7.790	8.920f	21466979	79661	661.306	2.027 #
38)	Toxaphene...	8.115f	8.920	15952313	79661	211.713	1.260 #
39)	Toxaphene...	8.330	8.995	6924817	1724173	98.656	11.802 #
40)	Toxaphene...	8.542	9.195	7562519	13083092	135.405	230.435 #
41)	Toxaphene...	8.652f	9.556	47920	7089165	0.623	109.489 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 19:14
Operator : MJB
Sample : 0G17041-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:42:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:30
 Operator : MJB
 Sample : 0G17041-CAL5
 Misc : A20C180, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:24 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.079	37661455	32621298	10.090	9.293
22) S DCBP (S)	9.595	10.659	31430664	20775475	10.161	9.805
Target Compounds						
2) a-BHC	5.933	6.685	48977633	44713321	9.946	10.008
3) g-BHC	6.218	7.004	43374144	39454629	9.806	10.033
4) b-BHC	6.297	7.067	19492517	17356070	9.818	9.206
5) Heptachlor	6.626	7.378	41625810	38272594	9.832	9.870
6) d-BHC	6.447	7.323	41540851	38718065	10.071	10.087
7) Aldrin	6.866	7.644	44212633	37476911	10.132	10.093
8) Heptachlo...	7.328	8.082	39973725	33720987	9.871	9.211
9) trans-Chl...	7.423	8.222	40751734	33914453	9.849	9.153
10) cis-Chlor...	7.520	8.329	39531751	33601845	9.639	9.471
11) Endosulfa...	7.617	8.382	37534040	30536439	9.948	9.219
12) 4,4'-DDE	7.581	8.432	40945008	35038068	10.016	10.050
13) Dieldrin	7.789	8.582	41629628	34744561	9.844	9.447
14) Endrin	7.954	8.810	30876148	24238440	10.212	9.846
15) 4,4'-DDD	8.003	8.849	33565883	28753995	10.050	9.903
16) Endosulfa...	8.114	8.959	32181724	27159286	9.952	9.258
17) 4,4'-DDT	8.201	9.076	30940885	25909625	10.013	9.857
18) Endrin Al...	8.403	9.195	31735764	25407176	9.638	8.925
19) Endosulfa...	8.704	9.385	29751499	23878379	10.272	9.837
20) Methoxychlor	8.542	9.556	14083584	13377151	9.293	9.022
21) Endrin Ke...	8.898	9.788	21133320	17024410	9.143	10.089
23) Hexachlor...	3.176	3.774	23255	5618	BelowCal	BelowCal
24) Hexachlor...	5.770	6.567f	105934	89193	BelowCal	BelowCal
25) Oxychlorane	7.234	7.992	19468	79342	104477.346	BelowCal #
26) 2,4'-DDE	7.328	8.222	39973725	33914453	15.406	14.911
27) trans-Non...	7.520	8.281	39531751	132215	10.301	BelowCal #
28) 2,4'-DDD	7.707	8.582	115801	34744561	BelowCal	17.292
29) 2,4'-DDT	7.888	8.810	125373	24238440	BelowCal	11.640

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:30
 Operator : MJB
 Sample : 0G17041-CAL5
 Misc : A20C180, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:24 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

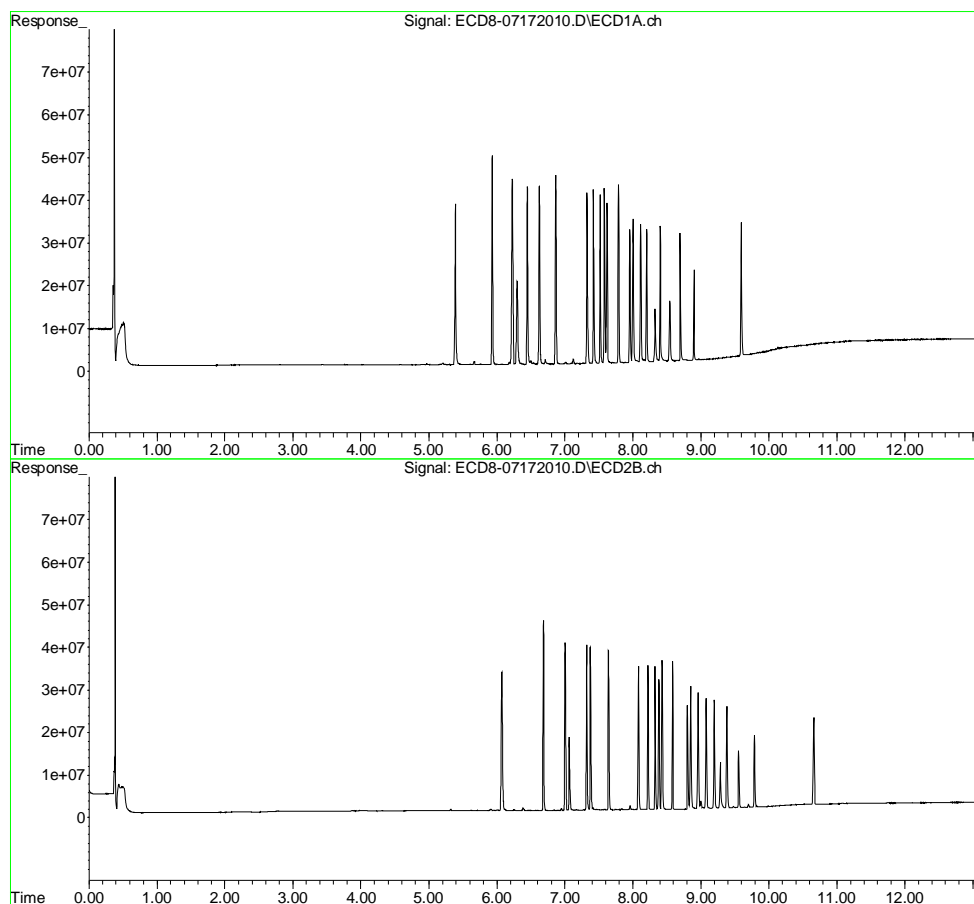
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.954	8.849	30876148	28753995	7.416	7.940
31)	Mirex	8.651	9.788	121209	17024410	14904.407	7.631 #
32)	Chlordane...	7.423	8.222	40751734	33914453	90.081	76.763
33)	Chlordane...	7.520	8.329	39531751	33601845	71.850	90.272 #
34)	Chlordane...	8.063	8.995	394348	1797955	2.719	7.104 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.520f	8.582f	39531751	34744561	2298.096	1149.071 #
37)	Toxaphene...	7.789	0.000	41629628	0	1291.910	N.D. #
38)	Toxaphene...	8.114f	8.959f	32181724	27159286	427.103	429.486
39)	Toxaphene...	8.329	8.995	12307817	1797955	178.606	12.612 #
40)	Toxaphene...	8.542	9.195	14083584	25407176	252.163	447.502 #
41)	Toxaphene...	8.651f	9.556	121209	13377151	1.577	206.604 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 19:30
Operator : MJB
Sample : 0G17041-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:42:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:47
 Operator : MJB
 Sample : 0G17041-CAL6
 Misc : A20C181, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.079	89211130	84839275	23.902	24.168
22) S DCBP (S)	9.594	10.660	73612216	50113347	24.082	23.693
Target Compounds						
2) a-BHC	5.932	6.686	123.3E6	116.2E6	25.042	25.354
3) g-BHC	6.217	7.004	108.9E6	103.1E6	24.611	25.536
4) b-BHC	6.295	7.066	47753857	43057885	24.053	22.840
5) Heptachlor	6.625	7.378	106.1E6	101.5E6	25.062	25.626
6) d-BHC	6.446	7.322	103.2E6	99905439	25.024	25.392
7) Aldrin	6.865	7.644	106.1E6	97238534	24.318	25.606
8) Heptachlo...	7.327	8.082	96633150	85517085	23.863	23.360
9) trans-Chl...	7.422	8.222	100.3E6	86073442	24.240	23.229
10) cis-Chlor...	7.519	8.328	96315715	84003221	23.486	23.676
11) Endosulfa...	7.616	8.381	88828375	78073443	23.543	23.570
12) 4,4'-DDE	7.580	8.431	101.6E6	89875572	24.861	25.089
13) Dieldrin	7.788	8.582	101.8E6	89378150	24.078	24.302
14) Endrin	7.953	8.810	74705441	65935392	24.707	26.119
15) 4,4'-DDD	8.002	8.848	81479433	73570318	24.395	24.711
16) Endosulfa...	8.112	8.958	78180702	68170658	24.177	23.237
17) 4,4'-DDT	8.200	9.076	77234425	72132824	24.996	26.506
18) Endrin Al...	8.401	9.194	74485882	63589507	22.621	22.337
19) Endosulfa...	8.703	9.385	71357653	61962840	24.637	24.984
20) Methoxychlor	8.541	9.556	37317871	35103449	24.624	23.674
21) Endrin Ke...	8.897	9.788	56008072	43829907	24.231	25.311
23) Hexachlor...	3.182	3.774	30153	9226	BelowCal	BelowCal
24) Hexachlor...	5.771	6.540	235298	36660	BelowCal	BelowCal
25) Oxychlorane	7.263	7.991	474667	138005	104477.212	BelowCal #
26) 2,4'-DDE	7.327	8.222	96633150	86073442	37.274	37.053
27) trans-Non...	7.519	8.280	96315715	339952	25.416	BelowCal #
28) 2,4'-DDD	7.706	8.582	237060	89378150	BelowCal	43.322
29) 2,4'-DDT	7.885	8.810	263656	65935392	BelowCal	31.144

ECD8_QUANTPEST_200717.M Mon Jul 20 14:51:31 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:47
 Operator : MJB
 Sample : 0G17041-CAL6
 Misc : A20C181, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

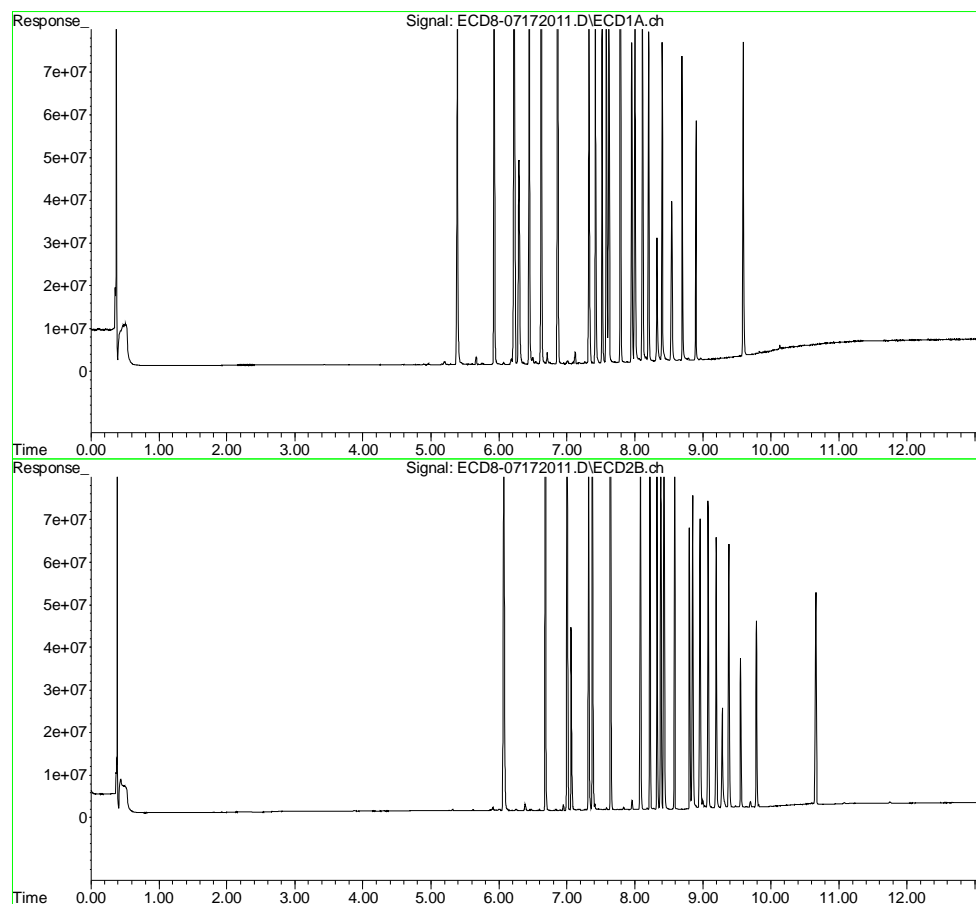
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.953f	8.848	74705441	73570318	18.175	20.301
31)	Mirex	8.651	9.788	237914	43829907	14904.363	20.079 #
32)	Chlordane...	7.422	8.222	100.3E6	86073442	221.695	194.821
33)	Chlordane...	7.519	8.328	96315715	84003221	175.055	225.677 #
34)	Chlordane...	8.062	8.995	880928	1953405	6.074	8.570 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.519f	8.582f	96315715	89378150	5599.114	2955.911 #
37)	Toxaphene...	7.788	0.000	101.8E6	0	3214.475	N.D. #
38)	Toxaphene...	8.112	8.958f	78180702	68170658	1037.584	1078.024
39)	Toxaphene...	8.328	8.995	28681242	1953405	418.584	14.317 #
40)	Toxaphene...	8.541f	9.194	37317871	63589507	668.166	1120.016 #
41)	Toxaphene...	8.651f	9.556	237914	35103449	3.095	542.158 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 19:47
Operator : MJB
Sample : 0G17041-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:42:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:03
 Operator : MJB
 Sample : 0G17041-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.391	6.079	183.6E6	183.6E6	49.185	52.291
22) S DCBP (S)	9.595	10.659	150.4E6	110.4E6	49.373	51.203
Target Compounds						
2) a-BHC	5.932	6.685	262.7E6	263.2E6	53.349	54.914
3) g-BHC	6.217	7.003	227.3E6	227.4E6	51.395	53.815
4) b-BHC	6.295	7.065	94623167	93322988	47.660	49.502
5) Heptachlor	6.625	7.378	221.5E6	227.5E6	52.323	55.063
6) d-BHC	6.446	7.322	215.8E6	222.9E6	52.321	54.295
7) Aldrin	6.866	7.644	222.1E6	208.1E6	50.896	52.710
8) Heptachlo...	7.327	8.082	205.1E6	188.7E6	50.642	51.559
9) trans-Chl...	7.422	8.221	210.7E6	196.0E6	50.920	52.901
10) cis-Chlor...	7.518	8.328	202.4E6	184.2E6	49.348	51.923
11) Endosulfa...	7.616	8.380	190.7E6	172.1E6	50.540	51.944
12) 4,4'-DDE	7.581	8.431	211.1E6	199.4E6	51.633	53.107
13) Dieldrin	7.787	8.581	222.8E6	201.4E6	52.693	54.760
14) Endrin	7.952	8.809	154.2E6	145.6E6	50.996	55.092
15) 4,4'-DDD	8.002	8.848	170.1E6	170.2E6	50.934	54.507
16) Endosulfa...	8.111	8.957	165.9E6	156.4E6	51.312	53.323
17) 4,4'-DDT	8.199	9.075	167.8E6	159.3E6	54.320	55.218
18) Endrin Al...	8.400	9.193	157.3E6	139.4E6	47.758	48.969
19) Endosulfa...	8.702	9.384	149.9E6	139.6E6	51.738	53.870
20) Methoxychlor	8.541	9.555	77457302	78307583	51.109	52.811
21) Endrin Ke...	8.896	9.787	122.1E6	97552598	52.810	53.339
23) Hexachlor...	0.000	3.759	0	16941	N.D.	BelowCal
24) Hexachlor...	5.756	6.542	872916	10504	0.016	BelowCal #
25) Oxychlordan	7.264	7.992	926251	559078	0.087	BelowCal #
26) 2,4'-DDE	7.327	8.221	205.1E6	196.0E6	78.425	80.138
27) trans-Non...	7.518	8.278	202.4E6	837883	53.588	0.009 #
28) 2,4'-DDD	7.705	8.581	475265	201.4E6	0.017	92.136 #
29) 2,4'-DDT	7.885	8.809	512596	145.6E6	0.038	65.883 #

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:03
 Operator : MJB
 Sample : 0G17041-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:42:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

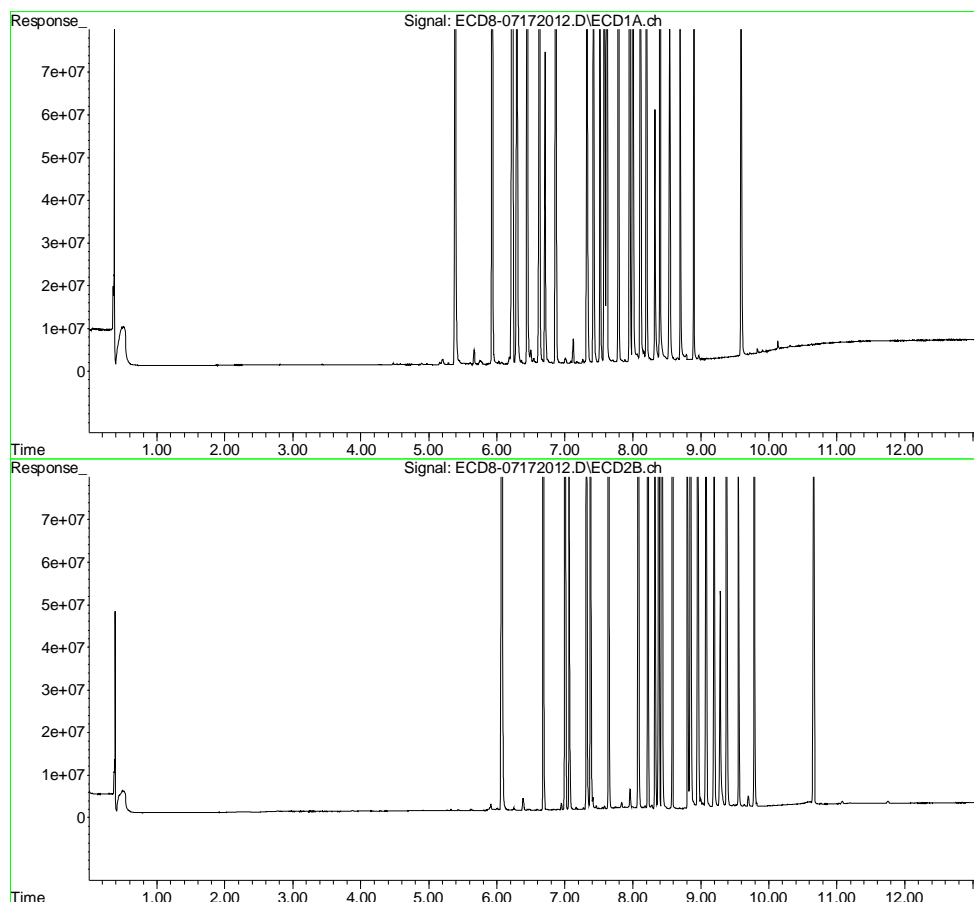
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.952f	8.848	154.2E6	170.2E6	37.598	45.859
31)	Mirex	8.651	9.787	512025	97552598	14904.258	44.278 #
32)	Chlordane...	7.422	8.221	210.7E6	196.0E6	465.712	443.674
33)	Chlordane...	7.518	8.328	202.4E6	184.2E6	367.832	494.925 #
34)	Chlordane...	0.000	8.994	0	2160914	N.D.	10.526 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.518f	8.581f	202.4E6	201.4E6	11765.032	6660.528 #
37)	Toxaphene...	7.787	0.000	222.8E6	0	7281.003	N.D. #
38)	Toxaphene...	8.111	8.957f	165.9E6	156.4E6	2202.161	2473.834
39)	Toxaphene...	8.327	8.994	57651765	2160914	832.050	16.591 #
40)	Toxaphene...	8.541	9.193	77457302	139.4E6	1386.851	2455.354 #
41)	Toxaphene...	8.651f	9.555	512025	78307583	6.660	1209.427 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 20:03
Operator : MJB
Sample : 0G17041-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:42:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:20
 Operator : MJB
 Sample : 0G17041-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:43:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.390	6.079	372.4E6	365.1E6	99.774	103.995
22) S DCBP (S)	9.594	10.659	302.8E6	226.5E6	99.361	100.828
Target Compounds						
2) a-BHC	5.932	6.684	510.2E6	525.0E6	103.604	102.448
3) g-BHC	6.216	7.003	452.0E6	451.5E6	102.182	99.599
4) b-BHC	6.293	7.065	195.8E6	186.2E6	98.596	98.792
5) Heptachlor	6.625	7.377	433.1E6	445.2E6	102.301	101.179
6) d-BHC	6.444	7.321	428.6E6	441.0E6	103.896	100.789
7) Aldrin	6.865	7.644	442.0E6	431.4E6	101.286	102.157
8) Heptachlo...	7.325	8.081	392.0E6	394.4E6	96.807	107.738
9) trans-Chl...	7.420	8.220	408.8E6	403.1E6	98.795	108.798
10) cis-Chlor...	7.516	8.327	391.8E6	380.2E6	95.543	107.162
11) Endosulfa...	7.614	8.380	373.2E6	359.5E6	98.920	108.531
12) 4,4'-DDE	7.580	8.431	419.0E6	419.3E6	102.484	103.217
13) Dieldrin	7.786	8.580	423.5E6	396.5E6	100.138	107.801
14) Endrin	7.951	8.809	312.0E6	285.3E6	103.195	100.701
15) 4,4'-DDD	8.000	8.847	342.6E6	351.0E6	102.579	104.240
16) Endosulfa...	8.109	8.957	325.0E6	313.1E6	100.488	106.730
17) 4,4'-DDT	8.198	9.075	317.5E6	324.7E6	102.769	102.830
18) Endrin Al...	8.399	9.194	297.1E6	286.0E6	90.225	100.457
19) Endosulfa...	8.701	9.384	295.3E6	287.9E6	101.956	103.350
20) Methoxychlor	8.540	9.555	151.2E6	155.4E6	99.742	104.818
21) Endrin Ke...	8.895	9.787	233.5E6	207.3E6	101.008	103.263
23) Hexachlor...	3.149f	3.758	13231	19416	BelowCal	BelowCal
24) Hexachlor...	5.771	6.545	803971	24048	BelowCal	BelowCal
25) Oxychlordan	7.261	7.988	1761412	489051	0.331	BelowCal #
26) 2,4'-DDE	7.325	8.220	392.0E6	403.1E6	147.346	151.642
27) trans-Non...	7.516	8.280	391.8E6	1040964	103.719	0.073 #
28) 2,4'-DDD	7.703	8.580	903257	396.5E6	0.209	166.657 #
29) 2,4'-DDT	7.883	8.809	1102234	285.3E6	0.293	120.594 #

✓

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:20
 Operator : MJB
 Sample : 0G17041-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:43:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

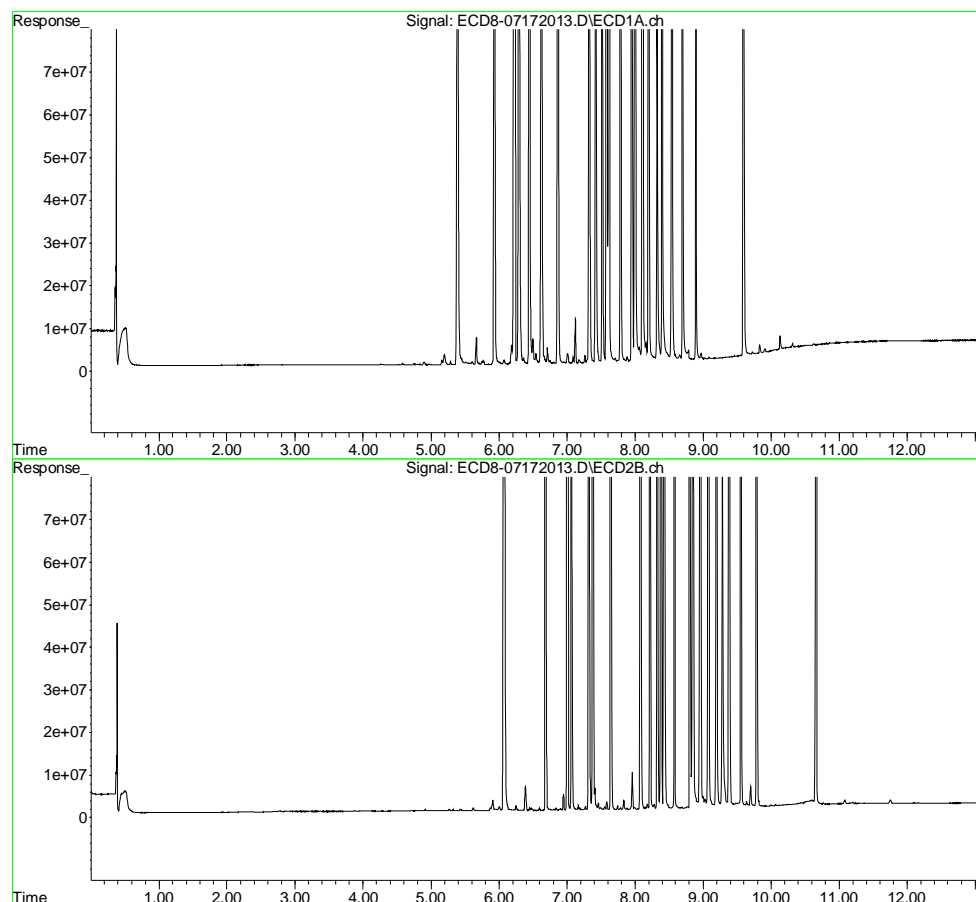
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.951f	8.847	312.0E6	351.0E6	75.829	90.242
31)	Mirex	8.650	9.787	1022099	207.3E6	0.104	90.976 #
32)	Chlordane...	7.420	8.220	408.8E6	403.1E6	903.575	912.468
33)	Chlordane...	7.516	8.327	391.8E6	380.2E6	712.156	1021.447 #
34)	Chlordane...	8.062	8.994	3228501	2723517	22.260	15.824 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.516f	8.580f	391.8E6	396.5E6	22778.181	13111.954 #
37)	Toxaphene...	7.786	0.000	423.5E6	0	14779.281	N.D. #
38)	Toxaphene...	8.109	8.957f	325.0E6	313.1E6	4312.615	4951.564
39)	Toxaphene...	8.325	8.994	105.0E6	2723517	1480.486	22.753 #
40)	Toxaphene...	8.540f	9.194	151.2E6	286.0E6	2706.488	5037.018 #
41)	Toxaphene...	8.650f	9.555	1022099	155.4E6	13.295	2400.456 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 20:20
Operator : MJB
Sample : 0G17041-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:43:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:37
 Operator : MJB
 Sample : 0G17041-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:43:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.390	6.079	749.2E6	799.8E6	200.740	227.852
22) S DCBP (S)	9.593	10.659	617.8E6	485.2E6	201.844	199.371
Target Compounds						
2) a-BHC	5.931	6.684	1056.6E6	1120.2E6	214.569	194.409
3) g-BHC	6.215	7.003	928.1E6	1024.2E6	209.815	197.395
4) b-BHC	6.292	7.064	382.8E6	393.1E6	192.833	208.513
5) Heptachlor	6.624	7.377	871.0E6	966.2E6	205.728	195.202
6) d-BHC	6.443	7.321	875.5E6	966.5E6	212.233	196.083
7) Aldrin	6.864	7.643	885.2E6	929.8E6	202.856	195.950
8) Heptachlo...	7.324	8.080	789.0E6	840.5E6	194.845	229.603
9) trans-Chl...	7.419	8.219	826.3E6	850.1E6	199.716	229.426
10) cis-Chlor...	7.515	8.327	797.8E6	796.0E6	194.543	224.337
11) Endosulfa...	7.614	8.378	757.4E6	768.4E6	200.741	231.992
12) 4,4'-DDE	7.578	8.430	875.6E6	903.6E6	214.182	195.326
13) Dieldrin	7.785	8.579	865.5E6	863.7E6	204.647	234.842
14) Endrin	7.950	8.808	625.8E6	631.0E6	206.977	195.425
15) 4,4'-DDD	7.999	8.847	714.0E6	737.5E6	213.787	193.827
16) Endosulfa...	8.108	8.955	665.2E6	675.6E6	205.720	230.276
17) 4,4'-DDT	8.197	9.074	675.9E6	713.1E6	218.751	193.819
18) Endrin Al...	8.398	9.192	627.8E6	616.2E6	190.674	216.458
19) Endosulfa...	8.700	9.383	614.3E6	612.6E6	212.105	194.788
20) Methoxychlor	8.539	9.554	315.0E6	329.9E6	207.848	222.515
21) Endrin Ke...	8.894	9.786	496.5E6	456.5E6	214.790	195.260
23) Hexachlor...	3.187	3.771	26831	19497	BelowCal	BelowCal
24) Hexachlor...	5.771	6.543	1520365	49402	0.199	BelowCal #
25) Oxychlordan	7.260	7.986	3275109	1092804	0.774	0.143 #
26) 2,4'-DDE	7.324	8.219	789.0E6	850.1E6	286.245	279.485
27) trans-Non...	7.515	8.279	797.8E6	1874485	210.348	0.336 #
28) 2,4'-DDD	7.702	8.579	1735124	863.7E6	0.582	312.871 #
29) 2,4'-DDT	7.883	8.808	2226200	631.0E6	0.778	234.283 #

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:37
 Operator : MJB
 Sample : 0G17041-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:43:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

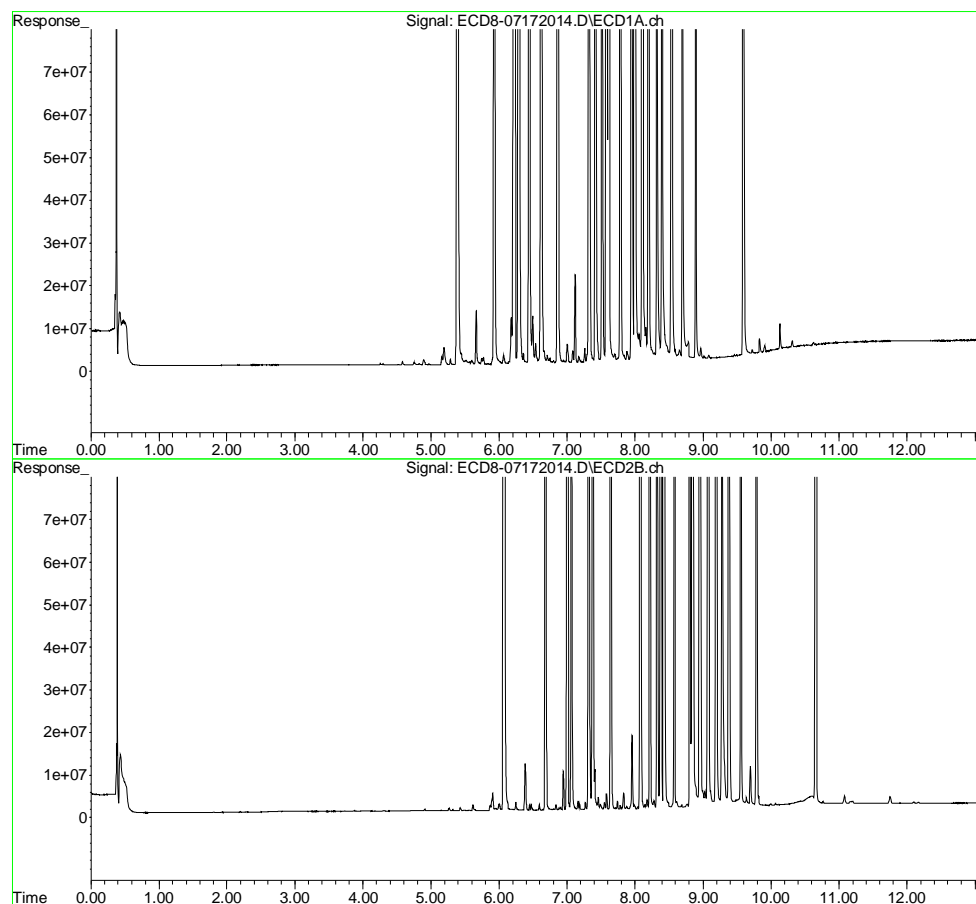
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.950f	8.847	625.8E6	737.5E6	150.572	174.237
31)	Mirex	8.649	9.786	1997598	456.5E6	0.477	186.509 #
32)	Chlordane...	7.419	8.219	826.3E6	850.1E6	1826.596	1924.150
33)	Chlordane...	7.515	8.327	797.8E6	796.0E6	1450.075	2138.340 #
34)	Chlordane...	8.060	8.955f	6204268	675.6E6	42.777	4284.747 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.515f	8.579f	797.8E6	863.7E6	46380.361	28564.072 #
37)	Toxaphene...	7.785	0.000	865.5E6	0	38440.687	N.D. #
38)	Toxaphene...	8.108	8.955f	665.2E6	675.6E6	8828.804	10683.247
39)	Toxaphene...	8.323	9.033f	194.4E6	3790568	2624.871	34.415 #
40)	Toxaphene...	8.539f	9.192	315.0E6	616.2E6	5639.942	10853.383 #
41)	Toxaphene...	8.649f	9.554	1997598	329.9E6	25.984	5095.823 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 20:37
Operator : MJB
Sample : 0G17041-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:43:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:26
 Operator : MJB
 Sample : 0G17041-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.389	6.079	46860	55160	0.013	0.016 #
22) S DCBP (S)	9.596	10.659	303049	442067	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.944	6.684	40089	23674	0.008	0.046 #
3) g-BHC	6.219	7.003	31198	27499	0.007	0.006
4) b-BHC	6.302	7.066	35493	19008	0.018	0.010 #
5) Heptachlor	6.629	7.378	42792	27058	0.010	BelowCal #
6) d-BHC	6.452	7.321	38178	40092	0.009	0.043 #
7) Aldrin	6.863	7.645	37682	28729	0.009	BelowCal #
8) Heptachlo...	7.332	8.081	1697469	52423	0.419	0.014 #
9) trans-Chl...	7.426	8.211	120937	1531133	0.029	0.413 #
10) cis-Chlor...	7.511	8.329	2708442	134960	0.660	0.038 #
11) Endosulfa...	7.623	8.379	31792	26692	0.008	0.008
12) 4,4'-DDE	7.580	8.430	60905	37056	0.015	0.029 #
13) Dieldrin	7.789	8.583	81114	1354404	0.019	0.368 #
14) Endrin	7.981f	8.809	2710672	1387580	0.896	0.540 #
15) 4,4'-DDD	7.981f	8.850	2710672	2337639	0.812	0.824
16) Endosulfa...	8.118	8.961	42280	76227	0.013	0.026 #
17) 4,4'-DDT	8.200	9.077	53319	136477	0.017	0.037 #
18) Endrin Al...	8.404	9.194	210693	165176	0.064	0.058
19) Endosulfa...	8.705	9.385	44620	106242	0.015	BelowCal #
20) Methoxychlor	8.547	9.555	32583	123622	0.021	0.083 #
21) Endrin Ke...	8.886	9.779	354907	1857129	0.154	1.025 #
23) Hexachlor...	3.182	3.775	2442623	2610849	0.474	0.479
24) Hexachlor...	5.771	6.544	2520153	2355809	0.481	0.487
25) Oxychlordan	7.256	8.010	2279406	2071594	0.483	0.484
26) 2,4'-DDE	7.332	8.211	1697469	1531133	0.484	0.490
27) trans-Non...	7.511	8.283	2708442	2349402	0.488	0.486
28) 2,4'-DDD	7.704	8.583	1506066	1354404	0.479	0.485
29) 2,4'-DDT	7.885	8.809	1534728	1387580	0.479	0.489

✓

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:26
 Operator : MJB
 Sample : 0G17041-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

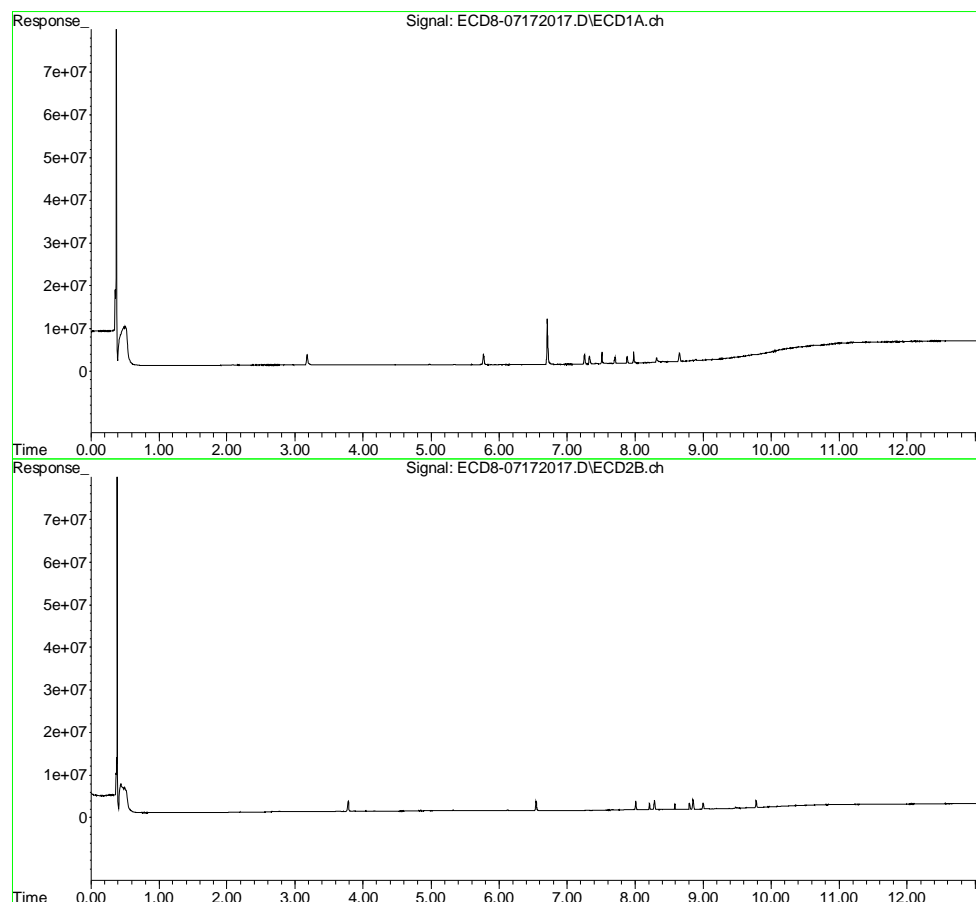
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.981	8.850	2710672	2337639	0.484	0.486	
31)	Mirex	8.647	9.779	1992597	1857129	0.475	0.469	✓
32)	Chlordane...	7.426	8.211	120937	1531133	0.267	3.466	#
33)	Chlordane...	7.511	8.329	2708442	134960	4.923	0.363	#
34)	Chlordane...	8.072	8.995	26684	1348675	0.184	2.866	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.511f	8.538	2708442	10020	157.450	0.331	#
37)	Toxaphene...	7.789	8.933f	81114	58540	125252.952	1.490	#
38)	Toxaphene...	8.072f	8.933	26684	58540	0.354	0.926	#
39)	Toxaphene...	8.316	8.995	1081554	1348675	11.258	7.681	#
40)	Toxaphene...	8.547	9.172	32583	127443	0.583	2.245	#
41)	Toxaphene...	8.647	9.555	1992597	123622	25.919	1.909	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:43
 Operator : MJB
 Sample : 0G17041-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.363f	6.091	95564	17851	0.026	0.005 #
22) S DCBP (S)	0.000	10.649	0	393552	N.D.	BelowCal
Target Compounds						
2) a-BHC	5.927	6.681	25383	7410	0.005	0.042 #
3) g-BHC	6.220	7.000	19444	13773	0.004	0.002 #
4) b-BHC	6.301	7.054	28906	13074	0.015	0.007 #
5) Heptachlor	6.629	7.377	27111	25875	0.006	BelowCal #
6) d-BHC	6.452	7.320	15421	30892	0.004	0.040 #
7) Aldrin	6.865	7.648	24467	47937	0.006	0.004 #
8) Heptachlo...	7.332	8.082	3231037	76521	0.798	0.021 #
9) trans-Chl...	7.425	8.211	189387	2813710	0.046	0.759 #
10) cis-Chlor...	7.511	8.329	4867111	220149	1.187	0.062 #
11) Endosulfa...	7.644f	8.383	45908	21112	0.012	0.006 #
12) 4,4'-DDE	7.582	8.433	51284	22874	0.013	0.025 #
13) Dieldrin	7.788	8.584	33045	2521607	0.008	0.686 #
14) Endrin	7.980f	8.809	5147187	2602143	1.702	1.042 #
15) 4,4'-DDD	7.980f	8.850	5147187	4492264	1.541	1.575
16) Endosulfa...	8.123	8.930f	19979	27661	0.006	0.009 #
17) 4,4'-DDT	8.203	9.075	8341	82189	0.003	0.016 #
18) Endrin Al...	8.404	9.197	118272	99336	0.036	0.035
19) Endosulfa...	0.000	9.386	0	77673	N.D.	BelowCal
20) Methoxychlor	0.000	9.539	0	103113	N.D.	0.070 #
21) Endrin Ke...	8.886	9.780	343286	3252585	0.149	1.874 #
23) Hexachlor...	3.182	3.776	4669498	4887151	1.116	1.096
24) Hexachlor...	5.770	6.544	4691983	4319699	1.094	1.084
25) Oxychlordan	7.255	8.009	4346224	3816786	1.088	1.091
26) 2,4'-DDE	7.332	8.211	3231037	2813710	1.085	1.072
27) trans-Non...	7.511	8.283	4867111	4254521	1.064	1.087
28) 2,4'-DDD	7.704	8.584	2904094	2521607	1.105	1.085
29) 2,4'-DDT	7.886	8.809	3010061	2602143	1.116	1.090



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:43
 Operator : MJB
 Sample : 0G17041-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

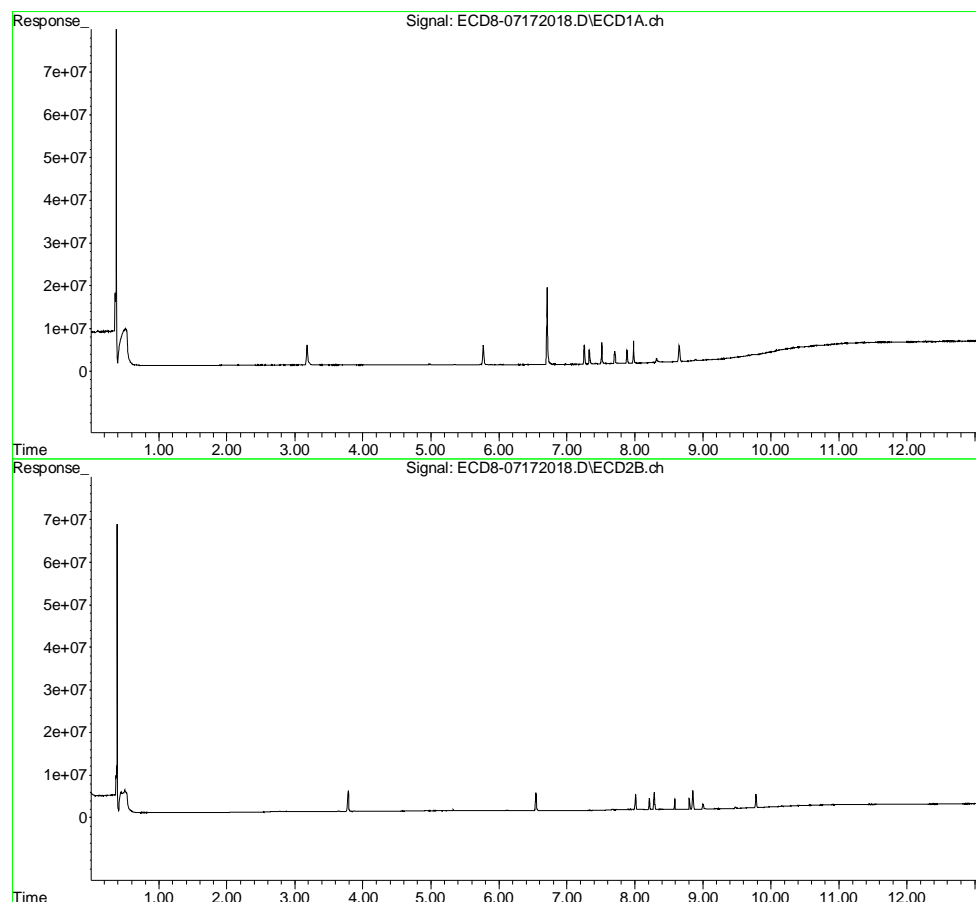
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.980	8.850	5147187	4492264	1.084	1.099	
31)	Mirex	8.648	9.780	3681219	3252585	1.121	1.131	✓
32)	Chlordane...	7.425	8.211	189387	2813710	0.419	6.369	#
33)	Chlordane...	7.511	8.329	4867111	220149	8.846	0.591	#
34)	Chlordane...	8.062	8.997	13335	1216432	0.092	1.617	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.511f	8.552	4867111	7147	282.939	0.236	#
37)	Toxaphene...	7.788	8.904	33045	19295	125254.432	0.491	#
38)	Toxaphene...	8.123f	8.930	19979	27661	0.265	0.437	#
39)	Toxaphene...	8.317	8.997	937430	1216432	9.094	6.228	#
40)	Toxaphene...	0.000	9.171	0	76540	N.D.	1.348	#
41)	Toxaphene...	8.648	9.574	3681219	118938	47.885	1.837	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:43
Operator : MJB
Sample : 0G17041-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:59
 Operator : MJB
 Sample : 0G17041-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.363f	6.068	164959	25771	0.044	0.007 #
22) S DCBP (S)	0.000	10.643	0	384736	N.D.	BelowCal
Target Compounds						
2) a-BHC	5.944	6.689	54648	18266	0.011	0.045 #
3) g-BHC	6.218	7.003	18765	18521	0.004	0.004
4) b-BHC	6.298	7.060	25670	13361	0.013	0.007 #
5) Heptachlor	6.627	7.378	38825	34888	0.009	BelowCal #
6) d-BHC	6.453	7.319	18584	31286	0.005	0.040 #
7) Aldrin	6.885	7.665f	10306	202610	0.002	0.046 #
8) Heptachlo...	7.331	8.080	5373567	22439	1.327	0.006 #
9) trans-Chl...	7.424	8.210	264247	4622970	0.064	1.248 #
10) cis-Chlor...	7.510	8.329	8145922	352717	1.986	0.099 #
11) Endosulfa...	7.644f	8.387	70187	30752	0.019	0.009 #
12) 4,4'-DDE	0.000	8.433	0	26362	N.D.	0.026 #
13) Dieldrin	7.790	8.583	49518	4134571	0.012	1.124 #
14) Endrin	7.979f	8.809	8564156	4124073	2.832	1.670 #
15) 4,4'-DDD	7.979f	8.850	8564156	7162885	2.564	2.504
16) Endosulfa...	0.000	8.933f	0	19760	N.D.	0.007 #
17) 4,4'-DDT	0.000	9.070	0	77392	N.D.	0.014 #
18) Endrin Al...	8.405	9.194	107840	87039	0.033	0.031
19) Endosulfa...	8.700	9.386	22442	67355	0.008	BelowCal #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.886	9.779	330546	5097573	0.143	2.992 #
23) Hexachlor...	3.182	3.776	7600210	8092131	1.962	1.963
24) Hexachlor...	5.771	6.544	7697940	6965613	1.941	1.887
25) Oxychlordan	7.255	8.010	7240444	6165205	1.935	1.907
26) 2,4'-DDE	7.331	8.210	5373567	4622970	1.923	1.891
27) trans-Non...	7.510	8.283	8145922	6801997	1.938	1.888
28) 2,4'-DDD	7.703	8.583	4748095	4134571	1.931	1.913
29) 2,4'-DDT	7.885	8.809	4798715	4124073	1.888	1.843



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:59
 Operator : MJB
 Sample : 0G17041-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

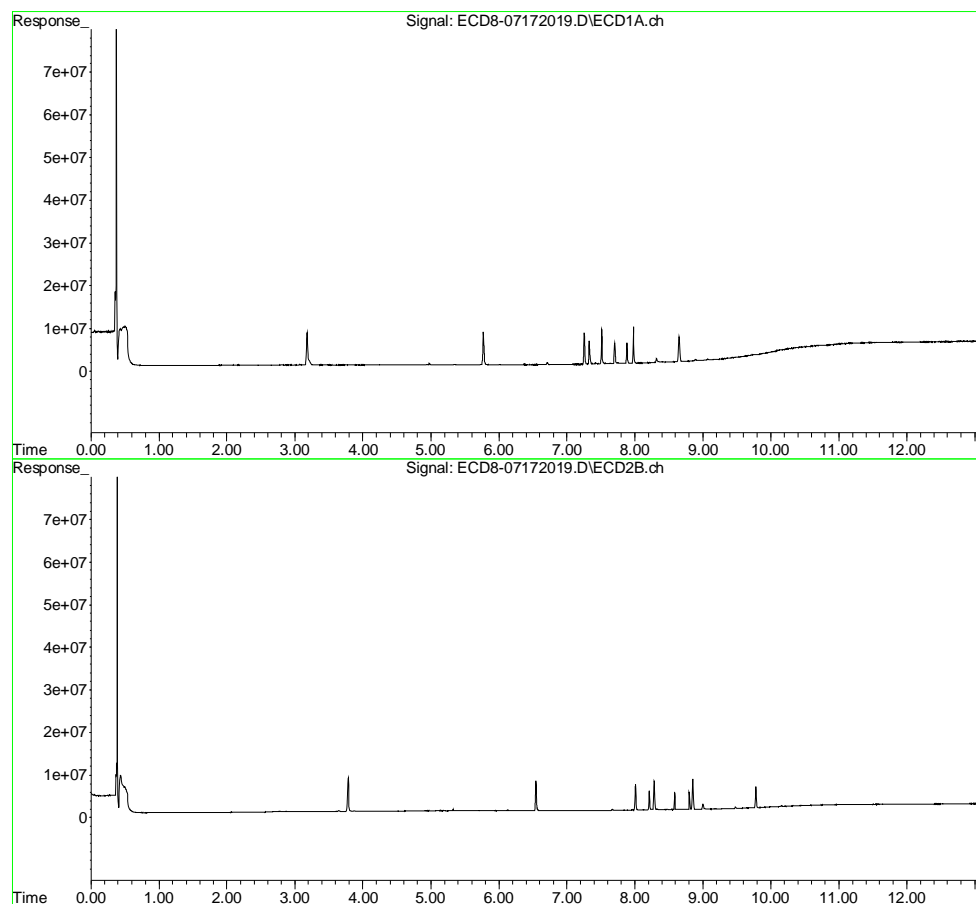
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.979	8.850	8564156	7162885	1.926	1.857] ✓
31)	Mirex	8.647	9.779	5794391	5097573	1.930	2.006	
32)	Chlordane...	7.424	8.210	264247	4622970	0.584	10.464	#
33)	Chlordane...	7.510	8.329	8145922	352717	14.805	0.948	#
34)	Chlordane...	8.067	8.996	6328	1208184	0.044	1.539	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.510f	8.553	8145922	7280	473.546	0.241	#
37)	Toxaphene...	7.774	8.903	51547	17566	125253.862	0.447	#
38)	Toxaphene...	8.067f	8.933	6328	19760	0.084	0.312	#
39)	Toxaphene...	8.316	8.996	896006	1208184	8.472	6.138	#
40)	Toxaphene...	0.000	9.173	0	93257	N.D.	1.643	#
41)	Toxaphene...	8.647	0.000	5794391	0	75.373	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:59
Operator : MJB
Sample : 0G17041-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:32
 Operator : MJB
 Sample : 0G17041-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.419f	6.059f	11338	32071	0.003	0.009 #
22) S DCBP (S)	0.000	10.663	0	377814	N.D.	BelowCal
Target Compounds						
2) a-BHC	5.940	6.682	90987	69377	0.018	0.056 #
3) g-BHC	6.215	7.009	39043	37056	0.009	0.009
4) b-BHC	6.297	7.064	49710	36773	0.025	0.020
5) Heptachlor	6.625	7.377	115084	107735	0.027	BelowCal #
6) d-BHC	6.450	7.322	36179	43563	0.009	0.044 #
7) Aldrin	6.880	7.668f	17378	78284	0.004	0.012 #
8) Heptachlo...	7.329	8.057f	25047340	98533	6.185	0.027 #
9) trans-Chl...	7.421	8.209	546900	21378162	0.132	5.770 #
10) cis-Chlor...	7.509	8.328	37992011	1190972	9.264	0.336 #
11) Endosulfa...	7.643f	8.389	444086	60520	0.118	0.018 #
12) 4,4'-DDE	0.000	8.446	0	26017	N.D.	0.026 #
13) Dieldrin	7.749f	8.582	1079991	18968821	0.255	5.158 #
14) Endrin	7.979f	8.808	40773567	19241110	13.485	7.836 #
15) 4,4'-DDD	7.979f	8.848	40773567	33695186	12.208	11.571
16) Endosulfa...	8.134f	8.919f	22040	55391	0.007	0.019 #
17) 4,4'-DDT	8.198	9.073	24845	93853	0.008	0.021 #
18) Endrin Al...	8.405	9.194	123630	81278	0.038	0.029
19) Endosulfa...	0.000	9.394	0	67831	N.D.	BelowCal
20) Methoxychlor	0.000	9.563	0	129897	N.D.	0.088 #
21) Endrin Ke...	8.885	9.777	333917	20625560	0.144	12.190 #
23) Hexachlor...	3.181	3.775	35332963	36721685	9.965	9.639
24) Hexachlor...	5.770	6.543	35566930	32135008	9.786	9.449
25) Oxychlorane	7.254	8.008	34117780	28358916	9.802	9.542
26) 2,4'-DDE	7.329	8.209	25047340	21378162	9.602	9.394
27) trans-Non...	7.509	8.282	37992011	31448820	9.891	9.559
28) 2,4'-DDD	7.702	8.582	21529553	18968821	9.435	9.444
29) 2,4'-DDT	7.884	8.808	21949604	19241110	9.265	9.231



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:32
 Operator : MJB
 Sample : 0G17041-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:44:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

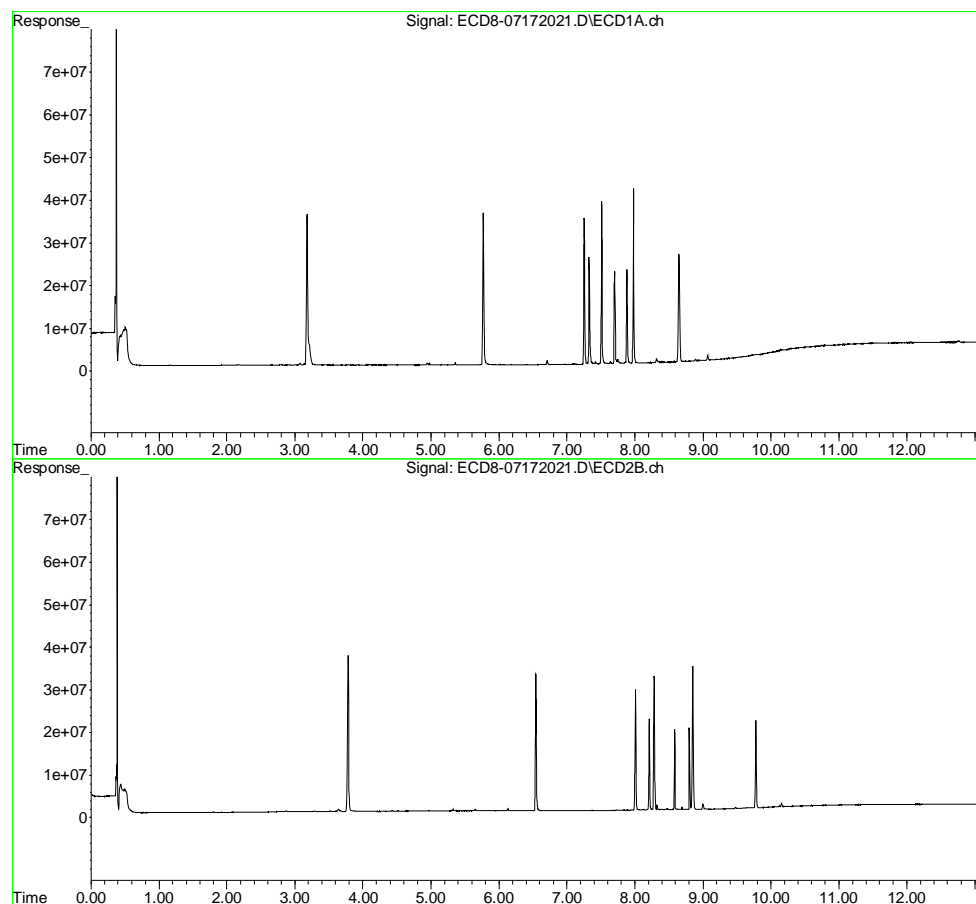
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.979	8.848	40773567	33695186	9.849	9.320
31)	Mirex	8.645	9.777	25109324	20625560	9.324	9.319
32)	Chlordane...	7.421	8.209	546900	21378162	1.209	48.388 #
33)	Chlordane...	7.509	8.328	37992011	1190972	69.051	3.200 #
34)	Chlordane...	0.000	8.996	0	1143991	N.D.	0.933 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.509f	8.582f	37992011	18968821	2208.586	627.336 #
37)	Toxaphene...	7.749f	8.919f	1079991	55391	30.145	1.410 #
38)	Toxaphene...	0.000	8.919	0	55391	N.D.	0.876 #
39)	Toxaphene...	8.317	8.996	897526	1143991	8.495	5.432 #
40)	Toxaphene...	0.000	9.170	0	101105	N.D.	1.781 #
41)	Toxaphene...	8.645	9.563	25109324	129897	326.618	2.006 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 22:32
Operator : MJB
Sample : 0G17041-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:44:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:49
 Operator : MJB
 Sample : 0G17041-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.362f	6.052f	1334141	122887	0.357	0.035 #
22) S DCBP (S)	9.623f	10.667	358895	478496	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.931	6.685	207383	183201	0.042	0.082 #
3) g-BHC	6.214	7.007	107615	118955	0.024	0.030
4) b-BHC	6.293	7.068	101185	108037	0.051	0.057
5) Heptachlor	6.622	7.374	285413	295669	0.067	0.044 #
6) d-BHC	6.443	7.320	91162	108242	0.022	0.061 #
7) Aldrin	6.860	7.642	34826	33100	0.008	BelowCal #
8) Heptachlo...	7.328	8.056f	65289340	210100	16.123	0.057 #
9) trans-Chl...	7.419	8.208	1307928	57066516	0.316	15.401 #
10) cis-Chlor...	7.507	8.327	93419999	2321944	22.779	0.654 #
11) Endosulfa...	7.596	8.388	174806	149001	0.046	0.045
12) 4,4'-DDE	7.596	8.400f	174806	151417	0.043	0.063 #
13) Dieldrin	7.772	8.581	574419	50483218	0.136	13.727 #
14) Endrin	7.940	8.807	163654	52666887	0.054	21.034 #
15) 4,4'-DDD	7.978f	8.848	100.5E6	90269361	30.105	30.055
16) Endosulfa...	8.126	8.961	52753	44773	0.016	0.015
17) 4,4'-DDT	8.195	9.071	78124	127443	0.025	0.034 #
18) Endrin Al...	8.401	9.193	134022	79135	0.041	0.028 #
19) Endosulfa...	0.000	9.388	0	63061	N.D.	BelowCal
20) Methoxychlor	8.541	9.558	39736	157489	0.026	0.106 #
21) Endrin Ke...	8.880	9.778	380997	52976993	0.165	30.299 #
23) Hexachlor...	3.180	3.774	86399539	96249551	24.694	25.229
24) Hexachlor...	5.769	6.543	88215529	86514647	24.531	25.341
25) Oxychlordan	7.251	8.007	84788230	75349040	24.637	25.298
26) 2,4'-DDE	7.328	8.208	65289340	57066516	25.209	24.894
27) trans-Non...	7.507	8.281	93419999	82371686	24.645	24.970
28) 2,4'-DDD	7.700	8.581	55721395	50483218	24.664	24.966
29) 2,4'-DDT	7.883	8.807	59390486	52666887	25.240	25.048

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:49
 Operator : MJB
 Sample : 0G17041-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

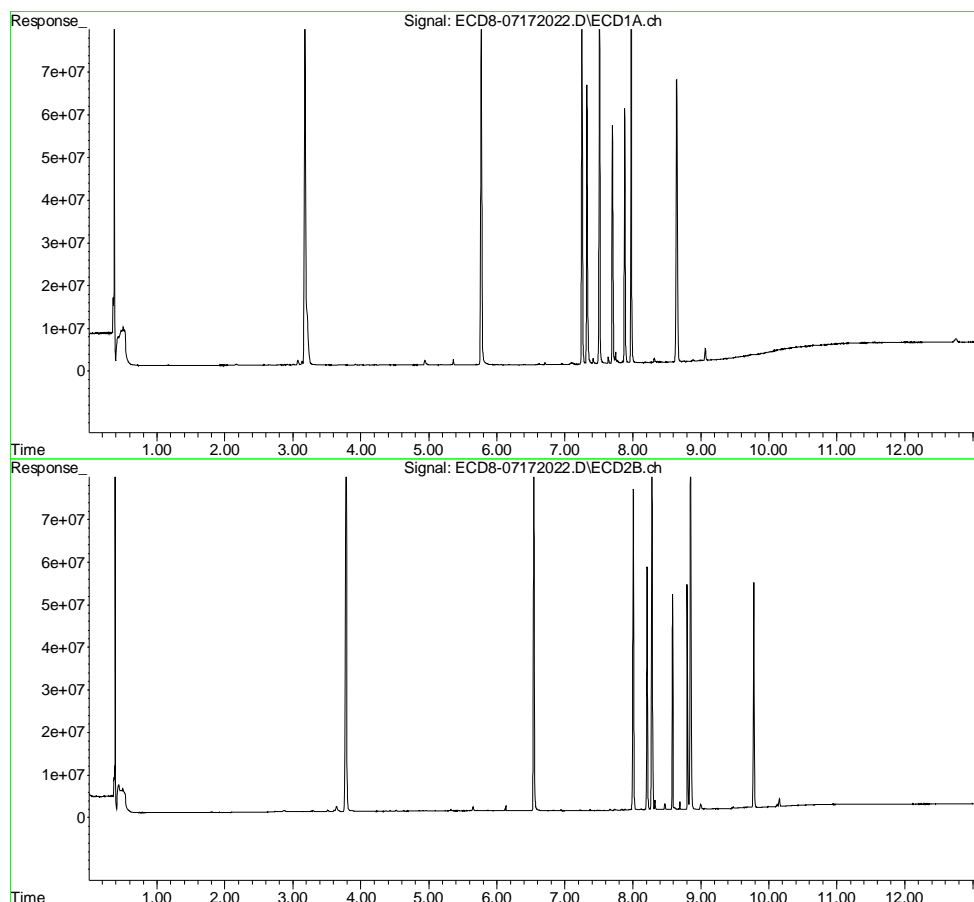
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.978	8.848	100.5E6	90269361	24.503	24.819] ✓
31)	Mirex	8.643	9.778	66062632	52976993	25.025	24.268	
32)	Chlordane...	7.419	8.208	1307928	57066516	2.891	129.166	#
33)	Chlordane...	7.507	8.327	93419999	2321944	169.792	6.238	#
34)	Chlordane...	0.000	8.994	0	1193284	N.D.	1.399	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.507	8.581f	93419999	50483218	5430.777	1669.579	#
37)	Toxaphene...	7.772	8.919f	574419	97981	14.573	2.493	#
38)	Toxaphene...	8.126f	8.919	52753	97981	0.700	1.549	#
39)	Toxaphene...	8.313	8.994	954328	1193284	9.348	5.974	#
40)	Toxaphene...	8.577	9.166	26015	70729	0.466	1.246	#
41)	Toxaphene...	8.643	9.558	66062632	157489	859.333	2.432	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 22:49
Operator : MJB
Sample : 0G17041-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:45:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:05
 Operator : MJB
 Sample : 0G17041-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.362f	6.070	2547627	89512	0.683	0.025 #
22) S DCBP (S)	0.000	10.671	0	401381	N.D.	BelowCal
Target Compounds						
2) a-BHC	5.923	6.688	257191	251413	0.052	0.098 #
3) g-BHC	6.208	7.007	145930	152296	0.033	0.038
4) b-BHC	6.280	7.093f	155435	129857	0.078	0.069
5) Heptachlor	6.618	7.373	576634	603644	0.136	0.125
6) d-BHC	6.440	7.320	126559	187195	0.031	0.082 #
7) Aldrin	6.876	7.628	114122	126592	0.026	0.025
8) Heptachlo...	7.325	8.056f	136.0E6	442908	33.588	0.121 #
9) trans-Chl...	7.416	8.208	2649183	128.0E6	0.640	34.543 #
10) cis-Chlor...	7.505	8.326	199.5E6	4070339	48.653	1.147 #
11) Endosulfa...	7.595f	8.399	385514	363163	0.102	0.110
12) 4,4'-DDE	7.595	8.399f	385514	363163	0.094	0.124 #
13) Dieldrin	7.770	8.581	1150644	110.3E6	0.272	29.999 #
14) Endrin	7.975f	8.806	217.3E6	124.0E6	71.868	47.460 #
15) 4,4'-DDD	7.975f	8.847	217.3E6	205.3E6	65.062	64.692
16) Endosulfa...	8.127	8.955	188669	128966	0.058	0.044
17) 4,4'-DDT	8.194	9.069	231832	235194	0.075	0.076
18) Endrin Al...	8.407	9.194	178624	153128	0.054	0.054
19) Endosulfa...	8.741f	9.382	291914	98200	0.101	BelowCal #
20) Methoxychlor	8.537	9.555	90471	218339	0.060	0.147 #
21) Endrin Ke...	8.875f	9.776	406268	118.4E6	0.176	63.484 #
23) Hexachlor...	3.181	3.775	183.5E6	211.0E6	52.679	54.000
24) Hexachlor...	5.768	6.543	188.0E6	188.3E6	52.224	53.635
25) Oxychlordan	7.248	8.006	180.6E6	162.3E6	52.710	53.154
26) 2,4'-DDE	7.325	8.208	136.0E6	128.0E6	52.323	54.004
27) trans-Non...	7.505	8.280	199.5E6	181.3E6	52.831	53.407
28) 2,4'-DDD	7.697	8.581	121.4E6	110.3E6	53.675	52.880
29) 2,4'-DDT	7.880	8.806	130.0E6	124.0E6	54.907	56.731

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:05
 Operator : MJB
 Sample : 0G17041-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

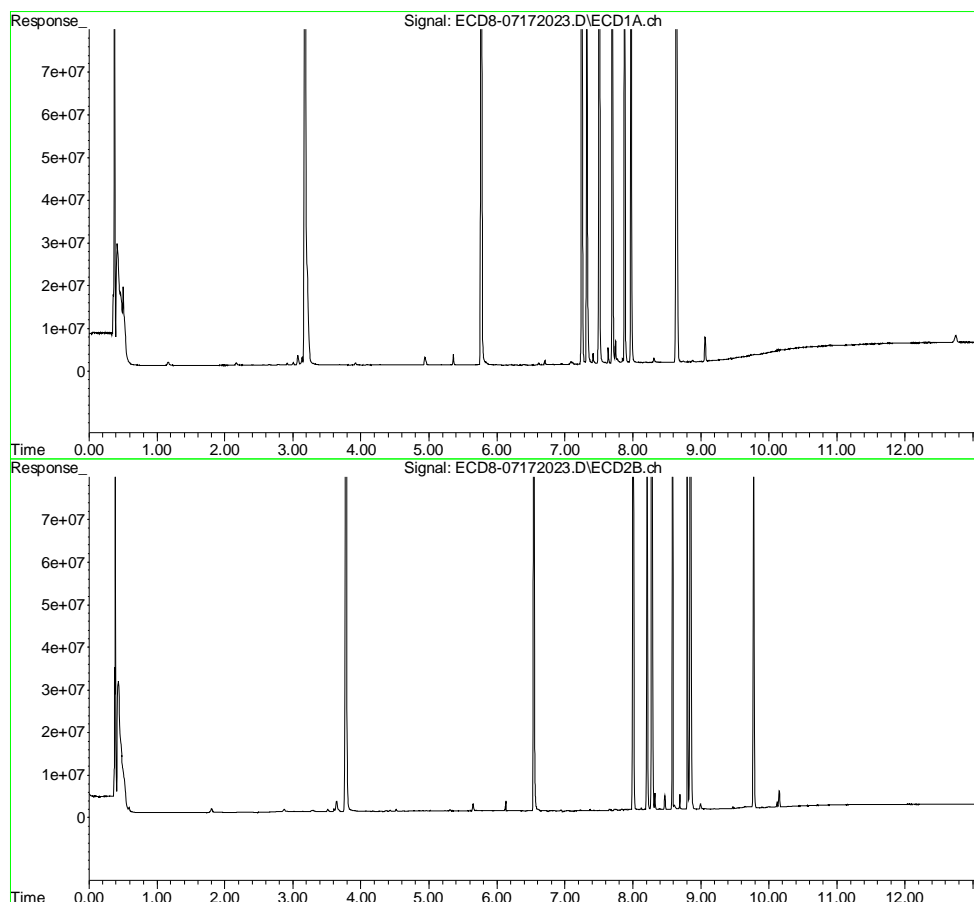
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.975	8.847	217.3E6	205.3E6	52.937	54.786
31)	Mirex	8.641	9.776	140.0E6	118.4E6	53.470	53.415
32)	Chlordane...	7.416	8.208	2649183	128.0E6	5.856	289.709 #
33)	Chlordane...	7.505	8.326	199.5E6	4070339	362.645	10.935 #
34)	Chlordane...	0.000	8.991	0	1296722	N.D.	2.375 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.505	8.581f	199.5E6	110.3E6	11599.123	3648.807 #
37)	Toxaphene...	7.770	8.916	1150644	202975	32.321	5.165 #
38)	Toxaphene...	8.127f	8.916	188669	202975	2.504	3.210 #
39)	Toxaphene...	8.306f	8.991	1111461	1296722	11.707	7.110 #
40)	Toxaphene...	8.554	9.194	54757	153128	0.980	2.697 #
41)	Toxaphene...	8.641	9.555	140.0E6	218339	1821.559	3.372 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 23:05
Operator : MJB
Sample : 0G17041-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:45:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:22
 Operator : MJB
 Sample : 0G17041-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.415f	6.052f	21503	54988	0.006	0.016 #
22) S DCBP (S)	9.600	10.651	237599	319092	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.927	0.000	289020	0	0.059	N.D. #
3) g-BHC	6.186f	7.003	904531	35303	0.204	0.008 #
4) b-BHC	6.289	7.070	56123	41073	0.028	0.022
5) Heptachlor	6.623	7.375	824211	804815	0.195	0.177
6) d-BHC	6.443	7.341	58179	205878	0.014	0.087 #
7) Aldrin	6.857	7.663	40353	290405	0.009	0.070 #
8) Heptachlo...	7.326	8.056f	252.6E6	700132	62.378	0.191 #
9) trans-Chl...	7.417	8.208	4406218	249.1E6	1.065	67.216 #
10) cis-Chlor...	7.505	8.325	356.0E6	7670165	86.801	2.162 #
11) Endosulfa...	7.595f	8.387	774690	607647	0.205	0.183
12) 4,4'-DDE	7.579	8.400f	606606	569991	0.148	0.185
13) Dieldrin	7.769	8.581	1959886	218.1E6	0.463	59.313 #
14) Endrin	7.975f	8.806	390.0E6	217.7E6	128.990	79.340 #
15) 4,4'-DDD	7.975f	8.847	390.0E6	388.4E6	116.774	113.790
16) Endosulfa...	8.126	8.993f	213612	1148013	0.066	0.391 #
17) 4,4'-DDT	8.194	9.070	260046	267893	0.084	0.088
18) Endrin Al...	8.405	9.195	320353	140183	0.097	0.049 #
19) Endosulfa...	8.742f	9.380	481486	89903	0.166	BelowCal #
20) Methoxychlor	8.543	9.522f	30020	300433	0.020	0.203 #
21) Endrin Ke...	8.882	9.776	567888	214.9E6	0.246	106.445 #
23) Hexachlor...	3.182	3.776	299.3E6	352.3E6	85.985	87.439
24) Hexachlor...	5.769	6.543	346.8E6	354.3E6	95.599	96.415
25) Oxychlordan	7.250	8.007	321.9E6	301.9E6	94.105	94.846
26) 2,4'-DDE	7.326	8.208	252.6E6	249.1E6	96.180	99.498
27) trans-Non...	7.505	8.281	356.0E6	346.6E6	94.250	97.326
28) 2,4'-DDD	7.698	8.581	218.7E6	218.1E6	96.172	98.997
29) 2,4'-DDT	7.880	8.806	224.7E6	217.7E6	93.737	94.967

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:22
 Operator : MJB
 Sample : 0G17041-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

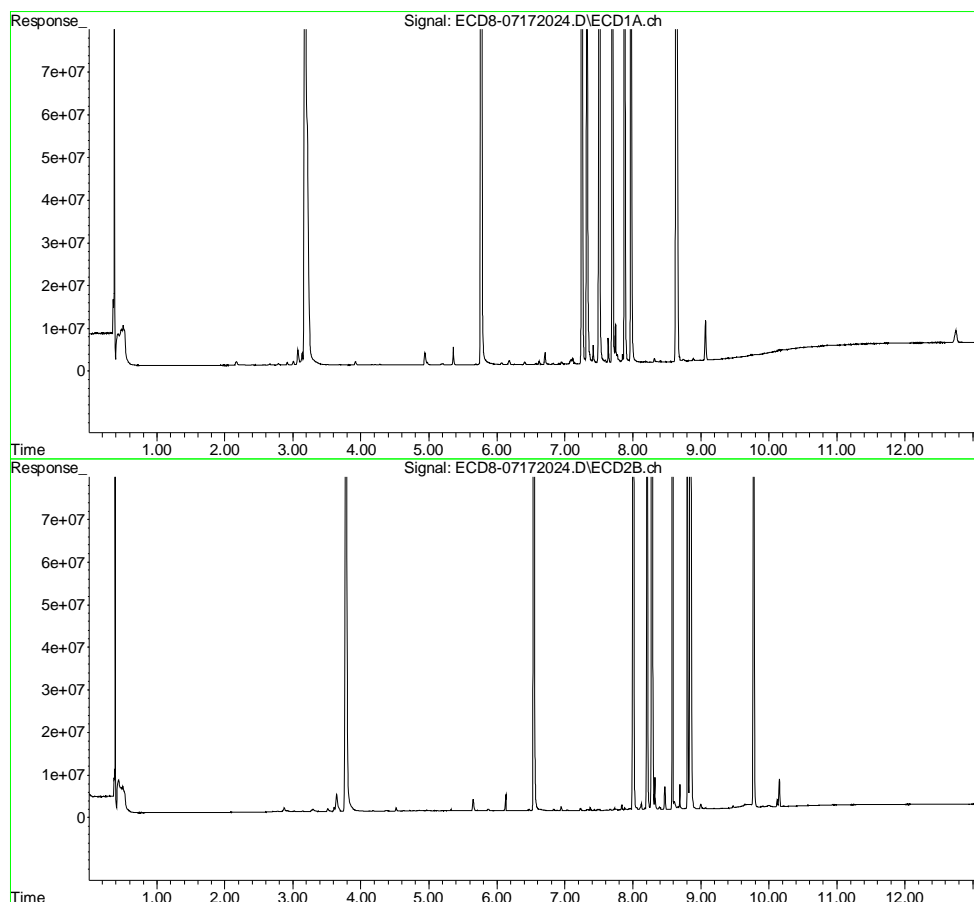
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.975	8.847	390.0E6	388.4E6	94.562	98.974
31)	Mirex	8.642	9.776	247.1E6	214.9E6	94.815	94.091
32)	Chlordane...	7.417	8.208	4406218	249.1E6	9.740	563.732 #
33)	Chlordane...	7.505	8.325	356.0E6	7670165	646.995	20.606 #
34)	Chlordane...	0.000	8.993	0	1148013	N.D.	0.971 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.505	8.540	356.0E6	26893	20693.995	0.889 #
37)	Toxaphene...	7.769	8.915	1959886	376219	57.254	9.574 #
38)	Toxaphene...	8.126f	8.915	213612	376219	2.835	5.949 #
39)	Toxaphene...	8.314	8.993	885790	1148013	8.319	5.476 #
40)	Toxaphene...	8.550	9.169	31988	55708	0.573	0.981 #
41)	Toxaphene...	8.642	9.522f	247.1E6	300433	3213.593	4.640 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 23:22
Operator : MJB
Sample : 0G17041-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:45:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:38
 Operator : MJB
 Sample : 0G17041-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.362f	6.066	8991382	79122	2.409	0.023 #
22) S DCBP (S)	9.590	10.628f	232676	336125	BelowCal	BelowCal
Target Compounds						
2) a-BHC	0.000	6.654f	0	394099	N.D.	0.130 #
3) g-BHC	6.184f	7.003	1498141	64975	0.339	0.016 #
4) b-BHC	6.298	7.071	105098	90607	0.053	0.048
5) Heptachlor	6.622	7.374	1585788	1462879	0.375	0.350
6) d-BHC	6.445	7.319	120206	228050	0.029	0.092 #
7) Aldrin	6.868	7.628	20689	61751	0.005	0.008 #
8) Heptachlo...	7.326	8.055f	544.0E6	1307093	134.341	0.357 #
9) trans-Chl...	7.416	8.208	8908332	553.7E6	2.153	149.435 #
10) cis-Chlor...	7.504	8.325	771.1E6	12872452	188.031	3.628 #
11) Endosulfa...	7.638f	8.388	16271988	951350	4.313	0.287 #
12) 4,4'-DDE	7.593	8.468f	1105884	13973937	0.271	4.062 #
13) Dieldrin	7.768	8.581	3771753	490.5E6	0.892	133.362 #
14) Endrin	7.975f	8.806	850.4E6	517.9E6	281.263	166.600 #
15) 4,4'-DDD	7.975f	8.847	850.4E6	856.7E6	254.627	218.282
16) Endosulfa...	8.126	8.993f	454243	1244954	0.140	0.424 #
17) 4,4'-DDT	8.195	9.070	593960	631223	0.192	0.230
18) Endrin Al...	8.405	9.195	384350	355156	0.117	0.125
19) Endosulfa...	8.742f	9.415f	1008202	272183	0.348	0.067 #
20) Methoxychlor	8.543	9.523f	23601	595253	0.016	0.401 #
21) Endrin Ke...	8.882	9.776	618452	503.9E6	0.268	210.573 #
23) Hexachlor...	3.180	3.775	737.3E6	929.9E6	211.571	207.495
24) Hexachlor...	5.769	6.543	751.7E6	818.7E6	202.746	200.398
25) Oxychlordan	7.250	8.007	695.4E6	712.2E6	203.746	202.022
26) 2,4'-DDE	7.326	8.208	544.0E6	553.7E6	201.651	197.959
27) trans-Non...	7.504	8.280	771.1E6	792.9E6	203.367	200.006
28) 2,4'-DDD	7.698	8.581	465.0E6	490.5E6	201.035	199.100
29) 2,4'-DDT	7.880	8.806	501.2E6	517.9E6	201.853	199.681

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:38
 Operator : MJB
 Sample : 0G17041-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:45:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

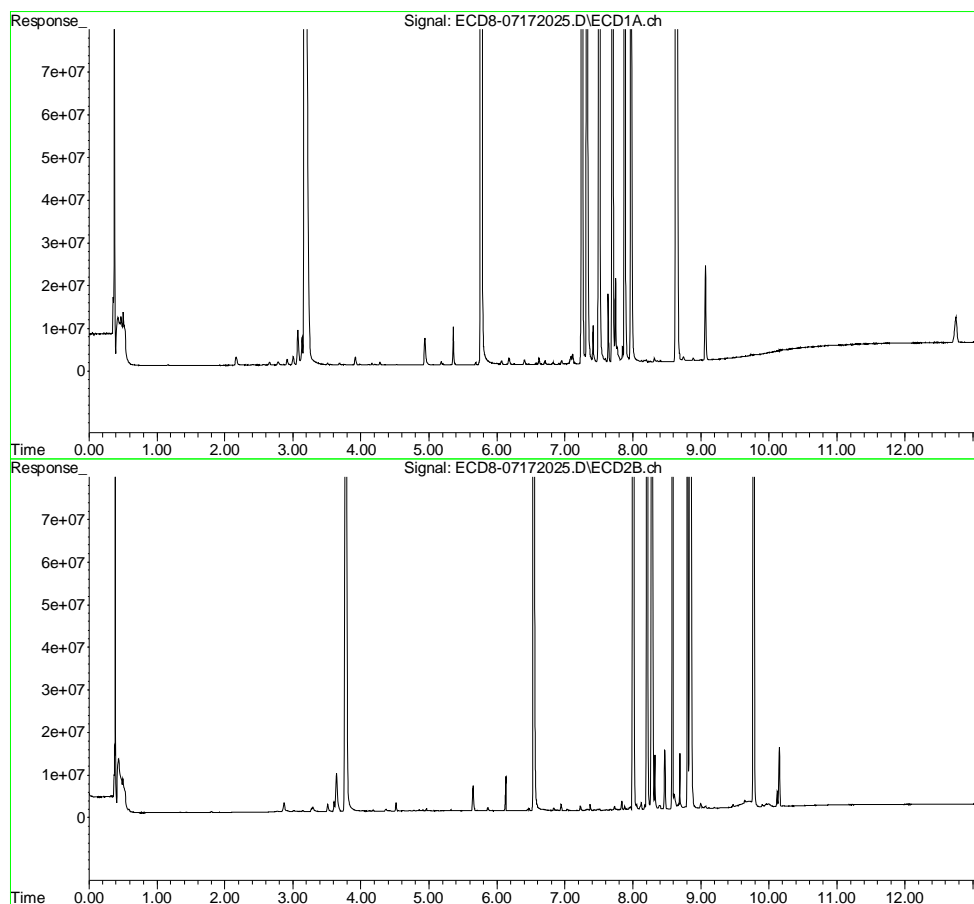
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.975	8.847	850.4E6	856.7E6	203.085	197.846	
31)	Mirex	8.641	9.776	522.6E6	503.9E6	202.359	203.357	✓
32)	Chlordane...	7.416	8.208	8908332	553.7E6	19.692	1253.284	#
33)	Chlordane...	7.504	8.325	771.1E6	12872452	1401.535	34.582	#
34)	Chlordane...	0.000	8.993	0	1244954	N.D.	1.886	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.504	8.581f	771.1E6	490.5E6	44827.820	16221.010	#
37)	Toxaphene...	7.768	8.914	3771753	707104	113.114	17.994	#
38)	Toxaphene...	8.126f	8.914f	454243	707104	6.029	11.182	#
39)	Toxaphene...	8.314	8.993	879916	1244954	8.231	6.541	
40)	Toxaphene...	8.570	9.195	20793	355156	0.372	6.255	#
41)	Toxaphene...	8.641	9.523f	522.6E6	595253	6797.867	9.193	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 23:38
Operator : MJB
Sample : 0G17041-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:45:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:28
 Operator : MJB
 Sample : 0G17041-CALJ
 Misc : A20G271, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:46:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.386	6.082	38919	20279	0.010	0.006 #
22) S DCBP (S)	9.590	10.654	267824	409559	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.938	6.683	43815	19483	0.009	0.045 #
3) g-BHC	6.240f	7.009	21404	44568	0.005	0.010 #
4) b-BHC	6.317f	7.037f	66198	6927	0.033	0.004 #
5) Heptachlor	6.623	7.373	2224926	2108384	0.526	0.519
6) d-BHC	6.464	7.311	98429	33773	0.024	0.041 #
7) Aldrin	6.864	7.673f	31229	370236	0.007	0.092 #
8) Heptachlo...	7.329	8.096	429283	136096	0.106	0.037 #
9) trans-Chl...	7.418	8.216	5115943	4529535	1.236	1.222
10) cis-Chlor...	7.511	8.323	6021217	4030003	1.468	1.136
11) Endosulfa...	7.630	8.379	147829	44088	0.039	0.013 #
12) 4,4'-DDE	7.570	8.420	179343	112471	0.044	0.051
13) Dieldrin	7.796	8.575	189142	324757	0.045	0.088 #
14) Endrin	7.976f	8.804	1026891	163162	0.340	0.033 #
15) 4,4'-DDD	7.976f	8.846	1026891	937218	0.307	0.335
16) Endosulfa...	8.111	8.959	94214	136257	0.029	0.046 #
17) 4,4'-DDT	8.196	9.073	73938	165497	0.024	0.049 #
18) Endrin Al...	8.400	9.191	110595	124870	0.034	0.044 #
19) Endosulfa...	8.700	9.381	102869	92550	0.036	BelowCal #
20) Methoxychlor	8.542	9.552	53762	116136	0.035	0.078 #
21) Endrin Ke...	8.880	9.784	387632	241569	0.168	0.039 #
23) Hexachlor...	0.000	3.797f	0	107825	N.D.	BelowCal
24) Hexachlor...	5.740f	6.541	225209	22242	BelowCal	BelowCal
25) Oxychlordan	7.244	8.020	32909	75522	104477.342	BelowCal #
26) 2,4'-DDE	7.329	8.216	429283	4529535	BelowCal	1.849
27) trans-Non...	7.511	8.279	6021217	3635498	1.371	0.892 #
28) 2,4'-DDD	7.685	8.575	203483	324757	BelowCal	BelowCal
29) 2,4'-DDT	7.906f	8.804	115098	163162	BelowCal	BelowCal

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:20 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:28
 Operator : MJB
 Sample : 0G17041-CALJ
 Misc : A20G271, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:46:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

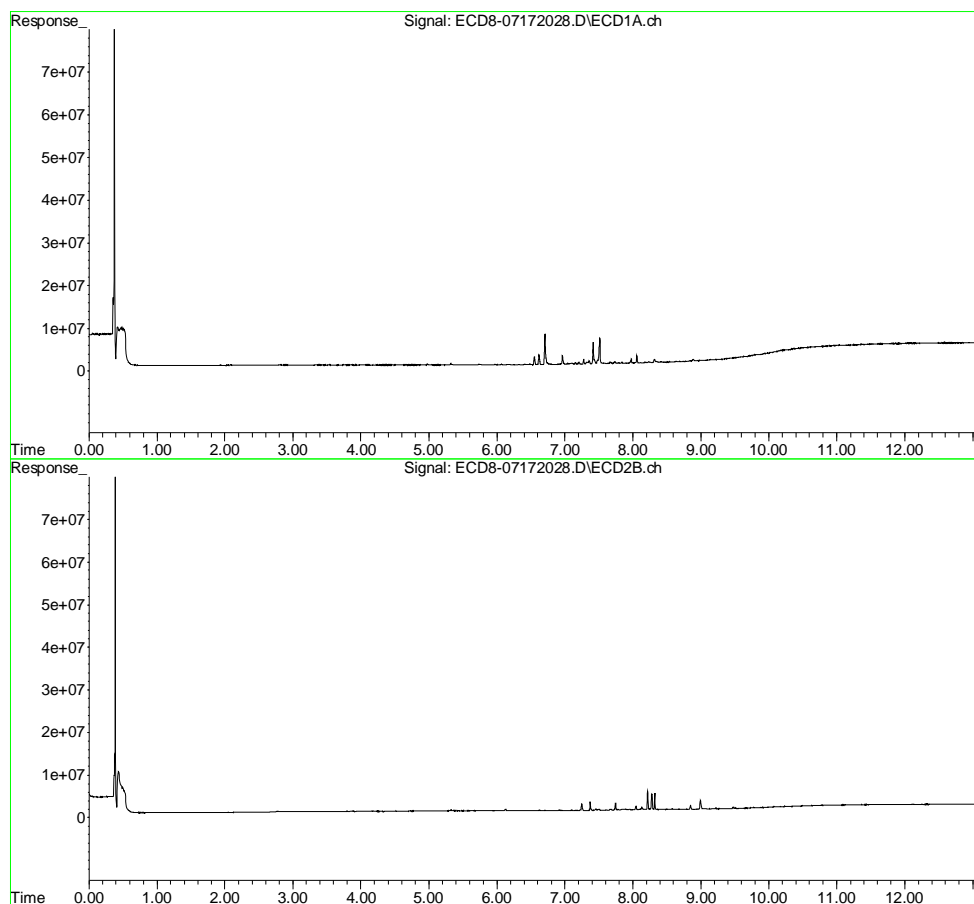
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.976	8.846	1026891	937218	0.069	0.087 #
31)	Mirex	8.638	9.784	147942	241569	14904.397	BelowCal #
32)	Chlordane...	7.418	8.216	5115943	4529535	11.309	10.252
33)	Chlordane...	7.511	8.323	6021217	4030003	10.944	10.827
34)	Chlordane...	8.058	8.990	1709262	2118453	11.785	10.126
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.511f	8.575f	6021217	324757	350.031	10.740 #
37)	Toxaphene...	7.796	8.901	189142	137687	2.710	3.504 #
38)	Toxaphene...	8.111	8.938	94214	142000	1.250	2.246 #
39)	Toxaphene...	8.314	8.990	801495	2118453	7.053	16.126 #
40)	Toxaphene...	8.542	9.167	53762	141484	0.963	2.492 #
41)	Toxaphene...	8.638	9.552	147942	116136	1.924	1.794
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 00:28
Operator : MJB
Sample : 0G17041-CALJ
Misc : A20G271, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:46:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:45
 Operator : MJB
 Sample : 0G17041-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:46:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.386	6.051f	28291	37039	0.008	0.011 #
22) S DCBP (S)	9.599	10.660	272888	343021	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.935	6.707f	43958	534476	0.009	0.162 #
3) g-BHC	6.224	7.007	38669	204194	0.009	0.052 #
4) b-BHC	6.285	7.101f	85727	716082	0.043	0.380 #
5) Heptachlor	6.621	7.373	9771285	8544206	2.308	2.203
6) d-BHC	6.432	7.321	263008	24639	0.064	0.039 #
7) Aldrin	6.863	7.642	119453	96493	0.027	0.017 #
8) Heptachlo...	7.328	8.096	1661705	537615	0.410	0.147 #
9) trans-Chl...	7.418	8.216	21933232	20236642	5.301	5.461
10) cis-Chlor...	7.510	8.323	27287272	16860637	6.654	4.752 #
11) Endosulfa...	7.630	8.398	559494	200309	0.148	0.060 #
12) 4,4'-DDE	7.568	8.418	630280	488453	0.154	0.161
13) Dieldrin	7.796	8.576	700195	1492147	0.166	0.406 #
14) Endrin	7.936	8.818	285403	168288	0.094	0.035 #
15) 4,4'-DDD	7.975f	8.846	3955071	3492797	1.184	1.227
16) Endosulfa...	8.109	8.962	400294	359368	0.124	0.122
17) 4,4'-DDT	8.180	9.083	82590	120640	0.027	0.031
18) Endrin Al...	8.416	9.220f	148869	1101101	0.045	0.387 #
19) Endosulfa...	8.699	9.380	317847	14483	0.110	BelowCal #
20) Methoxychlor	8.542	9.554	109285	57451	0.072	0.039 #
21) Endrin Ke...	8.880	9.780	343592	232044	0.149	0.033 #
23) Hexachlor...	3.185	3.771	15035	11858	BelowCal	BelowCal
24) Hexachlor...	5.757	6.536	123953	30190	BelowCal	BelowCal
25) Oxychlordan	7.244	8.018	152467	302939	104477.307	BelowCal #
26) 2,4'-DDE	7.328	8.216	1661705	20236642	0.470	8.888 #
27) trans-Non...	7.510	8.279	27287272	15380962	7.039	4.575 #
28) 2,4'-DDD	7.664f	8.576	1744897	1492147	0.586	0.556
29) 2,4'-DDT	7.905f	8.800	484720	446503	0.026	0.022

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:45
 Operator : MJB
 Sample : 0G17041-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:46:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

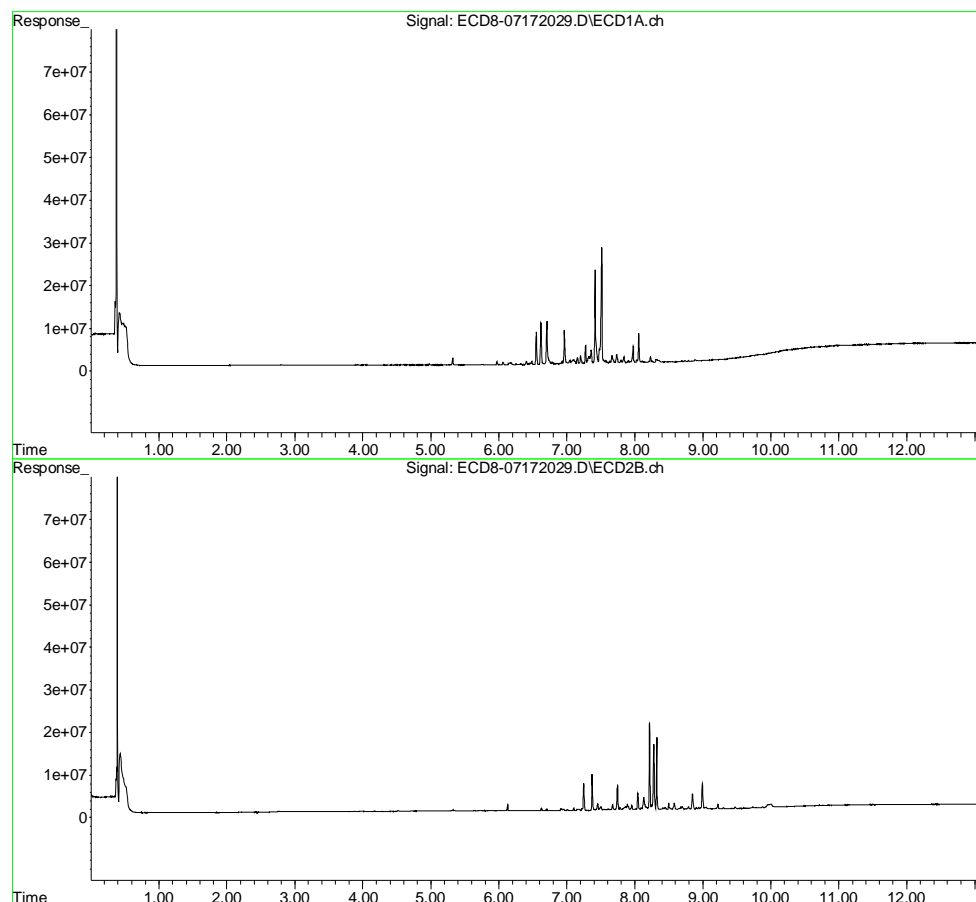
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.975	8.846	3955071	3492797	0.791	0.814	
31)	Mirex	8.633	9.780	39859	232044	14904.438	BelowCal	#
32)	Chlordane...	7.418	8.216	21933232	20236642	48.483	45.804] ✓
33)	Chlordane...	7.510	8.323	27287272	16860637	49.595	45.296	
34)	Chlordane...	8.057	8.988	6922066	5973393	47.726	46.305	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.510f	8.576f	27287272	1492147	1586.289	49.348	#
37)	Toxaphene...	7.796	8.903	700195	532842	18.447	13.559	#
38)	Toxaphene...	8.109	8.939	400294	441729	5.313	6.985	#
39)	Toxaphene...	8.314	8.988	778462	5973393	6.707	58.177	#
40)	Toxaphene...	8.542	9.164	109285	99064	1.957	1.745	
41)	Toxaphene...	8.633	9.554	39859	57451	0.518	0.887	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 00:45
Operator : MJB
Sample : 0G17041-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:46:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:01
 Operator : MJB
 Sample : 0G17041-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:47:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.385	6.044f	34160	41278	0.009	0.012 #
22) S DCBP (S)	9.598	10.671	306594	328479	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.917	6.707f	30552	949188	0.006	0.255 #
3) g-BHC	6.230	7.008	49689	408349	0.011	0.105 #
4) b-BHC	6.286	7.101f	132581	1379359	0.067	0.732 #
5) Heptachlor	6.622	7.373	19740022	17790665	4.662	4.607
6) d-BHC	6.433	7.323	464144	37080	0.113	0.042 #
7) Aldrin	6.865	7.641	263371	183994	0.060	0.041 #
8) Heptachlo...	7.328	8.095	3245842	1066073	0.802	0.291 #
9) trans-Chl...	7.417	8.216	45334776	41073469	10.957	11.085
10) cis-Chlor...	7.510	8.323	54515398	34505201	13.293	9.725 #
11) Endosulfa...	7.629	8.397	1124649	514501	0.298	0.155 #
12) 4,4'-DDE	7.568	8.418	1271865	945916	0.311	0.294
13) Dieldrin	7.796	8.576	1434151	3205363	0.339	0.872 #
14) Endrin	7.935	8.817	652918	409141	0.216	0.135 #
15) 4,4'-DDD	7.975f	8.845	7437660	6615971	2.227	2.314
16) Endosulfa...	8.108	8.961	791968	741755	0.245	0.253
17) 4,4'-DDT	8.180	9.081	229881	238115	0.074	0.077
18) Endrin Al...	8.417	9.219f	242183	2108225	0.074	0.741 #
19) Endosulfa...	8.699	9.362f	590491	20346	0.204	BelowCal #
20) Methoxychlor	8.542	9.555	236180	65334	0.156	0.044 #
21) Endrin Ke...	8.881	9.781	368374	337193	0.159	0.097 #
23) Hexachlor...	0.000	3.795f	0	34252	N.D.	BelowCal
24) Hexachlor...	5.746f	6.534	122045	33930	BelowCal	BelowCal
25) Oxychlordan	7.243	8.018	380789	541966	104477.240	BelowCal #
26) 2,4'-DDE	7.328	8.216	3245842	41073469	1.090	18.025 #
27) trans-Non...	7.510	8.278	54515398	30874173	14.292	9.382 #
28) 2,4'-DDD	7.665f	8.576	3407398	3205363	1.331	1.437
29) 2,4'-DDT	7.904f	8.798	1010887	851394	0.253	0.223

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:28 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:01
 Operator : MJB
 Sample : 0G17041-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:47:14 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

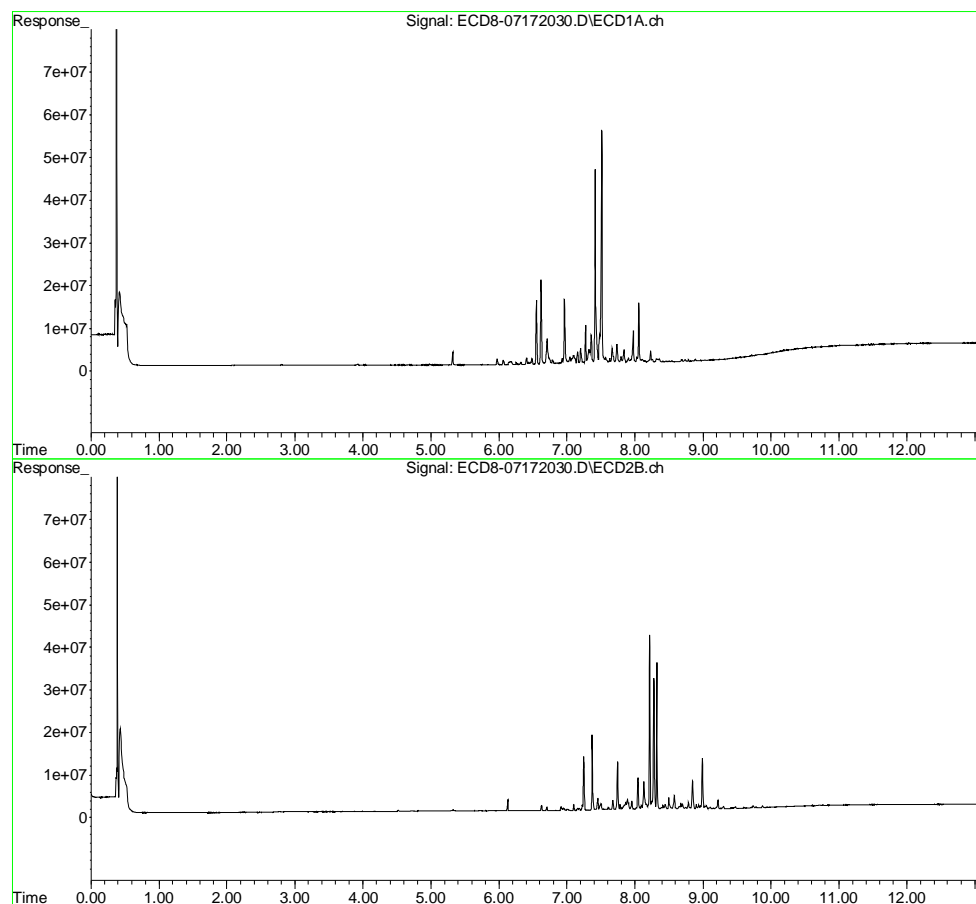
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.975	8.845	7437660	6615971	1.648	1.702	
31)	Mirex	8.633	9.781	60774	337193	14904.430	BelowCal	#
32)	Chlordane...	7.417	8.216	45334776	41073469	100.211	92.967] ✓
33)	Chlordane...	7.510	8.323	54515398	34505201	99.083	92.699	
34)	Chlordane...	8.057	8.987	13977696	11775011	96.373	100.205	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.510f	8.576f	54515398	3205363	3169.139	106.008	#
37)	Toxaphene...	7.796	8.902	1434151	1058829	41.055	26.944	#
38)	Toxaphene...	8.086	8.938	558278	908442	7.409	14.366	#
39)	Toxaphene...	8.334	8.987	770762	11775011	6.591	120.719	#
40)	Toxaphene...	8.542	9.159	236180	185178	4.229	3.262	
41)	Toxaphene...	8.633	9.555	60774	65334	0.791	1.009	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:01
Operator : MJB
Sample : 0G17041-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:47:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:18
 Operator : MJB
 Sample : 0G17041-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:47:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.386	6.044f	50040	48222	0.013	0.014
22) S DCBP (S)	9.597	10.667	345231	307261	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.916	6.707f	45621	1735202	0.009	0.433 #
3) g-BHC	6.228	7.008	83016	766017	0.019	0.197 #
4) b-BHC	6.284	7.101f	252765	2625222	0.127	1.393 #
5) Heptachlor	6.621	7.373	40659498	35738857	9.604	9.223 #
6) d-BHC	6.431	7.325	840289	103719	0.204	0.060 #
7) Aldrin	6.862	7.643	587853	403536	0.135	0.101 #
8) Heptachlo...	7.328	8.095	6419523	2064410	1.585	0.564 #
9) trans-Chl...	7.417	8.215	88984346	84764039	21.506	22.876 #
10) cis-Chlor...	7.510	8.323	107.2E6	70570514	26.131	19.890 #
11) Endosulfa...	7.629	8.396	2250378	1120904	0.596	0.338 #
12) 4,4'-DDE	7.568	8.419	2573569	1933064	0.630	0.581 #
13) Dieldrin	7.796	8.575	2811580	6912967	0.665	1.880 #
14) Endrin	7.935	8.818	1407463	882576	0.465	0.331 #
15) 4,4'-DDD	7.974f	8.845	15344657	13184820	4.594	4.586 #
16) Endosulfa...	8.108	8.961	1717549	1475788	0.531	0.503 #
17) 4,4'-DDT	8.230f	9.082	5357706	479628	1.734	0.171 #
18) Endrin Al...	8.416	9.219f	466251	4006311	0.142	1.407 #
19) Endosulfa...	8.699	9.362f	1160893	44110	0.401	BelowCal #
20) Methoxychlor	8.542	9.554	465341	84378	0.307	0.057 #
21) Endrin Ke...	8.881	9.780	404974	565530	0.175	0.237 #
23) Hexachlor...	3.178	3.773	35956	36346	BelowCal	BelowCal
24) Hexachlor...	5.786	6.562	42361	74737	BelowCal	BelowCal
25) Oxychlordan	7.242	8.018	802591	1112108	0.050	0.150 #
26) 2,4'-DDE	7.328	8.215	6419523	84764039	2.332	36.512 #
27) trans-Non...	7.510	8.279	107.2E6	64556468	28.301	19.643 #
28) 2,4'-DDD	7.664f	8.575	6681702	6912967	2.797	3.335 #
29) 2,4'-DDT	7.904f	8.818	2143463	882576	0.742	0.238 #

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:32 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:18
 Operator : MJB
 Sample : 0G17041-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:47:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

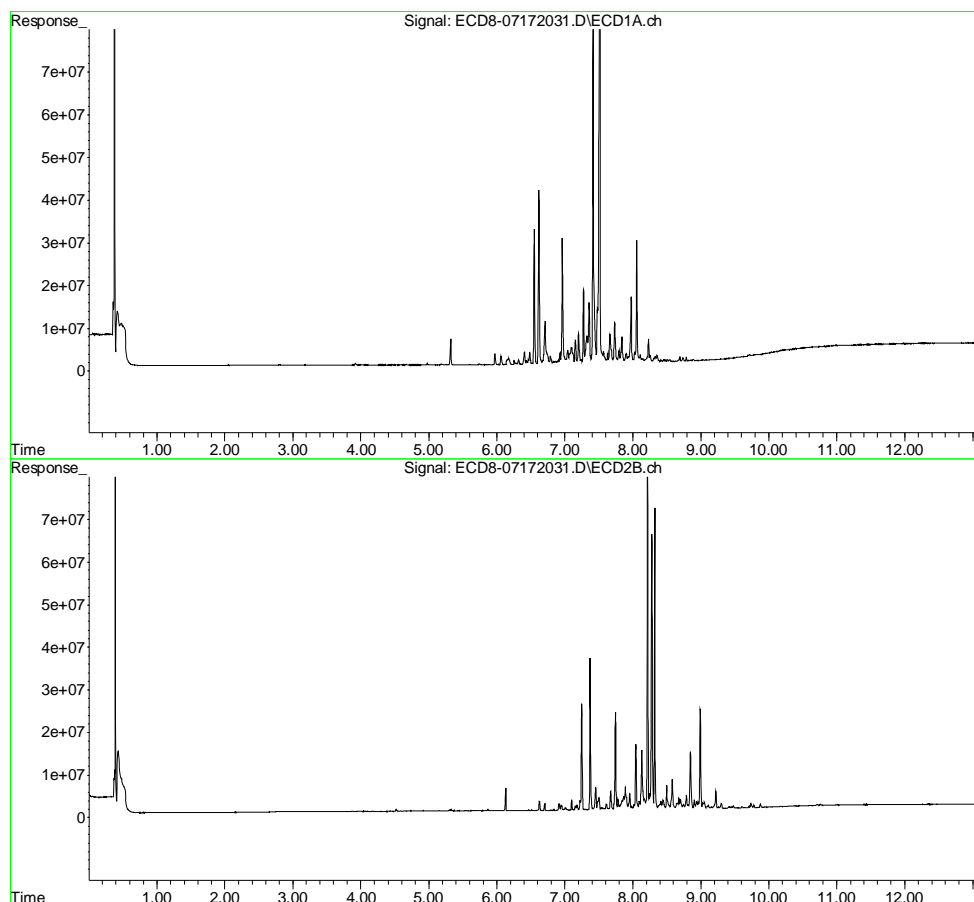
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.974	8.845	15344657	13184820	3.595	3.562	
31)	Mirex	8.634	9.780	115794	565530	14904.409	BelowCal	#
32)	Chlordane...	7.417	8.215	88984346	84764039	196.698	191.857] ✓
33)	Chlordane...	7.510	8.323	107.2E6	70570514	194.773	189.589	
34)	Chlordane...	8.057	8.987	28546944	23414602	196.825	206.442	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.510f	8.575f	107.2E6	6912967	6229.765	228.625	#
37)	Toxaphene...	7.796	8.901	2811580	2125158	83.505	54.080	#
38)	Toxaphene...	8.108	8.938	1717549	1857543	22.795	29.374	#
39)	Toxaphene...	8.335	8.987	1276909	23414602	14.190	243.635	#
40)	Toxaphene...	8.542	9.159	465341	384538	8.332	6.773	
41)	Toxaphene...	8.634	9.554	115794	84378	1.506	1.303	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:18
Operator : MJB
Sample : 0G17041-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:47:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:34
 Operator : MJB
 Sample : 0G17041-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:47:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.387	6.050f	132728	132981	0.036	0.038
22) S DCBP (S)	9.597	10.665	535124	337953	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.936	6.707f	35951	3799030	0.007	0.900 #
3) g-BHC	6.227	7.008	207975	1722565	0.047	0.444 #
4) b-BHC	6.283	7.101f	591144	6163979	0.298	3.270 #
5) Heptachlor	6.621	7.372	97195648	93327769	22.957	23.624 #
6) d-BHC	6.432	7.304	1970953	546758	0.478	0.176 #
7) Aldrin	6.857	7.642	1663969	978760	0.381	0.259 #
8) Heptachlo...	7.327	8.094	15355864	4737928	3.792	1.294 #
9) trans-Chl...	7.416	8.215	216.7E6	217.9E6	52.368	58.813 #
10) cis-Chlor...	7.509	8.322	262.6E6	181.6E6	64.027	51.170 #
11) Endosulfa...	7.628	8.397	5586709	2994466	1.481	0.904 #
12) 4,4'-DDE	7.567	8.418	6062872	4621229	1.483	1.362 #
13) Dieldrin	7.795	8.575	6856001	18367871	1.621	4.994 #
14) Endrin	7.934	8.818	3525696	2305026	1.166	0.920 #
15) 4,4'-DDD	8.028f	8.845	5936627	33312666	1.777	11.443 #
16) Endosulfa...	8.107	8.961	4212436	3652100	1.303	1.245 #
17) 4,4'-DDT	8.178f	9.082	1347635	1303719	0.436	0.491 #
18) Endrin Al...	8.416	9.219f	1181580	9541992	0.359	3.352 #
19) Endosulfa...	8.698	9.361f	2592003	294398	0.895	0.076 #
20) Methoxychlor	8.541	9.554	1181480	277785	0.780	0.187 #
21) Endrin Ke...	8.905	9.780	179591	1430264	0.078	0.765 #
23) Hexachlor...	0.000	3.795f	0	34621	N.D.	BelowCal
24) Hexachlor...	5.745f	6.563f	524646	85273	BelowCal	BelowCal
25) Oxychlordan	7.242	8.018	2056845	2695431	0.418	0.701 #
26) 2,4'-DDE	7.327	8.215	15355864	217.9E6	5.823	88.234 #
27) trans-Non...	7.509	8.278	262.6E6	166.0E6	69.543	49.125 #
28) 2,4'-DDD	7.663f	8.575	16536261	18367871	7.204	9.142 #
29) 2,4'-DDT	7.903f	8.818	5201538	2305026	2.061	0.943 #

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:36 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:34
 Operator : MJB
 Sample : 0G17041-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:47:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

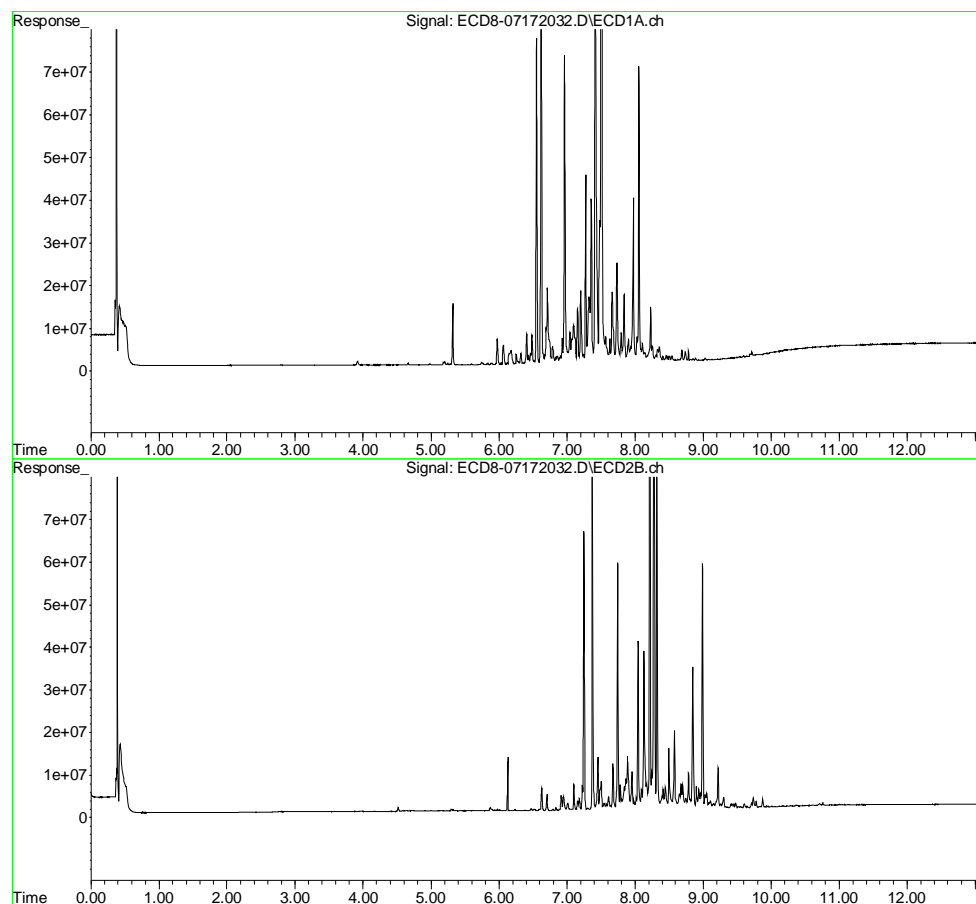
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.974	8.845	38297273	33312666	9.241	9.213
31)	Mirex	8.634	9.780	326436	1430264	14904.329	0.266 #
32)	Chlordane...	7.416	8.215	216.7E6	217.9E6	478.959	493.256 #
33)	Chlordane...	7.509	8.322	262.6E6	181.6E6	477.238	487.744 #
34)	Chlordane...	8.056	8.987	69089699	57328312	476.358	502.872 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.482	8.575f	33309114	18367871	1936.356	607.462 #
37)	Toxaphene...	7.795	8.902	6856001	5250878	208.316	133.621 #
38)	Toxaphene...	8.084	8.939	2924201	4554870	38.809	72.029 #
39)	Toxaphene...	8.335	8.987	2775790	57328312	36.665	584.389 #
40)	Toxaphene...	8.541	9.158	1181480	1074826	21.154	18.931
41)	Toxaphene...	8.634	9.554	326436	277785	4.246	4.290
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:34
Operator : MJB
Sample : 0G17041-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:47:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:51
 Operator : MJB
 Sample : 0G17041-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:48:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.386	6.050f	219723	169829	0.059	0.048
22) S DCBP (S)	9.597	10.667	817017	409781	0.045	BelowCal #
Target Compounds						
2) a-BHC	5.914	6.707f	209729	7056176	0.043	1.634 #
3) g-BHC	6.227	7.007	405259	3353936	0.092	0.865 #
4) b-BHC	6.283	7.101f	1031573	12273558	0.520	6.510 #
5) Heptachlor	6.620	7.372	200.8E6	200.3E6	47.437	48.911
6) d-BHC	6.431	7.324	3275110	628117	0.794	0.198 #
7) Aldrin	6.861	7.641	2776033	1875626	0.636	0.504
8) Heptachlo...	7.327	8.094	33041222	9941243	8.159	2.716 #
9) trans-Chl...	7.415	8.215	438.8E6	469.3E6	106.049	126.665
10) cis-Chlor...	7.508	8.322	549.2E6	393.9E6	133.920	111.023
11) Endosulfa...	7.627	8.397	11039506	6636273	2.926	2.003 #
12) 4,4'-DDE	7.566	8.417	12383144	9231067	3.029	2.696
13) Dieldrin	7.794	8.574	13928672	41346790	3.294	11.242 #
14) Endrin	7.934	8.818	7413266	4776837	2.452	1.939
15) 4,4'-DDD	8.028f	8.845	12674539	69823790	3.795	23.500 #
16) Endosulfa...	8.107	8.960	8733928	7691652	2.701	2.622
17) 4,4'-DDT	8.230f	9.082	26396449	2727198	8.543	1.044 #
18) Endrin Al...	8.416	9.218f	2495098	19950257	0.758	7.008 #
19) Endosulfa...	8.698	9.382	5402945	509241	1.865	0.166 #
20) Methoxychlor	8.541	9.554	2697097	694110	1.780	0.468 #
21) Endrin Ke...	8.905	9.780	330216	3110435	0.143	1.788 #
23) Hexachlor...	0.000	3.795f	0	31858	N.D.	BelowCal
24) Hexachlor...	5.744f	6.562f	777305	104331	BelowCal	BelowCal
25) Oxychlordan	7.241	8.017	4174923	5233363	1.037	1.583 #
26) 2,4'-DDE	7.327	8.215	33041222	469.3E6	12.712	172.497 #
27) trans-Non...	7.508	8.278	549.2E6	347.0E6	145.183	97.411 #
28) 2,4'-DDD	7.663f	8.574	35586144	41346790	15.706	20.530 #
29) 2,4'-DDT	7.902f	8.818	10689919	4776837	4.426	2.165 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:51
 Operator : MJB
 Sample : 0G17041-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:48:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

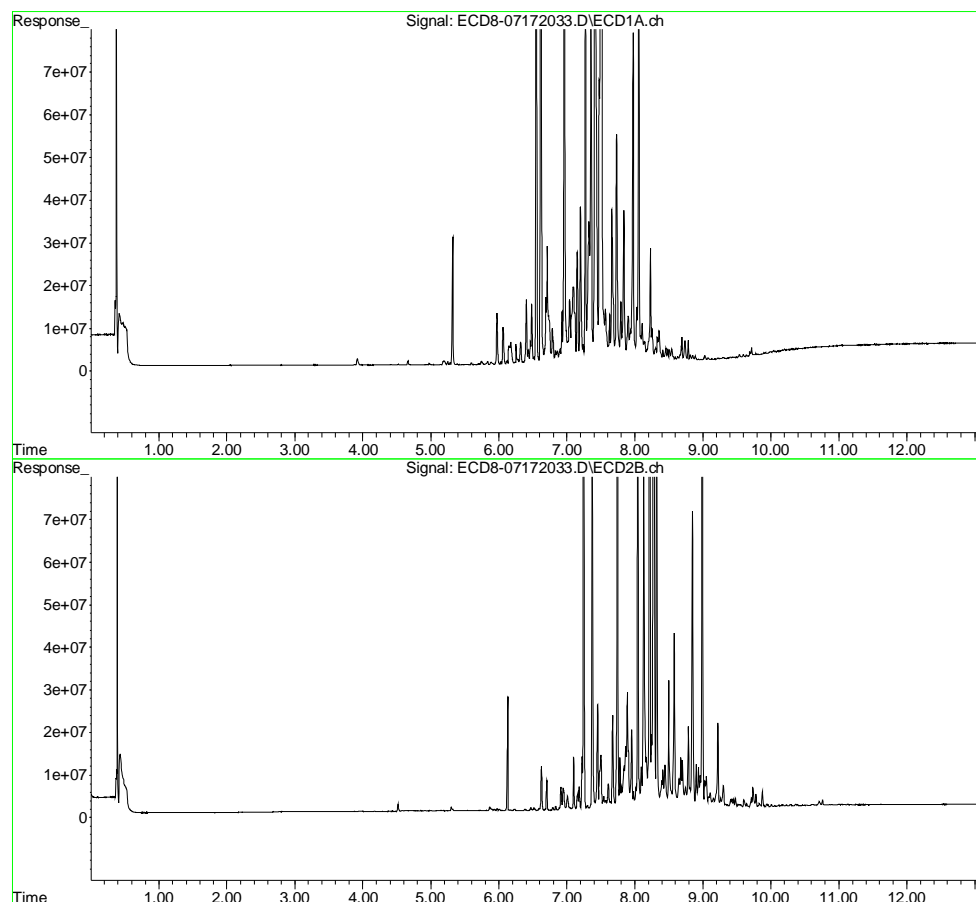
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.973	8.845	76877505	69823790	18.707	19.280
31)	Mirex	8.633	9.780	860063	3110435	0.042	1.064 #
32)	Chlordane...	7.415	8.215	438.8E6	469.3E6	969.927	1062.313
33)	Chlordane...	7.508	8.322	549.2E6	393.9E6	998.211	1058.249
34)	Chlordane...	8.056	8.987	145.4E6	123.9E6	1002.672	1037.685
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.481	8.574f	65943786	41346790	3833.505	1367.419 #
37)	Toxaphene...	7.794	8.901	13928672	10364078	427.181	263.738 #
38)	Toxaphene...	8.084	8.937	5997815	9687257	79.601	153.191 #
39)	Toxaphene...	8.335	8.987	5516399	123.9E6	77.649	1192.519 #
40)	Toxaphene...	8.541	9.158	2697097	2369411	48.291	41.733
41)	Toxaphene...	8.633	9.554	860063	694110	11.188	10.720
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:51
Operator : MJB
Sample : 0G17041-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:48:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:07
 Operator : MJB
 Sample : 0G17041-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:48:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.385	6.049f	433447	302490	0.116	0.086 #
22) S DCBP (S)	9.596	10.665	1336901	594464	0.217	0.041 #
Target Compounds						
2) a-BHC	5.914	6.706f	388730	13410516	0.079	3.063 #
3) g-BHC	6.227	7.007	747090	6498271	0.169	1.676 #
4) b-BHC	6.312	7.100f	9982408	26232989	5.028	13.915 #
5) Heptachlor	6.619	7.372	397.7E6	415.1E6	93.936	95.114
6) d-BHC	6.429	7.320	5592141	1248636	1.356	0.361 #
7) Aldrin	6.853	7.641	6016885	3494311	1.379	0.946 #
8) Heptachlo...	7.325	8.093	64266164	19808655	15.870	5.411 #
9) trans-Chl...	7.414	8.214	892.1E6	990.5E6	215.621	267.304
10) cis-Chlor...	7.507	8.322	1096.4E6	820.9E6	267.343	231.378
11) Endosulfa...	7.626	8.395	22079118	13798273	5.852	4.166 #
12) 4,4'-DDE	7.565	8.443	23740044	20364306	5.807	5.891
13) Dieldrin	7.793	8.574	26979896	89629159	6.380	24.371 #
14) Endrin	7.932	8.818	15182065	9936655	5.021	4.056
15) 4,4'-DDD	8.027f	8.845	24969409	142.3E6	7.476	46.154 #
16) Endosulfa...	8.106	8.960	17618478	15189458	5.448	5.177
17) 4,4'-DDT	8.229f	9.082	51507751	5425735	16.670	2.087 #
18) Endrin Al...	8.415	9.218f	5138870	42128758	1.561	14.799 #
19) Endosulfa...	8.697	9.361f	10359739	1857281	3.577	0.732 #
20) Methoxychlor	8.540	9.554	5627271	1494313	3.713	1.008 #
21) Endrin Ke...	8.905	9.780	725438	6307279	0.314	3.721 #
23) Hexachlor...	0.000	3.794f	0	38147	N.D.	BelowCal
24) Hexachlor...	5.744f	6.516f	2424267	1386820	0.454	0.192 #
25) Oxychlordan	7.240	8.017	8018243	10465044	2.162	3.396 #
26) 2,4'-DDE	7.325	8.214	64266164	990.5E6	24.814	314.690 #
27) trans-Non...	7.507	8.278	1096.4E6	748.3E6	288.073	190.558 #
28) 2,4'-DDD	7.731f	8.574	109.2E6	89629159	48.331	43.438
29) 2,4'-DDT	7.901f	8.818	22358514	9936655	9.441	4.702 #

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:44 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:07
 Operator : MJB
 Sample : 0G17041-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:48:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

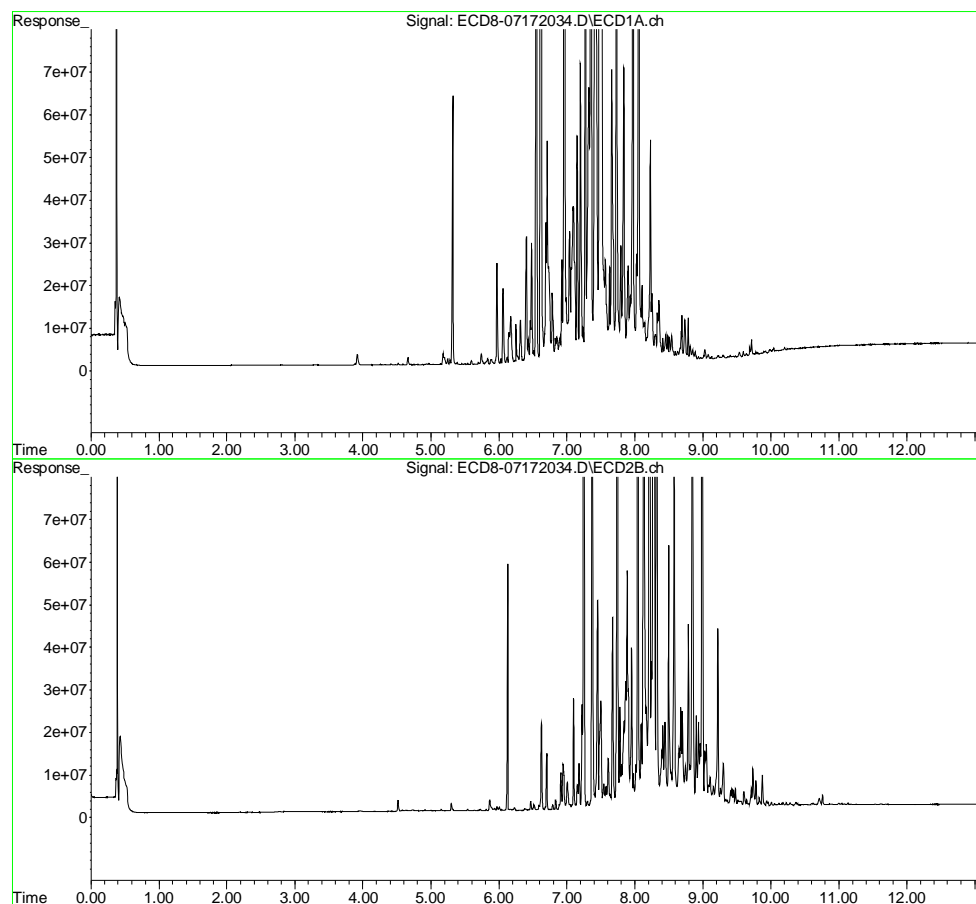
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.973	8.845	149.1E6	142.3E6	36.353	38.607
31)	Mirex	8.631	9.780	1964593	6307279	0.465	2.579 #
32)	Chlordane...	7.414	8.214	892.1E6	990.5E6	1972.062	2241.829
33)	Chlordane...	7.507	8.322	1096.4E6	820.9E6	1992.710	2205.456
34)	Chlordane...	8.055	8.987	279.6E6	255.3E6	1927.478	1963.493
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.479	8.574f	125.7E6	89629159	7305.988	2964.212 #
37)	Toxaphene...	7.793	8.901	26979896	21791229	833.088	554.528 #
38)	Toxaphene...	8.106	8.938	17618478	20354481	233.826	321.878 #
39)	Toxaphene...	8.334	8.987	11070620	255.3E6	160.278	2231.113 #
40)	Toxaphene...	8.540f	9.158	5627271	4881335	100.755	85.976
41)	Toxaphene...	8.631	9.554	1964593	1494313	25.555	23.079
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:07
Operator : MJB
Sample : 0G17041-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:48:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:57
 Operator : MJB
 Sample : 0G17041-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:48:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.386	6.074	33892	44728	0.009	0.013 #
22) S DCBP (S)	9.589	10.650	253126	336792	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.939	6.683	37836	20178	0.008	0.045 #
3) g-BHC	6.216	6.997	16126	19817	0.004	0.004
4) b-BHC	6.295	7.059	21179	13962	0.011	0.007 #
5) Heptachlor	6.622	7.374	34988	26730	0.008	BelowCal #
6) d-BHC	6.459	7.314	34763	38460	0.008	0.042 #
7) Aldrin	6.863	7.667f	28402	93477	0.007	0.016 #
8) Heptachlo...	7.325	8.067	39368	117183	0.010	0.032 #
9) trans-Chl...	7.427	8.215	154957	94428	0.037	0.025 #
10) cis-Chlor...	7.512	8.318	133170	68123	0.032	0.019 #
11) Endosulfa...	7.613	8.378	236196	122225	0.063	0.037 #
12) 4,4'-DDE	7.586	8.444	81920	160454	0.020	0.065 #
13) Dieldrin	7.783	8.591	425175	168657	0.101	0.046 #
14) Endrin	7.974f	8.798	534473	387131	0.177	0.126 #
15) 4,4'-DDD	8.011	8.845	281246	227641	0.084	0.087
16) Endosulfa...	8.094	8.956	808329	172482	0.250	0.059 #
17) 4,4'-DDT	8.177f	9.067	692350	322839	0.224	0.110 #
18) Endrin Al...	8.381	9.178	541662	645897	0.165	0.227 #
19) Endosulfa...	8.698	9.380	278934	293194	0.096	0.075
20) Methoxychlor	8.533	9.561	181867	734974	0.120	0.496 #
21) Endrin Ke...	8.880	9.784	523155	195376	0.226	0.010 #
23) Hexachlor...	0.000	3.793	0	89058	N.D.	BelowCal
24) Hexachlor...	5.743f	6.562	232205	78728	BelowCal	BelowCal
25) Oxychlordan	7.251	8.018	154982	101506	104477.306	BelowCal #
26) 2,4'-DDE	7.325	8.215	39368	94428	BelowCal	BelowCal
27) trans-Non...	7.512	8.289	133170	101407	BelowCal	BelowCal
28) 2,4'-DDD	7.701	8.591	221239	168657	BelowCal	BelowCal
29) 2,4'-DDT	7.883	8.798	388311	387131	BelowCal	BelowCal

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:48 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:57
 Operator : MJB
 Sample : 0G17041-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:48:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.974	8.845	534473	227641	BelowCal	BelowCal
31)	Mirex	8.631	9.784	869784	195376	0.046	BelowCal #
32)	Chlordane...	7.427	8.215	154957	94428	0.343	0.214 #
33)	Chlordane...	7.512	8.318	133170	68123	0.242	0.183
34)	Chlordane...	8.035f	8.999	259739	1563268	1.791	4.891 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.490	8.552	168184	335512	9.777	11.096
37)	Toxaphene...	7.783	8.899	425175	413915	9.978	10.533
38)	Toxaphene...	8.094	8.935	808329	723456	10.728	11.440
39)	Toxaphene...	8.333	8.999	997698	1563268	9.999	10.037
40)	Toxaphene...	8.562	9.178	570568	645897	10.216	11.376
41)	Toxaphene...	8.631	9.561	869784	734974	11.314	11.351
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

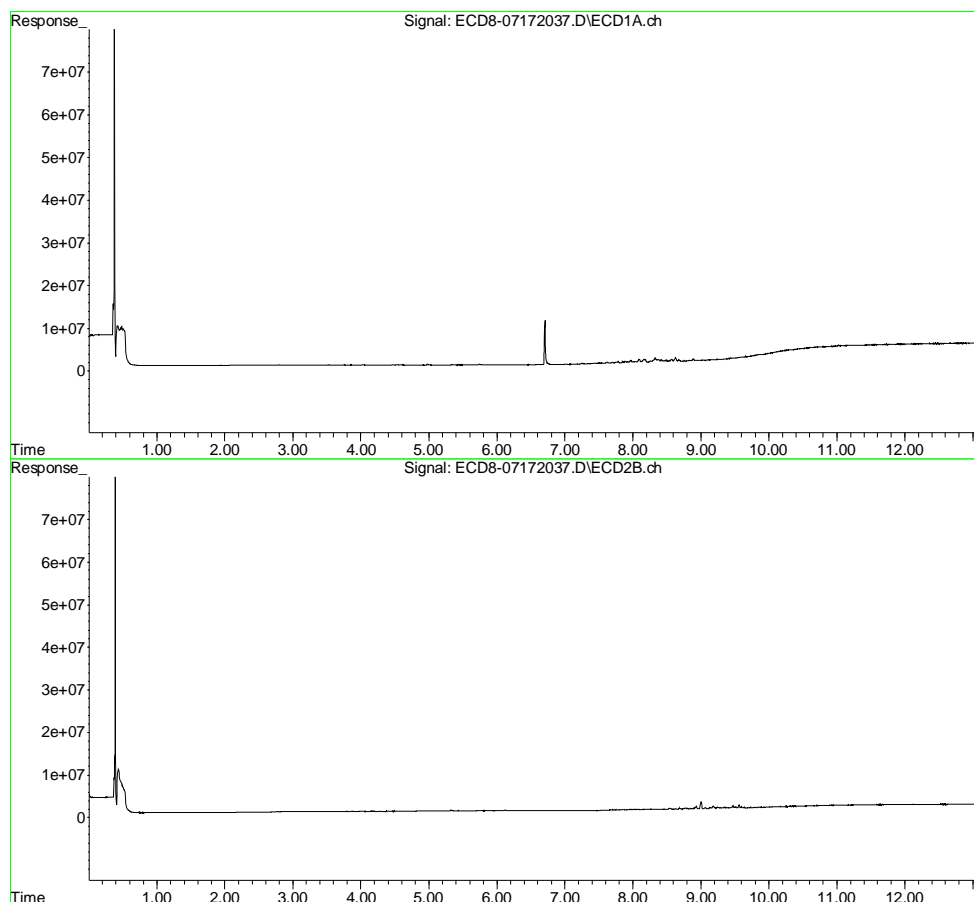
✓

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:57
Operator : MJB
Sample : 0G17041-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:48:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:13
 Operator : MJB
 Sample : 0G17041-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:01 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	6.057f	0	18941	N.D.	0.005 #
22) S DCBP (S)	9.595	10.665	169317	309296	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.937	6.681	46287	25020	0.009	0.046 #
3) g-BHC	6.214	6.996	24906	24900	0.006	0.005 #
4) b-BHC	6.294	7.077	37524	6783	0.019	0.004 #
5) Heptachlor	6.621	7.373	67081	59265	0.016	BelowCal #
6) d-BHC	6.451	7.315	27688	36415	0.007	0.042 #
7) Aldrin	6.860	7.664f	63873	174986	0.015	0.039 #
8) Heptachlo...	7.324	8.070	240150	514143	0.059	0.140 #
9) trans-Chl...	7.436	8.212	632770	503243	0.153	0.136 #
10) cis-Chlor...	7.539f	8.347	734760	623250	0.179	0.176 #
11) Endosulfa...	7.614	8.379	1127799	782493	0.299	0.236 #
12) 4,4'-DDE	7.588	8.443	492368	873710	0.120	0.273 #
13) Dieldrin	7.783	8.591	1738004	986020	0.411	0.268 #
14) Endrin	7.968	8.819	2348193	875114	0.777	0.328 #
15) 4,4'-DDD	8.011	8.849	1471713	1157648	0.441	0.412 #
16) Endosulfa...	8.094	8.935f	3711254	3092409	1.148	1.054 #
17) 4,4'-DDT	8.178f	9.065	3114591	1301265	1.008	0.490 #
18) Endrin Al...	8.418	9.178	2154689	2784741	0.654	0.978 #
19) Endosulfa...	8.697	9.380	1316727	1262228	0.455	0.483 #
20) Methoxychlor	8.532	9.561	1022128	3145055	0.674	2.121 #
21) Endrin Ke...	8.880	9.802	1200446	664831	0.519	0.297 #
23) Hexachlor...	3.178	3.774	16080	18046	BelowCal	BelowCal
24) Hexachlor...	5.758	6.540	39081	12983	BelowCal	BelowCal
25) Oxychlordan	7.251	8.018	697723	462365	0.020	BelowCal #
26) 2,4'-DDE	7.324	8.212	240150	503243	BelowCal	0.023 #
27) trans-Non...	7.490	8.289	855942	617807	BelowCal	BelowCal
28) 2,4'-DDD	7.700	8.591	1176917	986020	0.332	0.296 #
29) 2,4'-DDT	7.884	8.796	1990379	1884624	0.676	0.735 #

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:52 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:13
 Operator : MJB
 Sample : 0G17041-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:01 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.968	8.849	2348193	1157648	0.395	0.150 #
31)	Mirex	8.629	9.802f	3727757	664831	1.139	BelowCal #
32)	Chlordane...	7.401	8.212	404766	503243	0.895	1.139 #
33)	Chlordane...	7.490	8.303	855942	582995	1.556	1.566
34)	Chlordane...	8.036f	9.002	1505760	5159111	10.382	38.687 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.490	8.551	855942	1583081	49.758	52.356
37)	Toxaphene...	7.783	8.900	1738004	1974286	50.417	50.240
38)	Toxaphene...	8.094	8.935	3711254	3092409	49.254	48.902
39)	Toxaphene...	8.334	9.002	3700248	5159111	50.505	49.328
40)	Toxaphene...	8.561	9.178	2695138	2784741	48.256	49.048
41)	Toxaphene...	8.629	9.561	3727757	3145055	48.490	48.574
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

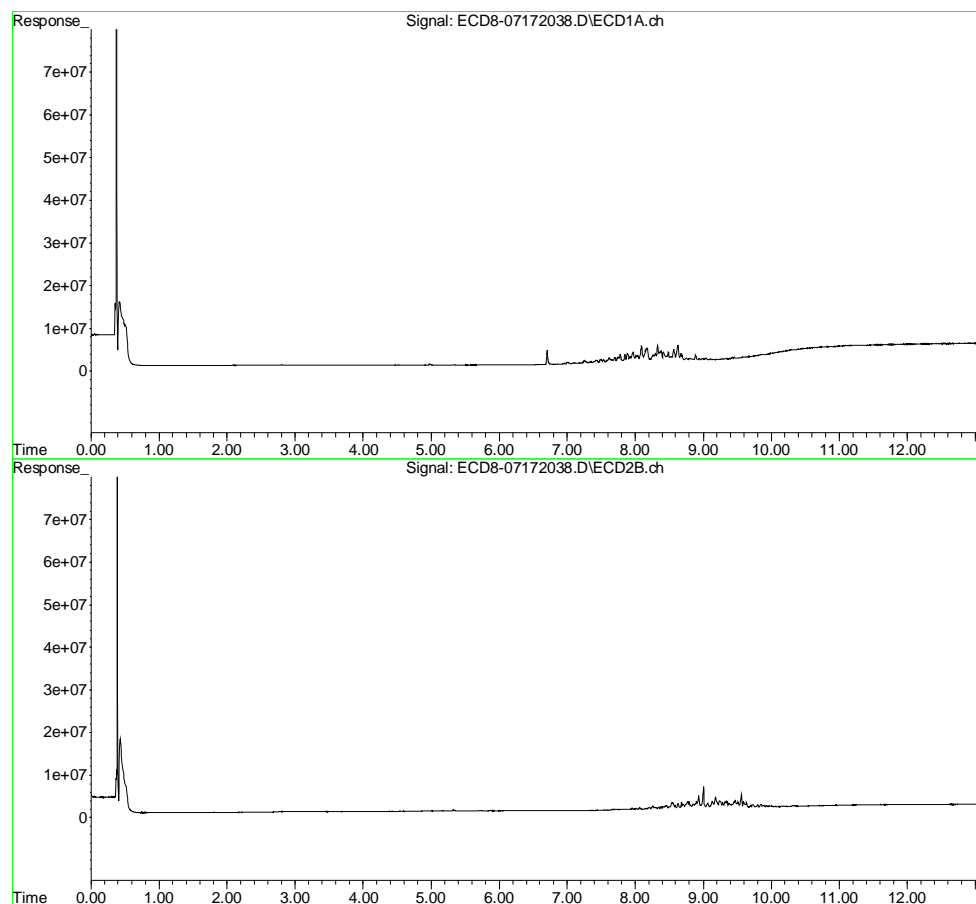


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 3:13
Operator : MJB
Sample : 0G17041-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:49:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:30
 Operator : MJB
 Sample : 0G17041-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	6.106f	0	178791	N.D.	0.051 #
22) S DCBP (S)	9.599	10.661	176777	299644	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.939	6.682	37667	31460	0.008	0.048 #
3) g-BHC	6.222	7.006	17618	12148	0.004	0.002 #
4) b-BHC	6.292	7.051	32952	47351	0.017	0.025 #
5) Heptachlor	6.625	7.377	47307	49741	0.011	BelowCal #
6) d-BHC	6.448	7.314	27706	65427	0.007	0.049 #
7) Aldrin	6.860	7.664f	131845	349159	0.030	0.086 #
8) Heptachlo...	7.323	8.068	529057	962140	0.131	0.263 #
9) trans-Chl...	7.433	8.196f	1263537	1111559	0.305	0.300
10) cis-Chlor...	7.523	8.347	828369	1224989	0.202	0.345 #
11) Endosulfa...	7.614	8.379	2247325	1485482	0.596	0.448
12) 4,4'-DDE	7.587	8.444	1034438	1682855	0.253	0.508 #
13) Dieldrin	7.782	8.591	3397116	1914297	0.803	0.521 #
14) Endrin	7.970	8.797	4591898	3665012	1.519	1.481
15) 4,4'-DDD	8.011	8.846	2984390	2274695	0.894	0.802
16) Endosulfa...	8.094	8.958	7343945	1720254	2.271	0.586 #
17) 4,4'-DDT	8.222f	9.065	1665272	2479363	0.539	0.948 #
18) Endrin Al...	8.381	9.179	4941417	5437553	1.501	1.910 #
19) Endosulfa...	8.697	9.380	2694449	2419604	0.930	0.968
20) Methoxychlor	8.532	9.560	2156589	6294054	1.423	4.245 #
21) Endrin Ke...	8.880	9.803	2096428	1294135	0.907	0.682
23) Hexachlor...	0.000	3.795f	0	16000	N.D.	BelowCal
24) Hexachlor...	5.750	6.563f	25845	80519	BelowCal	BelowCal
25) Oxychlordan	7.251	8.019	1373591	871364	0.218	0.066 #
26) 2,4'-DDE	7.323	8.196	529057	1111559	0.027	0.299 #
27) trans-Non...	7.490	8.289	1712669	1160157	0.223	0.111 #
28) 2,4'-DDD	7.701	8.591	2461742	1914297	0.907	0.773
29) 2,4'-DDT	7.883	8.797	3921076	3665012	1.509	1.616

ECD8_QUANTPEST_200717.M Mon Jul 20 14:52:56 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:30
 Operator : MJB
 Sample : 0G17041-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.970	8.846	4591898	2274695	0.947	0.468 #
31)	Mirex	8.629	9.764	7361756	647973	2.530	BelowCal #
32)	Chlordane...	7.400	8.196	847725	1111559	1.874	2.516 #
33)	Chlordane...	7.523	8.302f	828369	1093739	1.506	2.938 #
34)	Chlordane...	8.033f	9.002	3046059	9694013	21.002	80.946 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.490	8.552	1712669	3003906	99.562	99.345
37)	Toxaphene...	7.782	8.898	3397116	3932330	101.560	100.067
38)	Toxaphene...	8.094	8.935	7343945	6129499	97.466	96.930
39)	Toxaphene...	8.334	9.002	6896854	9694013	98.239	98.386
40)	Toxaphene...	8.561	9.179	5572830	5437553	99.780	95.773
41)	Toxaphene...	8.629	9.560	7361756	6294054	95.761	97.209
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

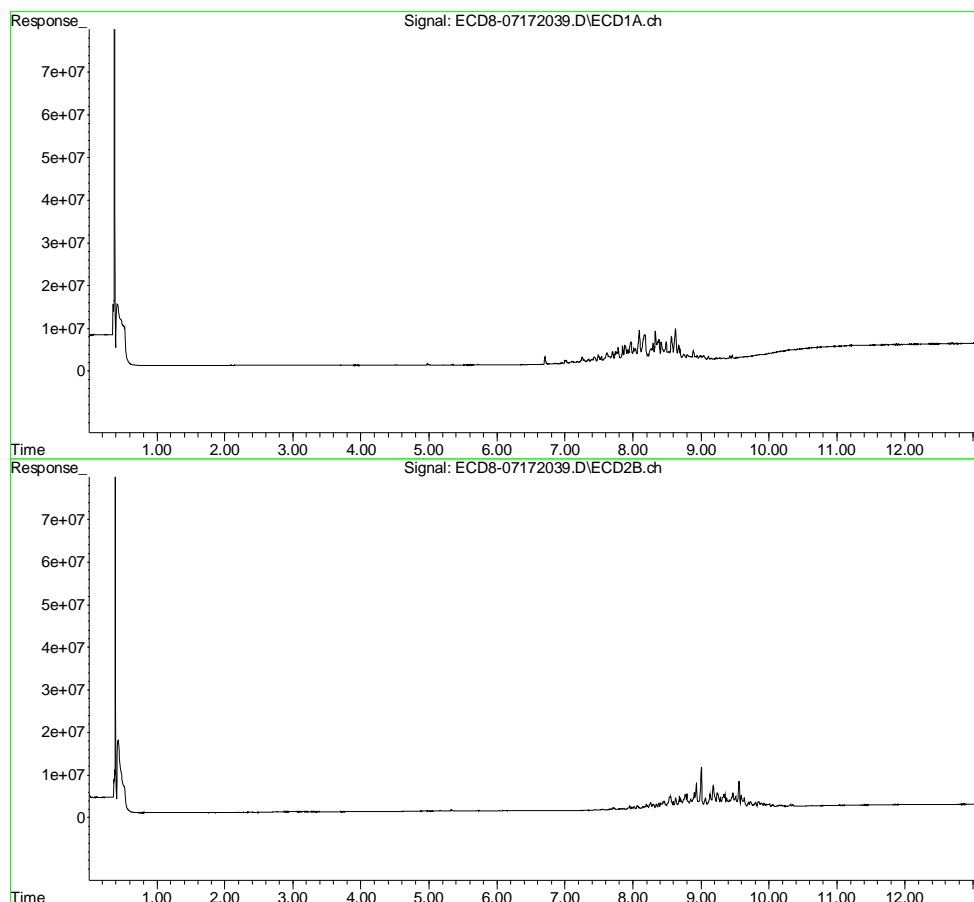


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 3:30
Operator : MJB
Sample : 0G17041-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:49:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:46
 Operator : MJB
 Sample : 0G17041-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	6.057f	0	19151	N.D.	0.005 #
22) S DCBP (S)	9.597	10.653	206825	328465	BelowCal	BelowCal
Target Compounds						
2) a-BHC	5.932	6.683	34642	47894	0.007	0.051 #
3) g-BHC	6.222	6.992	38166	61798	0.009	0.015 #
4) b-BHC	6.296	7.071	51163	18968	0.026	0.010 #
5) Heptachlor	6.623	7.378	96281	132056	0.023	0.001 #
6) d-BHC	6.459	7.315	77897	138749	0.019	0.069 #
7) Aldrin	6.861	7.663	292064	613425	0.067	0.159 #
8) Heptachlo...	7.324	8.069	1084145	1884353	0.268	0.515 #
9) trans-Chl...	7.433	8.195f	2500004	2151916	0.604	0.581
10) cis-Chlor...	7.537	8.347	2883138	2336090	0.703	0.658
11) Endosulfa...	7.614	8.379	4527771	2789257	1.200	0.842 #
12) 4,4'-DDE	7.587	8.443	2198354	3216190	0.538	0.954 #
13) Dieldrin	7.781	8.590	6458181	3583132	1.527	0.974 #
14) Endrin	7.970	8.818	9013545	3479257	2.981	1.405 #
15) 4,4'-DDD	8.010	8.848	5940457	4422561	1.779	1.551
16) Endosulfa...	8.093	8.935f	14476901	11772898	4.477	4.013
17) 4,4'-DDT	8.220f	9.065	3485058	4862321	1.128	1.870 #
18) Endrin Al...	8.419	9.179	8721480	10508119	2.649	3.691 #
19) Endosulfa...	8.697	9.380	5531637	4745283	1.910	1.942
20) Methoxychlor	8.531	9.561	4448946	11966817	2.936	8.070 #
21) Endrin Ke...	8.881	9.803	3984203	2459527	1.724	1.392
23) Hexachlor...	3.172	3.771	4904	15952	BelowCal	BelowCal
24) Hexachlor...	5.757	6.537	28824	22650	BelowCal	BelowCal
25) Oxychlordan	7.251	8.020	2687076	1654916	0.602	0.339 #
26) 2,4'-DDE	7.324	8.195	1084145	2151916	0.244	0.772 #
27) trans-Non...	7.490	8.289	3430159	2184732	0.681	0.434 #
28) 2,4'-DDD	7.701	8.590	4827149	3583132	1.967	1.631
29) 2,4'-DDT	7.883	8.796	7699086	7013666	3.138	3.267

ECD8_QUANTPEST_200717.M Mon Jul 20 14:53:00 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:46
 Operator : MJB
 Sample : 0G17041-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.970	8.848	9013545	4422561	2.037	1.079 #
31)	Mirex	8.629	9.803f	14740876	2459527	5.354	0.755 #
32)	Chlordane...	7.399	8.195f	1766813	2151916	3.905	4.871
33)	Chlordane...	7.490	8.303	3430159	2137384	6.234	5.742
34)	Chlordane...	8.033f	9.002	6096883	19284549	42.037	169.029 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.490	8.551	3430159	5816913	199.405	192.377
37)	Toxaphene...	7.781	8.899	6458181	7444456	196.029	189.441
38)	Toxaphene...	8.093	8.935	14476901	11772898	192.132	186.172
39)	Toxaphene...	8.334	9.002	13583543	19284549	197.476	200.400
40)	Toxaphene...	8.561	9.179	10740544	10508119	192.306	185.082
41)	Toxaphene...	8.629	9.561	14740876	11966817	191.747	184.822
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

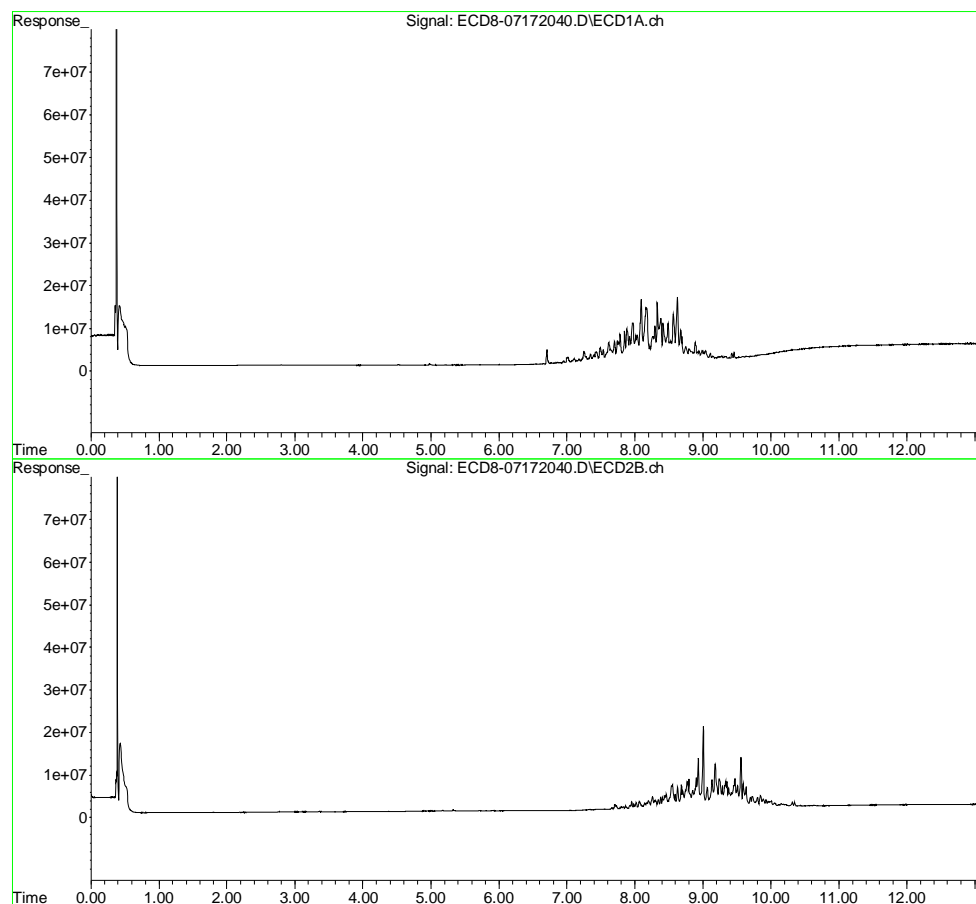
✓

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 3:46
Operator : MJB
Sample : 0G17041-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:49:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:03
 Operator : MJB
 Sample : 0G17041-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.405	6.105f	21845	64734	0.006	0.018 #
22) S DCBP (S)	9.596	10.631f	440381	727383	BelowCal	0.106
Target Compounds						
2) a-BHC	5.928	6.680	66662	90020	0.014	0.061 #
3) g-BHC	6.221	6.994	64532	126278	0.015	0.032 #
4) b-BHC	6.288	7.072	89561	57725	0.045	0.031 #
5) Heptachlor	6.624	7.375	253305	332333	0.060	0.053
6) d-BHC	6.458	7.315	159340	270465	0.039	0.104 #
7) Aldrin	6.860	7.663	764372	1110008	0.175	0.295 #
8) Heptachlo...	7.323	8.067	2807801	4421352	0.693	1.208 #
9) trans-Chl...	7.434	8.195f	6095323	5014330	1.473	1.353
10) cis-Chlor...	7.538	8.347	7095490	5552758	1.730	1.565
11) Endosulfa...	7.611	8.378	10873908	6622026	2.882	1.999 #
12) 4,4'-DDE	7.586	8.443	5463743	7705412	1.336	2.255 #
13) Dieldrin	7.782	8.590	16374887	8611396	3.872	2.341 #
14) Endrin	7.969	8.796	23354602	17924734	7.724	7.304
15) 4,4'-DDD	8.010	8.847	15282780	11091629	4.576	3.864
16) Endosulfa...	8.093	8.934f	37356847	30086909	11.552	10.255
17) 4,4'-DDT	8.221f	9.065	9292139	12544386	3.007	4.817 #
18) Endrin Al...	8.419	9.177	22493269	27180276	6.831	9.548 #
19) Endosulfa...	8.696	9.379	14742384	12379035	5.090	5.116
20) Methoxychlor	8.531	9.560	12002884	30729756	7.920	20.724 #
21) Endrin Ke...	8.880	9.801	10522852	6398639	4.552	3.776
23) Hexachlor...	0.000	3.794f	0	131239	N.D.	BelowCal
24) Hexachlor...	5.759	6.540	61295	26840	BelowCal	BelowCal
25) Oxychlordan	7.250	8.020	6674686	3675953	1.769	1.042 #
26) 2,4'-DDE	7.323	8.195	2807801	5014330	0.919	2.068 #
27) trans-Non...	7.489	8.289	8796735	5191727	2.111	1.381 #
28) 2,4'-DDD	7.700	8.590	11928224	8611396	5.144	4.202
29) 2,4'-DDT	7.882	8.796	19857860	17924734	8.368	8.594

ECD8_QUANTPEST_200717.M Mon Jul 20 14:53:04 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:03
 Operator : MJB
 Sample : 0G17041-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.969	8.847	23354602	11091629	5.567	2.970 #
31)	Mirex	8.629	9.801f	37486003	6398639	14.065	2.623 #
32)	Chlordane...	7.400	8.195f	4567743	5014330	10.097	11.350
33)	Chlordane...	7.489	8.302f	8796735	4878219	15.988	13.105
34)	Chlordane...	8.032f	9.001	16194843	50161527	111.660	441.742 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.489	8.550	8796735	14204287	511.380	469.764
37)	Toxaphene...	7.782	8.898	16374887	18865554	503.059	480.077
38)	Toxaphene...	8.093	8.934	37356847	30086909	495.786	475.783
39)	Toxaphene...	8.333	9.001	35167753	50161527	512.363	514.364
40)	Toxaphene...	8.561	9.177	28126951	27180276	503.605	478.732
41)	Toxaphene...	8.629	9.560	37486003	30729756	487.612	474.608
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

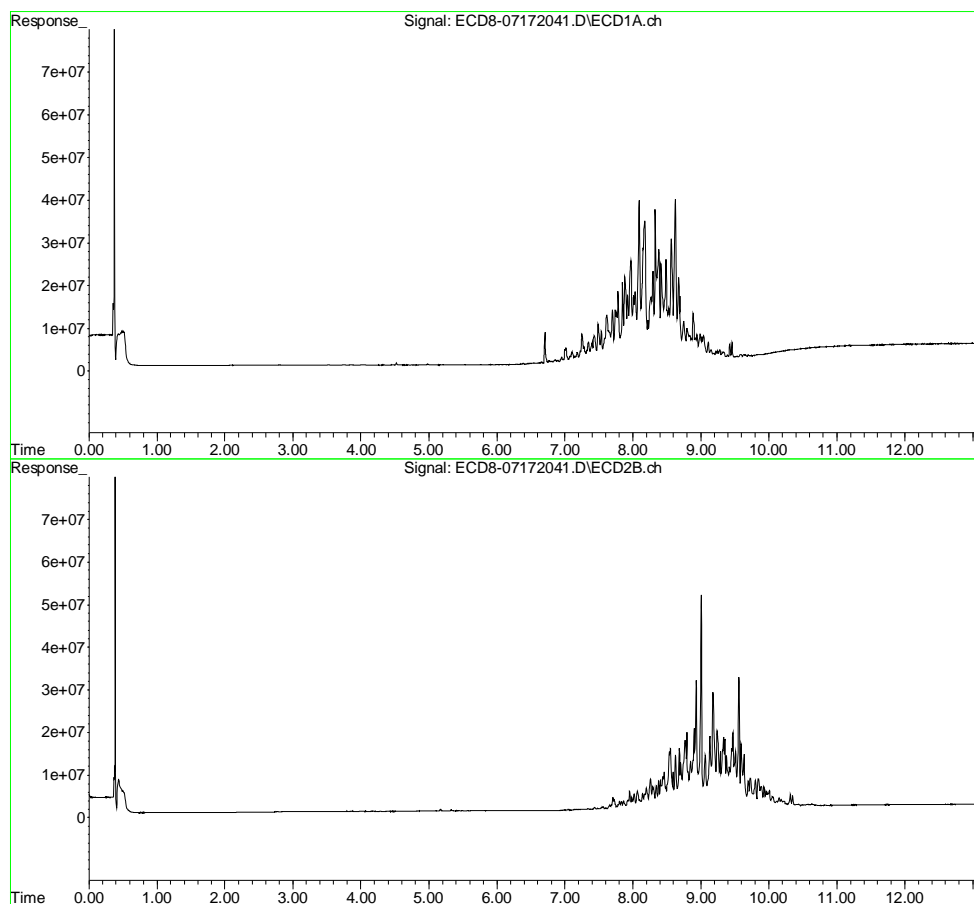


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 4:03
Operator : MJB
Sample : 0G17041-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:19
 Operator : MJB
 Sample : 0G17041-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.403	6.081	49800	15082	0.013	0.004 #
22) S DCBP (S)	9.583	10.632f	1232816	1242064	0.182	0.358 #
Target Compounds						
2) a-BHC	5.927	6.680	139052	170057	0.028	0.079 #
3) g-BHC	6.224	6.991	130361	309584	0.029	0.079 #
4) b-BHC	6.290	7.072	189693	161700	0.096	0.086
5) Heptachlor	6.623	7.375	545158	685052	0.129	0.146
6) d-BHC	6.458	7.315	344518	550078	0.084	0.177 #
7) Aldrin	6.859	7.664	1539918	2071707	0.353	0.557 #
8) Heptachlo...	7.322	8.069	5585405	8167944	1.379	2.231 #
9) trans-Chl...	7.433	8.196f	11830543	9915281	2.859	2.676
10) cis-Chlor...	7.537	8.347	14003719	10954674	3.415	3.088
11) Endosulfa...	7.612	8.379	21280729	13101117	5.640	3.955 #
12) 4,4'-DDE	7.586	8.443	11018917	15766380	2.695	4.576 #
13) Dieldrin	7.781	8.590	31839970	16461991	7.529	4.476 #
14) Endrin	7.967	8.818	47115425	17885556	15.582	7.288 #
15) 4,4'-DDD	8.009	8.848	30047574	22789685	8.996	7.877
16) Endosulfa...	8.092	8.935f	75044752	62596333	23.207	21.337
17) 4,4'-DDT	8.221f	9.065	18334276	25762093	5.934	9.802 #
18) Endrin Al...	8.418	9.179	44605675	55665323	13.547	19.554 #
19) Endosulfa...	8.696	9.380	29882381	24955197	10.317	10.275
20) Methoxychlor	8.530	9.561	24692708	63102776	16.293	42.557 #
21) Endrin Ke...	8.880	9.803	20504486	13056470	8.871	7.751
23) Hexachlor...	0.000	3.794f	0	120767	N.D.	BelowCal
24) Hexachlor...	5.745f	6.536	25359	73106	BelowCal	BelowCal
25) Oxychlordan	7.251	8.020	12957129	6993204	3.608	2.194 #
26) 2,4'-DDE	7.322	8.196	5585405	9915281	2.006	4.277 #
27) trans-Non...	7.488	8.289	17086458	10100285	4.321	2.923 #
28) 2,4'-DDD	7.700	8.590	24227646	16461991	10.640	8.182
29) 2,4'-DDT	7.882	8.797	40556470	37196252	17.226	17.812

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:19
 Operator : MJB
 Sample : 0G17041-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.967	8.848	47115425	22789685	11.407	6.268 #
31)	Mirex	8.628	9.803f	75247744	13056470	28.551	5.766 #
32)	Chlordane...	7.399	8.196	9061831	9915281	20.031	22.442
33)	Chlordane...	7.488f	8.302f	17086458	9515974	31.055	25.565
34)	Chlordane...	8.031f	9.003	32648194	101.9E6	225.102	866.755 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.488	8.551	17086458	29203436	993.286	965.815
37)	Toxaphene...	7.781	8.899	31839970	38505672	984.924	979.865
38)	Toxaphene...	8.092	8.935	75044752	62596333	995.965	989.874
39)	Toxaphene...	8.333	9.003	69598117	101.9E6	998.668	998.957
40)	Toxaphene...	8.560	9.179	55357585	55665323	991.162	980.446
41)	Toxaphene...	8.628	9.561	75247744	63102776	978.811	974.595
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

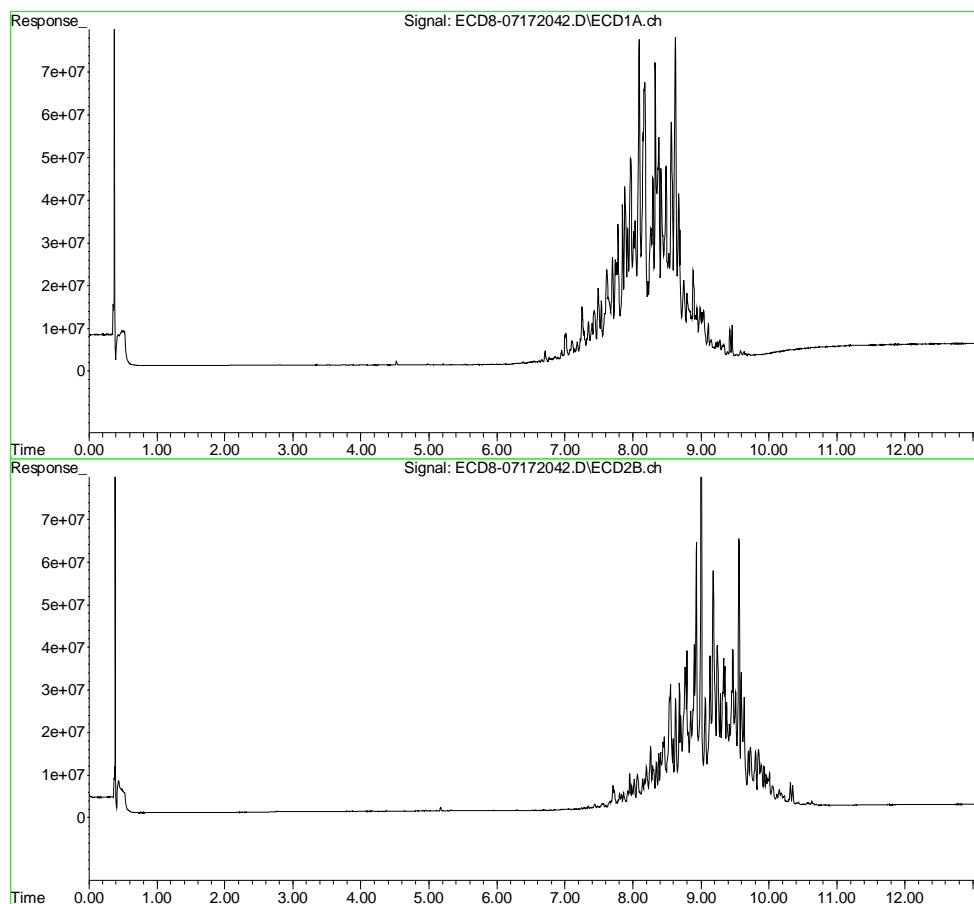
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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 4:19
Operator : MJB
Sample : 0G17041-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:49:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:36
 Operator : MJB
 Sample : 0G17041-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.376	6.103f	20320	151834	0.005	0.043 #
22) S DCBP (S)	9.583	10.632f	2873211	2473961	0.725	0.958 #
Target Compounds						
2) a-BHC	5.927	6.682	265336	354621	0.054	0.121 #
3) g-BHC	6.224	6.992	240591	596147	0.054	0.153 #
4) b-BHC	6.295	7.075	306397	331087	0.154	0.176
5) Heptachlor	6.624	7.375	1114153	1256992	0.263	0.296
6) d-BHC	6.458	7.315	651641	947427	0.158	0.282 #
7) Aldrin	6.859	7.663	2974327	3796373	0.682	1.028 #
8) Heptachlo...	7.322	8.069	10985778	16635497	2.713	4.544 #
9) trans-Chl...	7.433	8.196f	24061675	19717828	5.815	5.321
10) cis-Chlor...	7.536	8.346	28854678	22322395	7.036	6.292
11) Endosulfa...	7.612	8.378	43330527	27081666	11.484	8.176 #
12) 4,4'-DDE	7.585	8.443	22118413	31124420	5.410	8.947 #
13) Dieldrin	7.780	8.590	64472521	34599531	15.245	9.408 #
14) Endrin	7.968	8.818	95587943	37569305	31.613	15.144 #
15) 4,4'-DDD	8.008	8.848	62560661	48844450	18.731	16.629
16) Endosulfa...	8.091	8.935f	153.6E6	131.1E6	47.500	44.675
17) 4,4'-DDT	8.221f	9.064	38488083	54471480	12.456	20.279 #
18) Endrin Al...	8.418	9.178	94625444	120.4E6	28.737	42.295 #
19) Endosulfa...	8.696	9.380	62314464	53065729	21.515	21.509
20) Methoxychlor	8.530	9.560	52015538	139.0E6	34.322	93.740 #
21) Endrin Ke...	8.879	9.802	42773452	27916149	18.505	16.389
23) Hexachlor...	3.175	3.776	4199	10669	BelowCal	BelowCal
24) Hexachlor...	5.765	6.533	36088	144197	BelowCal	BelowCal
25) Oxychlordan	7.251	8.020	26267603	13456083	7.504	4.429 #
26) 2,4'-DDE	7.322	8.196	10985778	19717828	4.117	8.657 #
27) trans-Non...	7.488	8.289	35038178	20598633	9.104	6.200 #
28) 2,4'-DDD	7.699	8.590	49775400	34599531	22.021	17.220
29) 2,4'-DDT	7.882	8.796	83074792	78700372	35.254	36.918

ECD8_QUANTPEST_200717.M Mon Jul 20 14:53:12 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
 Data File : ECD8-07172043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:36
 Operator : MJB
 Sample : 0G17041-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 14:49:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:56:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.968	8.848	95587943	48844450	23.289	13.524 #
31)	Mirex	8.627	9.802f	158.1E6	27916149	60.442	12.721 #
32)	Chlordane...	7.433	8.196	24061675	19717828	53.188	44.630
33)	Chlordane...	7.488f	8.346f	35038178	22322395	63.682	59.970
34)	Chlordane...	8.031f	9.002	67870545	222.9E6	467.952	1748.493 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.488	8.550	35038178	59422474	2036.872	1965.218
37)	Toxaphene...	7.780	8.898	64472521	82837414	2014.267	2107.989
38)	Toxaphene...	8.091	8.935	153.6E6	131.1E6	2038.551	2072.633
39)	Toxaphene...	8.333	9.002	144.2E6	222.9E6	1993.488	1991.165
40)	Toxaphene...	8.560	9.178	117.9E6	120.4E6	2111.195	2120.711
41)	Toxaphene...	8.627	9.560	158.1E6	139.0E6	2056.839	2146.742
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

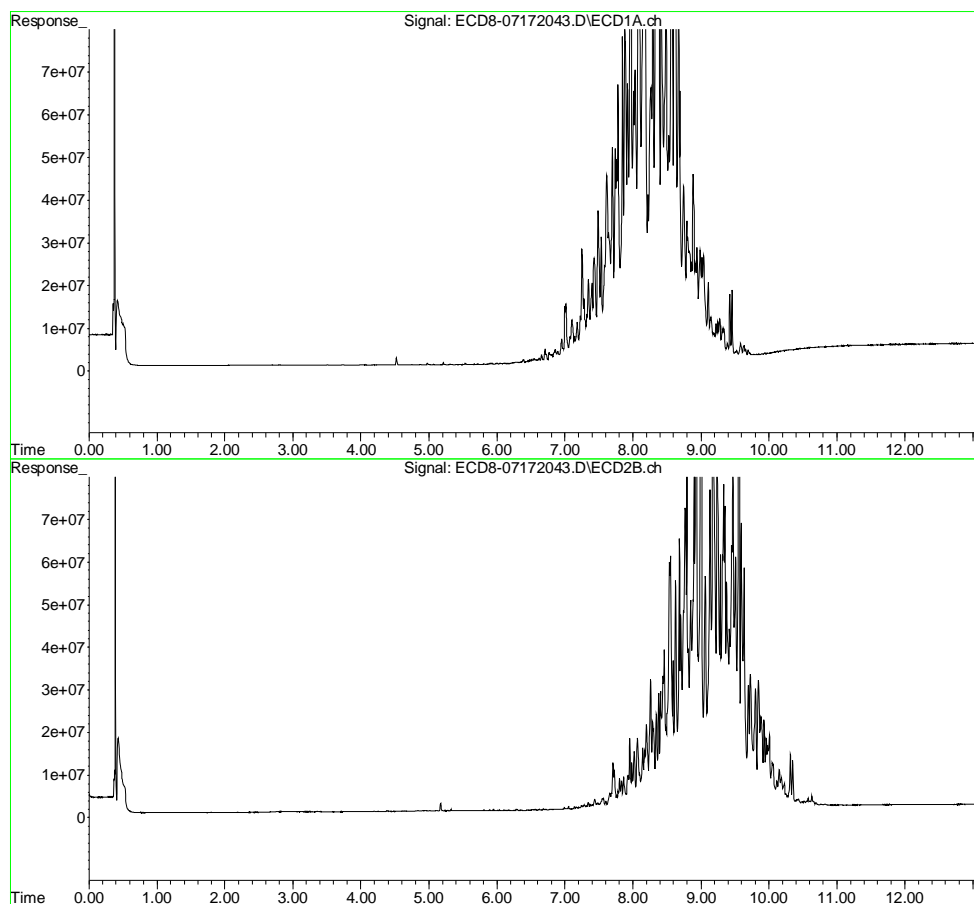


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\
Data File : ECD8-07172043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 4:36
Operator : MJB
Sample : 0G17041-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 14:49:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:56:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Sequence Name: C:\msdchem\1\sequence\0G17041.s
 Comment: Pesticides
 Operator: MJB
 Data Path: C:\MSDCHEM\1\DATA\2020-07\0G17041\
 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	ECD8-07172001
Method	ECD8_AQUPEST_190925
2) Sample	1 Hexane
Datafile	ECD8-07172002
Method	ECD8_AQUPEST_190925
3) Sample	3 0G17041-BKD1 → Sequencing error.
Datafile	ECD8-07172003
Method	ECD8_AQUPEST_190925
4) Sample	3 0G17041- ICB1 BKD1 <small>MJB 7/20/20</small>
Datafile	ECD8-07172004
Method	ECD8_AQUPEST_190925
5) Sample	3 0G17041-ICB1
Datafile	ECD8-07172005
Method	ECD8_AQUPEST_190925
6) Sample	4 0G17041-CAL1 MJB 7/20/20
Datafile	ECD8-07172006
Method	ECD8_AQUPEST_190925
7) Sample	5 0G17041-CAL2
Datafile	ECD8-07172007
Method	ECD8_AQUPEST_190925
8) Sample	6 0G17041-CAL3
Datafile	ECD8-07172008
Method	ECD8_AQUPEST_190925
9) Sample	7 0G17041-CAL4
Datafile	ECD8-07172009
Method	ECD8_AQUPEST_190925
10) Sample	8 0G17041-CAL5
Datafile	ECD8-07172010
Method	ECD8_AQUPEST_190925
11) Sample	9 0G17041-CAL6
Datafile	ECD8-07172011
Method	ECD8_AQUPEST_190925
12) Sample	10 0G17041-CAL7
Datafile	ECD8-07172012
Method	ECD8_AQUPEST_190925
13) Sample	11 0G17041-CAL8
Datafile	ECD8-07172013
Method	ECD8_AQUPEST_190925
14) Sample	12 0G17041-CAL9

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	Datafile		ECD8-07172014
	Method		ECD8_AQUPEST_190925
15)	Sample	1	OG17041-IBL1
	Datafile		ECD8-07172015
	Method		ECD8_AQUPEST_190925
16)	Sample	13	OG17041-ICV1
	Datafile		ECD8-07172016
	Method		ECD8_AQUPEST_190925
17)	Sample	14	OG17041-CALA
	Datafile		ECD8-07172017
	Method		ECD8_AQUPEST_190925
18)	Sample	15	OG17041-CALB
	Datafile		ECD8-07172018
	Method		ECD8_AQUPEST_190925
19)	Sample	16	OG17041-CALC
	Datafile		ECD8-07172019
	Method		ECD8_AQUPEST_190925
20)	Sample	17	OG17041-CALD
	Datafile		ECD8-07172020
	Method		ECD8_AQUPEST_190925
21)	Sample	18	OG17041-CALE
	Datafile		ECD8-07172021
	Method		ECD8_AQUPEST_190925
22)	Sample	19	OG17041-CALF
	Datafile		ECD8-07172022
	Method		ECD8_AQUPEST_190925
23)	Sample	20	OG17041-CALG
	Datafile		ECD8-07172023
	Method		ECD8_AQUPEST_190925
24)	Sample	21	OG17041-CALH
	Datafile		ECD8-07172024
	Method		ECD8_AQUPEST_190925
25)	Sample	22	OG17041-CALI
	Datafile		ECD8-07172025
	Method		ECD8_AQUPEST_190925
26)	Sample	1	OG17041-IBL2
	Datafile		ECD8-07172026
	Method		ECD8_AQUPEST_190925
27)	Sample	23	OG17041-ICV2
	Datafile		ECD8-07172027
	Method		ECD8_AQUPEST_190925
28)	Sample	24	OG17041-CALJ
	Datafile		ECD8-07172028
	Method		ECD8_AQUPEST_190925
29)	Sample	25	OG17041-CALK
	Datafile		ECD8-07172029
	Method		ECD8_AQUPEST_190925
30)	Sample	26	OG17041-CALL
	Datafile		ECD8-07172030
	Method		ECD8_AQUPEST_190925
31)	Sample	27	OG17041-CALM
	Datafile		ECD8-07172031
	Method		ECD8_AQUPEST_190925
32)	Sample	28	OG17041-CALN
	Datafile		ECD8-07172032
	Method		ECD8_AQUPEST_190925

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33) Sample	29	OG17041-CALO
Datafile		ECD8-07172033
Method		ECD8_AQUPEST_190925
34) Sample	30	OG17041-CALP
Datafile		ECD8-07172034
Method		ECD8_AQUPEST_190925
35) Sample	1	OG17041-IBL3
Datafile		ECD8-07172035
Method		ECD8_AQUPEST_190925
36) Sample	31	OG17041-ICV3
Datafile		ECD8-07172036
Method		ECD8_AQUPEST_190925
37) Sample	32	OG17041-CALQ
Datafile		ECD8-07172037
Method		ECD8_AQUPEST_190925
38) Sample	33	OG17041-CALR
Datafile		ECD8-07172038
Method		ECD8_AQUPEST_190925
39) Sample	34	OG17041-CALS
Datafile		ECD8-07172039
Method		ECD8_AQUPEST_190925
40) Sample	35	OG17041-CALT
Datafile		ECD8-07172040
Method		ECD8_AQUPEST_190925
41) Sample	36	OG17041-CALU
Datafile		ECD8-07172041
Method		ECD8_AQUPEST_190925
42) Sample	37	OG17041-CALV
Datafile		ECD8-07172042
Method		ECD8_AQUPEST_190925
43) Sample	38	OG17041-CALW
Datafile		ECD8-07172043
Method		ECD8_AQUPEST_190925

Sequence Name: C:\msdchem\1\sequence\0G17041.s

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	1	0G17041-IBL4		
	Datafile		ECD8-07172044		
	Method		ECD8_AQUPEST_190925		
45)	Sample	39	0G17041-ICV4		
	Datafile		ECD8-07172045		
	Method		ECD8_AQUPEST_190925		

Last Modified: Fri Jul 17 17:53:12 2020

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Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0G17041 BKD1
Data File: ECD8-07172004.D

First Column Area Counts		Percent Breakdown	
DDE	19662502		
DDD	84623664		
DDT	2828546549	3.56	PASS
Endrin	1468789414	13.44	PASS
Endrin Aldehyde	140490992		
Endrin Ketone	87551419		

MJB 7/20/20

Second Column Area Counts		Percent Breakdown	
DDE	21575856		
DDD	74962297		
DDT	2726504598	3.42	PASS
Endrin	1294671022	9.59	PASS
Endrin Aldehyde	80030485		
Endrin Ketone	57279877		

Breakdown must be less than 15% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 17:51
 Operator : MJB
 Sample : 0G17041-BKD1
 Misc : A20E115
 ALS Vial : 3 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 11:58:18 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.585	19662502	NoCal	ng/mL
2) Endrin	7.954	1468789414	NoCal	ng/mL
3) 4,4'-DDD	8.003	84623664	NoCal	ng/mL
4) 4,4'-DDT	8.201	2828546549	NoCal	ng/mL
5) Endrin Aldehyde	8.403	140490992	NoCal	ng/mL
6) Endrin Ketone	8.898	87551419	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.435	21575856	NoCal	ng/mL
9) Endrin [2C]	8.812	1294671022	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.849	74962297	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.196	80030485	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.078	2726504598	NoCal	ng/mL
13) Endrin Ketone [2C]	9.790	57279877	NoCal	ng/mL

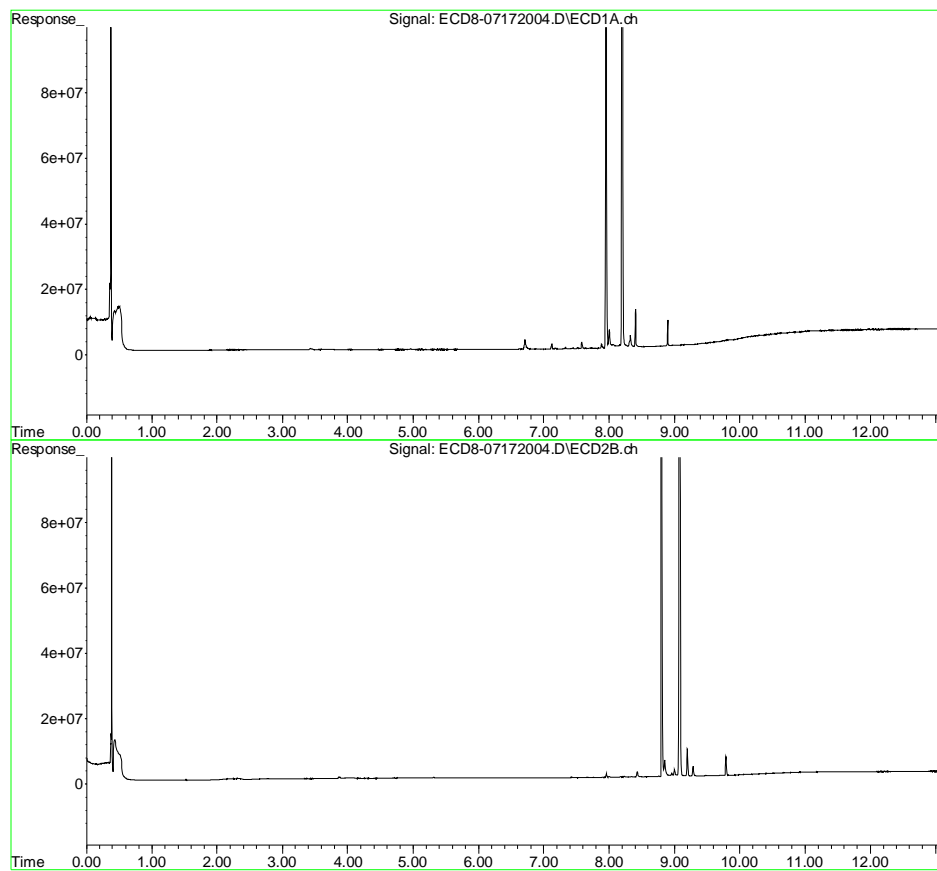
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 17:51
Operator : MJB
Sample : 0G17041-BKD1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 11:58:18 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200717.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:24
 Operator : MJB
 Sample : 0G17041-CAL1
 Misc : A20G268, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:10:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

MJB 7/20/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.391	6.080	2059810	1883297	0.565	0.530
22) S DCBP (S)	9.598	10.663	2181303	1522119	0.559	0.469
Target Compounds						
2) a-BHC	5.933	6.686	2450601	2141378	0.503	0.449
3) g-BHC	6.219	7.004	2300594	2019752	0.539	0.473
4) b-BHC	6.298	7.068	1113855	1100105	0.618	0.602
5) Heptachlor	6.627	7.380	2222149	2112772	0.562	0.499
6) d-BHC	6.449	7.324	2058451	1866164	0.636	0.538
7) Aldrin	6.868	7.646	2287325	1943000	0.530	0.485
8) Heptachlo...	7.330	8.084	2227813	2038283	0.564	0.541
9) trans-Chl...	7.425	8.223	2220216	1998781	0.552	0.524
10) cis-Chlor...	7.520	8.330	2439640	1890414	0.466	0.507
11) Endosulfa...	7.620	8.382	2036980	1697626	0.553	0.500
12) 4,4'-DDE	7.583	8.433	2065125	1702667	0.563	0.521
13) Dieldrin	7.791	8.583	2238734	1823919	0.555	0.473
14) Endrin	7.956	8.812	1557812	1336331	0.462	0.452
15) 4,4'-DDD	8.005	8.850	1731427	1463902	0.607	0.536
16) Endosulfa...	8.116	8.960	1722193	1559202	0.566	0.516
17) 4,4'-DDT	8.202	9.077	1656264	1394118	0.737	0.523 #
18) Endrin Al...	8.405	9.197	1961121	1632480	0.521	0.564
19) Endosulfa...	8.706	9.387	1519491	1337833	0.514	0.451
20) Methoxychlor	8.546	9.558	868824	832289	0.683	0.537
21) Endrin Ke...	8.899	9.790	1364571	1021475	0.383	0.304
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

ECD8_QUANTPEST_200717.M Mon Jul 20 13:09:30 2020

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:24
 Operator : MJB
 Sample : 0G17041-CAL1
 Misc : A20G268, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:10:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

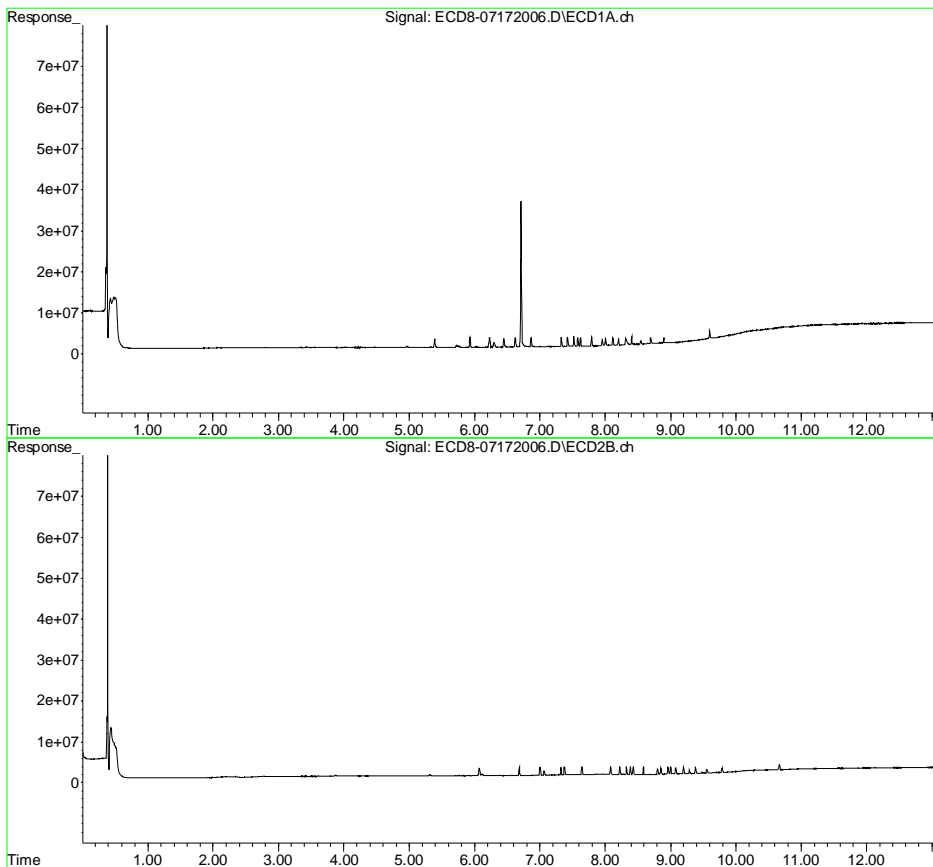
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:24
Operator : MJB
Sample : 0G17041-CAL1
Misc : A20G268, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:10:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:41
 Operator : MJB
 Sample : 0G17041-CAL2
 Misc : A20G269, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:12:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.391	6.080	3749962	3424170	1.028	0.965
22)	S DCBP (S)	9.598	10.662	3741875	2571519	1.112	0.930
Target Compounds							
2)	a-BHC	5.932	6.685	4624195	4050441	0.949	0.850
3)	g-BHC	6.219	7.004	4281415	3728838	1.003	0.873
4)	b-BHC	6.299	7.068	2132830	2041836	1.183	1.117
5)	Heptachlor	6.627	7.379	4135756	3871749	1.046	0.914
6)	d-BHC	6.449	7.324	3818920	3499685	1.151	0.977
7)	Aldrin	6.867	7.646	4287214	3522992	0.994	0.879
8)	Heptachlo...	7.330	8.083	4194494	3537621	1.061	0.940
9)	trans-Chl...	7.424	8.223	4203847	3562892	1.045	0.933
10)	cis-Chlor...	7.520	8.330	4349971	3440076	0.993	0.923
11)	Endosulfa...	7.619	8.382	3844786	3206256	1.044	0.945
12)	4,4'-DDE	7.583	8.433	3926902	3336158	1.071	1.014
13)	Dieldrin	7.791	8.583	4076655	3411011	1.010	0.885
14)	Endrin	7.956	8.812	3009843	2506800	0.892	0.848
15)	4,4'-DDD	8.004	8.850	3227439	2703896	1.131	1.008
16)	Endosulfa...	8.117	8.960	3220135	2802726	1.058	0.927
17)	4,4'-DDT	8.201	9.078	2992885	2566263	1.323	0.994
18)	Endrin Al...	8.405	9.197	3634935	3023816	1.136	1.045
19)	Endosulfa...	8.705	9.387	2784647	2448888	0.943	0.826
20)	Methoxychlor	8.544	9.558	1581473	1501062	1.359	1.092
21)	Endrin Ke...	8.899	9.790	2404758	1779672	0.674	0.530
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:41
 Operator : MJB
 Sample : 0G17041-CAL2
 Misc : A20G269, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:12:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

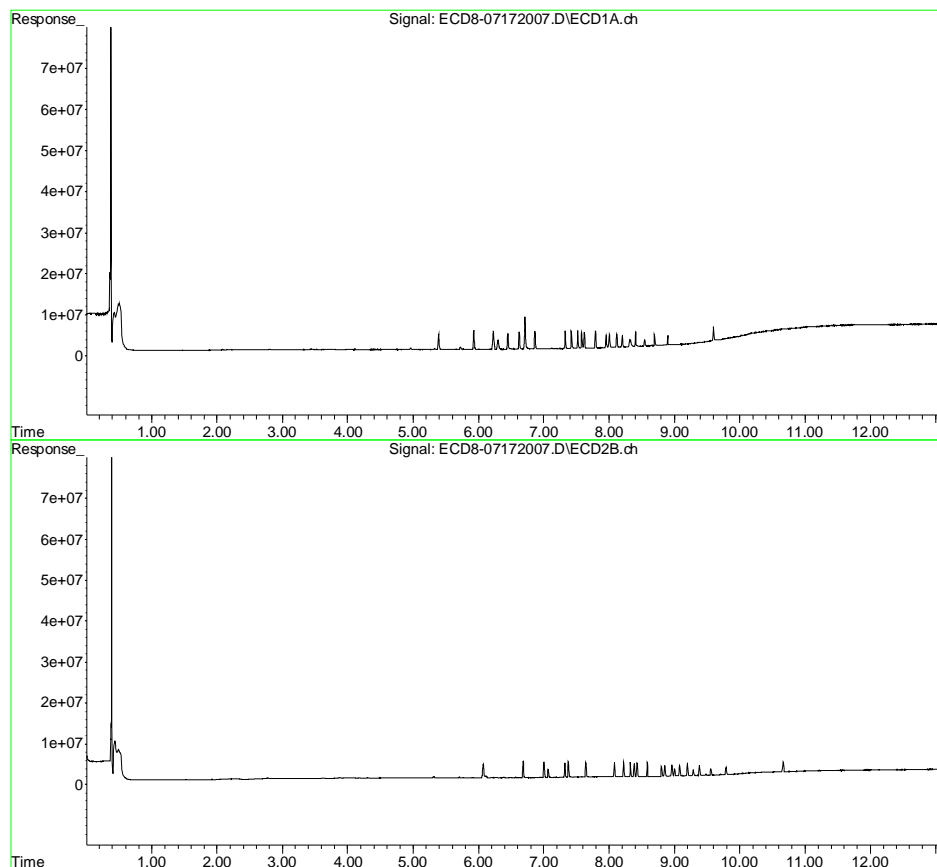
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:41
Operator : MJB
Sample : 0G17041-CAL2
Misc : A20G269, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:12:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:57
 Operator : MJB
 Sample : 0G17041-CAL3
 Misc : A20C178, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:12:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.391	6.080	6919197	6303438	1.897	1.776
22)	S DCBP (S)	9.596	10.661	6703802	4769423	2.161	1.894
Target Compounds							
2)	a-BHC	5.933	6.686	8676234	7647715	1.780	1.605
3)	g-BHC	6.220	7.005	8085541	6969061	1.893	1.632
4)	b-BHC	6.299	7.068	3893858	3586376	2.160	1.962
5)	Heptachlor	6.628	7.379	7362354	6747350	1.862	1.592
6)	d-BHC	6.449	7.323	7539593	6680796	2.237	1.830
7)	Aldrin	6.867	7.646	8128193	6693503	1.885	1.669
8)	Heptachlo...	7.330	8.083	7788065	6371510	1.971	1.692
9)	trans-Chl...	7.424	8.223	7827529	6724097	1.945	1.761
10)	cis-Chlor...	7.521	8.330	7826014	6359764	1.952	1.707
11)	Endosulfa...	7.620	8.382	7306381	6010589	1.985	1.772
12)	4,4'-DDE	7.582	8.433	7323605	6193968	1.998	1.875
13)	Dieldrin	7.791	8.582	7917841	6570645	1.962	1.704
14)	Endrin	7.955	8.811	5251034	4136332	1.556	1.399
15)	4,4'-DDD	8.004	8.849	6167478	5447533	2.162	2.050
16)	Endosulfa...	8.116	8.959	6017590	5379985	1.978	1.779
17)	4,4'-DDT	8.201	9.077	4913313	4320498	2.163	1.697
18)	Endrin Al...	8.404	9.196	6892476	5804760	2.331	2.006
19)	Endosulfa...	8.704	9.386	5171692	4537613	1.751	1.530
20)	Methoxychlor	8.544	9.557	2542453	2499381	2.268	1.920
21)	Endrin Ke...	8.898	9.789	3933660	3243527	1.103	0.966
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 18:57
 Operator : MJB
 Sample : 0G17041-CAL3
 Misc : A20C178, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:12:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

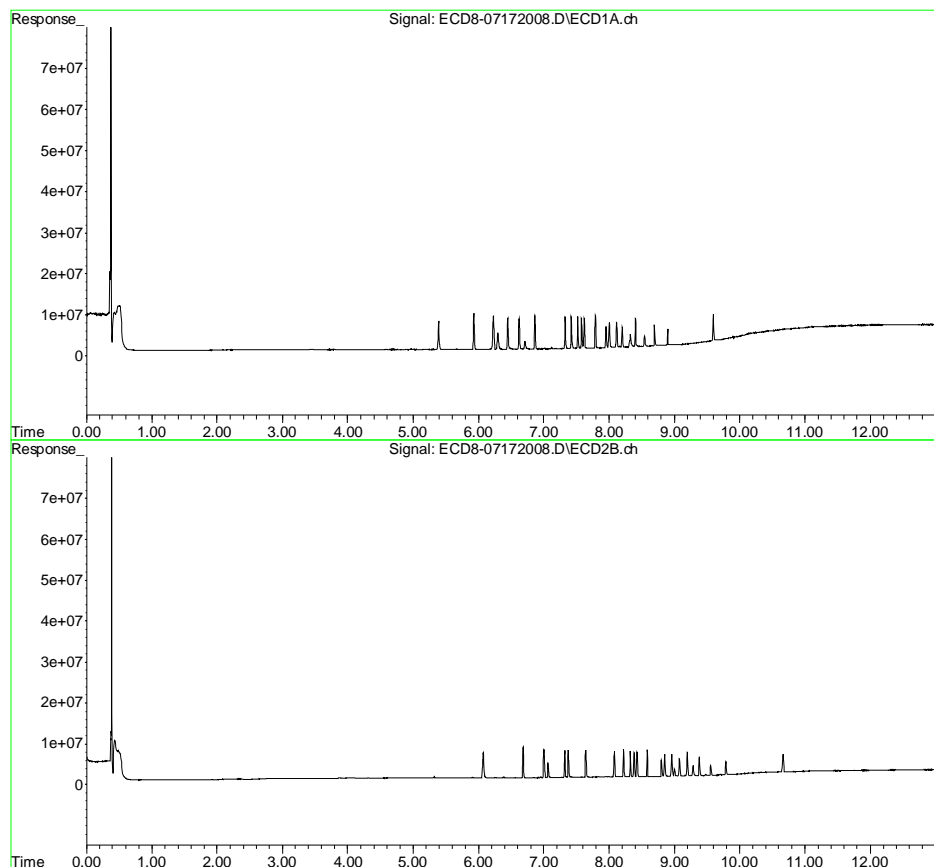
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 18:57
Operator : MJB
Sample : 0G17041-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:12:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:14
 Operator : MJB
 Sample : 0G17041-CAL4
 Misc : A20C179, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:13:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.391	6.080	18931092	16368939	5.191	4.611
22) S DCBP (S)	9.595	10.660	16272198	10905350	5.547	4.577
Target Compounds						
2) a-BHC	5.933	6.686	24927157	21917078	5.115	4.598
3) g-BHC	6.219	7.004	22425297	19662115	5.251	4.606
4) b-BHC	6.298	7.067	9687102	8897498	5.373	4.868
5) Heptachlor	6.626	7.378	21596752	19364391	5.462	4.570
6) d-BHC	6.448	7.322	20782872	18986978	6.067	5.107
7) Aldrin	6.866	7.644	21970090	18430617	5.095	4.596
8) Heptachlo...	7.329	8.082	20358408	17163624	5.151	4.559
9) trans-Chl...	7.424	8.222	20800588	16945470	5.170	4.438
10) cis-Chlor...	7.520	8.329	20032381	16723191	5.308	4.489
11) Endosulfa...	7.618	8.382	18727887	15748002	5.088	4.642
12) 4,4'-DDE	7.582	8.432	20624857	17035139	5.627	5.116
13) Dieldrin	7.790	8.582	21466979	16975757	5.318	4.403
14) Endrin	7.955	8.810	15263803	12223972	4.523	4.135
15) 4,4'-DDD	8.004	8.848	16355832	13911502	5.732	5.237
16) Endosulfa...	8.115	8.959	15952313	13560676	5.243	4.485
17) 4,4'-DDT	8.201	9.076	14758942	12674572	6.432	5.017
18) Endrin Al...	8.403	9.195	16116018	13083092	5.708	4.522
19) Endosulfa...	8.704	9.385	14032724	11961356	4.751	4.034
20) Methoxychlor	8.542	9.556	7562519	7089165	6.974	5.696
21) Endrin Ke...	8.898	9.788	10451380	8022001	2.930	2.388
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:14
 Operator : MJB
 Sample : 0G17041-CAL4
 Misc : A20C179, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:13:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

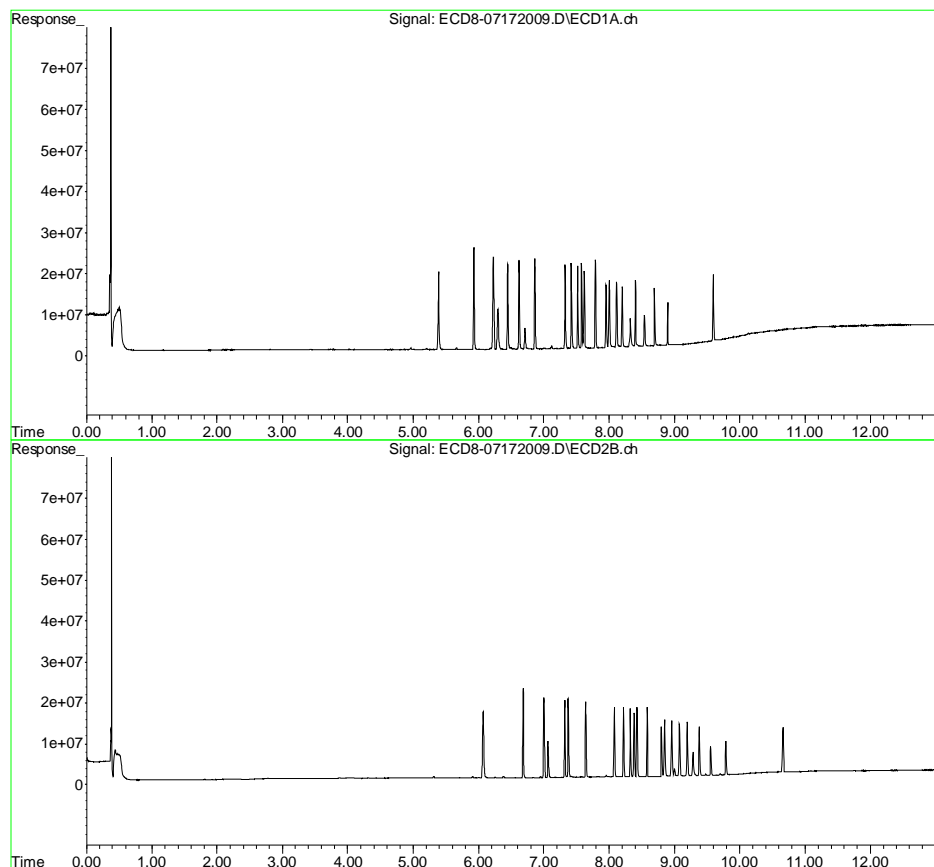
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 19:14
Operator : MJB
Sample : 0G17041-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:13:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:30
 Operator : MJB
 Sample : 0G17041-CAL5
 Misc : A20C180, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:14:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.391	6.079	37661455	32621298	10.326	9.189
22) S DCBP (S)	9.595	10.659	31430664	20775475	10.902	8.866
Target Compounds						
2) a-BHC	5.933	6.685	48977633	44713321	10.051	9.381
3) g-BHC	6.218	7.004	43374144	39454629	10.157	9.242
4) b-BHC	6.297	7.067	19492517	17356070	10.811	9.495
5) Heptachlor	6.626	7.378	41625810	38272594	10.528	9.032
6) d-BHC	6.447	7.323	41540851	38718065	11.970	10.287
7) Aldrin	6.866	7.644	44212633	37476911	10.254	9.345
8) Heptachlo...	7.328	8.082	39973725	33720987	10.115	8.957
9) trans-Chl...	7.423	8.222	40751734	33914453	10.128	8.883
10) cis-Chlor...	7.520	8.329	39531751	33601845	10.636	9.019
11) Endosulfa...	7.617	8.382	37534040	30536439	10.197	9.002
12) 4,4'-DDE	7.581	8.432	40945008	35038068	11.172	10.421
13) Dieldrin	7.789	8.582	41629628	34744561	10.313	9.012
14) Endrin	7.954	8.810	30876148	24238440	9.150	8.199
15) 4,4'-DDD	8.003	8.849	33565883	28753995	11.764	10.729
16) Endosulfa...	8.114	8.959	32181724	27159286	10.576	8.982
17) 4,4'-DDT	8.201	9.076	30940885	25909625	13.319	10.184
18) Endrin Al...	8.403	9.195	31735764	25407176	11.404	8.781
19) Endosulfa...	8.704	9.385	29751499	23878379	10.074	8.053
20) Methoxychlor	8.542	9.556	14083584	13377151	12.982	10.791
21) Endrin Ke...	8.898	9.788	21133320	17024410	5.925	5.069
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:30
 Operator : MJB
 Sample : 0G17041-CAL5
 Misc : A20C180, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:14:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

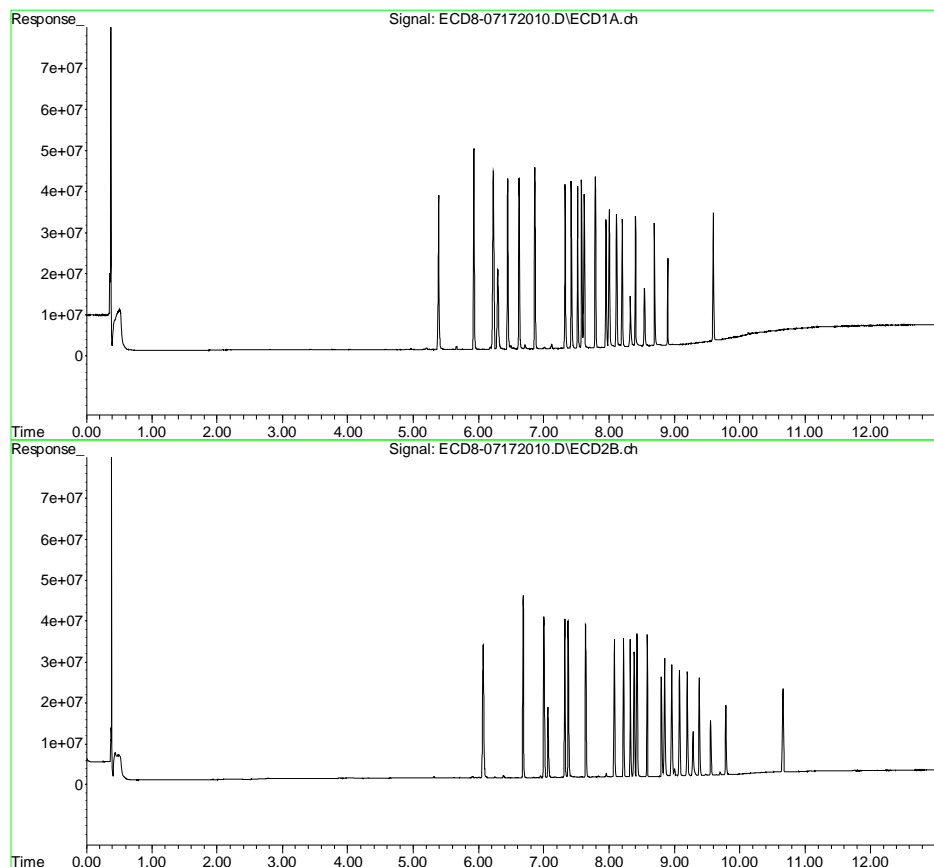
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 19:30
Operator : MJB
Sample : 0G17041-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:14:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:47
 Operator : MJB
 Sample : 0G17041-CAL6
 Misc : A20C181, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:14:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.391	6.079	89211130	84839275	24.460	23.898
22) S DCBP (S)	9.594	10.660	73612216	50113347	25.736	21.426
Target Compounds						
2) a-BHC	5.932	6.686	123.3E6	116.2E6	25.304	24.389
3) g-BHC	6.217	7.004	108.9E6	103.1E6	25.490	24.142
4) b-BHC	6.295	7.066	47753857	43057885	26.485	23.557
5) Heptachlor	6.625	7.378	106.1E6	101.5E6	26.838	23.960
6) d-BHC	6.446	7.322	103.2E6	99905439	28.850	25.811
7) Aldrin	6.865	7.644	106.1E6	97238534	24.610	24.248
8) Heptachlo...	7.327	8.082	96633150	85517085	24.452	22.715
9) trans-Chl...	7.422	8.222	100.3E6	86073442	24.927	22.544
10) cis-Chlor...	7.519	8.328	96315715	84003221	25.932	22.547
11) Endosulfa...	7.616	8.381	88828375	78073443	24.131	23.016
12) 4,4'-DDE	7.580	8.431	101.6E6	89875572	27.731	26.022
13) Dieldrin	7.788	8.582	101.8E6	89378150	25.226	23.182
14) Endrin	7.953	8.810	74705441	65935392	22.138	22.303
15) 4,4'-DDD	8.002	8.848	81479433	73570318	28.557	26.643
16) Endosulfa...	8.112	8.958	78180702	68170658	25.694	22.544
17) 4,4'-DDT	8.200	9.076	77234425	72132824	32.216	27.431
18) Endrin Al...	8.401	9.194	74485882	63589507	26.854	21.978
19) Endosulfa...	8.703	9.385	71357653	61962840	24.162	20.897
20) Methoxychlor	8.541	9.556	37317871	35103449	33.506	27.760
21) Endrin Ke...	8.897	9.788	56008072	43829907	15.703	13.049
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 19:47
 Operator : MJB
 Sample : 0G17041-CAL6
 Misc : A20C181, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:14:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

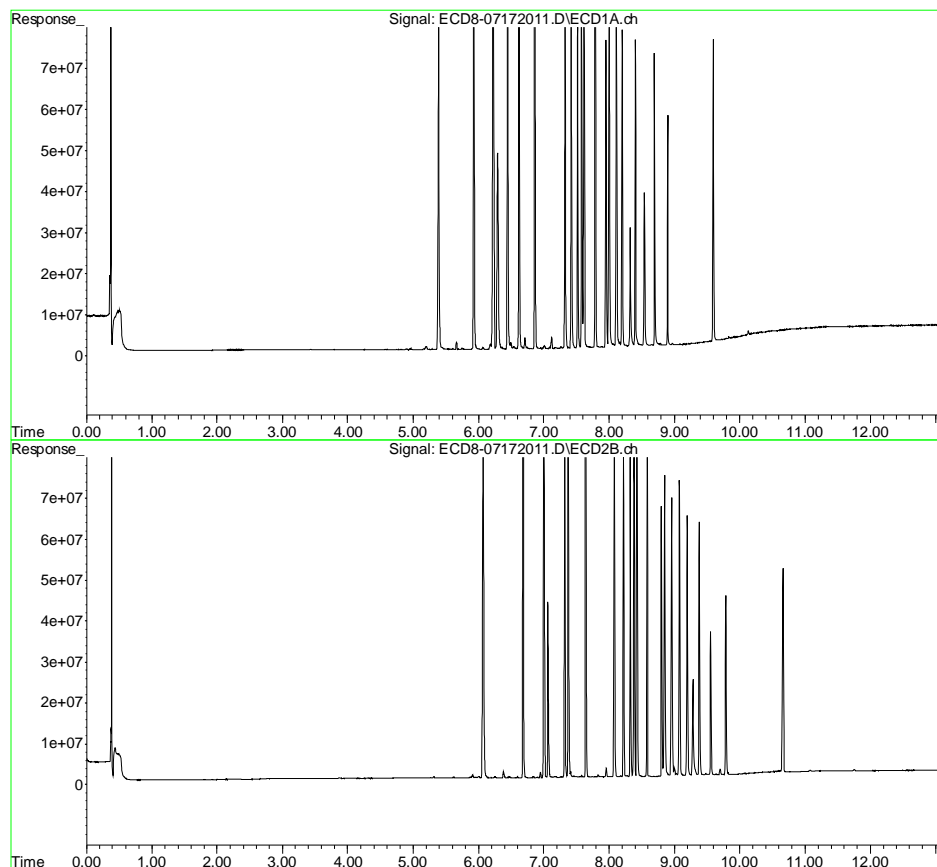
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 19:47
Operator : MJB
Sample : 0G17041-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:14:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:03
 Operator : MJB
 Sample : 0G17041-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:09:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.391	6.079	183.6E6	183.6E6	50.334	51.706
22)	S DCBP (S)	9.595	10.659	150.4E6	110.4E6	52.504	46.420
Target Compounds							
2)	a-BHC	5.932	6.685	262.7E6	263.2E6	53.908	55.228
3)	g-BHC	6.217	7.003	227.3E6	227.4E6	53.232	53.268
4)	b-BHC	6.295	7.065	94623167	93322988	52.479	51.056
5)	Heptachlor	6.625	7.378	221.5E6	227.5E6	56.030	53.686
6)	d-BHC	6.446	7.322	215.8E6	222.9E6	57.511	54.906
7)	Aldrin	6.866	7.644	222.1E6	208.1E6	51.508	51.890
8)	Heptachlo...	7.327	8.082	205.1E6	188.7E6	51.891	50.135
9)	trans-Chl...	7.422	8.221	210.7E6	196.0E6	52.363	51.340
10)	cis-Chlor...	7.518	8.328	202.4E6	184.2E6	53.682	49.447
11)	Endosulfa...	7.616	8.380	190.7E6	172.1E6	51.803	50.722
12)	4,4'-DDE	7.581	8.431	211.1E6	199.4E6	57.592	55.048
13)	Dieldrin	7.787	8.581	222.8E6	201.4E6	55.206	52.237
14)	Endrin	7.952	8.809	154.2E6	145.6E6	45.693	49.265
15)	4,4'-DDD	8.002	8.848	170.1E6	170.2E6	59.622	58.149
16)	Endosulfa...	8.111	8.957	165.9E6	156.4E6	54.532	51.734
17)	4,4'-DDT	8.199	9.075	167.8E6	159.3E6	66.337	57.199
18)	Endrin Al...	8.400	9.193	157.3E6	139.4E6	56.207	48.181
19)	Endosulfa...	8.702	9.384	149.9E6	139.6E6	50.739	47.081
20)	Methoxychlor	8.541	9.555	77457302	78307583	66.260	59.040
21)	Endrin Ke...	8.896	9.787	122.1E6	97552598	34.225	29.044
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:03
 Operator : MJB
 Sample : 0G17041-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:09:35 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Wed Jun 17 08:38:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

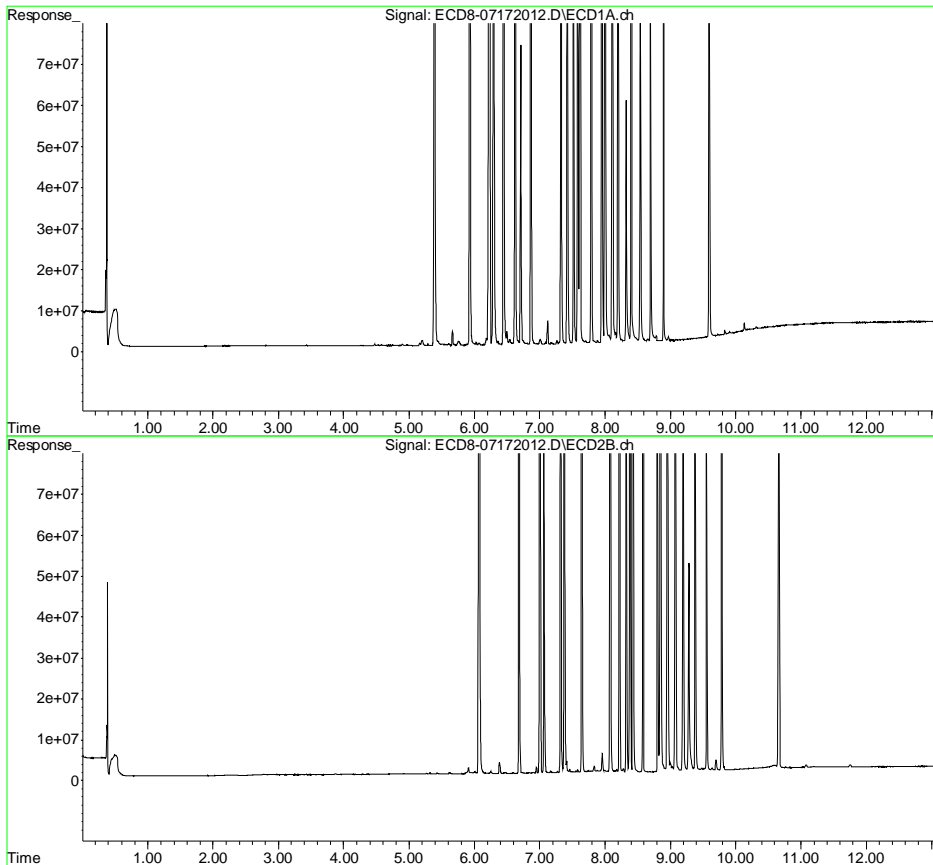
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 20:03
Operator : MJB
Sample : 0G17041-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:09:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:20
 Operator : MJB
 Sample : 0G17041-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:16:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.390	6.079	372.4E6	365.1E6	102.105	102.831
22)	S DCBP (S)	9.594	10.659	302.8E6	226.5E6	104.744	91.839
Target Compounds							
2)	a-BHC	5.932	6.684	510.2E6	525.0E6	104.690	110.142
3)	g-BHC	6.216	7.003	452.0E6	451.5E6	105.834	105.750
4)	b-BHC	6.293	7.065	195.8E6	186.2E6	108.565	101.893
5)	Heptachlor	6.625	7.377	433.1E6	445.2E6	109.551	105.066
6)	d-BHC	6.444	7.321	428.6E6	441.0E6	105.929	101.243
7)	Aldrin	6.865	7.644	442.0E6	431.4E6	102.504	107.574
8)	Heptachlo...	7.325	8.081	392.0E6	394.4E6	99.194	104.763
9)	trans-Chl...	7.420	8.220	408.8E6	403.1E6	101.596	105.587
10)	cis-Chlor...	7.516	8.327	391.8E6	380.2E6	100.880	102.050
11)	Endosulfa...	7.614	8.380	373.2E6	359.5E6	101.391	105.978
12)	4,4'-DDE	7.580	8.431	419.0E6	419.3E6	114.313	106.868
13)	Dieldrin	7.786	8.580	423.5E6	396.5E6	104.913	102.833
14)	Endrin	7.951	8.809	312.0E6	285.3E6	92.463	96.515
15)	4,4'-DDD	8.000	8.847	342.6E6	351.0E6	120.076	109.628
16)	Endosulfa...	8.109	8.957	325.0E6	313.1E6	106.794	103.550
17)	4,4'-DDT	8.198	9.075	317.5E6	324.7E6	116.529	106.610
18)	Endrin Al...	8.399	9.194	297.1E6	286.0E6	104.237	98.841
19)	Endosulfa...	8.701	9.384	295.3E6	287.9E6	99.989	97.082
20)	Methoxychlor	8.540	9.555	151.2E6	155.4E6	119.791	108.775
21)	Endrin Ke...	8.895	9.787	233.5E6	207.3E6	65.462	61.707
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:20
 Operator : MJB
 Sample : 0G17041-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:16:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

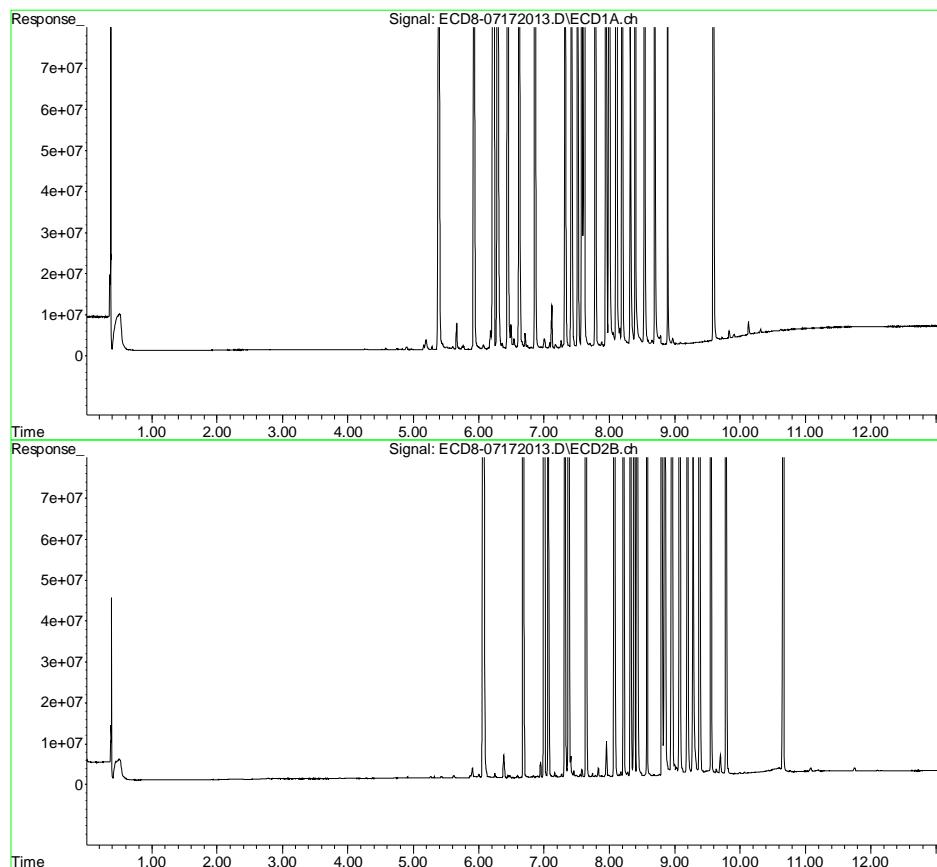
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 20:20
Operator : MJB
Sample : 0G17041-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:16:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:37
 Operator : MJB
 Sample : 0G17041-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:17:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.390	6.079	749.2E6	799.8E6	205.431	225.301
22)	S DCBP (S)	9.593	10.659	617.8E6	485.2E6	209.270	183.028
Target Compounds							
2)	a-BHC	5.931	6.684	1056.6E6	1120.2E6	216.817	235.025
3)	g-BHC	6.215	7.003	928.1E6	1024.2E6	217.314	239.916
4)	b-BHC	6.292	7.064	382.8E6	393.1E6	212.331	215.057
5)	Heptachlor	6.624	7.377	871.0E6	966.2E6	220.306	228.013
6)	d-BHC	6.443	7.321	875.5E6	966.5E6	191.802	195.046
7)	Aldrin	6.864	7.643	885.2E6	929.8E6	205.294	231.858
8)	Heptachlo...	7.324	8.080	789.0E6	840.5E6	199.651	223.263
9)	trans-Chl...	7.419	8.219	826.3E6	850.1E6	205.378	222.654
10)	cis-Chlor...	7.515	8.327	797.8E6	796.0E6	193.748	213.636
11)	Endosulfa...	7.614	8.378	757.4E6	768.4E6	205.757	226.535
12)	4,4'-DDE	7.578	8.430	875.6E6	903.6E6	238.903	201.921
13)	Dieldrin	7.785	8.579	865.5E6	863.7E6	214.406	224.020
14)	Endrin	7.950	8.808	625.8E6	631.0E6	185.453	213.422
15)	4,4'-DDD	7.999	8.847	714.0E6	737.5E6	250.254	200.231
16)	Endosulfa...	8.108	8.955	665.2E6	675.6E6	218.629	223.414
17)	4,4'-DDT	8.197	9.074	675.9E6	713.1E6	216.989	201.133
18)	Endrin Al...	8.398	9.192	627.8E6	616.2E6	211.126	212.976
19)	Endosulfa...	8.700	9.383	614.3E6	612.6E6	208.012	206.595
20)	Methoxychlor	8.539	9.554	315.0E6	329.9E6	219.368	203.030
21)	Endrin Ke...	8.894	9.786	496.5E6	456.5E6	139.201	135.899
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 20:37
 Operator : MJB
 Sample : 0G17041-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:17:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

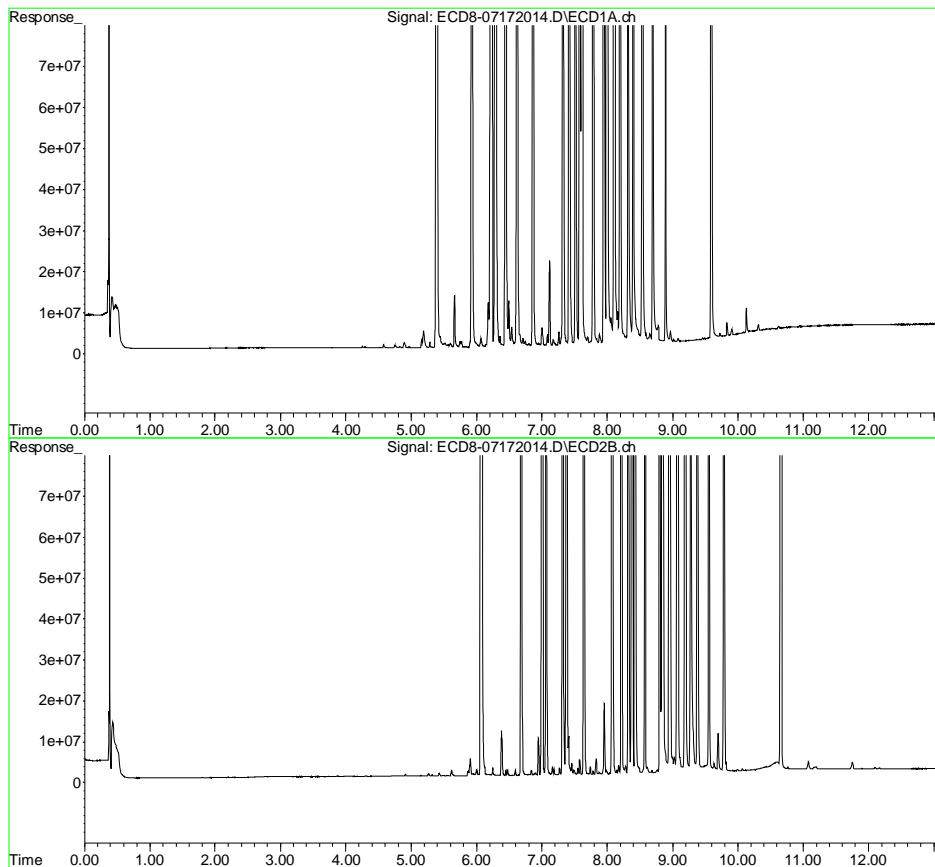
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 20:37
Operator : MJB
Sample : 0G17041-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:17:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:26
 Operator : MJB
 Sample : 0G17041-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:21:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.182	3.775	2442623	2610849	0.459	0.430
24) Hexachlor...	5.771	6.544	2520153	2355809	0.636	0.639
25) Oxychloro...	7.256	8.010	2279406	2071594	0.528	0.493
26) 2,4'-DDE	7.332	8.211	1697469	1531133	0.709	0.479 #
27) trans-Non...	7.511	8.283	2708442	2349402	0.504	0.466
28) 2,4'-DDD	7.704	8.583	1506066	1354404	0.608	0.652
29) 2,4'-DDT	7.885	8.809	1534728	1387580	0.672	0.582

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:26
 Operator : MJB
 Sample : 0G17041-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:21:19 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

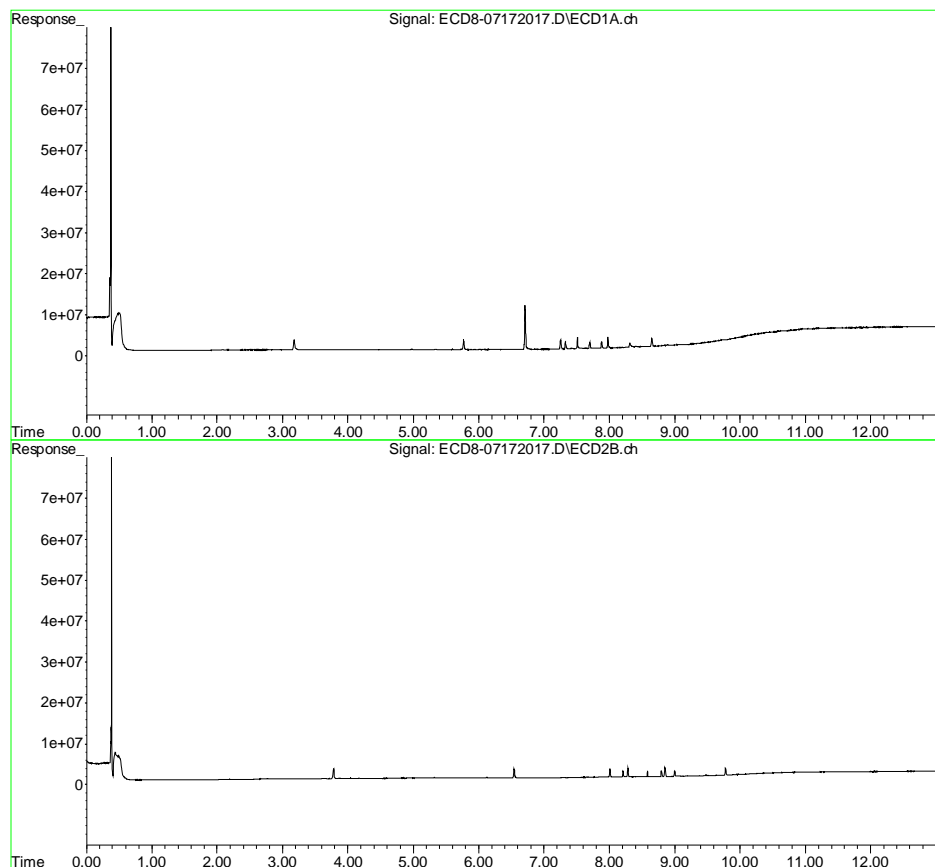
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.981	8.850	2710672	2337639	0.659	0.585
31)	Mirex	8.647	9.779	1992597	1857129	0.496	0.545
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:26
Operator : MJB
Sample : 0G17041-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:21:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:43
 Operator : MJB
 Sample : 0G17041-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:31:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chlor...	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...	3.182	3.776	4669498	4887151	1.051	0.960
24) Hexachlor...	5.770	6.544	4691983	4319699	1.348	1.335
25) Oxychlorane	7.255	8.009	4346224	3816786	1.184	1.089
26) 2,4'-DDE	7.332	8.211	3231037	2813710	1.350	1.091
27) trans-Non...	7.511	8.283	4867111	4254521	1.135	1.052
28) 2,4'-DDD	7.704	8.584	2904094	2521607	1.359	1.213
29) 2,4'-DDT	7.886	8.809	3010061	2602143	1.486	1.239

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:43
 Operator : MJB
 Sample : 0G17041-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:31:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

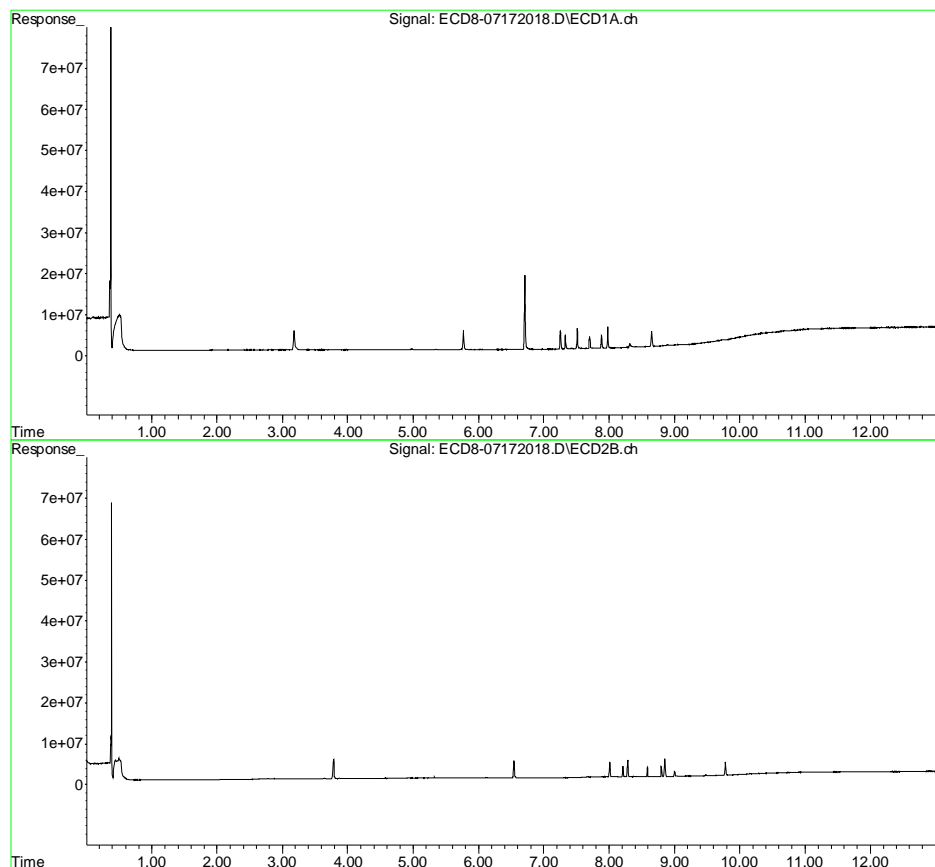
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.980	8.850	5147187	4492264	1.252	1.124
31)	Mirex	8.648	9.780	3681219	3252585	1.190	1.170
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:43
Operator : MJB
Sample : 0G17041-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:31:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:59
 Operator : MJB
 Sample : 0G17041-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:32:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.182	3.776	7600210	8092131	1.830	1.707
24) Hexachlor...	5.771	6.544	7697940	6965613	2.333	2.269
25) Oxychlorane	7.255	8.010	7240444	6165205	2.101	1.891
26) 2,4'-DDE	7.331	8.210	5373567	4622970	2.245	1.953
27) trans-Non...	7.510	8.283	8145922	6801997	2.092	1.834
28) 2,4'-DDD	7.703	8.583	4748095	4134571	2.348	1.989
29) 2,4'-DDT	7.885	8.809	4798715	4124073	2.471	2.061

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 21:59
 Operator : MJB
 Sample : 0G17041-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:32:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

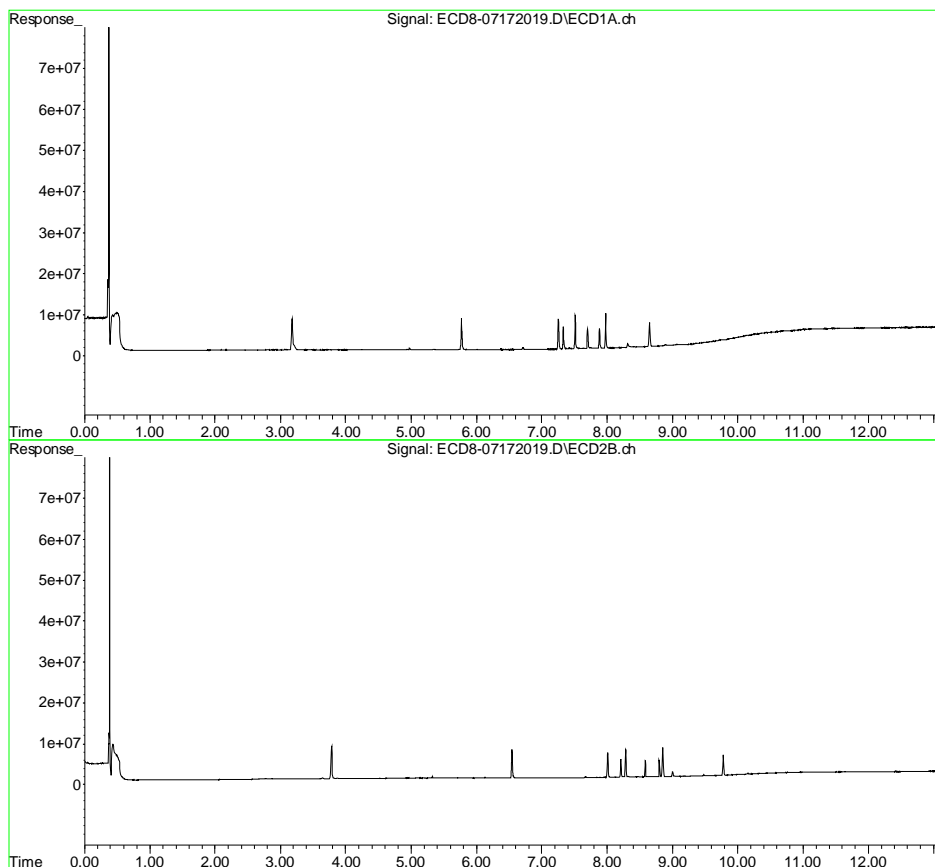
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.979	8.850	8564156	7162885	2.083	1.792
31)	Mirex	8.647	9.779	5794391	5097573	2.058	1.995
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 21:59
Operator : MJB
Sample : 0G17041-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:32:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:16
 Operator : MJB
 Sample : 0G17041-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

Vialing error. Standard not
 added to vial. Curve point not
 being used in calibration.

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:32:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	6.077	12150	8059	0.003	0.002 #
22) S DCBP (S)	0.000	10.680f	0	389879	N.D.	BelowCal
Target Compounds						
2) a-BHC	0.000	6.689	0	16182	N.D.	0.003 #
3) g-BHC	0.000	7.002	0	11887	N.D.	0.003 #
4) b-BHC	6.314	7.055	12990	14239	0.007	0.008
5) Heptachlor	6.616	7.382	10647	15139	0.003	0.004 #
6) d-BHC	0.000	7.329	0	12605	N.D.	0.039 #
7) Aldrin	0.000	7.673f	0	12252	N.D.	0.003 #
8) Heptachlo...	7.313	8.085	12226	11353	0.003	0.003
9) trans-Chl...	7.421	8.248f	18576	135791	0.005	0.036 #
10) cis-Chlor...	7.547f	8.329	75785	25067	BelowCal	0.007
11) Endosulfa...	7.600	8.383	16682	16367	0.005	0.005
12) 4,4'-DDE	7.587	0.000	32153	0	0.009	N.D. #
13) Dieldrin	7.795	8.584	17242	13272	0.004	0.003
14) Endrin	7.946	0.000	7466	0	0.002	N.D. #
15) 4,4'-DDD	8.005	8.856	14989	15350	0.005	BelowCal #
16) Endosulfa...	8.126	8.930f	15472	12959	0.005	0.004
17) 4,4'-DDT	8.208	0.000	14703	0	0.016	N.D. #
18) Endrin Al...	8.409	9.199	102445	59874	BelowCal	0.021
19) Endosulfa...	8.716	0.000	14604	0	0.005	N.D. #
20) Methoxychlor	8.545	9.517f	26593	90239	BelowCal	BelowCal
21) Endrin Ke...	8.883	0.000	14716	0	0.004	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.775	6.556	14406	10052	BelowCal	BelowCal
25) Oxychlor dane	7.242	0.000	14850	0	BelowCal	N.D.
26) 2,4'-DDE	7.313	8.248f	12226	135791	0.005	BelowCal #
27) trans-Non...	7.482f	8.248f	19304	135791	BelowCal	BelowCal
28) 2,4'-DDD	7.706	8.584	14665	13272	BelowCal	0.006
29) 2,4'-DDT	7.882	0.000	7929	0	BelowCal	N.D.

ECD8_QUANTPEST_200717.M Mon Jul 20 13:10:17 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:16
 Operator : MJB
 Sample : 0G17041-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:32:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

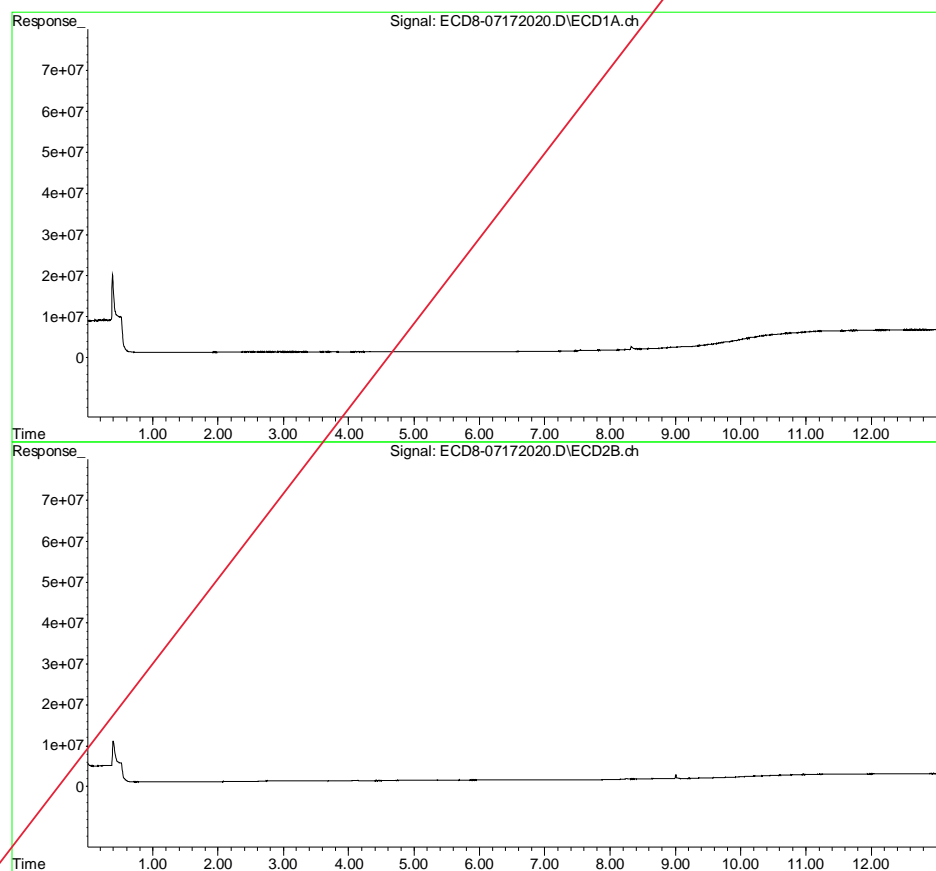
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.946f	8.856	7466	15350	0.002	0.004 #
31)	Mirex	8.663f	0.000	11537	0	BelowCal	N.D.
32)	Chlordane...	7.231f	7.892	16032	7990	0.039	0.018 #
33)	Chlordane...	7.305	7.963f	11535	8435	0.022	0.023
34)	Chlordane...	7.851	8.677	16386	8724	0.127	0.073 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.267	8.248f	10588	135791	BelowCal	4.138
37)	Toxaphene...	7.574	8.584	45749	13272	175390.690	0.312 #
38)	Toxaphene...	7.882	8.603	7929	11242	0.109	0.178 #
39)	Toxaphene...	8.126	8.677	15472	8724	BelowCal	BelowCal
40)	Toxaphene...	8.327f	8.856	697114	15350	13.384	0.261 #
41)	Toxaphene...	8.423	9.257f	70457	53802	0.955	0.837
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 22:16
Operator : MJB
Sample : 0G17041-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:32:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:32
 Operator : MJB
 Sample : 0G17041-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:32:58 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.181	3.775	35332963	36721685	9.198	8.355
24)	Hexachlor...	5.770	6.543	35566930	32135008	11.406	11.018
25)	Oxychlorane	7.254	8.008	34117780	28358916	10.592	9.420
26)	2,4'-DDE	7.329	8.209	25047340	21378162	10.465	9.834
27)	trans-Non...	7.509	8.282	37992011	31448820	10.766	9.356
28)	2,4'-DDD	7.702	8.582	21529553	18968821	11.275	9.127
29)	2,4'-DDT	7.884	8.808	21949604	19241110	11.806	10.083

ECD8_QUANTPEST_200717.M Mon Jul 20 13:10:21 2020

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:32
 Operator : MJB
 Sample : 0G17041-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:32:58 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

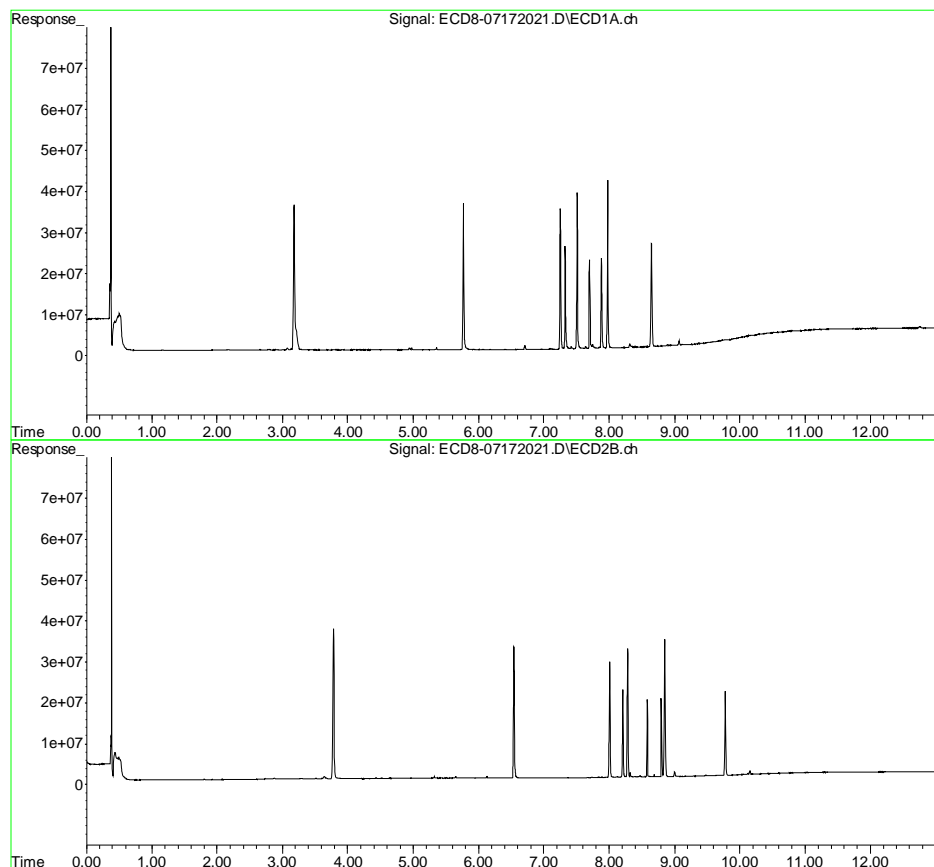
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.979	8.848	40773567	33695186	9.916	8.430
31)	Mirex	8.645	9.777	25109324	20625560	9.985	8.919
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 22:32
Operator : MJB
Sample : 0G17041-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:32:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:49
 Operator : MJB
 Sample : 0G17041-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:33:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.180	3.774	86399539	96249551	22.760	22.059
24) Hexachlor...	5.769	6.543	88215529	86514647	28.259	29.139
25) Oxychlorane	7.251	8.007	84788230	75349040	26.456	25.090
26) 2,4'-DDE	7.328	8.208	65289340	57066516	27.280	26.073
27) trans-Non...	7.507	8.281	93419999	82371686	26.699	24.641
28) 2,4'-DDD	7.700	8.581	55721395	50483218	29.081	24.290
29) 2,4'-DDT	7.883	8.807	59390486	52666887	31.547	27.020

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 22:49
 Operator : MJB
 Sample : 0G17041-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:33:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

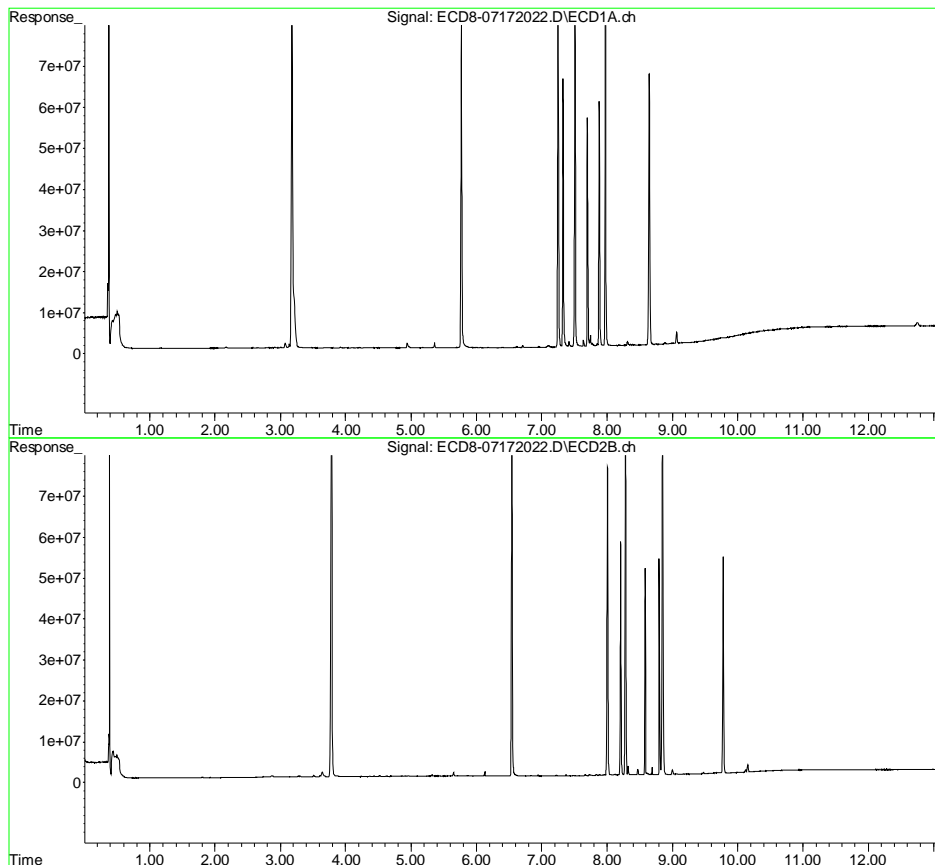
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.978	8.848	100.5E6	90269361	24.453	22.585
31)	Mirex	8.643	9.778	66062632	52976993	26.744	23.209
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	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 > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 22:49
Operator : MJB
Sample : 0G17041-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:33:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:05
 Operator : MJB
 Sample : 0G17041-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:20:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.181	3.775	183.5E6	211.0E6	48.531	48.042
24) Hexachlor...	5.768	6.543	188.0E6	188.3E6	59.255	60.649
25) Oxychlorane	7.248	8.006	180.6E6	162.3E6	55.973	53.199
26) 2,4'-DDE	7.325	8.208	136.0E6	128.0E6	56.831	56.430
27) trans-Non...	7.505	8.280	199.5E6	181.3E6	56.589	53.414
28) 2,4'-DDD	7.697	8.581	121.4E6	110.3E6	61.954	53.085
29) 2,4'-DDT	7.880	8.806	130.0E6	124.0E6	66.715	60.146

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:05
 Operator : MJB
 Sample : 0G17041-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:20:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:10:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

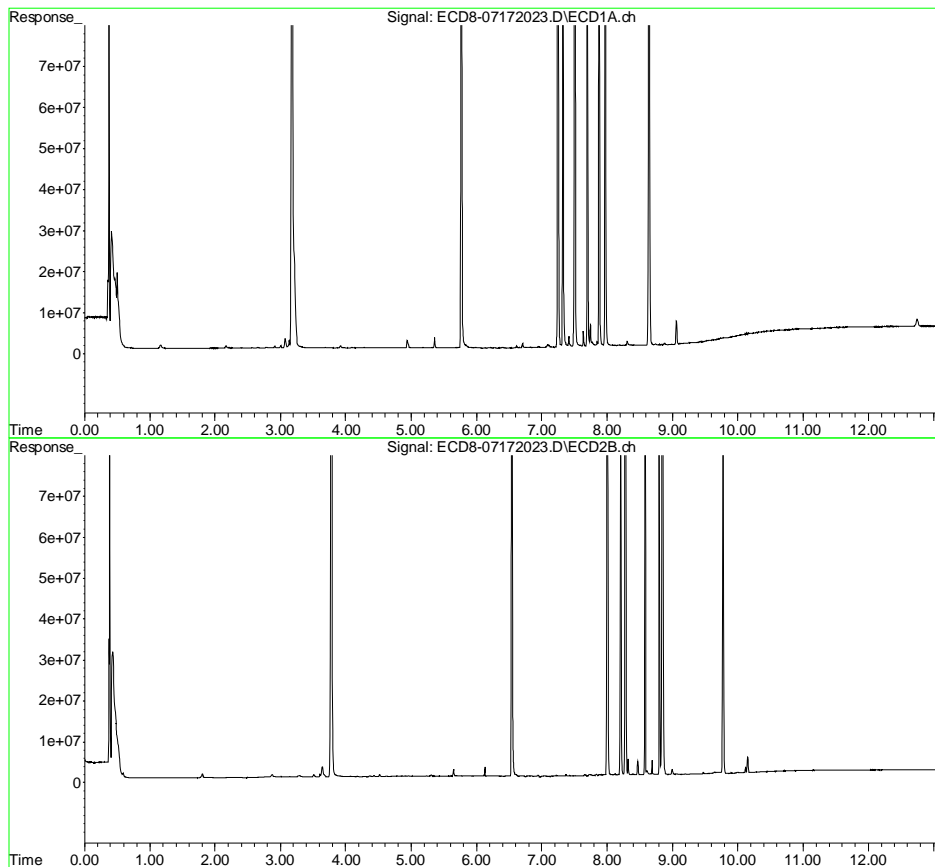
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.975	8.847	217.3E6	205.3E6	52.847	51.361
31)	Mirex	8.641	9.776	140.0E6	118.4E6	56.847	51.572
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 23:05
Operator : MJB
Sample : 0G17041-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:20:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:10:31 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:22
 Operator : MJB
 Sample : 0G17041-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:34:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.182	3.776	299.3E6	352.3E6	79.207	79.301
24)	Hexachlor...	5.769	6.543	346.8E6	354.3E6	106.273	106.895
25)	Oxychlorane	7.250	8.007	321.9E6	301.9E6	98.370	96.123
26)	2,4'-DDE	7.326	8.208	252.6E6	249.1E6	105.542	103.589
27)	trans-Non...	7.505	8.281	356.0E6	346.6E6	99.306	99.134
28)	2,4'-DDD	7.698	8.581	218.7E6	218.1E6	107.957	104.959
29)	2,4'-DDT	7.880	8.806	224.7E6	217.7E6	110.334	99.061

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:22
 Operator : MJB
 Sample : 0G17041-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:34:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

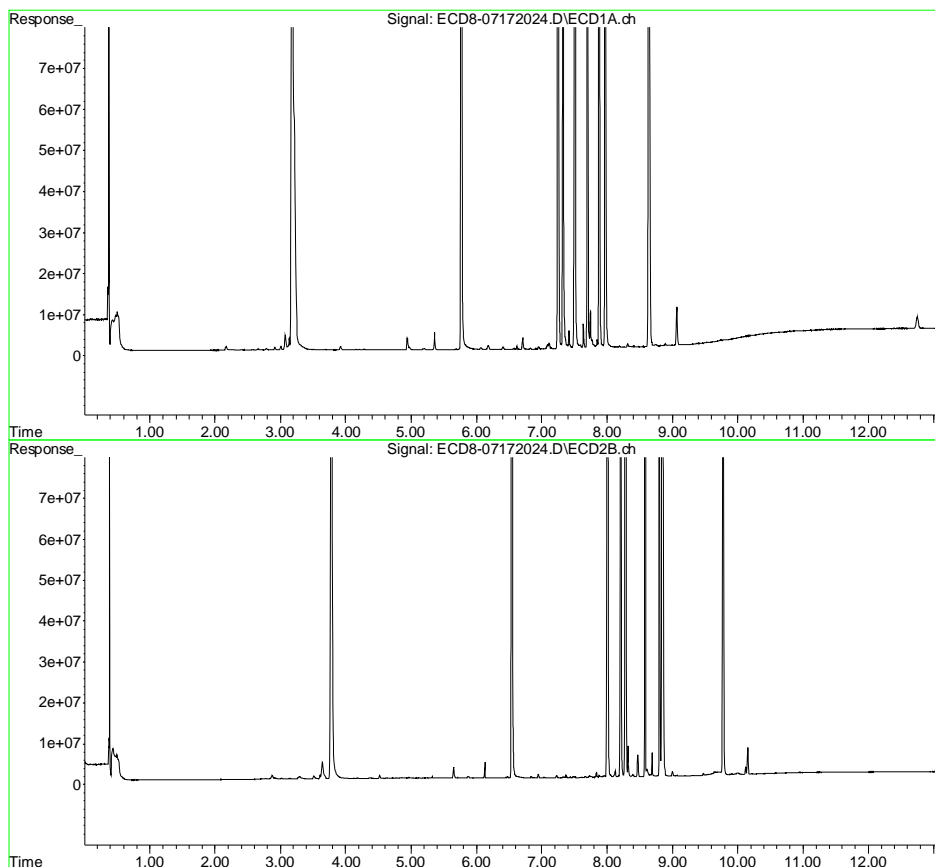
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.975	8.847	390.0E6	388.4E6	94.851	97.182
31)	Mirex	8.642	9.776	247.1E6	214.9E6	100.017	92.192
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 23:22
Operator : MJB
Sample : 0G17041-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:34:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:38
 Operator : MJB
 Sample : 0G17041-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:34:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.180	3.775	737.3E6	929.9E6	194.935	199.750
24)	Hexachlor...	5.769	6.543	751.7E6	818.7E6	215.969	214.803
25)	Oxychlorane	7.250	8.007	695.4E6	712.2E6	204.929	210.183
26)	2,4'-DDE	7.326	8.208	544.0E6	553.7E6	227.302	204.840
27)	trans-Non...	7.504	8.280	771.1E6	792.9E6	205.918	210.829
28)	2,4'-DDD	7.698	8.581	465.0E6	490.5E6	213.001	235.994
29)	2,4'-DDT	7.880	8.806	501.2E6	517.9E6	221.568	201.960

ECD8_QUANTPEST_200717.M Mon Jul 20 13:10:37 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jul 2020 23:38
 Operator : MJB
 Sample : 0G17041-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:34:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:21:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

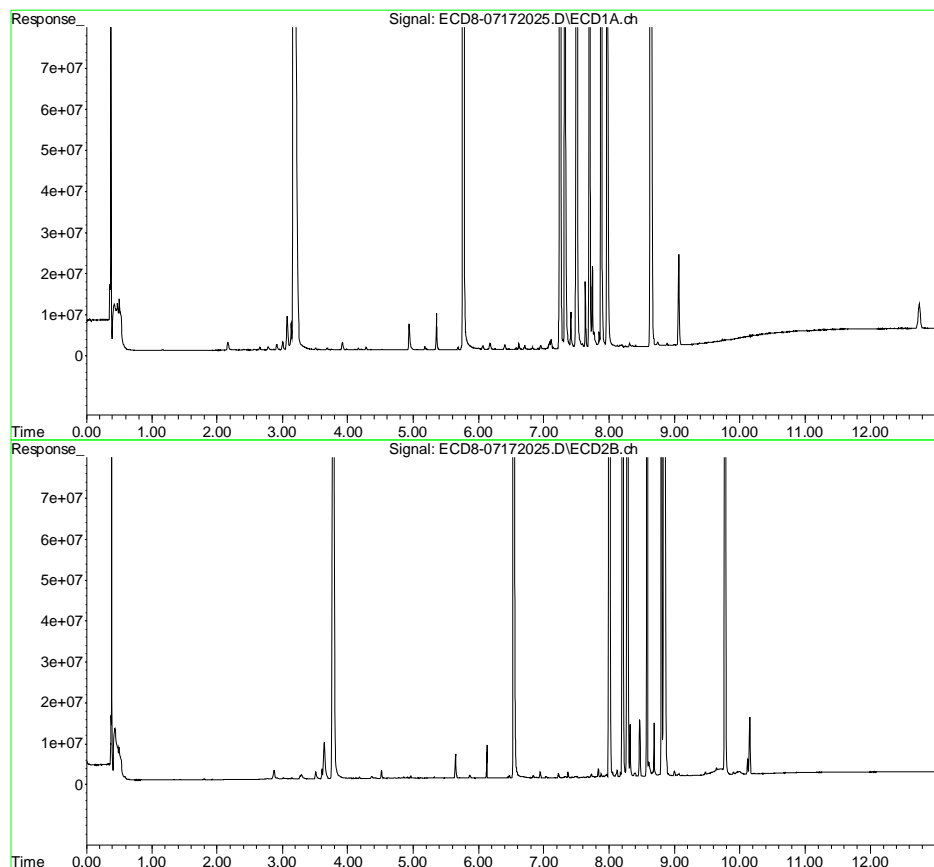
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.975	8.847	850.4E6	856.7E6	206.823	214.339
31)	Mirex	8.641	9.776	522.6E6	503.9E6	209.207	206.467
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2020 23:38
Operator : MJB
Sample : 0G17041-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:34:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:21:03 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:28
 Operator : MJB
 Sample : 0G17041-CALJ
 Misc : A20G271, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:37:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

ECD8_QUANTPEST_200717.M Mon Jul 20 13:10:41 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:28
 Operator : MJB
 Sample : 0G17041-CALJ
 Misc : A20G271, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:37:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

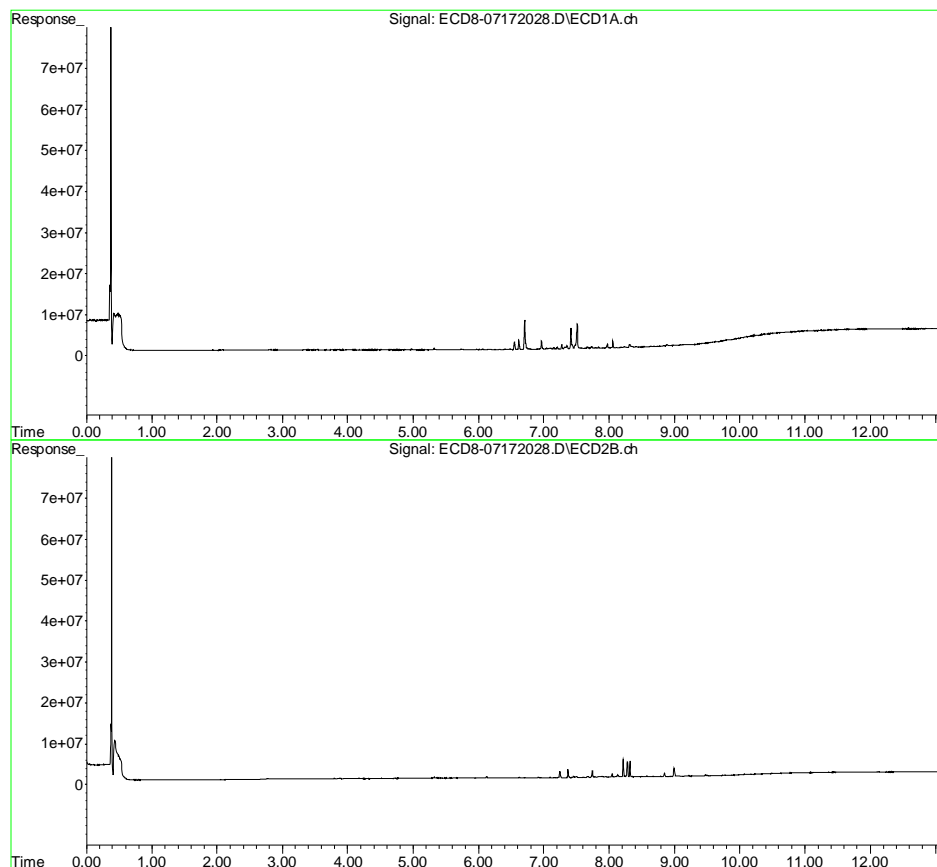
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.418	8.216	5115943	4529535	12.385	10.457
33)	Chlordane...	7.511	8.323	6021217	4030003	11.703	11.046
34)	Chlordane...	8.058	8.990	1709262	2118453	13.222	17.761 #
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 00:28
Operator : MJB
Sample : 0G17041-CALJ
Misc : A20G271, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:37:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:45
 Operator : MJB
 Sample : 0G17041-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:38:15 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) 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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 00:45
 Operator : MJB
 Sample : 0G17041-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:38:15 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

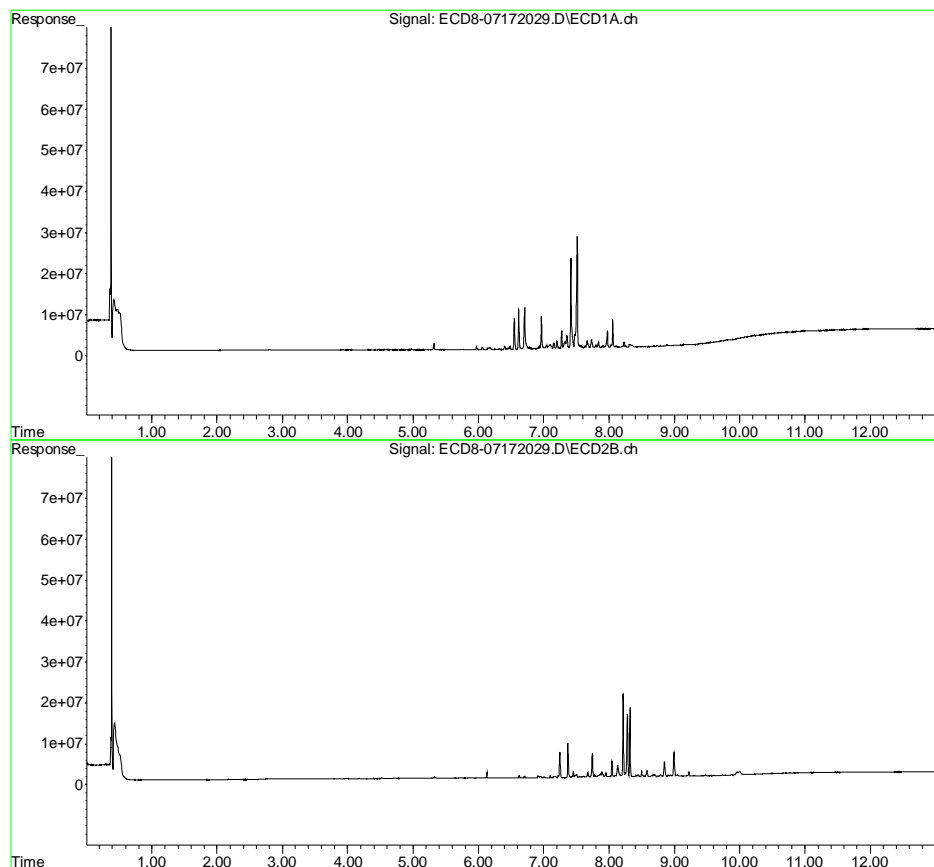
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.418	8.216	21933232	20236642	53.099	46.720
33)	Chlordane...	7.510	8.323	27287272	16860637	53.036	46.213
34)	Chlordane...	8.057	8.988	6922066	5973393	53.544	50.081
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 00:45
Operator : MJB
Sample : 0G17041-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:38:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:01
 Operator : MJB
 Sample : 0G17041-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:38:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) 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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:01
 Operator : MJB
 Sample : 0G17041-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:38:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

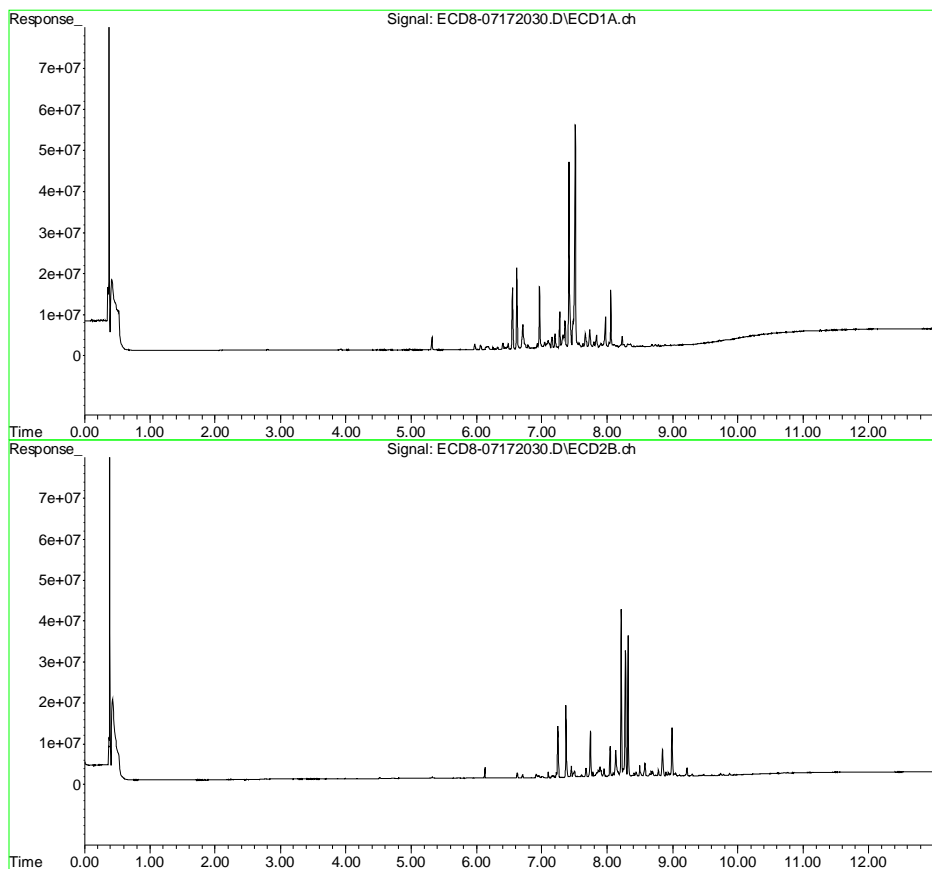
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.417	8.216	45334776	41073469	109.752	94.827
33)	Chlordane...	7.510	8.323	54515398	34505201	105.958	94.575
34)	Chlordane...	8.057	8.987	13977696	11775011	108.122	98.721
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:01
Operator : MJB
Sample : 0G17041-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:38:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:18
 Operator : MJB
 Sample : 0G17041-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:39:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) 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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:18
 Operator : MJB
 Sample : 0G17041-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:39:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

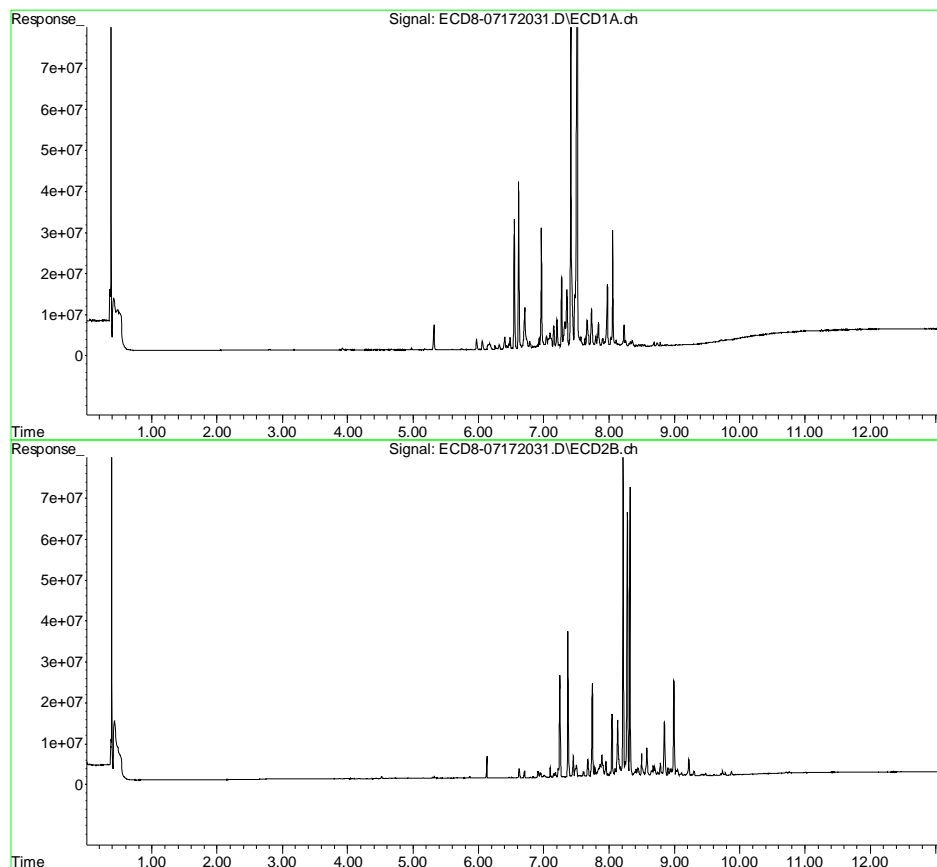
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.417	8.215	88984346	84764039	215.424	195.695
33)	Chlordane...	7.510	8.323	107.2E6	70570514	208.287	193.427
34)	Chlordane...	8.057	8.987	28546944	23414602	220.819	196.308
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:18
Operator : MJB
Sample : 0G17041-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:39:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:34
 Operator : MJB
 Sample : 0G17041-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:39:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) 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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:34
 Operator : MJB
 Sample : 0G17041-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:39:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

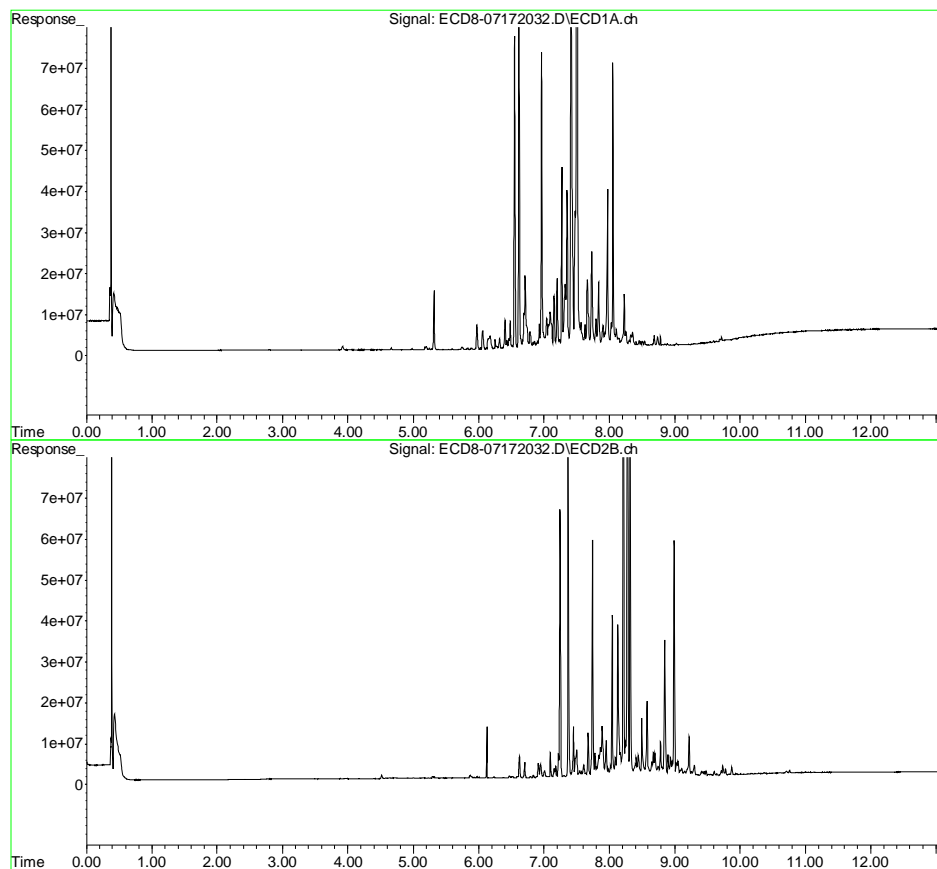
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.416	8.215	216.7E6	217.9E6	524.558	503.124
33)	Chlordane...	7.509	8.322	262.6E6	181.6E6	510.352	497.617
34)	Chlordane...	8.056	8.987	69089699	57328312	534.429	480.639
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:34
Operator : MJB
Sample : 0G17041-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:39:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:51
 Operator : MJB
 Sample : 0G17041-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:40:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) 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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 1:51
 Operator : MJB
 Sample : 0G17041-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:40:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

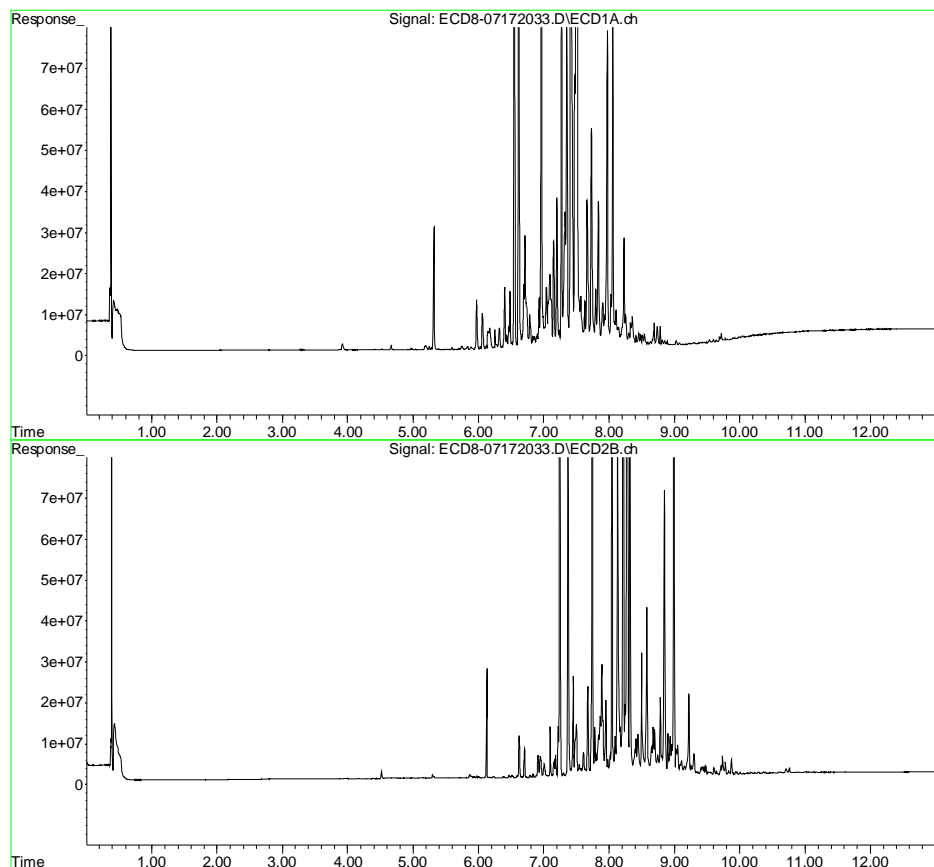
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.415	8.215	438.8E6	469.3E6	1062.268	1083.566
33)	Chlordane...	7.508	8.322	549.2E6	393.9E6	1067.473	1079.670
34)	Chlordane...	8.056	8.987	145.4E6	123.9E6	1124.906	1038.470
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 1:51
Operator : MJB
Sample : 0G17041-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:40:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:07
 Operator : MJB
 Sample : 0G17041-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:40:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) 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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:07
 Operator : MJB
 Sample : 0G17041-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:40:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

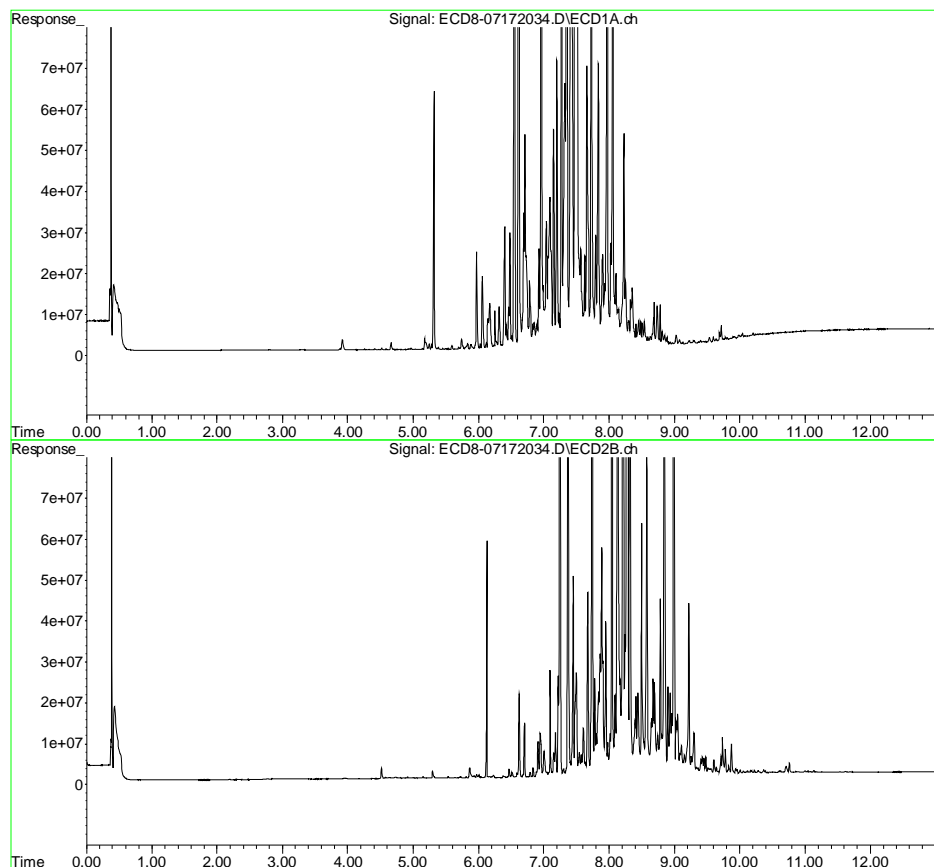
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.414	8.214	892.1E6	990.5E6	2159.811	2286.680
33)	Chlordane...	7.507	8.322	1096.4E6	820.9E6	2130.976	2250.099
34)	Chlordane...	8.055	8.987	279.6E6	255.3E6	2162.452	2140.528
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:07
Operator : MJB
Sample : 0G17041-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:40:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:57
 Operator : MJB
 Sample : 0G17041-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:43:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 2:57
 Operator : MJB
 Sample : 0G17041-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:43:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

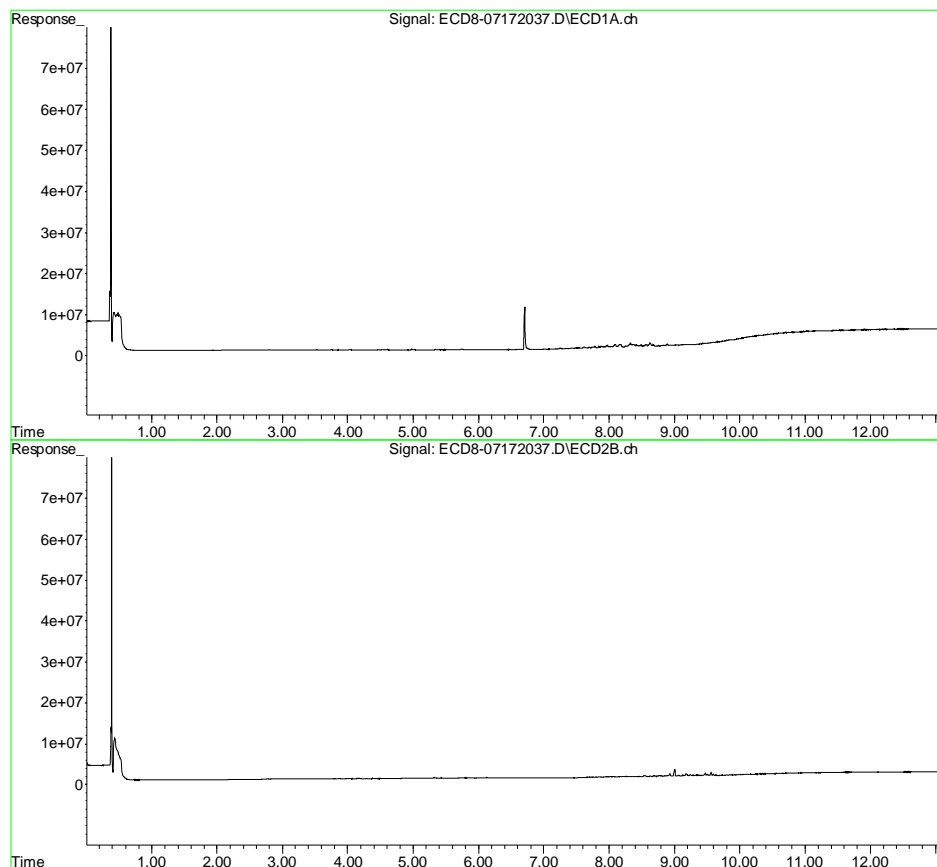
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.490	8.552	168184	335512	6.473	10.225 #
37)	Toxaphene...	7.783	8.899	425175	413915	9.814	9.720
38)	Toxaphene...	8.094	8.935	808329	723456	11.142	11.450
39)	Toxaphene...	8.333	8.999	997698	1563268	6.876	BelowCal #
40)	Toxaphene...	8.562	9.178	570568	645897	10.955	11.000
41)	Toxaphene...	8.631	9.561	869784	734974	11.786	11.440
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 2:57
Operator : MJB
Sample : 0G17041-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:43:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:43:11 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:13
 Operator : MJB
 Sample : 0G17041-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:44:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

ECD8_QUANTPEST_200717.M Mon Jul 20 13:11:13 2020

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:13
 Operator : MJB
 Sample : 0G17041-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:44:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

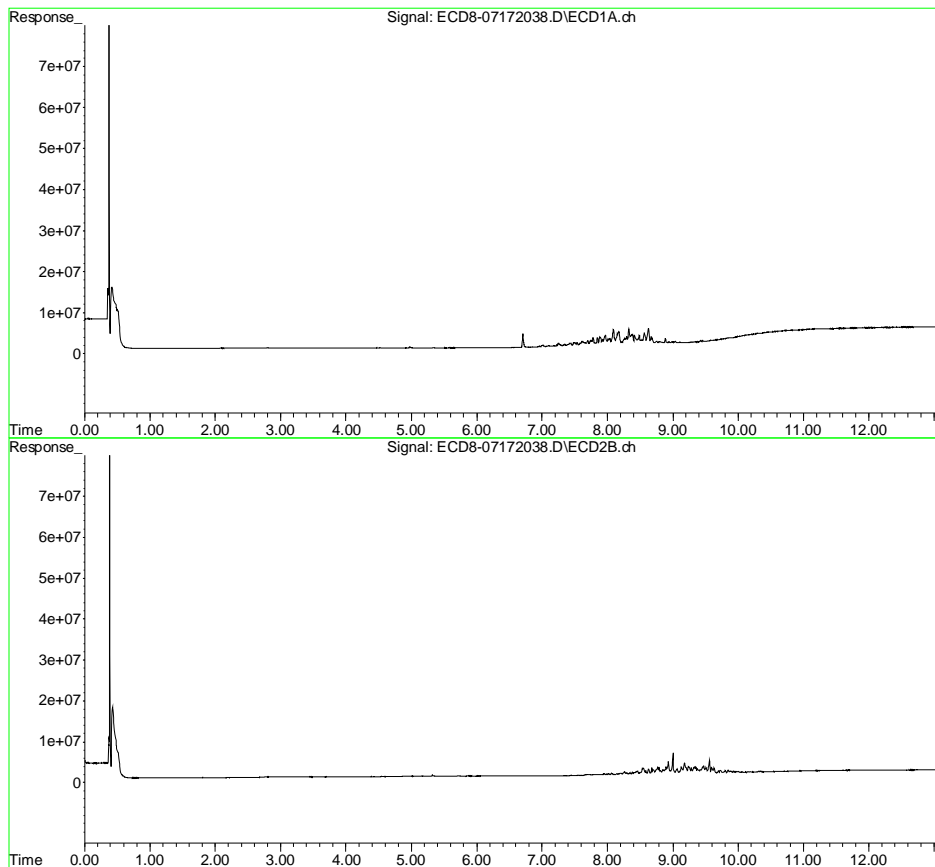
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.490	8.551	855942	1583081	50.078	48.244
37)	Toxaphene...	7.783	8.900	1738004	1974286	51.602	46.361
38)	Toxaphene...	8.094	8.935	3711254	3092409	51.157	48.941
39)	Toxaphene...	8.334	9.002	3700248	5159111	51.257	38.602
40)	Toxaphene...	8.561	9.178	2695138	2784741	51.746	47.428
41)	Toxaphene...	8.629	9.561	3727757	3145055	50.514	48.954
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 3:13
Operator : MJB
Sample : 0G17041-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:44:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:43:11 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:30
 Operator : MJB
 Sample : 0G17041-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:44:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:30
 Operator : MJB
 Sample : 0G17041-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:44:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

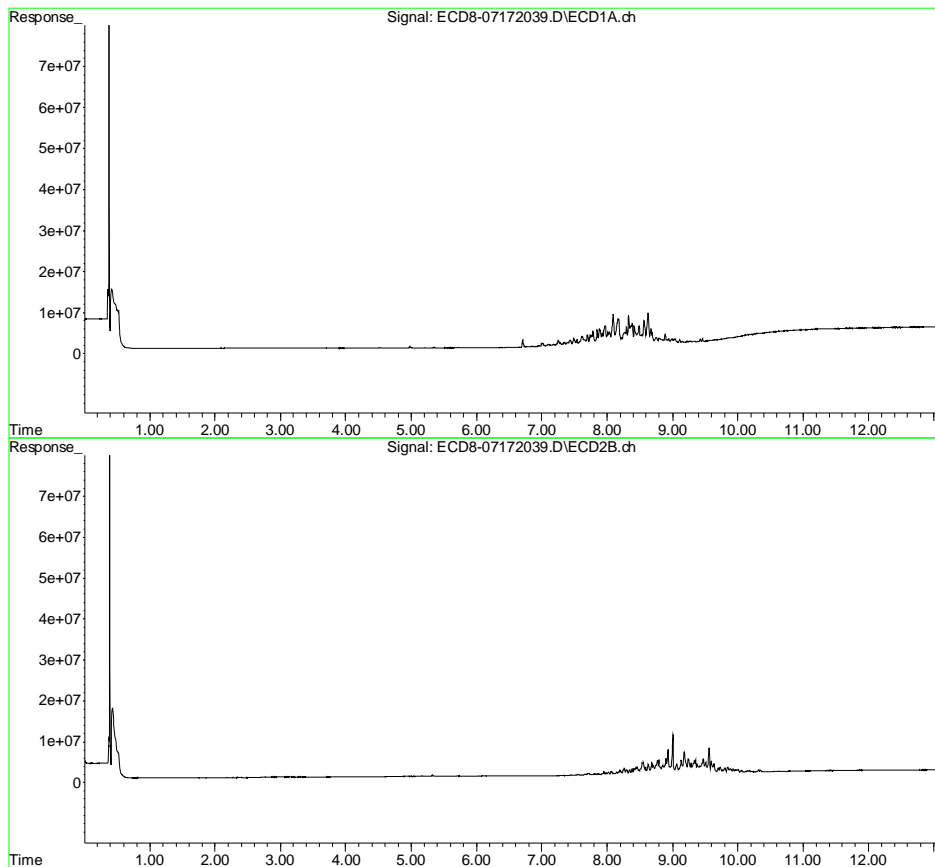
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.490	8.552	1712669	3003906	104.279	91.544
37)	Toxaphene...	7.782	8.898	3397116	3932330	104.441	92.341
38)	Toxaphene...	8.094	8.935	7343945	6129499	101.231	97.007
39)	Toxaphene...	8.334	9.002	6896854	9694013	103.390	88.090
40)	Toxaphene...	8.561	9.179	5572830	5437553	106.997	92.608
41)	Toxaphene...	8.629	9.560	7361756	6294054	99.758	97.968
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 3:30
Operator : MJB
Sample : 0G17041-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:44:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:43:11 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:46
 Operator : MJB
 Sample : 0G17041-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:45:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 3:46
 Operator : MJB
 Sample : 0G17041-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:45:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

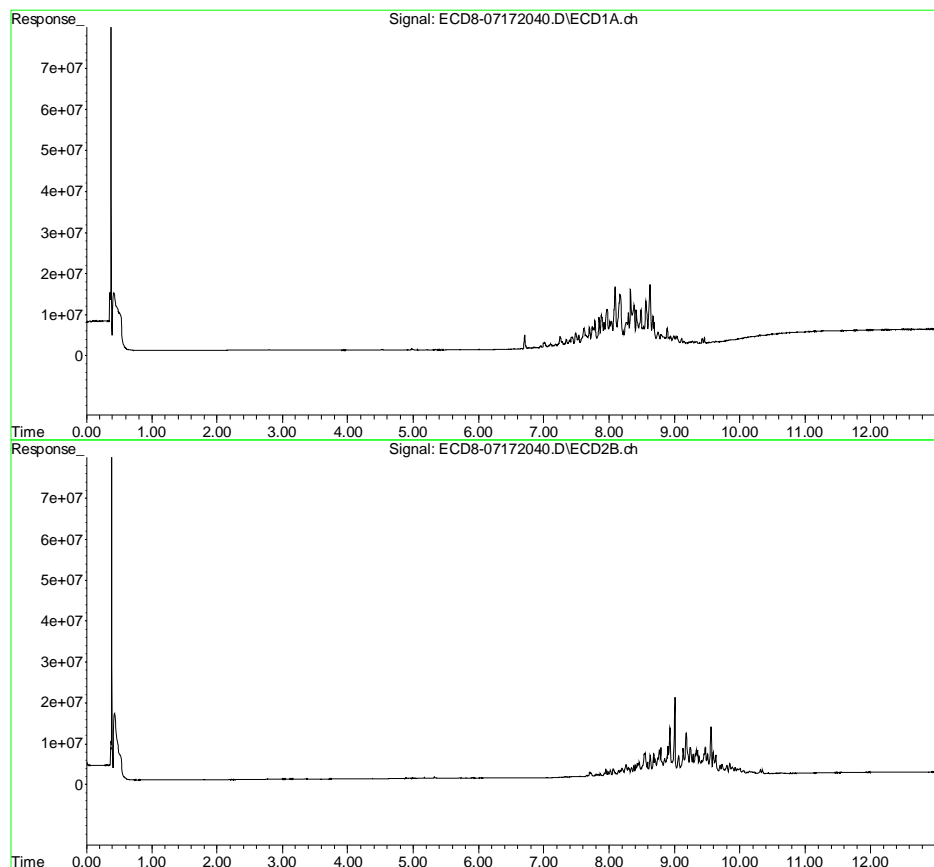
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.490	8.551	3430159	5816913	212.552	177.270
37)	Toxaphene...	7.781	8.899	6458181	7444456	202.013	174.815
38)	Toxaphene...	8.093	8.935	14476901	11772898	199.554	186.320
39)	Toxaphene...	8.334	9.002	13583543	19284549	211.214	190.549
40)	Toxaphene...	8.561	9.179	10740544	10508119	206.215	178.966
41)	Toxaphene...	8.629	9.561	14740876	11966817	199.751	186.266
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 3:46
Operator : MJB
Sample : 0G17041-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:45:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:43:11 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:03
 Operator : MJB
 Sample : 0G17041-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:42:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:03
 Operator : MJB
 Sample : 0G17041-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:42:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:37:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation

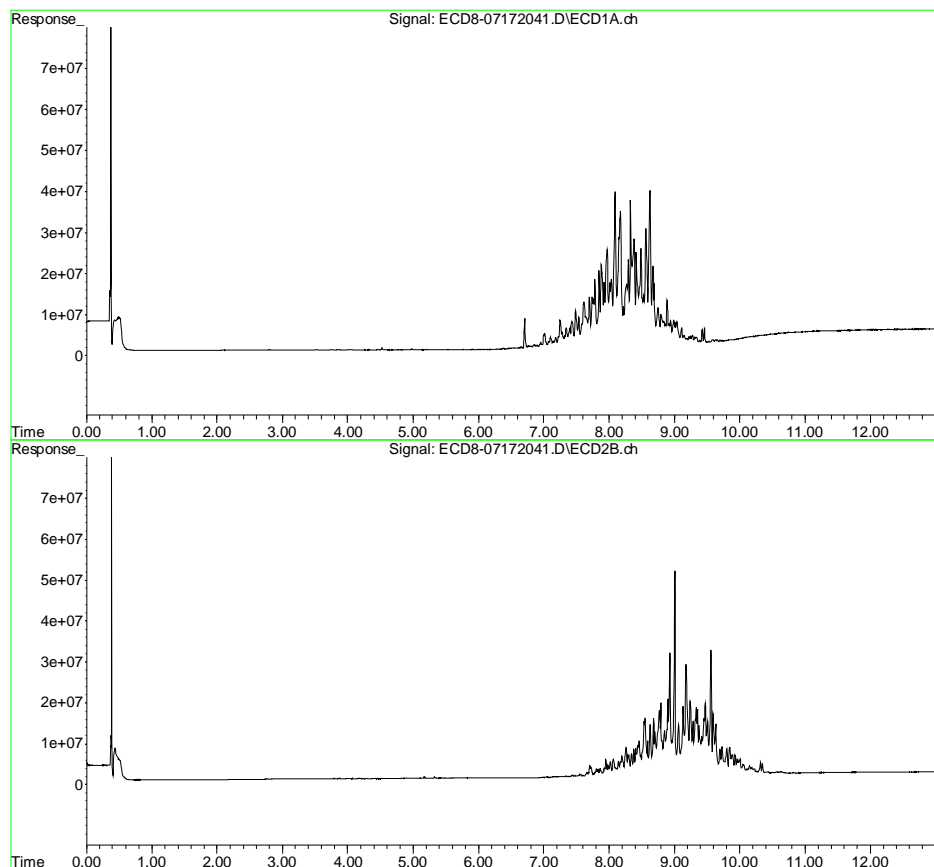
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.489	8.550	8796735	14204287	547.630	432.875
37)	Toxaphene...	7.782	8.898	16374887	18865554	518.861	443.012
38)	Toxaphene...	8.093	8.934	37356847	30086909	514.938	476.161
39)	Toxaphene...	8.333	9.001	35167753	50161527	548.675	502.540
40)	Toxaphene...	8.561	9.177	28126951	27180276	540.029	462.913
41)	Toxaphene...	8.629	9.560	37486003	30729756	507.965	478.316
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 4:03
Operator : MJB
Sample : 0G17041-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:42:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:37:26 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:19
 Operator : MJB
 Sample : 0G17041-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:45:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:19
 Operator : MJB
 Sample : 0G17041-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:45:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

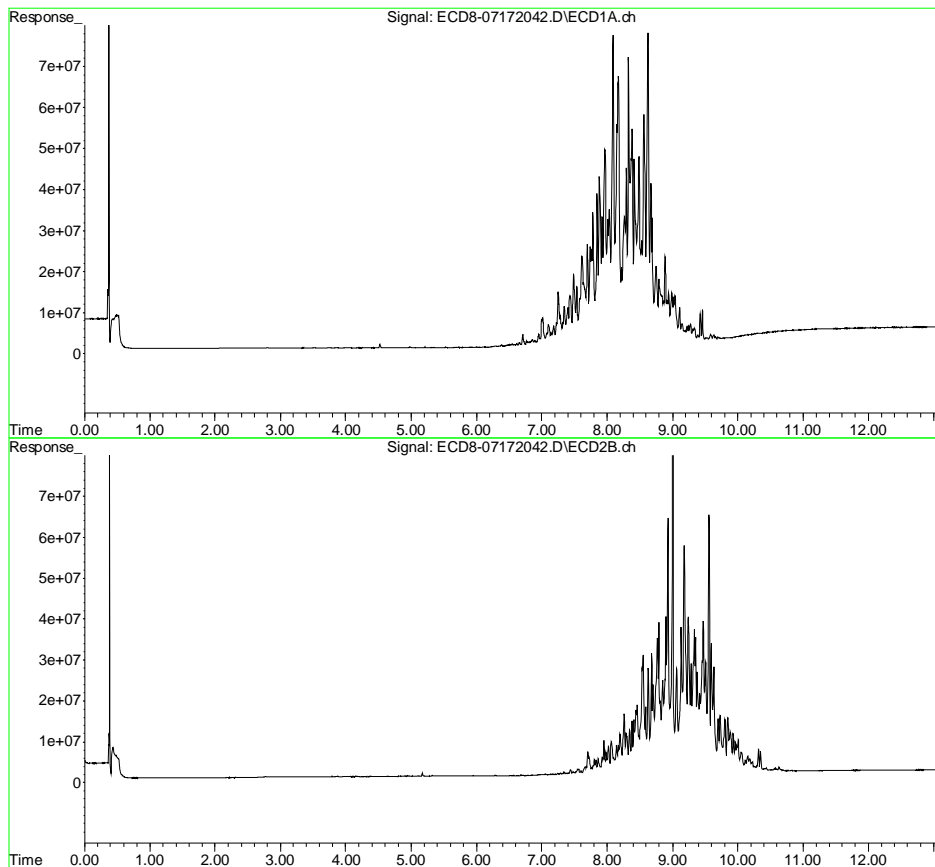
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.488	8.551	17086458	29203436	1055.968	889.974
37)	Toxaphene...	7.781	8.899	31839970	38505672	1015.295	904.213
38)	Toxaphene...	8.092	8.935	75044752	62596333	1034.440	990.661
39)	Toxaphene...	8.333	9.003	69598117	101.9E6	1057.556	976.161
40)	Toxaphene...	8.560	9.179	55357585	55665323	1062.849	948.048
41)	Toxaphene...	8.628	9.561	75247744	63102776	1019.667	982.210
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 4:19
Operator : MJB
Sample : 0G17041-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 20 12:45:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:43:11 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:36
 Operator : MJB
 Sample : 0G17041-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:46:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	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

ECD8_QUANTPEST_200717.M Mon Jul 20 13:11:33 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
 Data File : ECD8-07172043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2020 4:36
 Operator : MJB
 Sample : 0G17041-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jul 20 12:46:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
 Quant Title : Instrument: DualECD8
 QLast Update : Mon Jul 20 12:43:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation

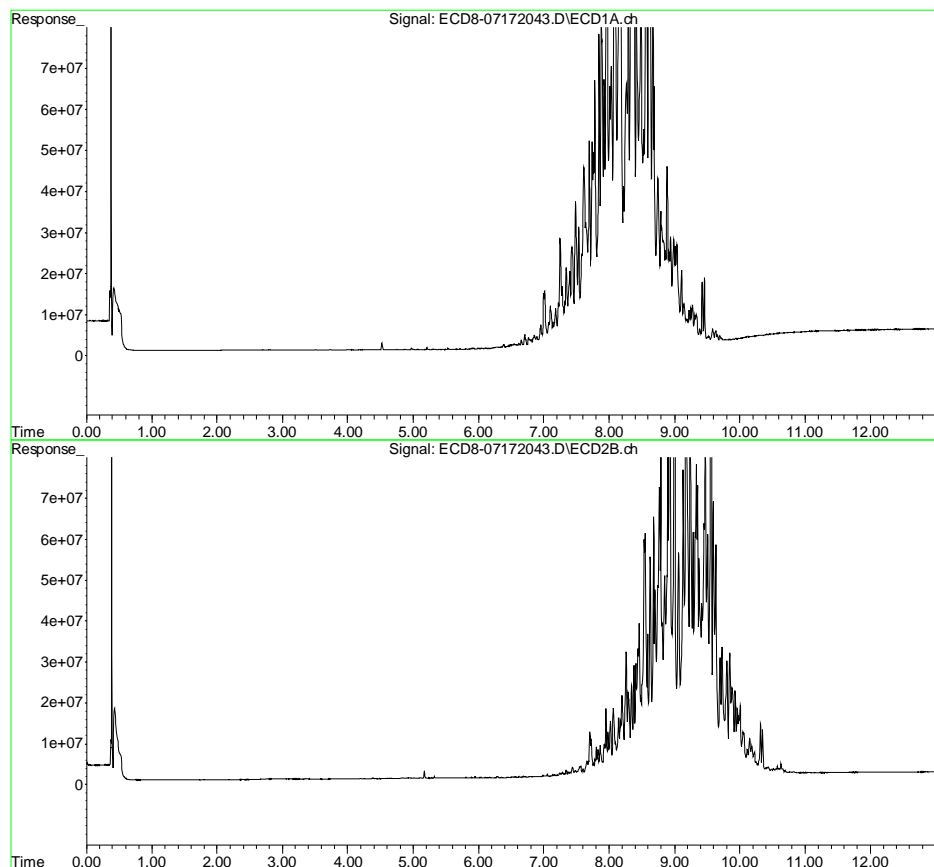
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.488	8.550	35038178	59422474	2121.252	1810.899
37)	Toxaphene...	7.780	8.898	64472521	82837414	2072.255	1945.236
38)	Toxaphene...	8.091	8.935	153.6E6	131.1E6	2117.303	2074.281
39)	Toxaphene...	8.333	9.002	144.2E6	222.9E6	2061.704	1925.556
40)	Toxaphene...	8.560	9.178	117.9E6	120.4E6	2263.889	2050.635
41)	Toxaphene...	8.627	9.560	158.1E6	139.0E6	2142.691	2163.514
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\
Data File : ECD8-07172043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2020 4:36
Operator : MJB
Sample : 0G17041-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
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Quant Time: Jul 20 12:46:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200717.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Jul 20 12:43:11 2020
Response via : Initial Calibration
Integrator: ChemStation



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

Batch 0090743

Sequence 0125025 (A010556-29,30,31,32,33,34,35,36,37,38,39,43,44,45)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090743 (Sediment)

Prep Method: EPA 3546

*Reprint
Original lost
Dd 11/2/20*

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
	0090743-BLK1	QC	09/25/20 10:22	12	5				100					
	0090743-BS1	QC	09/25/20 10:22	10	5	A20H196		100	100					
	A0I0556-29	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.86	5				100	PDI-171SC-A-01-02-200521				
	0090743-DUP1	QC	09/25/20 10:22	11.84	5		A0I0556-29		100					
	A0I0556-30	A 8270D LL PAH Only (Scan)	09/25/20 10:22	11.02	5				100	PDI-171SC-A-02-03-200521				
	A0I0556-31	A 8270D LL PAH Only (Scan)	09/25/20 10:22	11.01	5				100	PDI-171SC-A-03-04-200521				
	A0I0556-32	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.88	5				100	PDI-171SC-A-04-05-200521				
	A0I0556-33	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.81	5				100	PDI-171SC-A-05-06-200521				
	A0I0556-34	A 8270D LL PAH Only (Scan)	09/25/20 10:22	11.57	5				100	PDI-171SC-A-06-07-200521				
	A0I0556-35	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.49	5				100	PDI-173SC-A-01-02-200521				
	A0I0556-36	A 8270D LL PAH Only (Scan)	09/25/20 10:22	11.26	5				100	PDI-173SC-A-02-03-200521				
	A0I0556-37	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.89	5				100	PDI-173SC-A-03-04-200521				
	A0I0556-38	A 8270D LL PAH Only (Scan)	09/25/20 10:22	11.06	5				100	PDI-174SC-A-01-02-200521				
	A0I0556-39	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.63	5				100	PDI-174SC-A-02-03-200521				
	0090743-MS1	QC	09/25/20 10:22	10.68	5	A20H196	A0I0556-39	100	100					
	A0I0556-43	A 8270D LL PAH Only (Scan)	09/25/20 10:22	11.01	5				100	PDI-018SC-A-03-04-190926				
	A0I0556-44	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.98	5				100	PDI-018SC-A-04-05-190926				
	A0I0556-45	A 8270D LL PAH Only (Scan)	09/25/20 10:22	10.83	5				100	PDI-018SC-A-05-06-190926				

Standards/Reagents

Prepared By: _____ Date _____

gpd 11/2/20
Reviewed By: _____ Date _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0090743 (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	pH	>11																									
Reagent(s)				Analyte Spike(s)				Surrogate(s)																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Std ID</th> <th>Exp. Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A13L219</td> <td>11/30/23</td> <td>Extractions Balance</td> </tr> <tr> <td>A20B017</td> <td>02/01/21</td> <td>Glass Wool</td> </tr> <tr> <td>A20F023</td> <td>11/29/22</td> <td>Sodium Sulfate Lot # 196476</td> </tr> <tr> <td>A20H026</td> <td>01/31/21</td> <td>DCM CHEM PROD. DZ242-US</td> </tr> </tbody> </table>				Std ID	Exp. Date	Description	A13L219	11/30/23	Extractions Balance	A20B017	02/01/21	Glass Wool	A20F023	11/29/22	Sodium Sulfate Lot # 196476	A20H026	01/31/21	DCM CHEM PROD. DZ242-US	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Std ID</th> <th>Exp. Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A20H196</td> <td>10/08/20</td> <td>LVI PAH/PCP Spike @2000/5000ng/ml</td> </tr> </tbody> </table>				Std ID	Exp. Date	Description	A20H196	10/08/20	LVI PAH/PCP Spike @2000/5000ng/ml	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Std ID</th> <th>Exp. Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A20H011</td> <td>01/11/21</td> <td>8270E LL PAH Only Surr. (5ppm)</td> </tr> </tbody> </table>					Std ID	Exp. Date	Description	A20H011	01/11/21	8270E LL PAH Only Surr. (5ppm)
Std ID	Exp. Date	Description																																					
A13L219	11/30/23	Extractions Balance																																					
A20B017	02/01/21	Glass Wool																																					
A20F023	11/29/22	Sodium Sulfate Lot # 196476																																					
A20H026	01/31/21	DCM CHEM PROD. DZ242-US																																					
Std ID	Exp. Date	Description																																					
A20H196	10/08/20	LVI PAH/PCP Spike @2000/5000ng/ml																																					
Std ID	Exp. Date	Description																																					
A20H011	01/11/21	8270E LL PAH Only Surr. (5ppm)																																					

Method 3546 digestion time and temperature achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0129025

Instrument: DUALECD9F

Date: 09/29/20 06:24

Calibration: A011008

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0129025-CCV1	Sediment	QC	QC				A201167
2	0129025-CCB1	Sediment	QC	QC				A201313
3	A010556-40	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
4	0129025-IBL1	Sediment	QC	QC				
5	A010556-41	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
6	0129025-IBL2	Sediment	QC	QC				
7	A010556-42	Sediment	8082 PCBs - Low Level (15g/1mL)	Anchor QEA, LLC	09/30/20	0090782		
8	0129025-IBL3	Sediment	QC	QC				
9	0129025-CCV2	Sediment	QC	QC				A201167
10	0129025-CCB2	Sediment	QC	QC				A201313

Data Entered By/Date: KAK 9/30/2020

Comments:

Data Reviewed By/Date: MKZ 9/30/2020

9/30/2020 11:03:27AM

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.

0I29025-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	500.97
1016 (2)	552.88
1016 (3)	510.38
1016 (4)	490.61
1016 (5)	513.81
1016 (6)	516.07
Average:	514.12

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	519.64
1260 (2)	526.01
1260 (3)	527.75
1260 (4)	560.10
1260 (5)	558.99
1260 (6)	531.32
Average:	537.30

0I29025-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	527.51
1016 (2)	594.44
1016 (3)	523.33
1016 (4)	514.40
1016 (5)	528.69
1016 (6)	524.46
Average:	535.47

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	525.53
1260 (2)	545.34
1260 (3)	551.91
1260 (4)	607.15
1260 (5)	577.48
1260 (6)	555.31
Average:	560.45

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_04.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.892	354855328	263.577 ng/ml
64) S DCBP (S)	9.748	245372309	258.255 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.817	27257547	500.973 ng/ml
3) Aroclor 1016 (2)	6.234	50190915	552.884 ng/ml
4) Aroclor 1016 (3)	6.315	28640190	510.382 ng/ml
5) Aroclor 1016 (4)	6.476	22973298	490.610 ng/ml
6) Aroclor 1016 (5)	6.699	28283825	513.807 ng/ml
7) Aroclor 1016 (6)	6.828	19623755	516.067 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.249	8888953	560.351 ng/ml
10) Aroclor 1221 (2)	5.372	3213700	301.402 ng/ml
11) Aroclor 1221 (3)	5.453	14339850	421.477 ng/ml
12) Aroclor 1221 (4)	5.924	2527923	432.042 ng/ml
13) Aroclor 1221 (5)	6.234	50190915	7828.442 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.453	14339850	504.509 ng/ml
16) Aroclor 1232 (2)	6.234	50190915	1488.586 ng/ml
17) Aroclor 1232 (3)	6.315	28640190	1371.893 ng/ml
18) Aroclor 1232 (4)	6.476	22973298	1632.073 ng/ml
19) Aroclor 1232 (5)	6.699	28283825	1538.818 ng/ml
20) Aroclor 1232 (6)	6.828	19623755	1351.349 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.817	27257547	736.839 ng/ml
23) Aroclor 1242 (2)	6.234	50190915	787.483 ng/ml
24) Aroclor 1242 (3)	6.315	28640190	763.621 ng/ml
25) Aroclor 1242 (4)	6.476	22973298	768.687 ng/ml
26) Aroclor 1242 (5)	6.699	28283825	756.513 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_04.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.828	19623755	642.823 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.222	42194685	1065.703 ng/ml
30) Aroclor 1248 (2)	6.476	22973298	420.169 ng/ml
31) Aroclor 1248 (3)	6.699	28283825	435.615 ng/ml
32) Aroclor 1248 (4)	6.995	5462283	79.140 ng/ml
33) Aroclor 1248 (5)	7.032	19002478	256.781 ng/ml
34) Aroclor 1248 (6)	7.526	37077101	953.531 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.032	19002478	261.074 ng/ml
37) Aroclor 1254 (2)	7.142	18633675	228.387 ng/ml
38) Aroclor 1254 (3)	7.526	37077101	313.998 ng/ml
39) Aroclor 1254 (4)	7.684	5506638	72.302 ng/ml
40) Aroclor 1254 (5)	8.070	48885703	622.939 ng/ml
41) Aroclor 1254 (6)	8.367	5389928	208.980 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.638	51247708	519.640 ng/ml
44) Aroclor 1260 (2)	7.772	62202771	526.012 ng/ml
45) Aroclor 1260 (3)	8.337	46660454	527.747 ng/ml
46) Aroclor 1260 (4)	8.508	106099850	560.099 ng/ml
47) Aroclor 1260 (5)	8.812	69102244	558.992 ng/ml
48) Aroclor 1260 (6)	9.219	27314287	531.324 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.772	62202771	736.134 ng/ml
51) Aroclor 1262 (2)	8.101	46548650	385.210 ng/ml
52) Aroclor 1262 (3)	8.337	46660454	473.796 ng/ml
53) Aroclor 1262 (4)	8.508	106099850	529.665 ng/ml
54) Aroclor 1262 (5)	8.812	69102244	597.774 ng/ml
55) Aroclor 1262 (6)	9.219	27314287	451.200 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.337	46660454	853.514 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_04.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:37 am
 Operator :
 Sample : 0I29025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:11 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	24719328	102.377 ng/ml
59)	Aroclor 1268 (3)	8.812	69102244	358.460 ng/ml
60)	Aroclor 1268 (4)	8.993	5758917	31.001 ng/ml
61)	Aroclor 1268 (5)	9.219	27314287	396.511 ng/ml
62)	Aroclor 1268 (6)	9.494	14909580	32.094 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

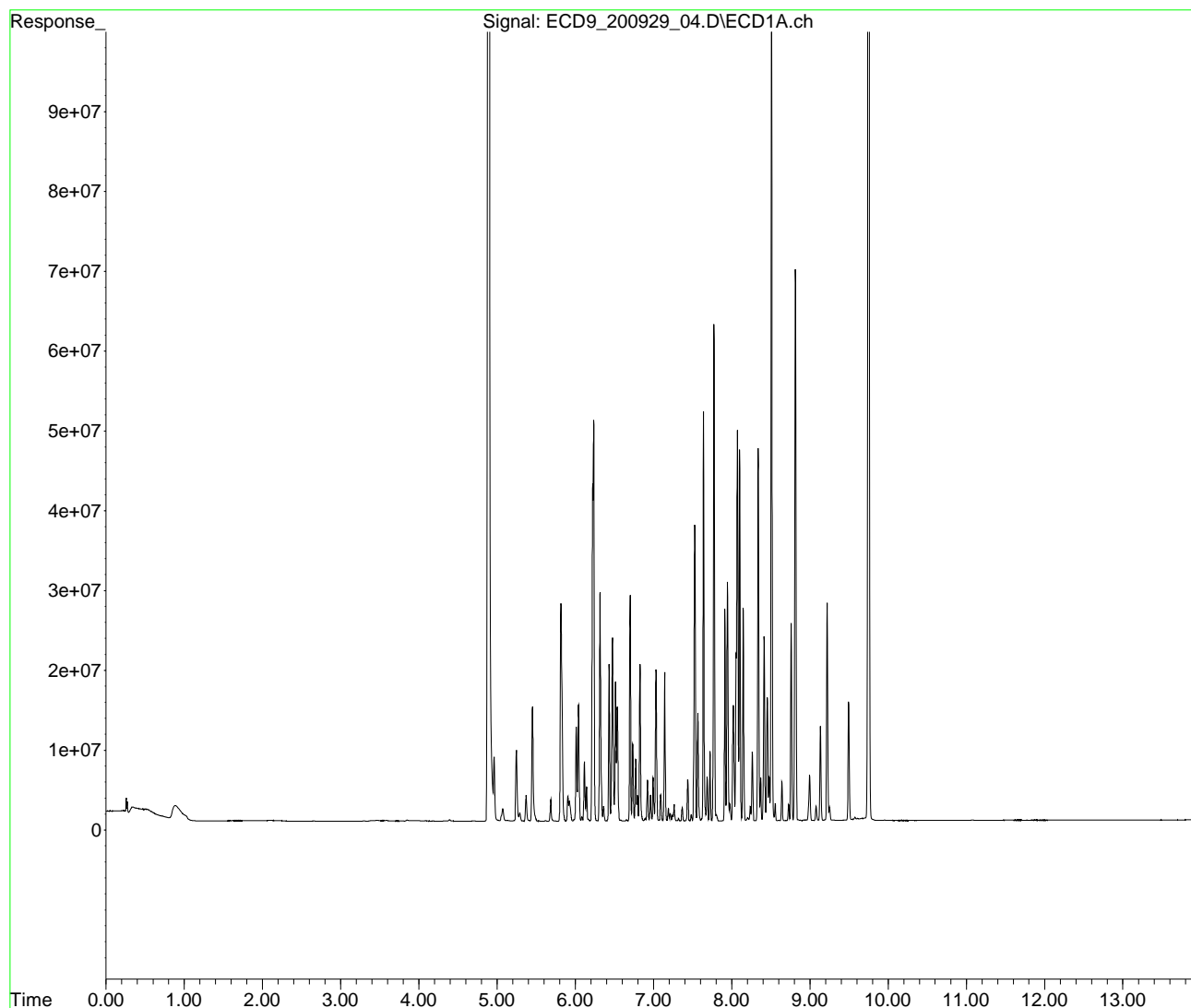
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_04.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 07:37 am
Operator :
Sample : 0I29025-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:11 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_06.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	160494579	119.211 ng/ml
64) S DCBP (S)	9.744	105774208	111.327 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.821	26073	0.479 ng/ml
3) Aroclor 1016 (2)	6.244	44156	0.486 ng/ml
4) Aroclor 1016 (3)	6.313	29889	0.533 ng/ml
5) Aroclor 1016 (4)	6.459	20895	0.446 ng/ml
6) Aroclor 1016 (5)	6.708	30287	0.550 ng/ml
7) Aroclor 1016 (6)	6.822	31051	0.817 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3176707	200.257 ng/ml
10) Aroclor 1221 (2)	5.367	64208	6.022 ng/ml
11) Aroclor 1221 (3)	5.430	63404	1.864 ng/ml
12) Aroclor 1221 (4)	5.926	24929	4.261 ng/ml
13) Aroclor 1221 (5)	6.244	44156	6.887 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.430	63404	2.231 ng/ml
16) Aroclor 1232 (2)	6.244	44156	1.310 ng/ml
17) Aroclor 1232 (3)	6.313	29889	1.432 ng/ml
18) Aroclor 1232 (4)	6.459	20895	1.484 ng/ml
19) Aroclor 1232 (5)	6.708	30287	1.648 ng/ml
20) Aroclor 1232 (6)	6.822	31051	2.138 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.821	26073	0.705 ng/ml
23) Aroclor 1242 (2)	6.244	44156	0.693 ng/ml
24) Aroclor 1242 (3)	6.313	29889	0.797 ng/ml
25) Aroclor 1242 (4)	6.459	20895	0.699 ng/ml
26) Aroclor 1242 (5)	6.708	30287	0.810 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_06.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.822	31051	1.017 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.216	43814	1.107 ng/ml
30)	Aroclor 1248 (2)	6.459	20895	0.382 ng/ml
31)	Aroclor 1248 (3)	6.708	30287	0.466 ng/ml
32)	Aroclor 1248 (4)	7.005	943988	13.677 ng/ml
33)	Aroclor 1248 (5)	7.005	943988	12.756 ng/ml
34)	Aroclor 1248 (6)	7.518	38464	0.989 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	943988	12.969 ng/ml
37)	Aroclor 1254 (2)	7.139	84007	1.030 ng/ml
38)	Aroclor 1254 (3)	7.518	38464	0.326 ng/ml
39)	Aroclor 1254 (4)	7.662	51383	0.675 ng/ml
40)	Aroclor 1254 (5)	8.081	127849	1.629 ng/ml
41)	Aroclor 1254 (6)	8.362	42575	1.651 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.662	51383	0.521 ng/ml
44)	Aroclor 1260 (2)	7.770	33134	0.280 ng/ml
45)	Aroclor 1260 (3)	8.332	53494	0.605 ng/ml
46)	Aroclor 1260 (4)	8.501	150751	0.796 ng/ml
47)	Aroclor 1260 (5)	8.808	74218	0.600 ng/ml
48)	Aroclor 1260 (6)	9.219	67173	1.307 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.770	33134	0.392 ng/ml
51)	Aroclor 1262 (2)	8.081	127849	1.058 ng/ml
52)	Aroclor 1262 (3)	8.332	53494	0.543 ng/ml
53)	Aroclor 1262 (4)	8.501	150751	0.753 ng/ml
54)	Aroclor 1262 (5)	8.808	74218	0.642 ng/ml
55)	Aroclor 1262 (6)	9.219	67173	1.110 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.332	53494	0.979 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_06.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 07:54 am
 Operator :
 Sample : 0I29025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:17 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.762	84506	0.350 ng/ml
59)	Aroclor 1268 (3)	8.808	74218	0.385 ng/ml
60)	Aroclor 1268 (4)	8.993	2187554	11.776 ng/ml
61)	Aroclor 1268 (5)	9.219	67173	0.975 ng/ml
62)	Aroclor 1268 (6)	9.491	4401350	9.474 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

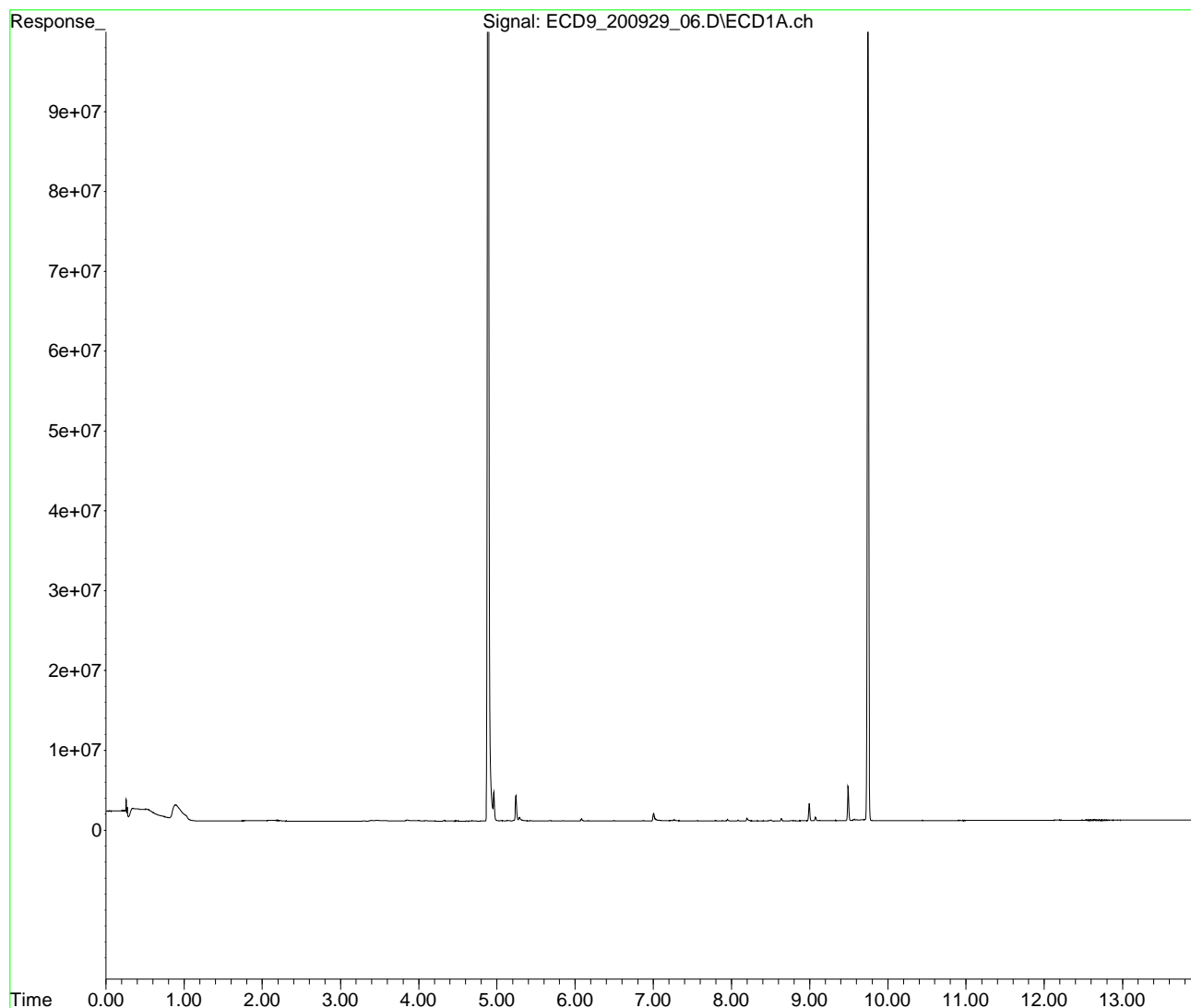
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_06.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 07:54 am
Operator :
Sample : 0I29025-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:17 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_08.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : A0I0556-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

KAK 9/29/2020

1242 (J)
 1254 P-12
 1260 (J)

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	4.891	625974550	464.957 ng/ml	
64) S DCBP (S)	9.746	485183321	510.656 ng/ml	
Target Compounds				
2) Aroclor 1016 (1)	5.817	411916	7.571 ng/ml	
3) Aroclor 1016 (2)	6.233	1037250	11.426 ng/ml	
4) Aroclor 1016 (3)	6.316	678801	12.097 ng/ml	
5) Aroclor 1016 (4)	6.476	1837954	39.251 ng/ml	
6) Aroclor 1016 (5)	6.700	1430584	25.988 ng/ml	
7) Aroclor 1016 (6)	6.827	775337	20.390 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.246	10728529	676.317 ng/ml	
10) Aroclor 1221 (2)	5.363	68293	6.405 ng/ml	
11) Aroclor 1221 (3)	5.436	1592105	46.795 ng/ml	
12) Aroclor 1221 (4)	5.931	132138	22.584 ng/ml	
13) Aroclor 1221 (5)	6.233	1037250	161.783 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.436	1592105	56.014 ng/ml	
16) Aroclor 1232 (2)	6.233	1037250	30.763 ng/ml	
17) Aroclor 1232 (3)	6.316	678801	32.515 ng/ml	
18) Aroclor 1232 (4)	6.476	1837954	130.572 ng/ml	
19) Aroclor 1232 (5)	6.700	1430584	77.833 ng/ml	
20) Aroclor 1232 (6)	6.827	775337	53.392 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.817	411916	11.135 ng/ml	
23) Aroclor 1242 (2)	6.233	1037250	16.274 ng/ml	15.169
24) Aroclor 1242 (3)	6.316	678801	18.099 ng/ml	
25) Aroclor 1242 (4)	6.476	1837954	61.498 ng/ml	
26) Aroclor 1242 (5)	6.700	1430584	38.264 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_08.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : A0I0556-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.827	775337	25.398 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.222	823573	20.801 ng/ml	
30) Aroclor 1248 (2)	6.476	1837954	33.615 ng/ml	
31) Aroclor 1248 (3)	6.700	1430584	22.033 ng/ml	
32) Aroclor 1248 (4)	6.997	1567633	22.713 ng/ml	
33) Aroclor 1248 (5)	7.033	2814071	38.027 ng/ml	
34) Aroclor 1248 (6)	7.518	2724515	70.068 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.033	2814071	38.662 ng/ml	
37) Aroclor 1254 (2)	7.144	2262343	27.729 ng/ml	
38) Aroclor 1254 (3)	7.518	2724515	23.073 ng/ml	23.862
39) Aroclor 1254 (4)	7.683	1568690	20.597 ng/ml	
40) Aroclor 1254 (5)	8.069	2217855	28.262 ng/ml	
41) Aroclor 1254 (6)	8.366	506735	19.647 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.637	2165899	21.962 ng/ml	
44) Aroclor 1260 (2)	7.771	2621165	22.166 ng/ml	
45) Aroclor 1260 (3)	8.335	1060417	11.994 ng/ml	
46) Aroclor 1260 (4)	8.505	2488313	13.136 ng/ml	13.427
47) Aroclor 1260 (5)	8.809	1934229	15.647 ng/ml	
48) Aroclor 1260 (6)	9.217	664792	12.932 ng/ml	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.771	2621165	31.020 ng/ml	
51) Aroclor 1262 (2)	8.099	1233269	10.206 ng/ml	
52) Aroclor 1262 (3)	8.335	1060417	10.768 ng/ml	
53) Aroclor 1262 (4)	8.505	2488313	12.422 ng/ml	
54) Aroclor 1262 (5)	8.809	1934229	16.732 ng/ml	
55) Aroclor 1262 (6)	9.217	664792	10.982 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.335	1060417	19.397 ng/ml	

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_08.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:12 am
 Operator :
 Sample : A0I0556-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:22 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	680871	2.820 ng/ml
59)	Aroclor 1268 (3)	8.809	1934229	10.034 ng/ml
60)	Aroclor 1268 (4)	8.992	6704825	36.093 ng/ml
61)	Aroclor 1268 (5)	9.217	664792	9.651 ng/ml
62)	Aroclor 1268 (6)	9.491	15824145	34.062 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

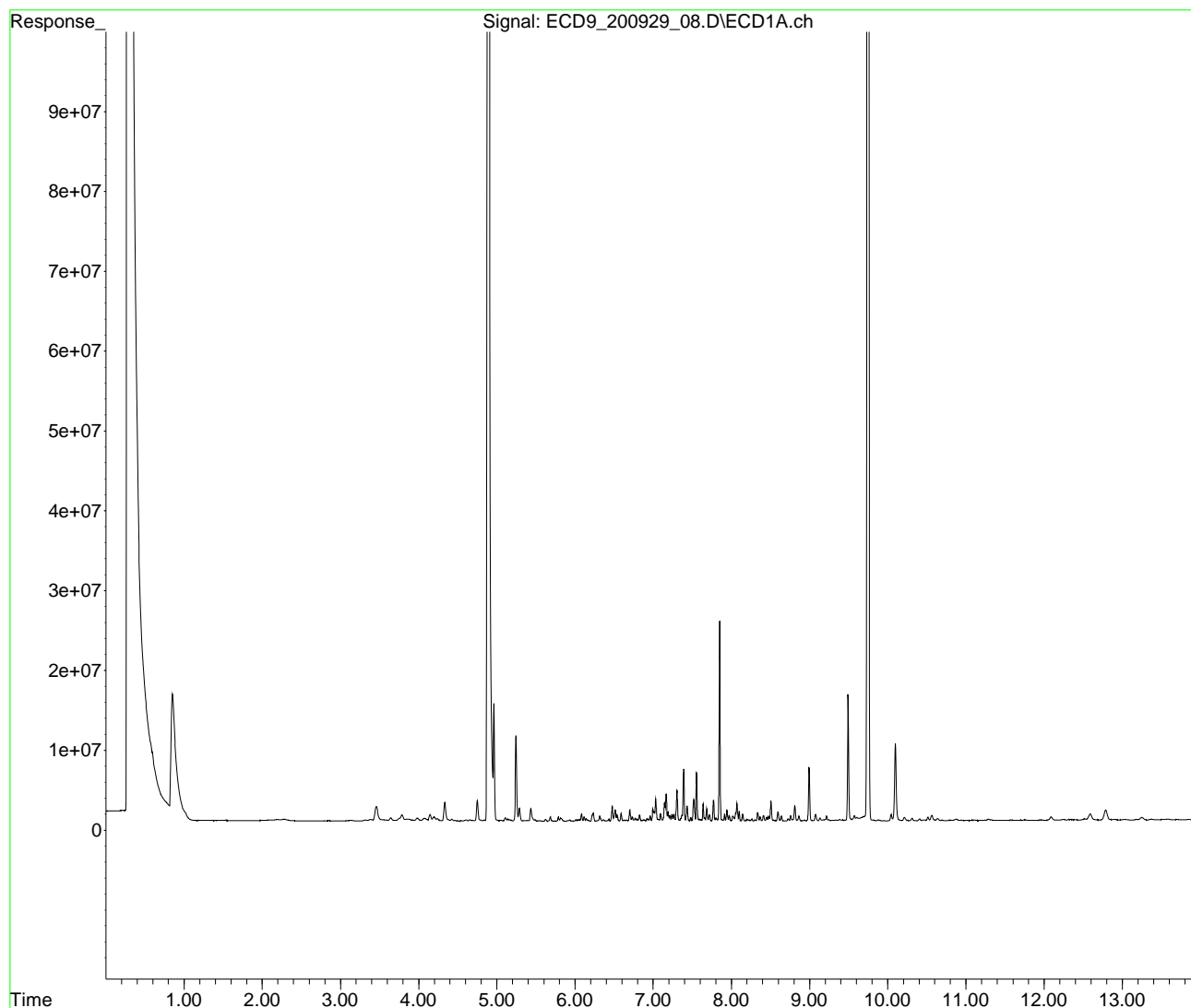
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_08.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:12 am
Operator :
Sample : A0I0556-40
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:22 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/29/2020

RR-7

Integration File: PCB1.e
 Quant Time: Sep 29 15:43:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

1242 (J)

1254 (J)

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
1) S TCMX (S)	4.900	265523329	197.223 ng/ml	
64) S DCBP (S)	9.754	188040621	197.913 ng/ml	S-06
Target Compounds				
2) Aroclor 1016 (1)	5.797	605053	11.120 ng/ml	
3) Aroclor 1016 (2)	6.231	895092	9.860 ng/ml	
4) Aroclor 1016 (3)	6.323	649038	11.566 ng/ml	
5) Aroclor 1016 (4)	6.485	1159180	24.755 ng/ml	
6) Aroclor 1016 (5)	6.710	1212987	22.035 ng/ml	
7) Aroclor 1016 (6)	6.836	664097	17.465 ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml	
9) Aroclor 1221 (1)	5.256	4726265	297.939 ng/ml	
10) Aroclor 1221 (2)	5.359	476991	44.735 ng/ml	
11) Aroclor 1221 (3)	5.446	1840843	54.106 ng/ml	
12) Aroclor 1221 (4)	5.940	283870	48.516 ng/ml	
13) Aroclor 1221 (5)	6.231	895092	139.610 ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	5.446	1840843	64.765 ng/ml	
16) Aroclor 1232 (2)	6.231	895092	26.547 ng/ml	
17) Aroclor 1232 (3)	6.323	649038	31.090 ng/ml	
18) Aroclor 1232 (4)	6.485	1159180	82.351 ng/ml	
19) Aroclor 1232 (5)	6.710	1212987	65.994 ng/ml	
20) Aroclor 1232 (6)	6.836	664097	45.732 ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	5.827	442308	11.957 ng/mlm	
23) Aroclor 1242 (2)	6.243	1056002	16.568 ng/mlm	15.277
24) Aroclor 1242 (3)	6.323	649038	17.305 ng/ml	
25) Aroclor 1242 (4)	6.485	1159180	38.786 ng/ml	
26) Aroclor 1242 (5)	6.710	1212987	32.444 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:43:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	
27) Aroclor 1242 (6)	6.836	664097	21.754 ng/ml	
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml	
29) Aroclor 1248 (1)	6.231	895092	22.607 ng/ml	
30) Aroclor 1248 (2)	6.485	1159180	21.201 ng/ml	
31) Aroclor 1248 (3)	6.710	1212987	18.682 ng/ml	
32) Aroclor 1248 (4)	7.005	1310967	18.994 ng/ml	
33) Aroclor 1248 (5)	7.042	1945782	26.293 ng/ml	
34) Aroclor 1248 (6)	7.527	1587497	40.826 ng/ml	
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml	
36) Aroclor 1254 (1)	7.042	1947135	26.752 ng/mlm	
37) Aroclor 1254 (2)	7.153	1535291	18.818 ng/ml	
38) Aroclor 1254 (3)	7.527	1587497	13.444 ng/ml	
39) Aroclor 1254 (4)	7.693	921304	12.097 ng/ml	14.327
40) Aroclor 1254 (5)	8.078	1254960	15.992 ng/ml	
41) Aroclor 1254 (6)	8.375	291072	11.286 ng/ml	
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml	
43) Aroclor 1260 (1)	7.647	1339599	13.583 ng/ml	
44) Aroclor 1260 (2)	7.779	1638246	13.854 ng/ml	
45) Aroclor 1260 (3)	8.344	703614	7.958 ng/ml	
46) Aroclor 1260 (4)	8.515	1588074	8.383 ng/ml	
47) Aroclor 1260 (5)	8.819	1151732	9.317 ng/ml	
48) Aroclor 1260 (6)	9.226	371112	7.219 ng/mlm	
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml	
50) Aroclor 1262 (1)	7.779	1638246	19.388 ng/ml	
51) Aroclor 1262 (2)	8.109	760555	6.294 ng/ml	
52) Aroclor 1262 (3)	8.344	703614	7.145 ng/ml	
53) Aroclor 1262 (4)	8.515	1588074	7.928 ng/ml	
54) Aroclor 1262 (5)	8.819	1151732	9.963 ng/ml	
55) Aroclor 1262 (6)	9.226	371058	6.129 ng/ml	
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml	
57) Aroclor 1268 (1)	8.311	348628	6.377 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:43:49 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.768	451303	1.869 ng/ml
59)	Aroclor 1268 (3)	8.819	1151732	5.974 ng/ml
60)	Aroclor 1268 (4)	9.001	2937529	15.813 ng/ml
61)	Aroclor 1268 (5)	9.206	168333	2.444 ng/ml
62)	Aroclor 1268 (6)	9.502	5841564	12.574 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

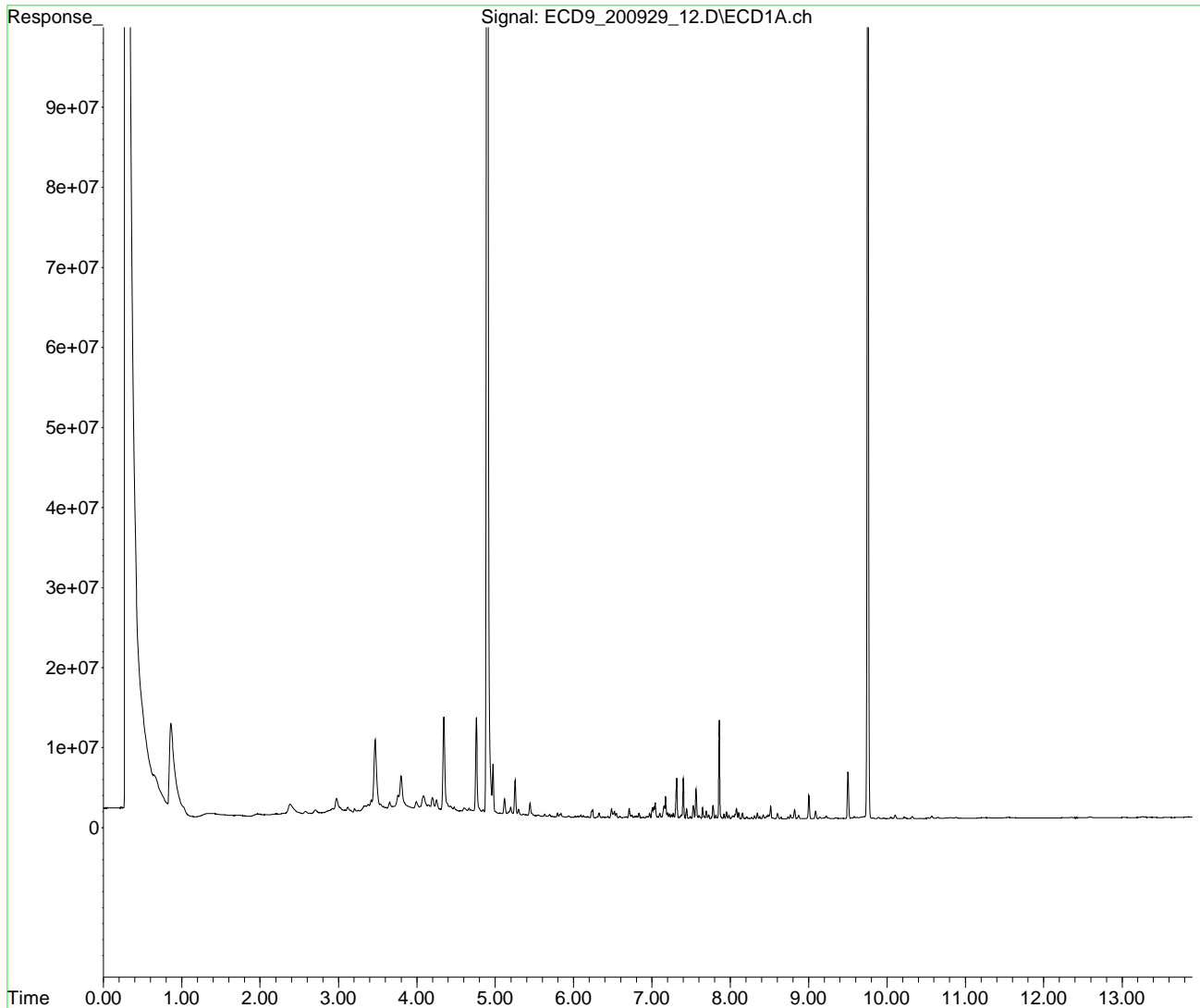
(m)=manual int.

Quantitation Report (QT Reviewed)

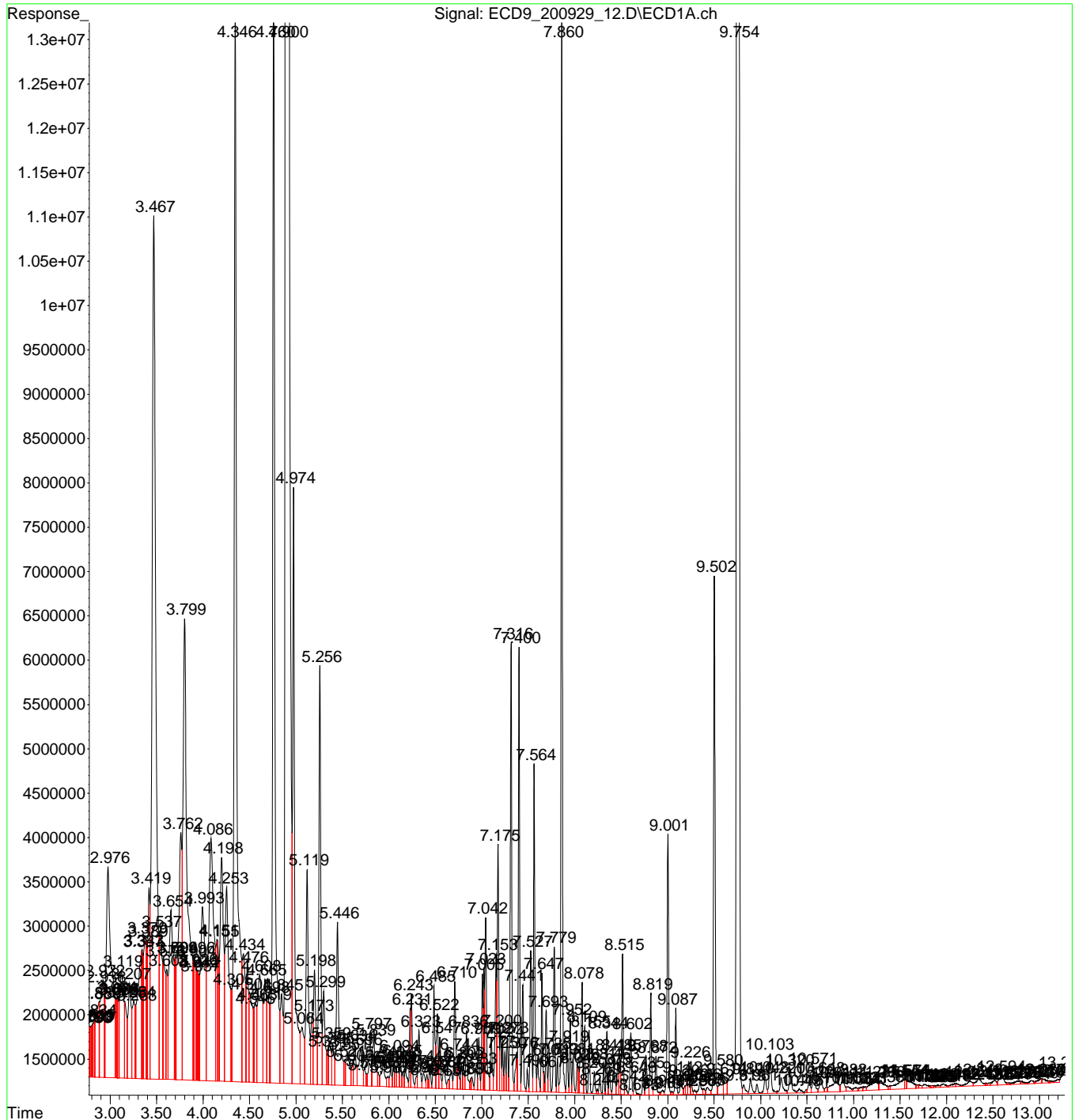
Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:43:49 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



File : C:\Users\organics\Desktop\0I29025\ECD9_200929_12.D
 Operator :
 Acquired : 29 Sep 2020 08:48 am using AcqMethod ECD9_ACQ_PCBS_200831.M
 Instrument : DUALECD9
 Sample Name: A0I0556-41
 Misc Info :
 Vial Number: 5

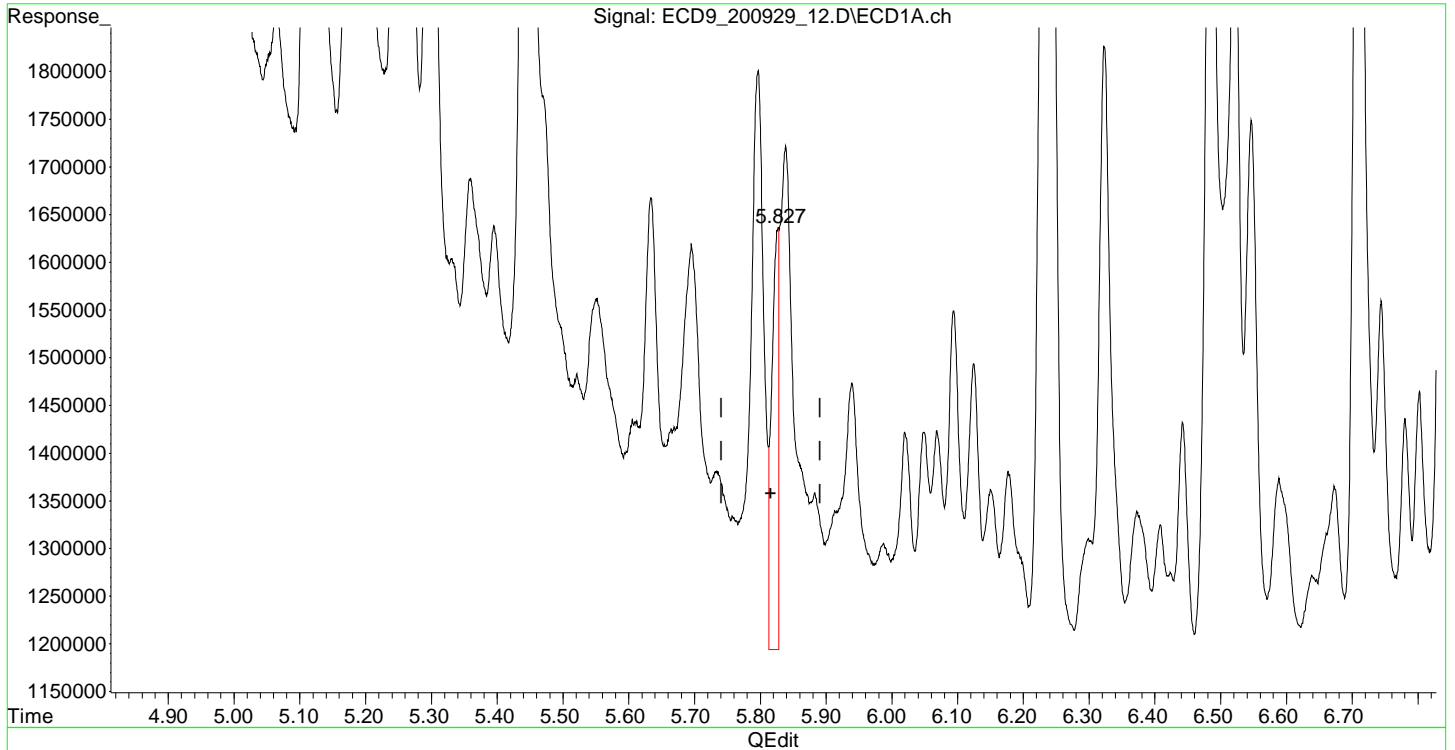


Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



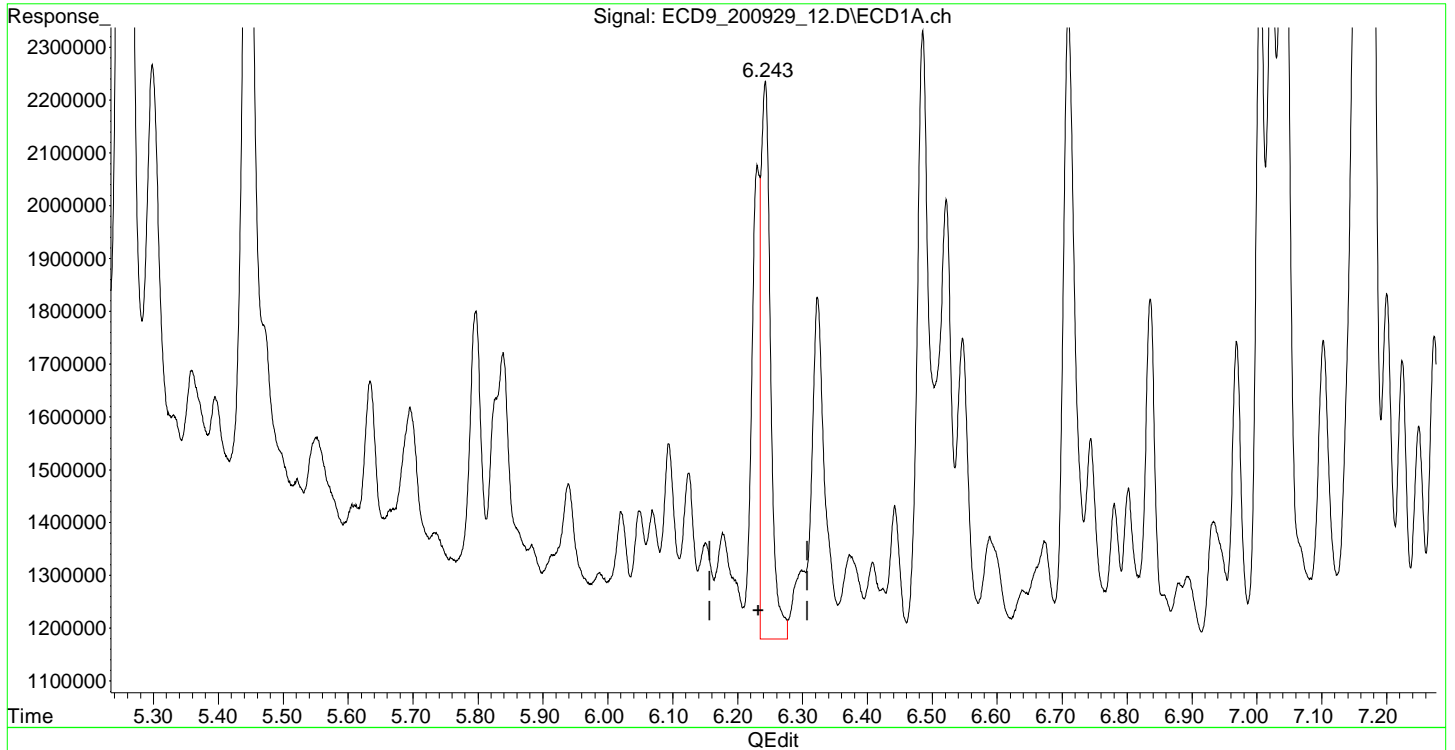
(22) Aroclor 1242 (1)
5.827min 11.957 ng/ml m *KAK 9/29/2020*
response 442308

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



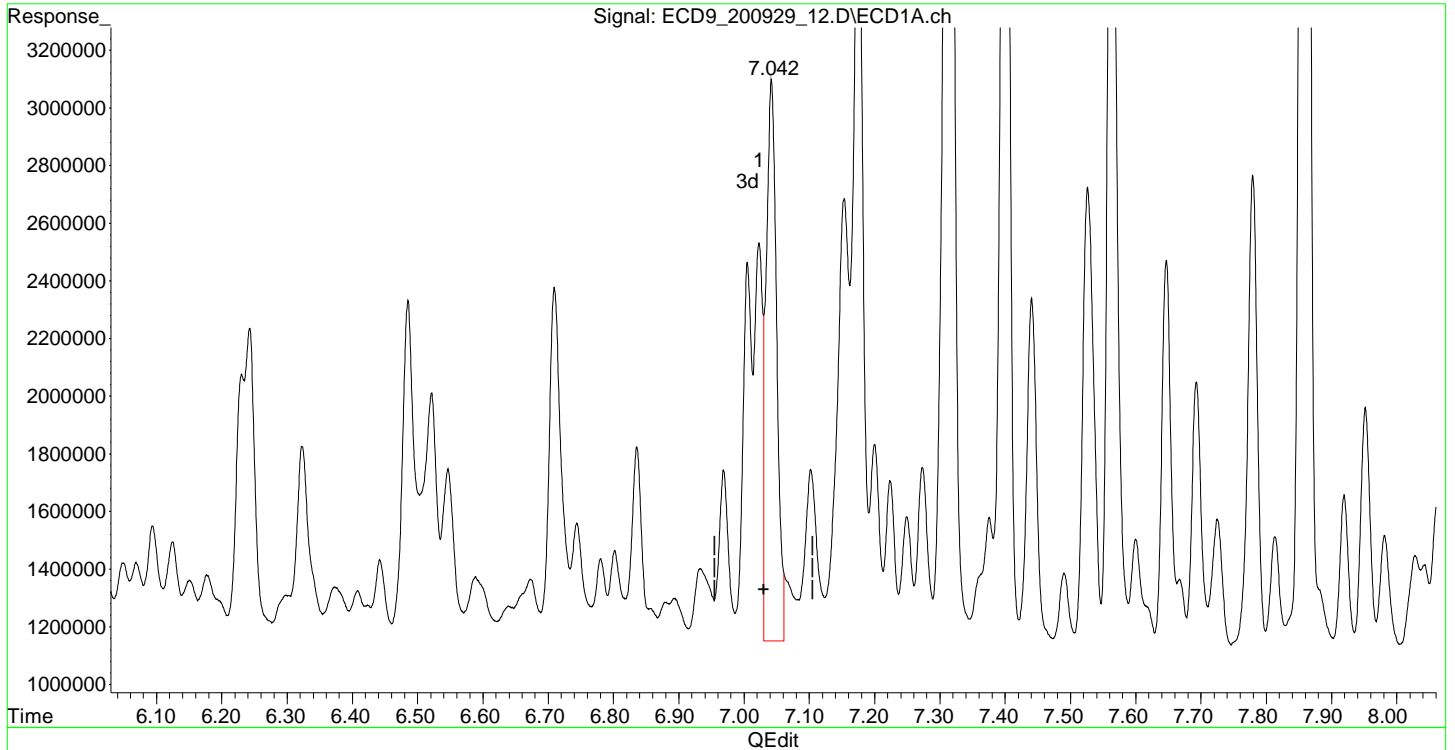
(23) Aroclor 1242 (2)
6.243min 16.568 ng/ml m *KAK 9/29/2020*
response 1056002

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



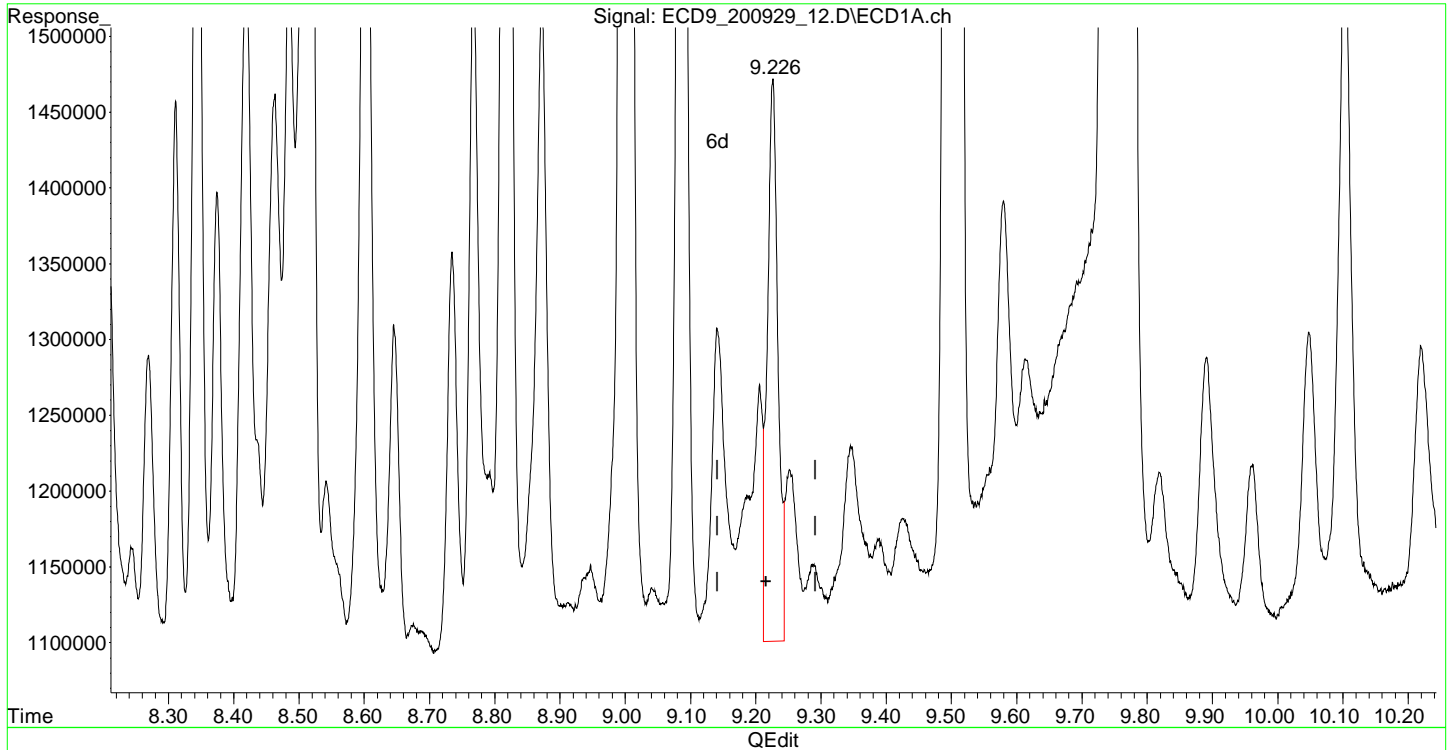
(36) Aroclor 1254 (1)
7.042min 26.752 ng/ml m *KAK 9/29/2020*
response 1947135

Quantitation Report (Qedit)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:41:28 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(48) Aroclor 1260 (6)
9.226min 7.219 ng/ml m *KAK 9/29/2020*
response 371112

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

KAK 9/29/2020

MI

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.900	264910523	196.768 ng/ml
64) S DCBP (S)	9.754	188037637	197.910 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.797	480961	8.840 ng/ml
3) Aroclor 1016 (2)	6.231	850094	9.364 ng/ml
4) Aroclor 1016 (3)	6.323	613427	10.932 ng/ml
5) Aroclor 1016 (4)	6.485	1126605	24.059 ng/ml
6) Aroclor 1016 (5)	6.710	1184606	21.520 ng/ml
7) Aroclor 1016 (6)	6.836	638082	16.780 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.256	4329212	272.910 ng/ml
10) Aroclor 1221 (2)	5.359	142395	13.355 ng/ml
11) Aroclor 1221 (3)	5.446	1559175	45.827 ng/ml
12) Aroclor 1221 (4)	5.940	185824	31.759 ng/ml
13) Aroclor 1221 (5)	6.231	850094	132.592 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.446	1559175	54.855 ng/ml
16) Aroclor 1232 (2)	6.231	850094	25.212 ng/ml
17) Aroclor 1232 (3)	6.323	613427	29.384 ng/ml
18) Aroclor 1232 (4)	6.485	1126605	80.036 ng/ml
19) Aroclor 1232 (5)	6.710	1184606	64.450 ng/ml
20) Aroclor 1232 (6)	6.836	638082	43.940 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.797	480961	13.002 ng/ml
23) Aroclor 1242 (2)	6.231	850094	13.338 ng/ml
24) Aroclor 1242 (3)	6.323	613427	16.356 ng/ml
25) Aroclor 1242 (4)	6.485	1126605	37.696 ng/ml
26) Aroclor 1242 (5)	6.710	1184606	31.685 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	6.836	638082	20.902 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.231	850094	21.471 ng/ml
30) Aroclor 1248 (2)	6.485	1126605	20.605 ng/ml
31) Aroclor 1248 (3)	6.710	1184606	18.245 ng/ml
32) Aroclor 1248 (4)	7.005	1288122	18.663 ng/ml
33) Aroclor 1248 (5)	7.042	1923625	25.994 ng/ml
34) Aroclor 1248 (6)	7.527	1574406	40.490 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.023	1356850	18.642 ng/ml
37) Aroclor 1254 (2)	7.153	1515218	18.572 ng/ml
38) Aroclor 1254 (3)	7.527	1574406	13.333 ng/ml
39) Aroclor 1254 (4)	7.693	911329	11.966 ng/ml
40) Aroclor 1254 (5)	8.078	1252190	15.956 ng/ml
41) Aroclor 1254 (6)	8.375	290047	11.246 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.647	1328761	13.473 ng/ml
44) Aroclor 1260 (2)	7.779	1629888	13.783 ng/ml
45) Aroclor 1260 (3)	8.344	702495	7.945 ng/ml
46) Aroclor 1260 (4)	8.515	1587481	8.380 ng/ml
47) Aroclor 1260 (5)	8.819	1151413	9.314 ng/ml
48) Aroclor 1260 (6)	9.206	166912	3.247 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.779	1629888	19.289 ng/ml
51) Aroclor 1262 (2)	8.109	758355	6.276 ng/ml
52) Aroclor 1262 (3)	8.344	702495	7.133 ng/ml
53) Aroclor 1262 (4)	8.515	1587481	7.925 ng/ml
54) Aroclor 1262 (5)	8.819	1151413	9.960 ng/ml
55) Aroclor 1262 (6)	9.226	369580	6.105 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.311	347407	6.355 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_12.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 08:48 am
 Operator :
 Sample : A0I0556-41
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:27 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.768	451131	1.868 ng/ml
59)	Aroclor 1268 (3)	8.819	1151413	5.973 ng/ml
60)	Aroclor 1268 (4)	9.001	2936692	15.808 ng/ml
61)	Aroclor 1268 (5)	9.206	166912	2.423 ng/ml
62)	Aroclor 1268 (6)	9.502	5839301	12.569 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

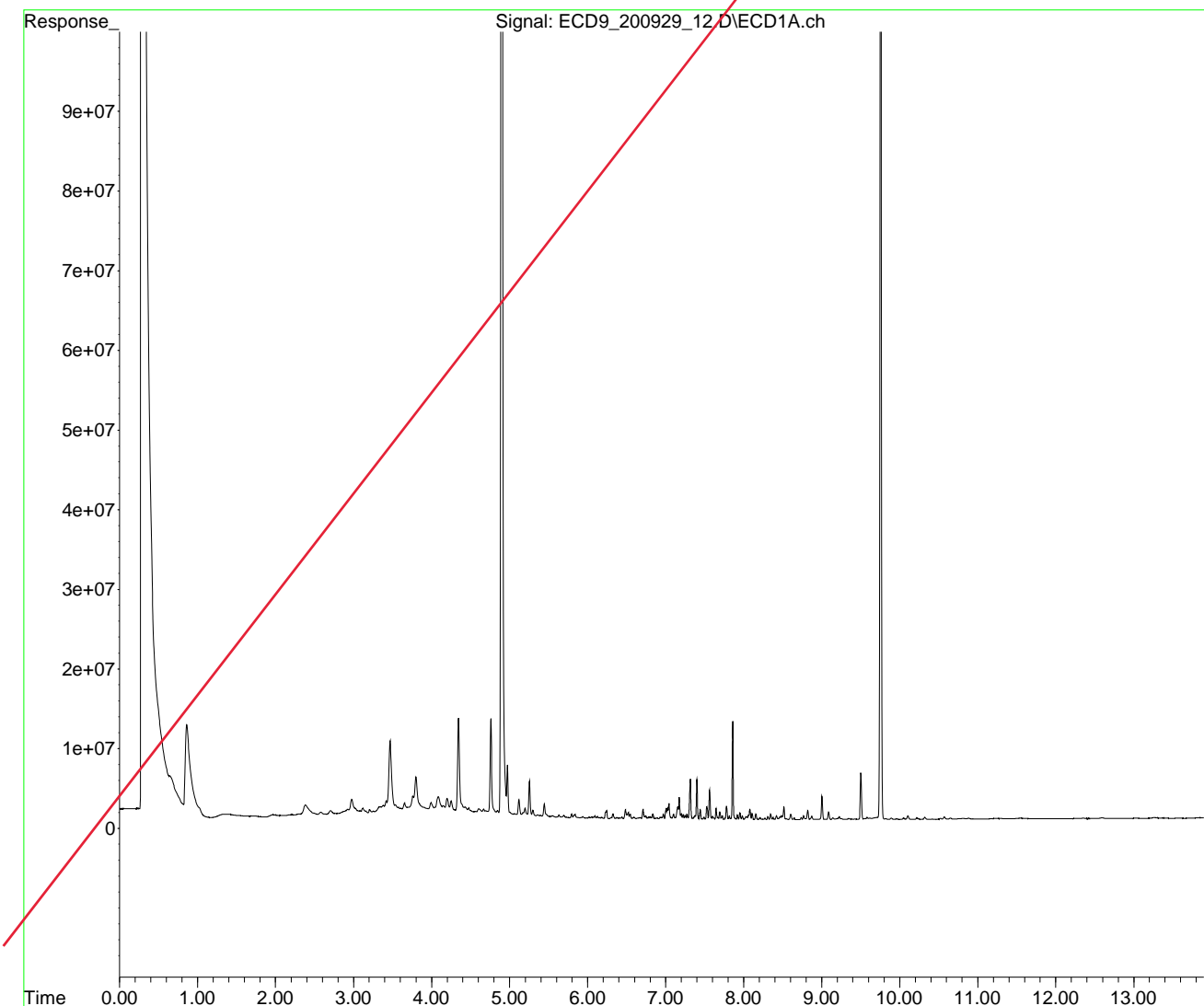
(m)=manual int.

Quantitation Report (Not Reviewed)

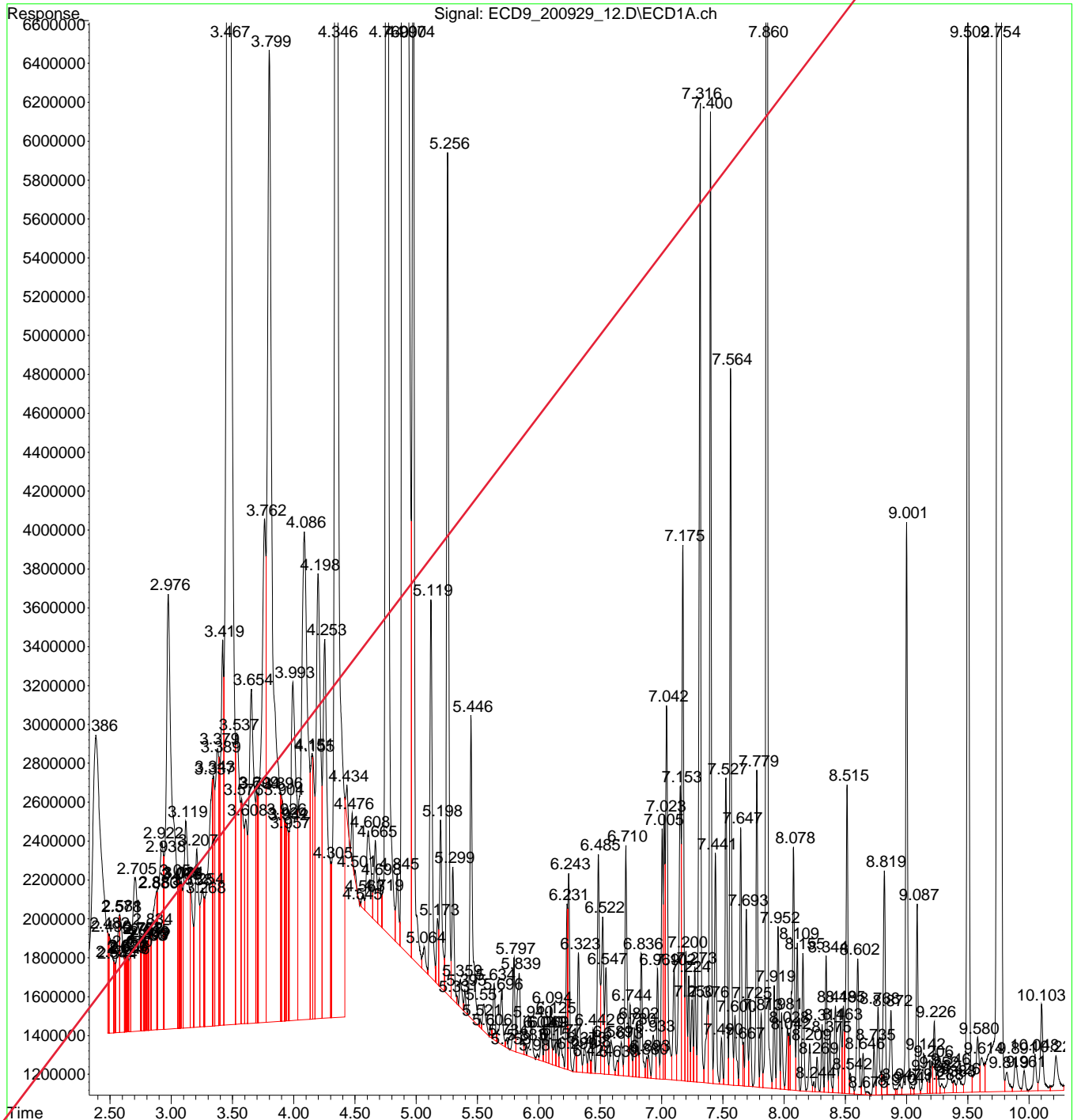
Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_12.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 08:48 am
Operator :
Sample : A0I0556-41
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:27 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



File : C:\Users\organics\Desktop\0I29025\ECD9_200929_12.D
Operator :
Acquired : 29 Sep 2020 08:48 am using AcqMethod ECD9_ACQ_PCBS_200831.M
Instrument : DUALECD9
Sample Name: A0I0556-41
Misc Info :
Vial Number: 5



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_16.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-42
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

KAK 9/29/2020

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:32 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.891	521529967	387.378 ng/ml
64) S DCBP (S)	9.746	444115026	467.431 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.818	39932	0.734 ng/ml
3) Aroclor 1016 (2)	6.233	164596	1.813 ng/ml
4) Aroclor 1016 (3)	6.314	90040	1.605 ng/ml
5) Aroclor 1016 (4)	6.474	248945	5.316 ng/ml
6) Aroclor 1016 (5)	6.698	132557	2.408 ng/ml
7) Aroclor 1016 (6)	6.827	90145	2.371 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.246	9371412	590.765 ng/ml
10) Aroclor 1221 (2)	5.363	7554	0.708 ng/ml
11) Aroclor 1221 (3)	5.436	2087985	61.370 ng/ml
12) Aroclor 1221 (4)	5.923	24133	4.124 ng/ml
13) Aroclor 1221 (5)	6.233	164596	25.673 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.436	2087985	73.460 ng/ml
16) Aroclor 1232 (2)	6.233	164596	4.882 ng/ml
17) Aroclor 1232 (3)	6.314	90040	4.313 ng/ml
18) Aroclor 1232 (4)	6.474	248945	17.686 ng/ml
19) Aroclor 1232 (5)	6.698	132557	7.212 ng/ml
20) Aroclor 1232 (6)	6.827	90145	6.208 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.818	39932	1.079 ng/ml
23) Aroclor 1242 (2)	6.233	164596	2.582 ng/ml
24) Aroclor 1242 (3)	6.314	90040	2.401 ng/ml
25) Aroclor 1242 (4)	6.474	248945	8.330 ng/ml
26) Aroclor 1242 (5)	6.698	132557	3.546 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_16.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-42
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:32 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.827	90145	2.953 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.233	164596	4.157 ng/ml
30)	Aroclor 1248 (2)	6.474	248945	4.553 ng/ml
31)	Aroclor 1248 (3)	6.698	132557	2.042 ng/ml
32)	Aroclor 1248 (4)	7.005	1242178	17.997 ng/ml
33)	Aroclor 1248 (5)	7.029	665471	8.993 ng/ml
34)	Aroclor 1248 (6)	7.518	541918	13.937 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.029	665471	9.143 ng/ml
37)	Aroclor 1254 (2)	7.140	516868	6.335 ng/ml
38)	Aroclor 1254 (3)	7.518	541918	4.589 ng/ml
39)	Aroclor 1254 (4)	7.689	534689	7.020 ng/ml
40)	Aroclor 1254 (5)	8.068	514923	6.562 ng/ml
41)	Aroclor 1254 (6)	8.364	123586	4.792 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.637	530179	5.376 ng/ml
44)	Aroclor 1260 (2)	7.769	719211	6.082 ng/ml
45)	Aroclor 1260 (3)	8.336	385162	4.356 ng/ml
46)	Aroclor 1260 (4)	8.492	1778213	9.387 ng/ml
47)	Aroclor 1260 (5)	8.808	637998	5.161 ng/ml
48)	Aroclor 1260 (6)	9.217	250411	4.871 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.769	719211	8.511 ng/ml
51)	Aroclor 1262 (2)	8.099	424659	3.514 ng/ml
52)	Aroclor 1262 (3)	8.336	385162	3.911 ng/ml
53)	Aroclor 1262 (4)	8.492	1778213	8.877 ng/ml
54)	Aroclor 1262 (5)	8.808	637998	5.519 ng/ml
55)	Aroclor 1262 (6)	9.217	250411	4.137 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.336	385162	7.045 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_16.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:24 am
 Operator :
 Sample : A0I0556-42
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:32 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.759	436640	1.808 ng/ml
59)	Aroclor 1268 (3)	8.808	637998	3.310 ng/ml
60)	Aroclor 1268 (4)	8.992	6174225	33.236 ng/ml
61)	Aroclor 1268 (5)	9.217	250411	3.635 ng/ml
62)	Aroclor 1268 (6)	9.492	14152708	30.464 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

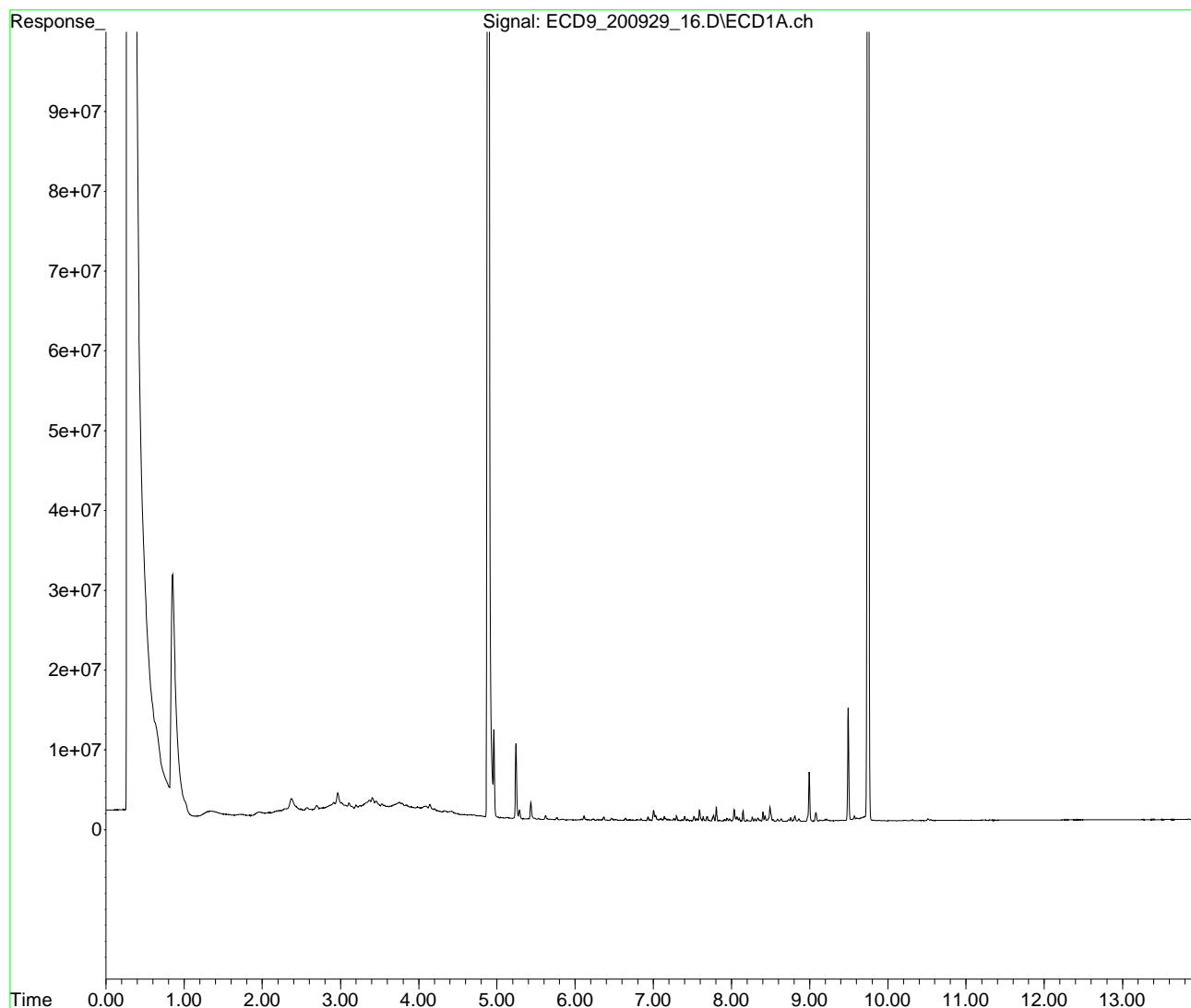
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_16.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:24 am
Operator :
Sample : A0I0556-42
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:32 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_20.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

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Integration File: PCB1.e
 Quant Time: Sep 29 15:05:38 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.890	378526267	281.159 ng/ml
64) S DCBP (S)	9.747	261696130	275.435 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.815	28701513	527.512 ng/ml
3) Aroclor 1016 (2)	6.232	53963435	594.441 ng/ml
4) Aroclor 1016 (3)	6.314	29366744	523.330 ng/ml
5) Aroclor 1016 (4)	6.474	24087294	514.400 ng/ml
6) Aroclor 1016 (5)	6.698	29103303	528.694 ng/ml
7) Aroclor 1016 (6)	6.826	19942713	524.455 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.247	9365008	590.362 ng/ml
10) Aroclor 1221 (2)	5.370	3248496	304.665 ng/ml
11) Aroclor 1221 (3)	5.452	15064240	442.769 ng/ml
12) Aroclor 1221 (4)	5.923	2715545	464.108 ng/ml
13) Aroclor 1221 (5)	6.232	53963435	8416.854 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.452	15064240	529.995 ng/ml
16) Aroclor 1232 (2)	6.232	53963435	1600.473 ng/ml
17) Aroclor 1232 (3)	6.314	29366744	1406.695 ng/ml
18) Aroclor 1232 (4)	6.474	24087294	1711.214 ng/ml
19) Aroclor 1232 (5)	6.698	29103303	1583.403 ng/ml
20) Aroclor 1232 (6)	6.826	19942713	1373.314 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.815	28701513	775.873 ng/ml
23) Aroclor 1242 (2)	6.232	53963435	846.672 ng/ml
24) Aroclor 1242 (3)	6.314	29366744	782.993 ng/ml
25) Aroclor 1242 (4)	6.474	24087294	805.961 ng/ml
26) Aroclor 1242 (5)	6.698	29103303	778.431 ng/ml



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_20.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:38 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.826	19942713	653.272 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.220	43471761	1097.958 ng/ml
30)	Aroclor 1248 (2)	6.474	24087294	440.544 ng/ml
31)	Aroclor 1248 (3)	6.698	29103303	448.236 ng/ml
32)	Aroclor 1248 (4)	6.994	5816731	84.276 ng/ml
33)	Aroclor 1248 (5)	7.030	19583479	264.632 ng/ml
34)	Aroclor 1248 (6)	7.523	38498193	990.078 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.030	19583479	269.057 ng/ml
37)	Aroclor 1254 (2)	7.140	19475474	238.705 ng/ml
38)	Aroclor 1254 (3)	7.523	38498193	326.033 ng/ml
39)	Aroclor 1254 (4)	7.682	5712877	75.010 ng/ml
40)	Aroclor 1254 (5)	8.069	52346926	667.044 ng/ml
41)	Aroclor 1254 (6)	8.366	5757386	223.227 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.636	51828757	525.531 ng/ml
44)	Aroclor 1260 (2)	7.769	64487833	545.336 ng/ml
45)	Aroclor 1260 (3)	8.336	48796935	551.911 ng/ml
46)	Aroclor 1260 (4)	8.507	115013361	607.154 ng/ml
47)	Aroclor 1260 (5)	8.811	71387112	577.475 ng/ml
48)	Aroclor 1260 (6)	9.218	28547589	555.315 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.769	64487833	763.177 ng/ml
51)	Aroclor 1262 (2)	8.100	49004746	405.535 ng/ml
52)	Aroclor 1262 (3)	8.336	48796935	495.490 ng/ml
53)	Aroclor 1262 (4)	8.507	115013361	574.162 ng/ml
54)	Aroclor 1262 (5)	8.811	71387112	617.539 ng/ml
55)	Aroclor 1262 (6)	9.218	28547589	471.572 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.336	48796935	892.595 ng/ml

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Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_20.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 09:59 am
 Operator :
 Sample : 0I29025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:38 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.758	25443771	105.377 ng/ml
59)	Aroclor 1268 (3)	8.811	71387112	370.312 ng/ml
60)	Aroclor 1268 (4)	8.993	5972151	32.149 ng/ml
61)	Aroclor 1268 (5)	9.218	28547589	414.415 ng/ml
62)	Aroclor 1268 (6)	9.493	15118231	32.543 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

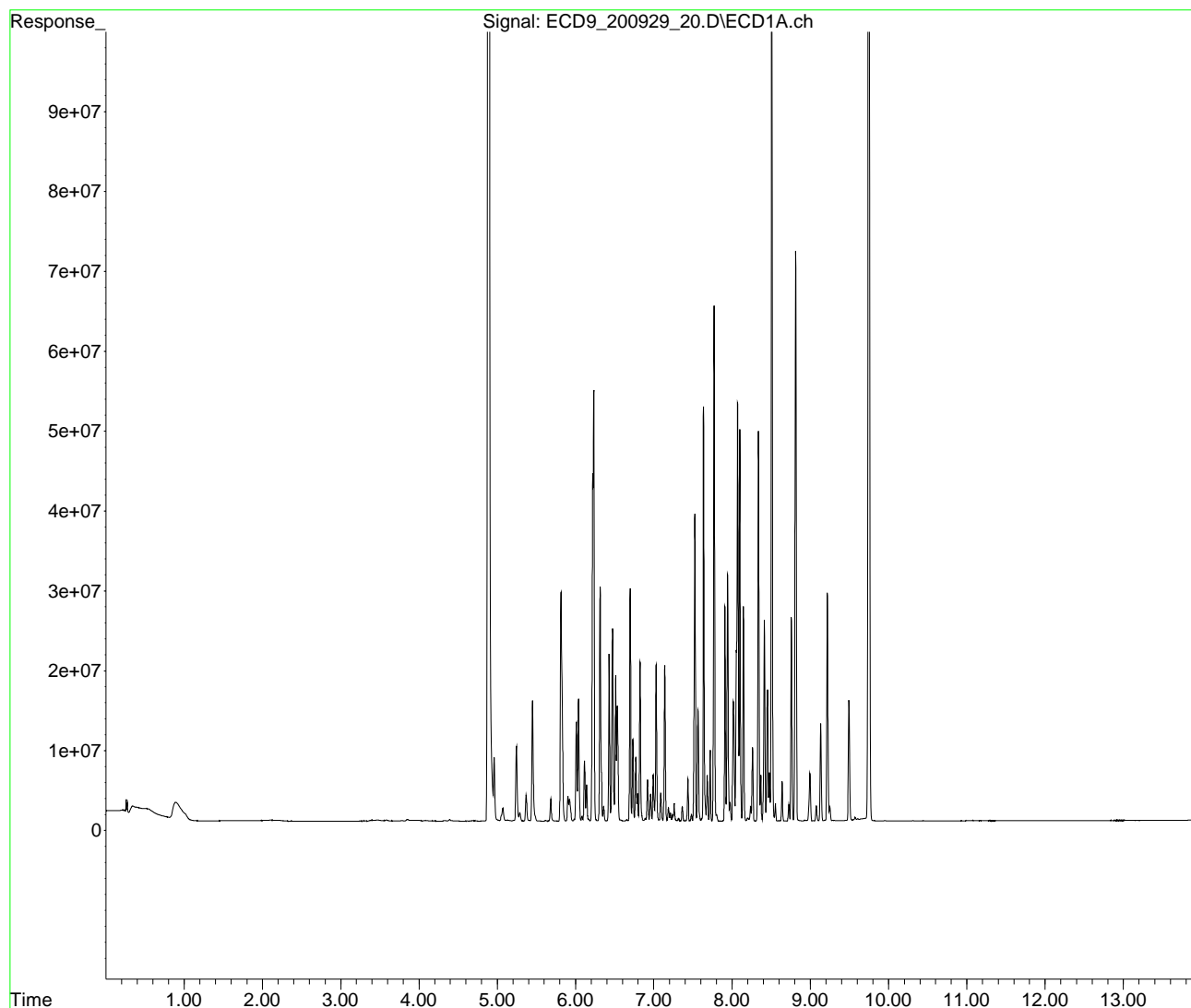
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_20.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 09:59 am
Operator :
Sample : 0I29025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:38 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_22.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

KAK 9/29/2020

Clean

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:43 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.889	155379467	115.412 ng/ml
64) S DCBP (S)	9.745	111374400	117.222 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.811	33677	0.619 ng/ml
3) Aroclor 1016 (2)	6.242	51899	0.572 ng/ml
4) Aroclor 1016 (3)	6.316	41950	0.748 ng/ml
5) Aroclor 1016 (4)	6.467	32471	0.693 ng/ml
6) Aroclor 1016 (5)	6.701	43147	0.784 ng/ml
7) Aroclor 1016 (6)	6.827	43739	1.150 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.245	3263417	205.723 ng/ml
10) Aroclor 1221 (2)	5.364	71536	6.709 ng/ml
11) Aroclor 1221 (3)	5.438	74954	2.203 ng/ml
12) Aroclor 1221 (4)	5.929	30640	5.237 ng/ml
13) Aroclor 1221 (5)	6.242	51899	8.095 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.438	74954	2.637 ng/ml
16) Aroclor 1232 (2)	6.242	51899	1.539 ng/ml
17) Aroclor 1232 (3)	6.316	41950	2.009 ng/ml
18) Aroclor 1232 (4)	6.467	32471	2.307 ng/ml
19) Aroclor 1232 (5)	6.701	43147	2.347 ng/ml
20) Aroclor 1232 (6)	6.827	43739	3.012 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.811	33677	0.910 ng/ml
23) Aroclor 1242 (2)	6.242	51899	0.814 ng/ml
24) Aroclor 1242 (3)	6.316	41950	1.118 ng/ml
25) Aroclor 1242 (4)	6.467	32471	1.086 ng/ml
26) Aroclor 1242 (5)	6.701	43147	1.154 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_22.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:43 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.827	43739	1.433 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.218	54669	1.381 ng/ml
30)	Aroclor 1248 (2)	6.467	32471	0.594 ng/ml
31)	Aroclor 1248 (3)	6.701	43147	0.665 ng/ml
32)	Aroclor 1248 (4)	7.005	1307083	18.938 ng/ml
33)	Aroclor 1248 (5)	7.005	1307083	17.663 ng/ml
34)	Aroclor 1248 (6)	7.515	49009	1.260 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.005	1307083	17.958 ng/ml
37)	Aroclor 1254 (2)	7.139	108578	1.331 ng/ml
38)	Aroclor 1254 (3)	7.515	49009	0.415 ng/ml
39)	Aroclor 1254 (4)	7.703	37618	0.494 ng/ml
40)	Aroclor 1254 (5)	8.080	126932	1.617 ng/ml
41)	Aroclor 1254 (6)	8.365	40474	1.569 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.638	44124	0.447 ng/ml
44)	Aroclor 1260 (2)	7.765	42539	0.360 ng/ml
45)	Aroclor 1260 (3)	8.330	54952	0.622 ng/ml
46)	Aroclor 1260 (4)	8.501	147131	0.777 ng/ml
47)	Aroclor 1260 (5)	8.809	68873	0.557 ng/ml
48)	Aroclor 1260 (6)	9.217	35926	0.699 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.765	42539	0.503 ng/ml
51)	Aroclor 1262 (2)	8.116	34735	0.287 ng/ml
52)	Aroclor 1262 (3)	8.330	54952	0.558 ng/ml
53)	Aroclor 1262 (4)	8.501	147131	0.734 ng/ml
54)	Aroclor 1262 (5)	8.809	68873	0.596 ng/ml
55)	Aroclor 1262 (6)	9.217	35926	0.593 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.330	54952	1.005 ng/ml

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
 Data File : ECD9_200929_22.D
 Signal(s) : ECD1A.ch
 Acq On : 29 Sep 2020 10:17 am
 Operator :
 Sample : 0I29025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Sep 29 15:05:43 2020
 Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Sep 08 16:45:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.761	84681	0.351 ng/ml
59)	Aroclor 1268 (3)	8.809	68873	0.357 ng/ml
60)	Aroclor 1268 (4)	8.992	2360803	12.708 ng/ml
61)	Aroclor 1268 (5)	9.217	35926	0.522 ng/ml
62)	Aroclor 1268 (6)	9.492	4383561	9.436 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

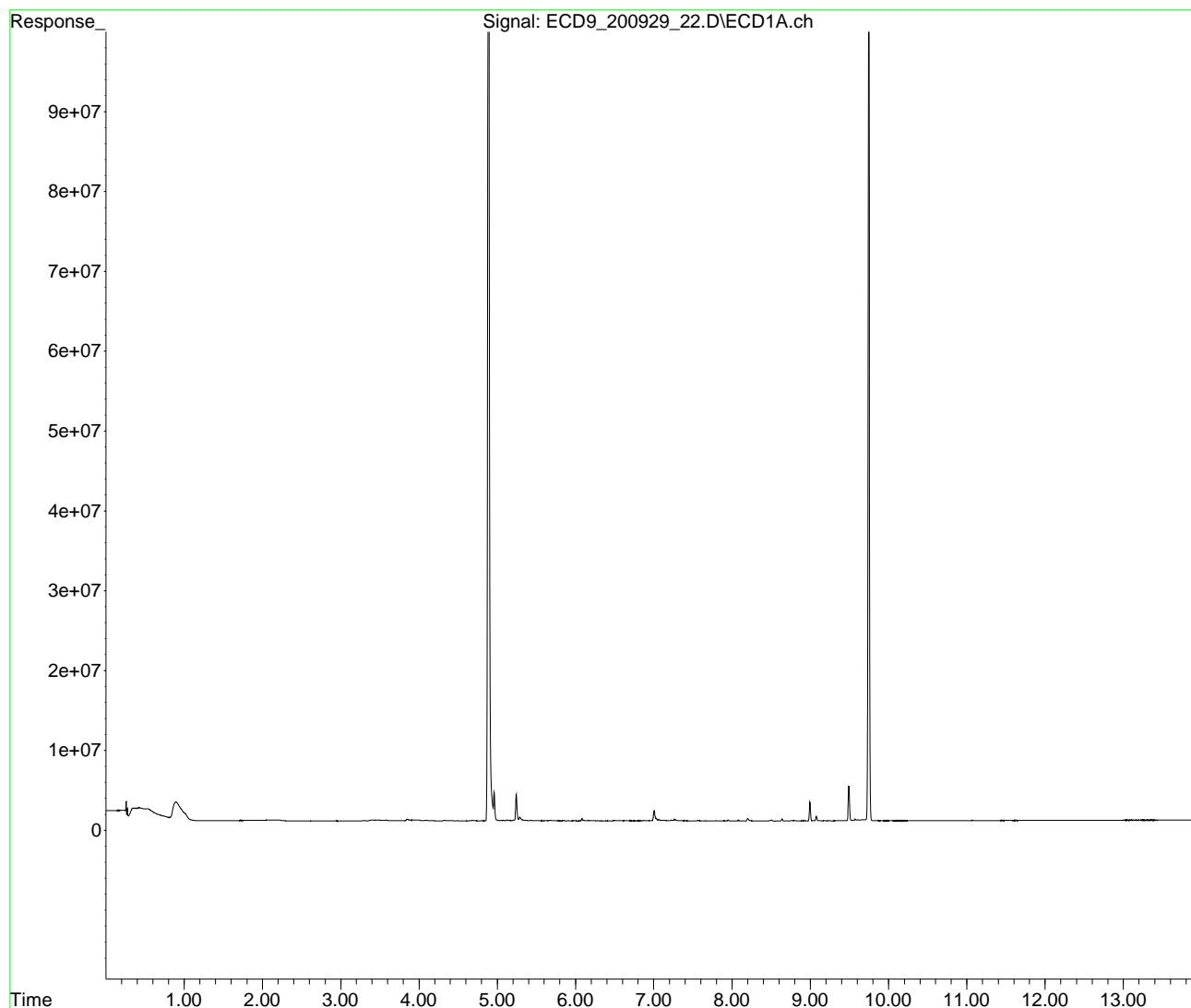
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\Users\organics\Desktop\0I29025\
Data File : ECD9_200929_22.D
Signal(s) : ECD1A.ch
Acq On : 29 Sep 2020 10:17 am
Operator :
Sample : 0I29025-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Sep 29 15:05:43 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_200904.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 08 16:45:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Batch 0090828

Sequence 0129037 (A0I0556-40RE1,41RE1,42RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090828 (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
	0090828-BLK1	QC	09/29/20 07:02	11	5				100					
	0090828-BS1	QC	09/29/20 07:02	10	5	A20H196		100	100					
	A0I0556-40RE1	B 8270D LL PAH Only (Scan)	09/29/20 07:02	10.03	5				100	PDI-018SC-A-00-01-190926	Wrong spike used. Re-extract added 9/28/2020 by DTH			
	0090828-DUP1	QC	09/29/20 07:02	10	5		A0I0556-40RE1		100					
	0090828-DUP2	QC	09/29/20 07:02	10	5		A0I0556-40RE1		100		Added 9/29/2020 by ams			
	A0I0556-41RE1	B 8270D LL PAH Only (Scan)	09/29/20 07:02	10.08	5				100	PDI-018SC-A-01-02-190926	Wrong spike used. Re-extract added 9/28/2020 by DTH			
	A0I0556-42RE1	B 8270D LL PAH Only (Scan)	09/29/20 07:02	10.07	5				100	PDI-018SC-A-02-03-190926	Wrong spike used. Re-extract added 9/28/2020 by DTH			
	0090828-MS1	QC	09/29/20 07:02	10.09	5	A20H196	A0I0556-42RE1	100	100					

Standards/Reagents

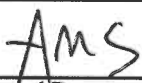
Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20H196	10/08/20	LVI PAH/PCP Spike @2000/5000ng/ml	A20H011	01/11/21	8270E LL PAH Only Surr. (5ppm)
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperture achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____



 Reviewed By: AMS Date 9/29/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0090828 (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
1	0090828-BLK1	QC	09/29/20 07:02	10 11	5 ✓				100				
2	0090828-BS1	QC	09/29/20 07:02	10	5 ✓	A20G264	-SCG, 09/30/20	100	100				
3	A010556-40RE1	B 8270D LL PAH Only (Scan)	09/29/20 07:02	10 10.03	5 ✓	A20H196			100	PDI-018SC-A-00-01-190926	Wrong spike used. Re-extract added 9/28/2020 by DTH Sed(wet), rocks		
4	0090828-DUP1	QC	09/29/20 07:02	10 10.00	5 ✓		A010556-40RE1		100		Sed(wet), rocks		
5	A010556-41RE1	B 8270D LL PAH Only (Scan)	09/29/20 07:02	10 10.08	5 ✓				100	PDI-018SC-A-01-02-190926	Wrong spike used. Re-extract added 9/28/2020 by DTH Sed(wet), org (S)		
6	A010556-42RE1	B 8270D LL PAH Only (Scan)	09/29/20 07:02	10 10.07	5 ✓	A20H196	-SCG, 09/30/20		100	PDI-018SC-A-02-03-190926	Wrong spike used. Re-extract added 9/28/2020 by DTH Sed(wet), org (S)		
7	0090828-MS1	QC	09/29/20 07:02	10 10.09	5 ✓	A20G264		100	100		Sed(wet), org 1		(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	A20G264	10/08/20	LVI PAH Spike @ 2000 ng/ml	A20H011	01/11/21	8270E LL PAH Only Surr. (5ppm)
A20B017	02/01/21	Glass Wool	A20H196	10/08/20	LVI PAH/PLP Spike @ 2000/5000 ng/mL			
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperture achieved.

Initial: SCG

Witness: ASJ 9-29-20

(S) = Staining on turbwrap during concentration

Prepared By: SCG Date: 09/29/2020 ^{-SCG, 09/29/20}

Reviewed By: ANS Date: 9/29/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0129037

Instrument: SV-GCMS14

Date: 09/29/20 08:01

Calibration: A0H1005

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0129037-TUN1	Sediment	QC	QC			A20G263	A201152
2	0129037-IBL1	Sediment	QC	QC			A20G263	
3	0129037-CCV1	Sediment	QC	QC			A20G263	A20H352
4	0129037-CCB1	Sediment	QC	QC			A20G263	
5	0090828-BLK1	Sediment	QC	QC		0090828	A20G263	
6	0090828-BS1	Sediment	QC	QC		0090828	A20G263	
7	A0I0556-42RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	09/30/20	0090828	A20G263	
8	0090828-MS1	Sediment	QC	QC		0090828	A20G263	
9	A0I0556-40RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	09/30/20	0090828	A20G263	
10	0090828-DUP1	Sediment	QC	QC		0090828	A20G263	
11	A0I0556-41RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	09/30/20	0090828	A20G263	
12	0090828-DUP2	Sediment	QC	QC		0090828	A20G263	
13	0129037-IBL2	Sediment	QC	QC			A20G263	

Data Entered By/Date: AMS 9/29/20

Comments:

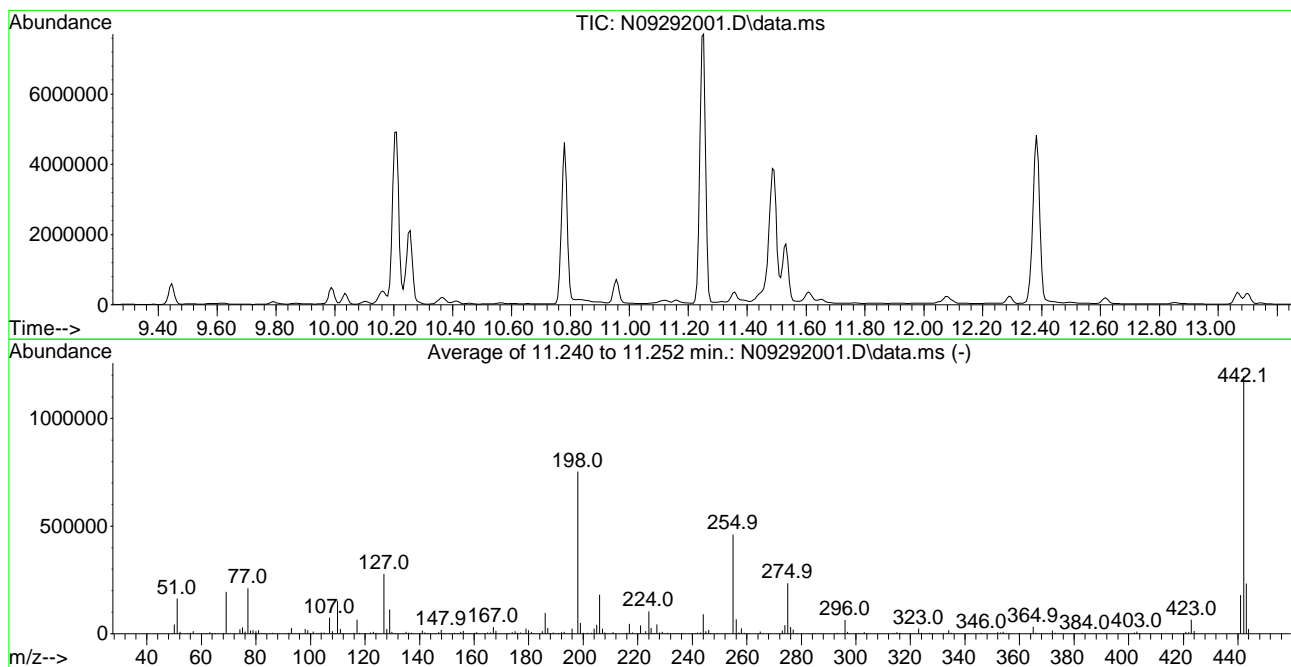
Data Reviewed By/Date: JK 9/29/20

9/29/2020 2:34:29PM

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292001.D
 Acq On : 29 Sep 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-TUN1
 Misc : 1x, A20I029 DFTPP@25
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Fri Aug 07 10:05:11 2020



AutoFind: Scans 1192, 1193, 1194; Background Corrected with Scan 1187

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	3536	PASS
69	69	100	100	100.0	194442	PASS
70	69	0.00	2	0.5	983	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	753836	PASS
199	198	5	9	6.7	50549	PASS
365	198	1	100	4.5	33548	PASS
441	443	0.01	150	77.3	179952	PASS
442	198	0.10	200	158.7	1196501	PASS
443	442	15	24	19.5	232789	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292001.D
 Acq On : 29 Sep 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-TUN1
 Misc : 1x, A20I029 DFTPP@25
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 10:46:35 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Fri Aug 07 10:05:11 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

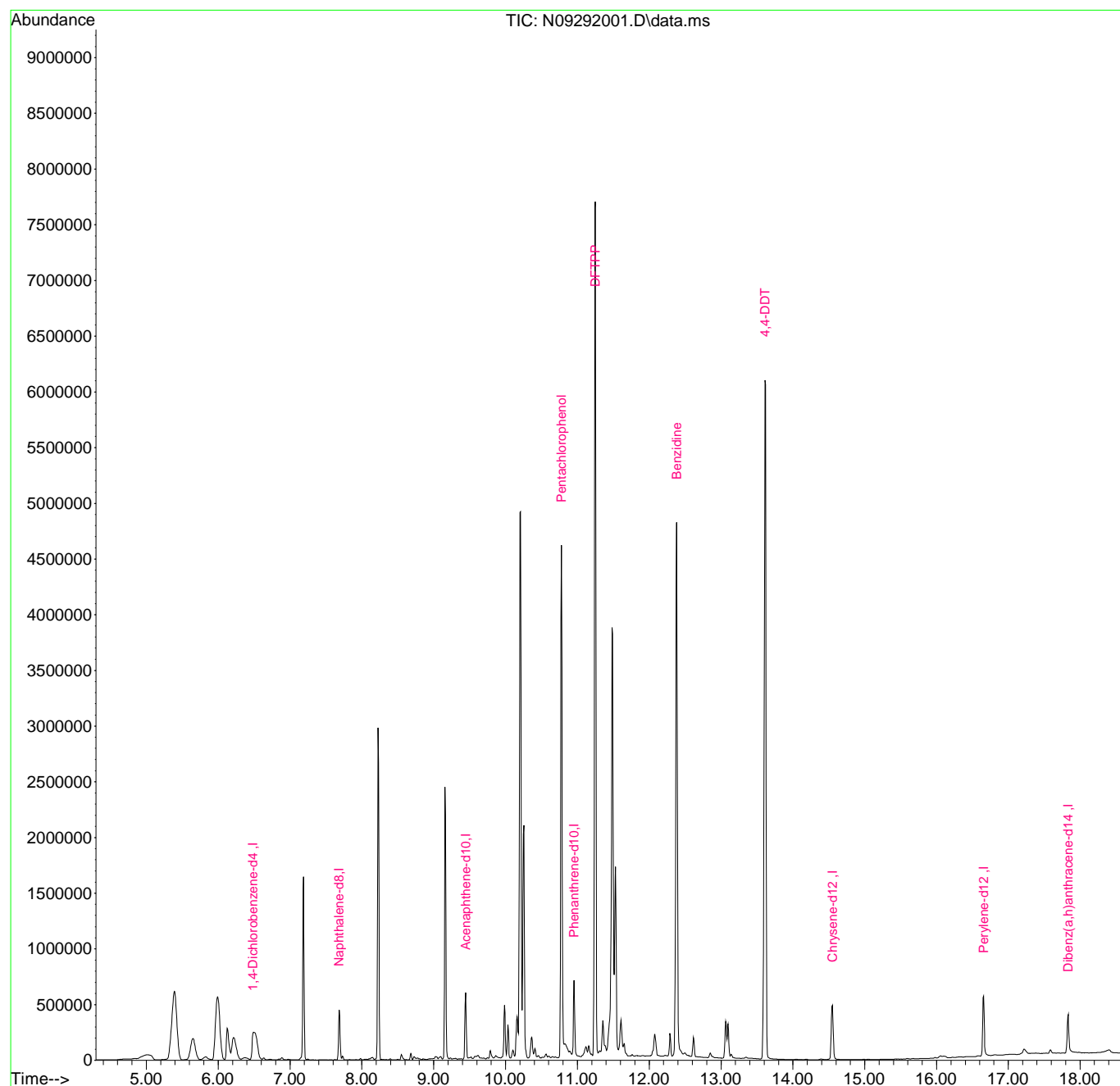
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.484	150	145549	2.00	ug/mL	# 0.00
2) Naphthalene-d8	7.685	136	307940	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.445	162	178396	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.955	188	362885	2.00	ug/mL	0.00
11) Chrysene-d12	14.551	240	356296	2.00	ug/mL	0.00
12) Perylene-d12	16.655	264	323871	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	17.833	292	273284	2.00	ug/mL	# 0.01
Target Compounds						Qvalue
4) Pentachlorophenol	10.780	266	943347	56.00	ug/mL	77
6) DFTPP	11.252	442	1981980	67.65	ug/mL#	59
7) Benzidine	12.383	184	3501272	27.12	ug/mL	96
8) 4,4-DDE	12.616	TIC	257554	No Calib		
9) 4,4-DDD	13.100	TIC	443838	No Calib		
10) 4,4-DDT	13.613	TIC	11190994	30.07	ug/mL	93

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292001.D
Acq On : 29 Sep 2020 08:10 am
Operator : JK/ AMS/ DTH
Sample : 0I29037-TUN1
Misc : 1x, A20I029 DFTPP@25
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 10:46:35 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Fri Aug 07 10:05:11 2020
Response via : Initial Calibration



DDT Breakdown Check (Validated 5/1/2013)

From:

0I29037-TUN1

SV-GCMS 14

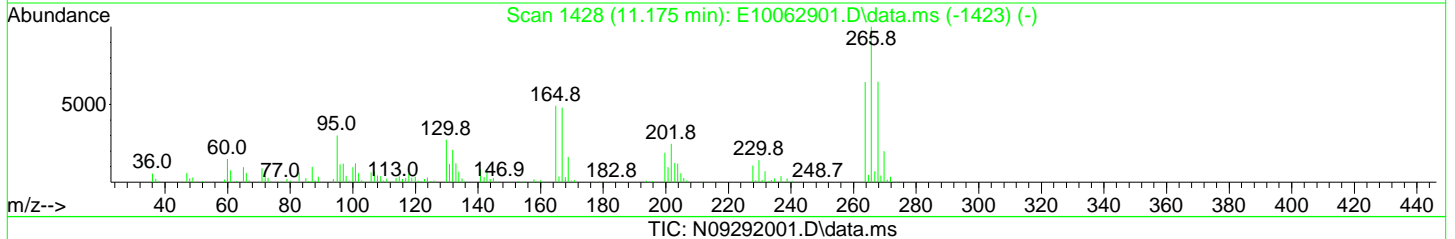
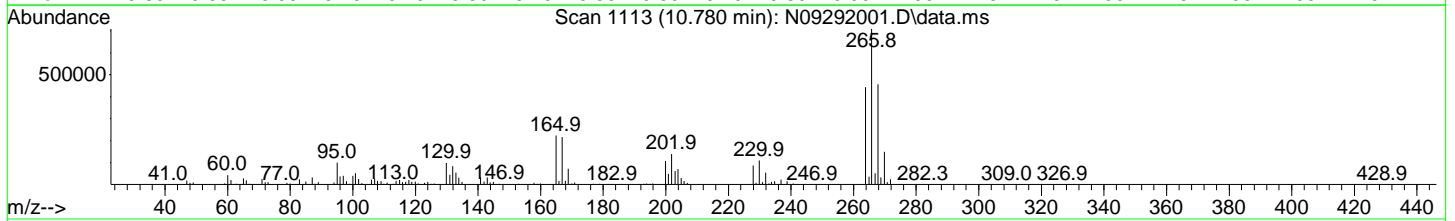
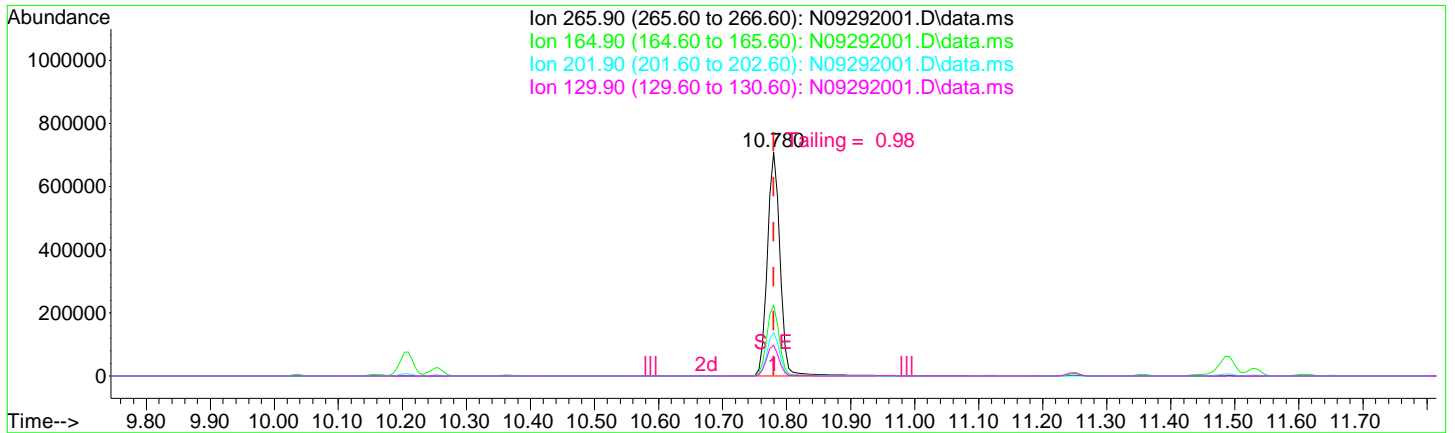
First Column Area Counts	Percent Breakdown		
DDE	257554		
DDD	443838		
DDT	11190994	5.9	PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292001.D
 Acq On : 29 Sep 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-TUN1
 Misc : 1x, A20I029 DFTPP@25
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 10:46:35 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Fri Aug 07 10:05:11 2020
 Response via : Initial Calibration



TIC: N09292001.D\data.ms

(4) Pentachlorophenol

10.780min (0.000) 56.00 ug/mL

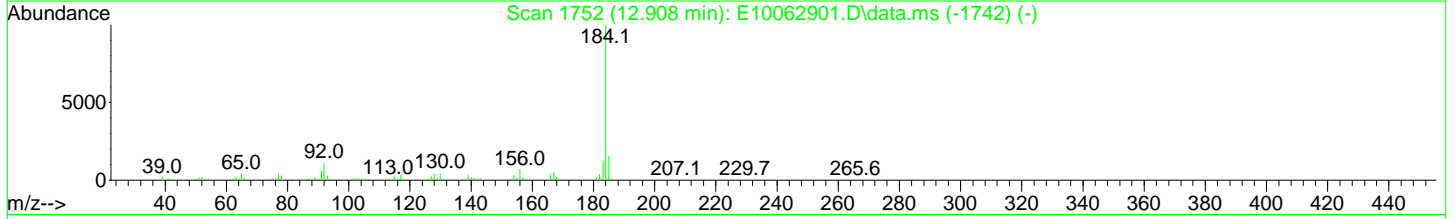
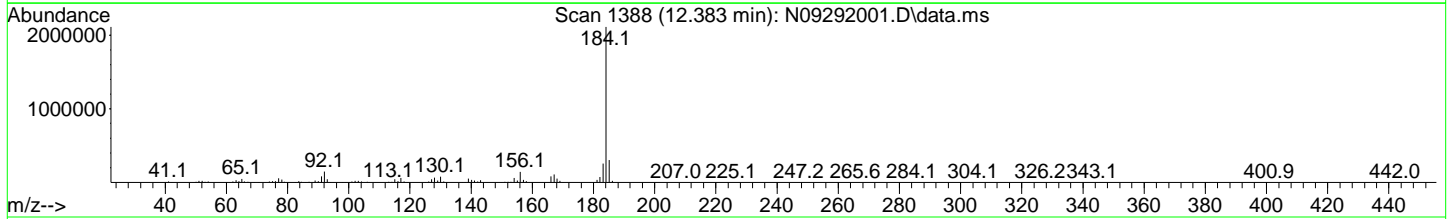
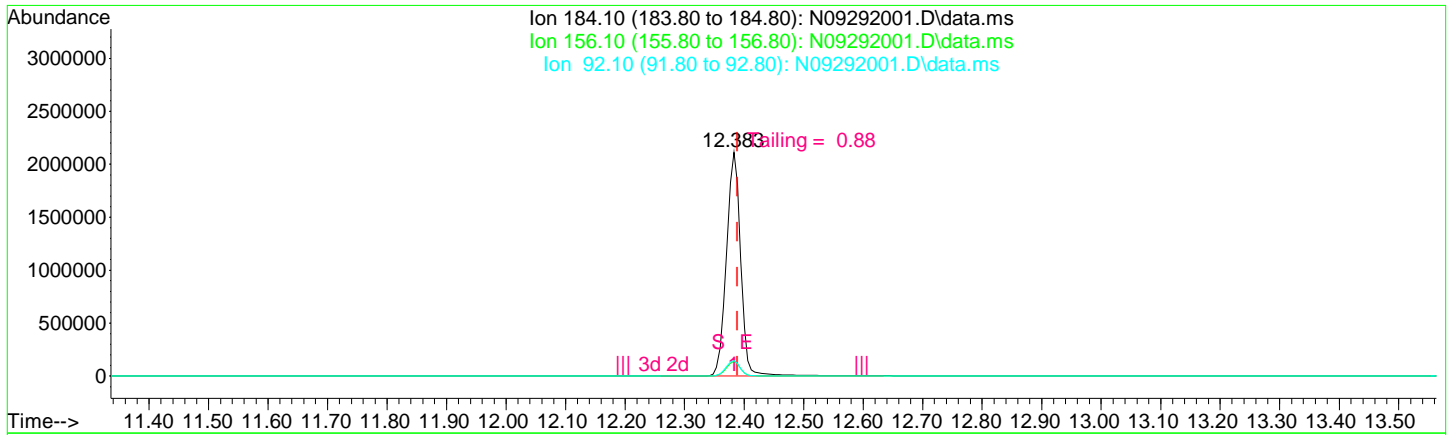
response 943347

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	31.51
201.90	25.80	19.52
129.90	27.30	13.81

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292001.D
 Acq On : 29 Sep 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-TUN1
 Misc : 1x, A20I029 DFTPP@25
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 10:46:35 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Fri Aug 07 10:05:11 2020
 Response via : Initial Calibration



TIC: N09292001.D\data.ms

(7) Benzidine

12.383min (-0.006) 27.12 ug/mL

response 3501272

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.64
92.10	8.20	6.93
0.00	0.00	0.00

Evaluate Continuing Calibration Report

AMS 9/29/20

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292003.D
 Acq On : 29 Sep 2020 09:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCV1
 Misc : 1x, A20H352@100
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 10:48:06 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	95	0.00
2 S	Nitrobenzene-d5 (Surr)	100.000	100.521	-0.5	95	0.00
3 T	Decalin	100.000	87.206	12.8	80	0.00
4 T	Naphthalene	100.000	95.296	4.7	93	0.00
5 T	2-Methylnaphthalene	100.000	106.737	-6.7	97	0.00
6 T	1-Methylnaphthalene	100.000	102.705	-2.7	95	0.00
7 T	1,1'-Biphenyl	100.000	112.324	-12.3	102	0.00
8 T	2,6-Dimethylnaphthalene	100.000	115.561	-15.6	103	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	103	0.00
10 S	2-Fluorobiphenyl (Surr)	100.000	100.500	-0.5	101	0.00
11 T	Acenaphthylene	100.000	104.843	-4.8	101	0.00
12 T	Acenaphthene	100.000	99.614	0.4	103	0.00
13 T	Dibenzofuran	100.000	110.869	-10.9	108	0.00
14 T	1,6,7-Trimethylnaphthalene	100.000	100.835	-0.8	100	0.00
15 T	Fluorene	100.000	109.479	-9.5	104	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	108	0.00
17 S	2,4,6-Tribromophenol (Surr)	100.000	102.348	-2.3	109	0.00
18 T	Pentachlorophenol (PCP)	100.000	104.389	-4.4	115	0.00
19 T	Dibenzothiopene	100.000	100.811	-0.8	107	0.00
20 T	Phenanthrene	100.000	96.074	3.9	105	0.00
21 T	Anthracene	100.000	108.392	-8.4	111	0.00
22 T	Carbazole	100.000	107.372	-7.4	107	0.00
23 T	1-Methylphenanthrene	100.000	99.991	0.0	104	0.00
24 T	Fluoranthene	100.000	102.162	-2.2	103	0.00
25 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	117	0.00
26 T	Pyrene	100.000	91.386	8.6	102	0.00
27 S	Terphenyl-d14 (Surr)	100.000	102.402	-2.4	116	0.00
28 T	Benz(a)anthracene	100.000	95.399	4.6	116	0.00
29 T	Chrysene	100.000	97.551	2.4	114	0.00
30 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	119	0.00

Evaluate Continuing Calibration Report

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292003.D
 Acq On : 29 Sep 2020 09:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCV1
 Misc : 1x, A20H352@100
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 10:48:06 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
31 T	Benzo(b)fluoranthene	100.000	99.125	0.9	114	0.00
32 T	Benzo(k)fluoranthene	100.000	103.667	-3.7	117	0.00
33 T	Benzo(b+k)fluoranthene	200.000	200.992	-0.5	115	0.00
34 T	Benzo(e)pyrene	100.000	100.435	-0.4	113	0.01
35 T	Benzo(a)pyrene	100.000	104.796	-4.8	117	0.00
36 T	Perylene	100.000	97.886	2.1	115	0.00
37 I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	116	0.00
38 T	Indeno(1,2,3-cd)Pyrene	100.000	98.512	1.5	112	0.00
39 T	Dibenz(a,h)anthracene	100.000	101.101	-1.1	112	0.00
40 T	Benzo(g,h,i)perylene	100.000	103.790	-3.8	112	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292003.D
 Acq On : 29 Sep 2020 09:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCV1
 Misc : 1x, A20H352@100
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 10:48:06 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.743	136	228579	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	165446	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	335704	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.638	240	320974	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.089	264	290316	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	218507	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	64366	100.52	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.810	172	237739	100.50	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	43351	102.35	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.732	244	316018	102.40	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	11834	87.21	ng/ml		81
4) Naphthalene	7.761	128	224626	95.30	ng/ml		99
5) 2-Methylnaphthalene	8.448	142	181924	106.74	ng/ml		97
6) 1-Methylnaphthalene	8.548	142	175170	102.70	ng/ml		97
7) 1,1'-Biphenyl	8.909	154	243639	112.32	ng/ml		95
8) 2,6-Dimethylnaphthalene	9.072	156	183699	115.56	ng/ml		96
11) Acenaphthylene	9.352	152	290730	104.84	ng/ml		99
12) Acenaphthene	9.527	153	201852	99.61	ng/ml		99
13) Dibenzofuran	9.702	168	282459	110.87	ng/ml		92
14) 1,6,7-Trimethylnaphtha...	9.911	170	185262	100.84	ng/ml		99
15) Fluorene	10.045	166	225844	109.48	ng/ml		99
18) Pentachlorophenol (PCP)	10.821	266	18706	104.39	ng/ml		99
19) Dibenzothiopene	10.891	184	328642	100.81	ng/ml		93
20) Phenanthrene	11.019	178	349067	96.07	ng/ml		100
21) Anthracene	11.071	178	322572	108.39	ng/ml		99
22) Carbazole	11.240	167	237530	107.37	ng/ml		98
23) 1-Methylphenanthrene	11.643	192	261217	99.99	ng/ml		98
24) Fluoranthene	12.260	202	385044	102.16	ng/ml		95
26) Pyrene	12.540	202	392761	91.39	ng/ml		99
28) Benz(a)anthracene	14.615	228	306117	95.40	ng/ml		100
29) Chrysene	14.697	228	323441	97.55	ng/ml		100
31) Benzo(b)fluoranthene	17.180	252	291800	99.13	ng/ml		90
32) Benzo(k)fluoranthene	17.244	252	287902	103.67	ng/ml		90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292003.D
 Acq On : 29 Sep 2020 09:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCV1
 Misc : 1x, A20H352@100
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 10:48:06 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

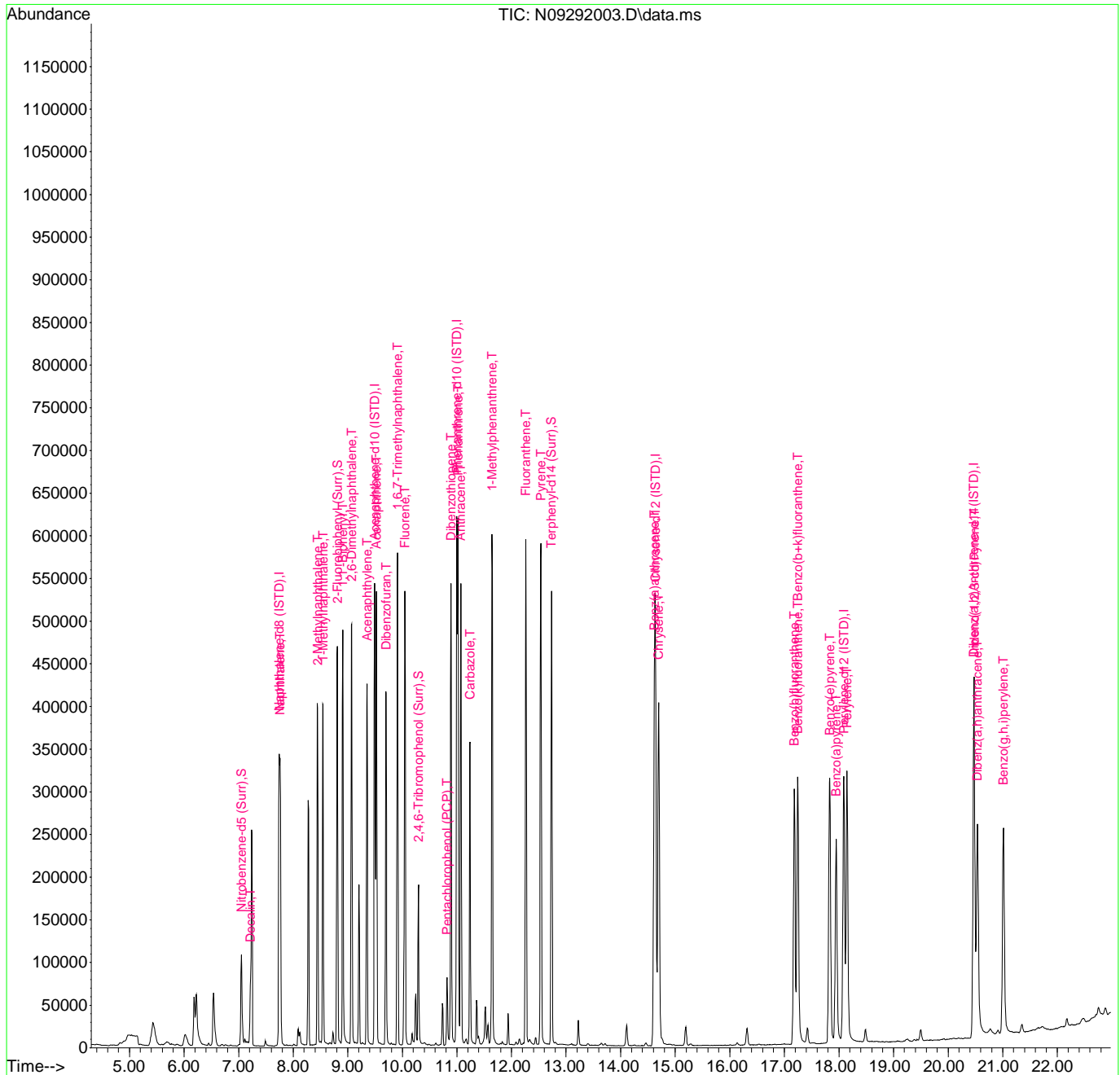
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.244	252	602162	200.99	ng/ml	90
34) Benzo(e)pyrene	17.833	252	294035	100.44	ng/ml	97
35) Benzo(a)pyrene	17.949	252	223665	104.80	ng/ml	95
36) Perylene	18.147	252	310197	97.89	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.479	276	231669	98.51	ng/ml	73
39) Dibenz(a,h)anthracene	20.537	278	233770	101.10	ng/ml	78
40) Benzo(g,h,i)perylene	21.015	276	248166	103.79	ng/ml	73

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292003.D
Acq On : 29 Sep 2020 09:09 am
Operator : JK/ AMS/ DTH
Sample : 0I29037-CCV1
Misc : 1x, A20H352@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 10:48:06 2020
Quant Method : U:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Data Path : U:\data\2020-09\0I29037\
 Data File : N09292004.D
 Acq On : 29 Sep 2020 09:40 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 10:48:51 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	234451	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	161915	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	323701	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	255267	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	225886	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	185034	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml	
27) Terphenyl-d14 (Surr)	12.732	244	94	0.04	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0		N.D.	
4) Naphthalene	7.772	128	188		N.D.	
5) 2-Methylnaphthalene	0.000		0		N.D.	
6) 1-Methylnaphthalene	0.000		0		N.D.	
7) 1,1'-Biphenyl	8.915	154	114		N.D.	
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.	
11) Acenaphthylene	9.352	152	163		N.D.	
12) Acenaphthene	0.000		0		N.D.	
13) Dibenzofuran	9.707	168	86		N.D.	
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.	
15) Fluorene	0.000		0		N.D.	
18) Pentachlorophenol (PCP)	10.832	266	160	9.93	ng/ml#	36
19) Dibenzothiopene	0.000		0		N.D.	
20) Phenanthrene	11.019	178	378		N.D.	
21) Anthracene	11.071	178	56		N.D.	
22) Carbazole	11.246	167	181		N.D.	
23) 1-Methylphenanthrene	0.000		0		N.D.	
24) Fluoranthene	0.000		0		N.D.	
26) Pyrene	0.000		0		N.D.	
28) Benz(a)anthracene	14.627	228	745		N.D.	
29) Chrysene	14.685	228	157		N.D.	
31) Benzo(b)fluoranthene	17.186	252	118		N.D.	
32) Benzo(k)fluoranthene	17.244	252	135		N.D.	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292004.D
 Acq On : 29 Sep 2020 09:40 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 10:48:51 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

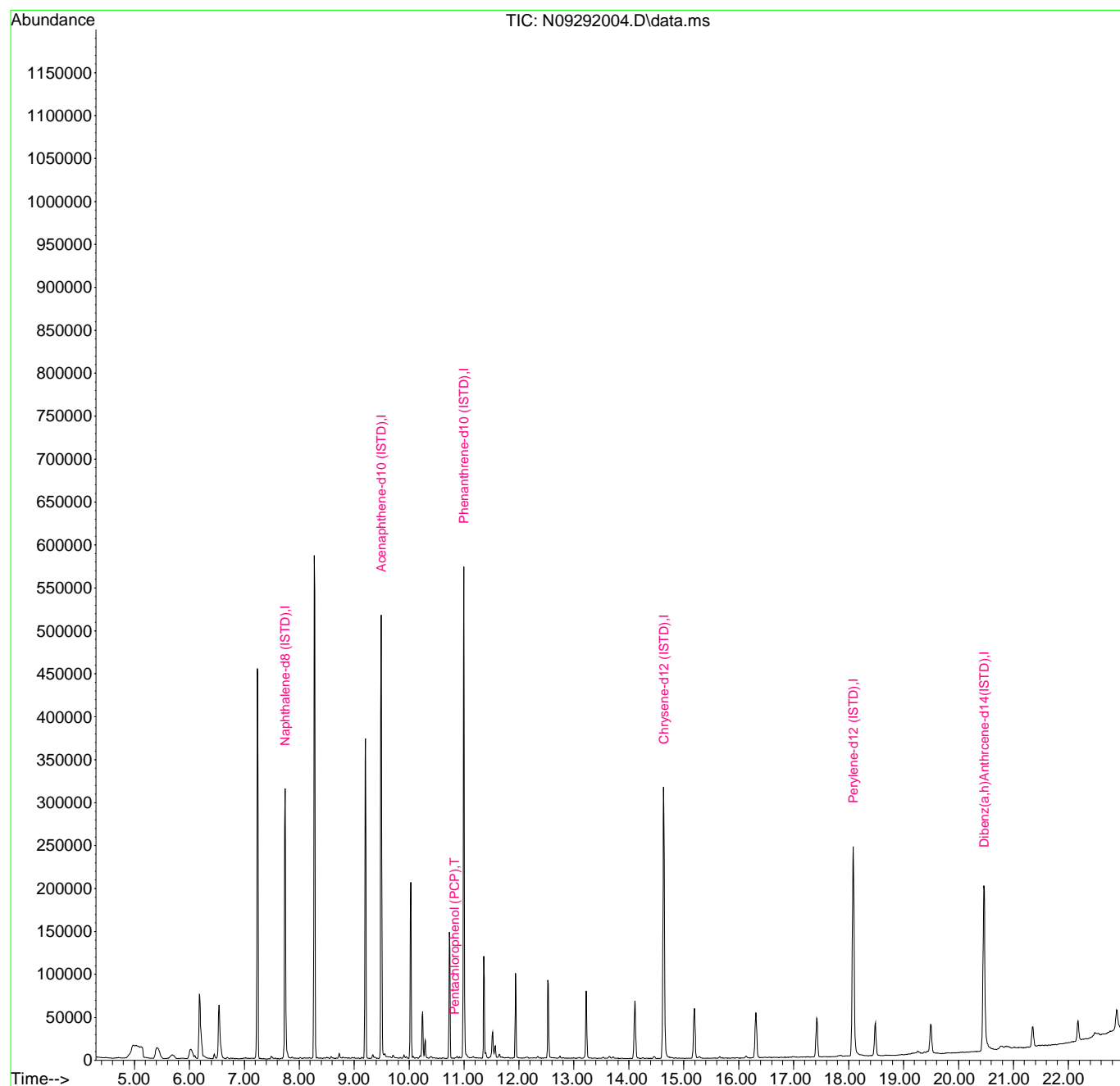
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.244	252	135			N.D.
34) Benzo(e)pyrene	17.821	252	188			N.D.
35) Benzo(a)pyrene	17.937	252	154			N.D.
36) Perylene	18.141	252	198			N.D.
38) Indeno(1,2,3-cd)Pyrene	20.467	276	268			N.D.
39) Dibenz(a,h)anthracene	20.531	278	167			N.D.
40) Benzo(g,h,i)perylene	21.015	276	115			N.D.

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292004.D
Acq On : 29 Sep 2020 09:40 am
Operator : JK/ AMS/ DTH
Sample : 0I29037-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 10:48:51 2020
Quant Method : U:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292004.D
 Acq On : 29 Sep 2020 09:40 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 10:48:51 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	234451	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	161915	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	323701	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	255267	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	225886	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	185034	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml	
27) Terphenyl-d14 (Surr)	12.732	244	94	0.04	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0		N.D.	
4) Naphthalene	7.772	128	188		N.D.	
5) 2-Methylnaphthalene	0.000		0		N.D.	
6) 1-Methylnaphthalene	0.000		0		N.D.	
7) 1,1'-Biphenyl	8.915	154	114		N.D.	
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.	
11) Acenaphthylene	9.352	152	163		N.D.	
12) Acenaphthene	0.000		0		N.D.	
13) Dibenzofuran	9.707	168	86		N.D.	
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.	
15) Fluorene	0.000		0		N.D.	
18) Pentachlorophenol (PCP)	10.832	266	160	9.93	ng/ml#	36
19) Dibenzothiopene	0.000		0		N.D.	
20) Phenanthrene	11.019	178	378		N.D.	
21) Anthracene	11.071	178	56		N.D.	
22) Carbazole	11.246	167	181		N.D.	
23) 1-Methylphenanthrene	0.000		0		N.D.	
24) Fluoranthene	0.000		0		N.D.	
26) Pyrene	0.000		0		N.D.	
28) Benz(a)anthracene	14.627	228	745		N.D.	
29) Chrysene	14.685	228	157		N.D.	
31) Benzo(b)fluoranthene	17.186	252	118		N.D.	
32) Benzo(k)fluoranthene	17.244	252	135		N.D.	

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292004.D
 Acq On : 29 Sep 2020 09:40 am
 Operator : JK/ AMS/ DTH
 Sample : 0I29037-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 10:48:51 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

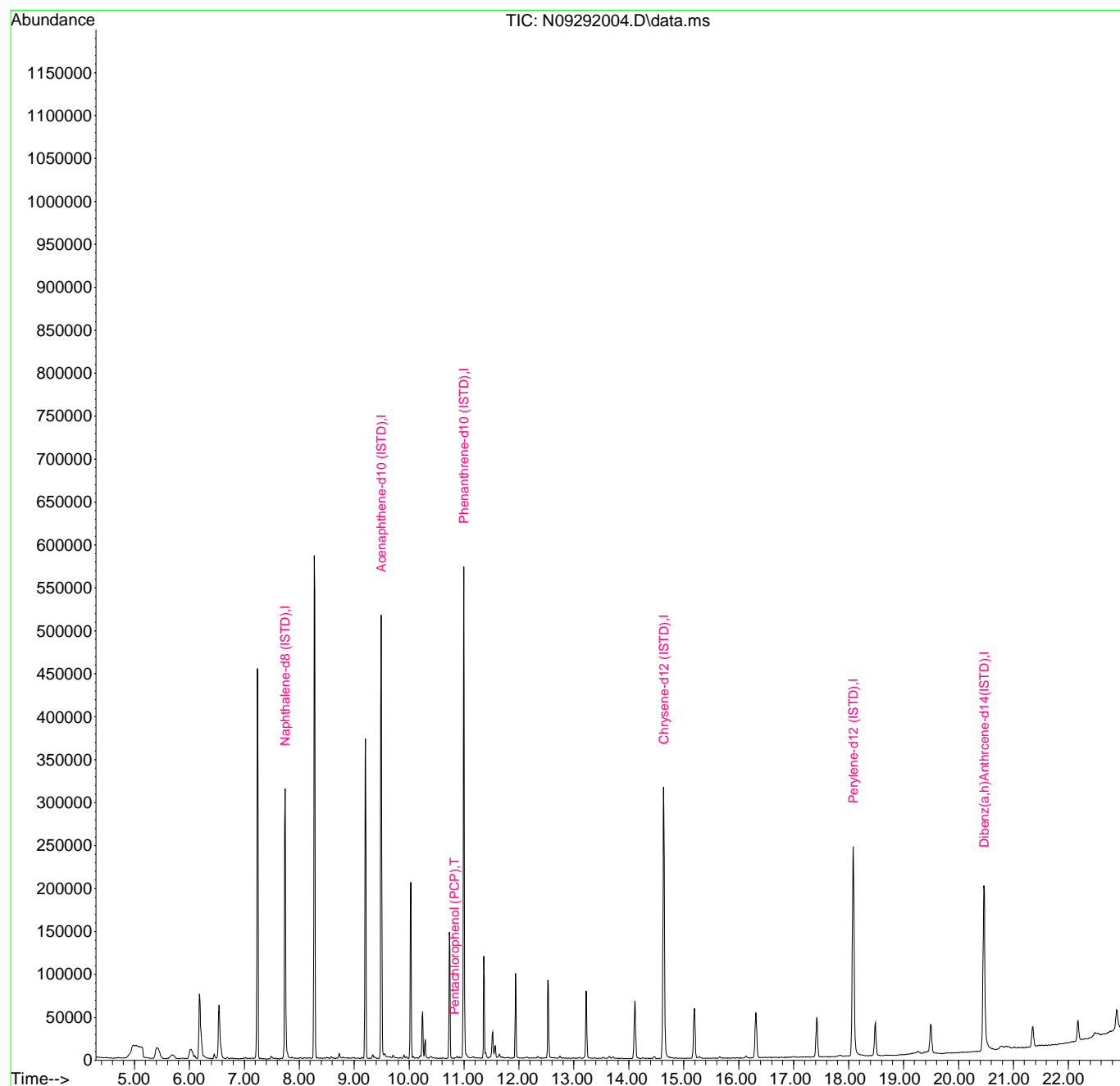
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.244	252	135			N.D.
34) Benzo(e)pyrene	17.821	252	188			N.D.
35) Benzo(a)pyrene	17.937	252	154			N.D.
36) Perylene	18.141	252	198			N.D.
38) Indeno(1,2,3-cd)Pyrene	20.467	276	268			N.D.
39) Dibenz(a,h)anthracene	20.531	278	167			N.D.
40) Benzo(g,h,i)perylene	21.015	276	115			N.D.

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292004.D
Acq On : 29 Sep 2020 09:40 am
Operator : JK/ AMS/ DTH
Sample : 0I29037-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 10:48:51 2020
Quant Method : U:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



AMS 9/29/20

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292005.D
 Acq On : 29 Sep 2020 10:12 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 10:49:24 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	220629	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	151021	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	299784	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	279689	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	252106	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	200076	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	50335	81.44	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	187276	86.73	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.290	330	38881	102.78	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.733	244	281489	104.68	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.761	128	2598	1.14	ng/ml		100
5) 2-Methylnaphthalene	8.443	142	658	N.D.			
6) 1-Methylnaphthalene	8.542	142	397	N.D.			
7) 1,1'-Biphenyl	8.903	154	942	0.45	ng/ml		87
8) 2,6-Dimethylnaphthalene	9.072	156	498	N.D.			
11) Acenaphthylene	9.346	152	453	N.D.			
12) Acenaphthene	9.521	153	2074	1.12	ng/ml		99
13) Dibenzofuran	9.696	168	327	N.D.			
14) 1,6,7-Trimethylnaphtha...	9.906	170	313	N.D.			
15) Fluorene	10.046	166	806	0.43	ng/ml		82
18) Pentachlorophenol (PCP)	10.821	266	386	11.54	ng/ml		91
19) Dibenzothiopene	10.891	184	658	N.D.			
20) Phenanthrene	11.019	178	3873	1.19	ng/ml		97
21) Anthracene	11.071	178	745	N.D.			
22) Carbazole	11.240	167	390	N.D.			
23) 1-Methylphenanthrene	11.643	192	589	N.D.			
24) Fluoranthene	12.260	202	2689	0.80	ng/ml		93
26) Pyrene	12.534	202	3308	0.88	ng/ml		95
28) Benz(a)anthracene	14.627	228	1424	0.51	ng/ml		85
29) Chrysene	14.685	228	890	N.D.			
31) Benzo(b)fluoranthene	17.174	252	887	N.D.			
32) Benzo(k)fluoranthene	17.174	252	1105	0.46	ng/ml		93

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292005.D
 Acq On : 29 Sep 2020 10:12 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 10:49:24 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

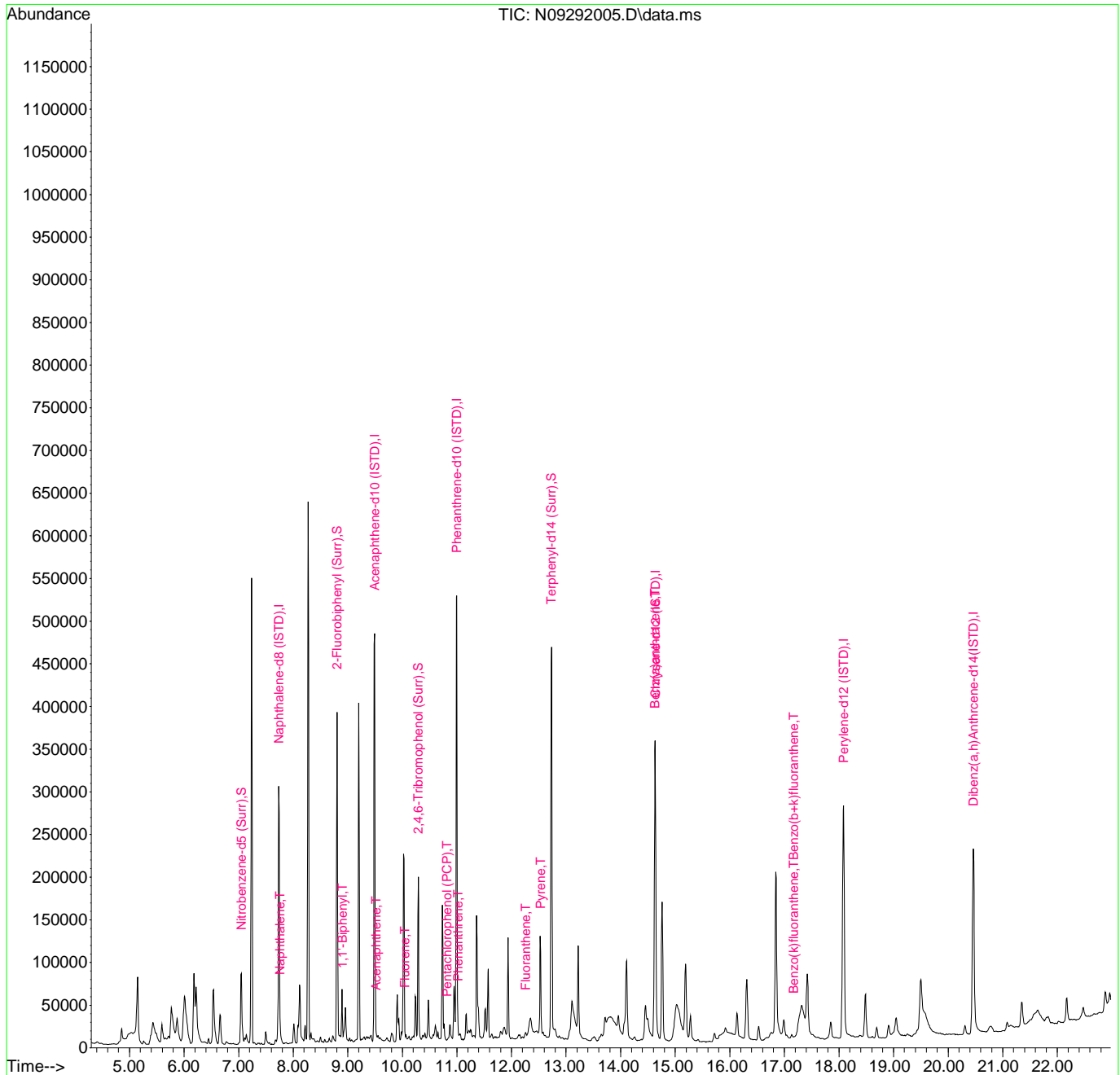
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.174	252	1370	0.53	ng/ml	93
34) Benzo(e)pyrene	17.821	252	753	N.D.		
35) Benzo(a)pyrene	17.938	252	695	N.D.		
36) Perylene	18.142	252	439	N.D.		
38) Indeno(1,2,3-cd)Pyrene	20.473	276	631	N.D.		
39) Dibenz(a,h)anthracene	20.525	278	240	N.D.		
40) Benzo(g,h,i)perylene	21.003	276	686	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292005.D
Acq On : 29 Sep 2020 10:12 am
Operator : JK/ AMS/ DTH
Sample : 0090828-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 10:49:24 2020
Quant Method : U:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292005.D
 Acq On : 29 Sep 2020 10:12 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 10:49:24 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	220629	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	151021	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	299784	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	279689	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	252106	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	200076	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	50335	81.44	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	187276	86.73	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.290	330	38881	102.78	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.733	244	281489	104.68	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.761	128	2598	1.14	ng/ml		100
5) 2-Methylnaphthalene	8.443	142	658	N.D.			
6) 1-Methylnaphthalene	8.542	142	397	N.D.			
7) 1,1'-Biphenyl	8.903	154	942	0.45	ng/ml		87
8) 2,6-Dimethylnaphthalene	9.072	156	498	N.D.			
11) Acenaphthylene	9.346	152	453	N.D.			
12) Acenaphthene	9.521	153	2074	1.12	ng/ml		99
13) Dibenzofuran	9.696	168	327	N.D.			
14) 1,6,7-Trimethylnaphtha...	9.906	170	313	N.D.			
15) Fluorene	10.046	166	806	0.43	ng/ml		82
18) Pentachlorophenol (PCP)	10.821	266	386	11.54	ng/ml		91
19) Dibenzothiopene	10.891	184	658	N.D.			
20) Phenanthrene	11.019	178	3873	1.19	ng/ml		97
21) Anthracene	11.071	178	745	N.D.			
22) Carbazole	11.240	167	390	N.D.			
23) 1-Methylphenanthrene	11.643	192	589	N.D.			
24) Fluoranthene	12.260	202	2689	0.80	ng/ml		93
26) Pyrene	12.534	202	3308	0.88	ng/ml		95
28) Benz(a)anthracene	14.627	228	1424	0.51	ng/ml		85
29) Chrysene	14.685	228	890	N.D.			
31) Benzo(b)fluoranthene	17.174	252	887	N.D.			
32) Benzo(k)fluoranthene	17.174	252	1105	0.46	ng/ml		93

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292005.D
 Acq On : 29 Sep 2020 10:12 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 10:49:24 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

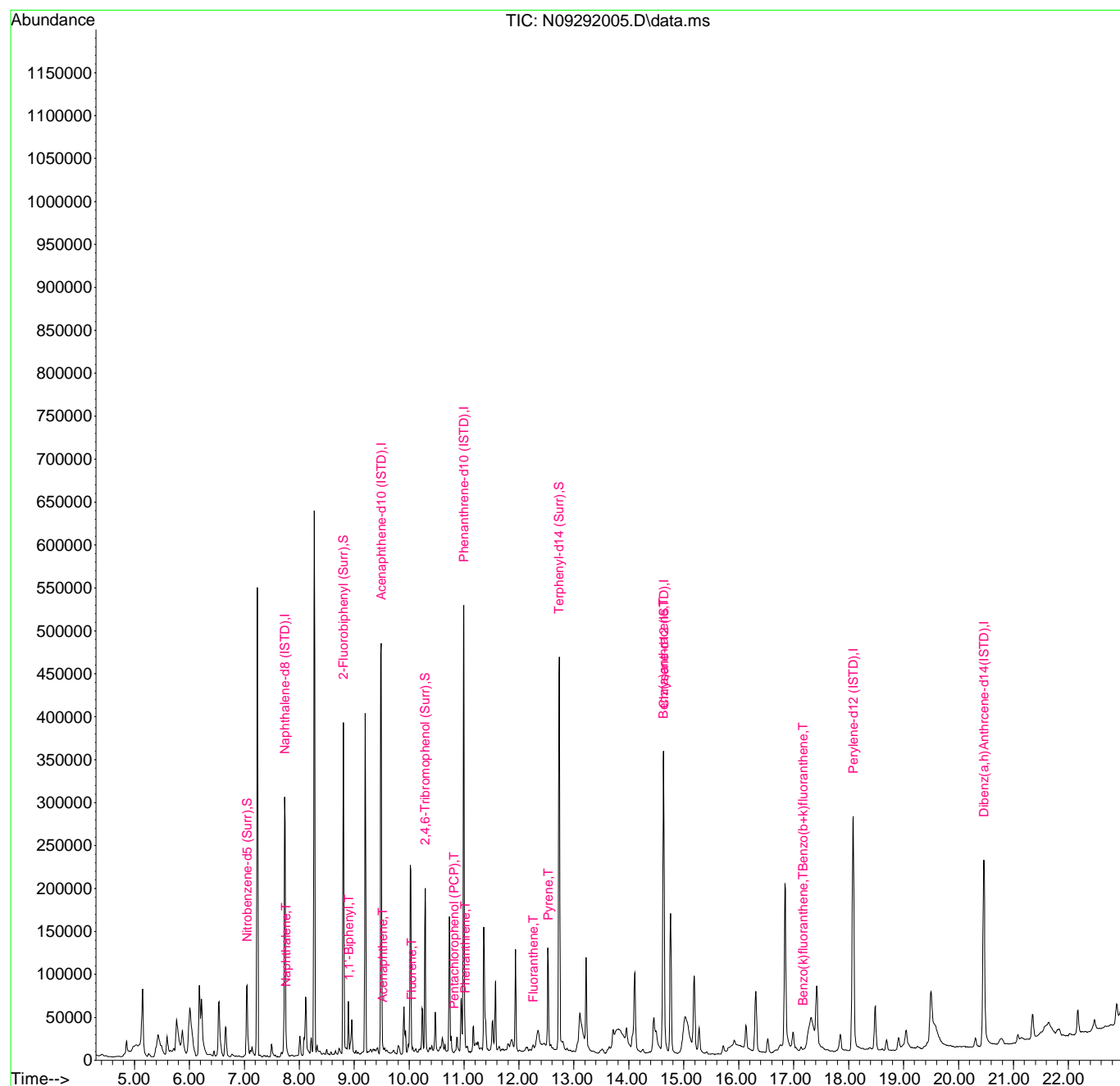
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.174	252	1370	0.53	ng/ml	93
34) Benzo(e)pyrene	17.821	252	753	N.D.		
35) Benzo(a)pyrene	17.938	252	695	N.D.		
36) Perylene	18.142	252	439	N.D.		
38) Indeno(1,2,3-cd)Pyrene	20.473	276	631	N.D.		
39) Dibenz(a,h)anthracene	20.525	278	240	N.D.		
40) Benzo(g,h,i)perylene	21.003	276	686	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292005.D
Acq On : 29 Sep 2020 10:12 am
Operator : JK/ AMS/ DTH
Sample : 0090828-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 10:49:24 2020
Quant Method : U:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



AMS 9/29/20

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292006.D
 Acq On : 29 Sep 2020 10:44 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 11:14:30 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	217951	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	155757	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	322128	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	316045	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	284191	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthracene-d...	20.467	292	219818	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	50043	81.96	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	198878	89.30	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	42444	104.35	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.732	244	298201	98.14	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.219	138	4134	31.95	ng/ml#	77
4) Naphthalene	7.761	128	87485	38.92	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	66183	40.72	ng/ml	96
6) 1-Methylnaphthalene	8.542	142	64279	39.53	ng/ml	97
7) 1,1'-Biphenyl	8.909	154	89624	43.33	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.066	156	65843	43.44	ng/ml	98
11) Acenaphthylene	9.346	152	111891	42.86	ng/ml	98
12) Acenaphthene	9.521	153	83393	43.71	ng/ml	100
13) Dibenzofuran	9.696	168	102722	42.83	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.906	170	68751	39.75	ng/ml	98
15) Fluorene	10.045	166	86717	44.65	ng/ml	100
18) Pentachlorophenol (PCP)	10.815	266	18154	105.33	ng/ml	98
19) Dibenzothiopene	10.891	184	117624	37.60	ng/ml	93
20) Phenanthrene	11.019	178	135238	38.79	ng/ml	99
21) Anthracene	11.071	178	123735	43.33	ng/ml	99
22) Carbazole	11.234	167	93344	43.97	ng/ml	98
23) 1-Methylphenanthrene	11.642	192	98933	39.47	ng/ml	98
24) Fluoranthene	12.260	202	150391	41.58	ng/ml	95
26) Pyrene	12.534	202	153200	36.20	ng/ml	99
28) Benz(a)anthracene	14.615	228	123602	39.12	ng/ml	99
29) Chrysene	14.691	228	122923	37.65	ng/ml	100
31) Benzo(b)fluoranthene	17.180	252	112448	39.02	ng/ml	90
32) Benzo(k)fluoranthene	17.244	252	111659	41.07	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292006.D
 Acq On : 29 Sep 2020 10:44 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 11:14:30 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

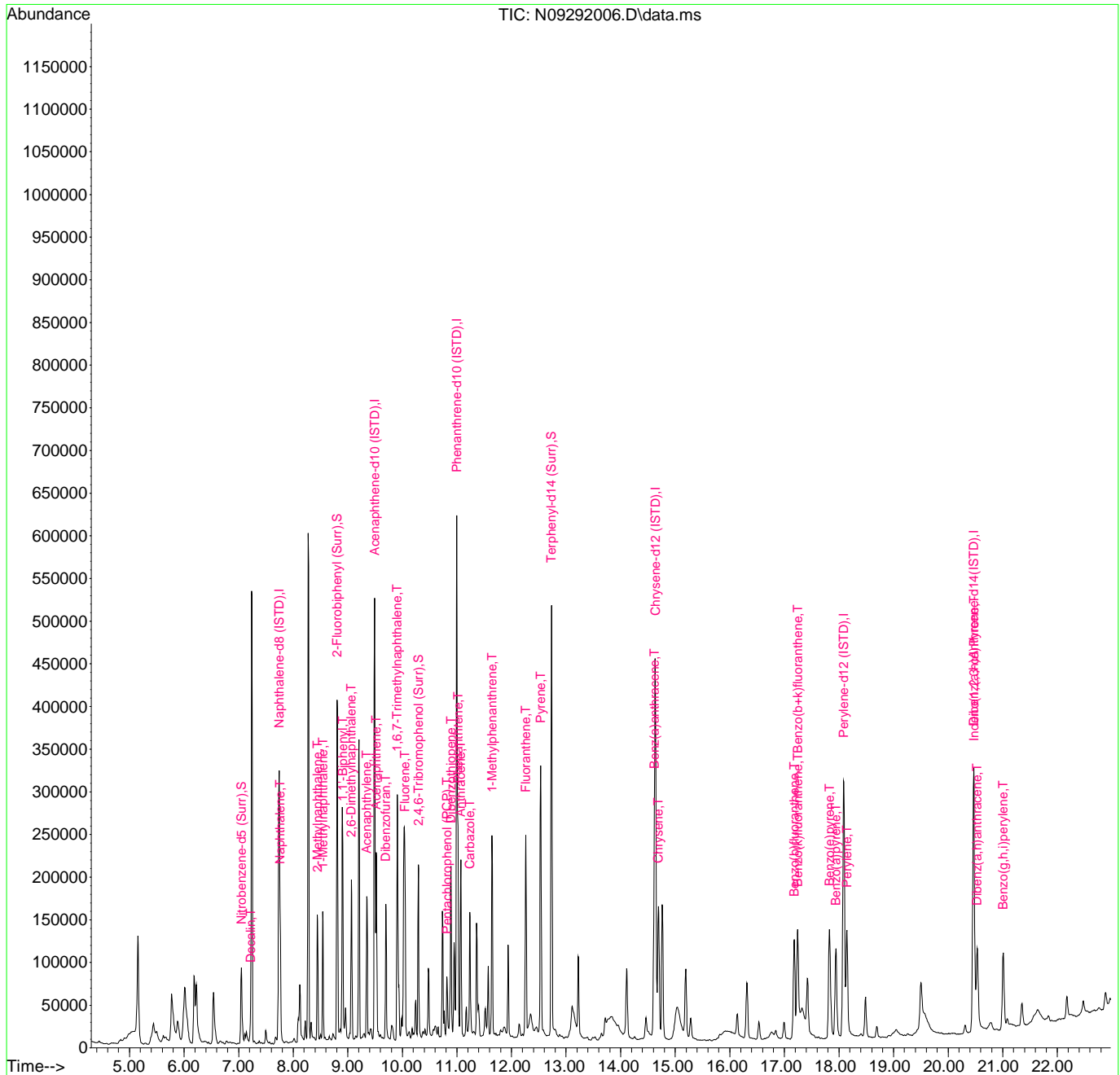
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.244	252	233815	79.73	ng/ml	90
34) Benzo(e)pyrene	17.827	252	111565	38.93	ng/ml	97
35) Benzo(a)pyrene	17.943	252	95710	45.81	ng/ml	95
36) Perylene	18.147	252	116686	37.61	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.473	276	87675	37.06	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	83455	35.88	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	92006	38.25	ng/ml	73

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292006.D
 Acq On : 29 Sep 2020 10:44 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 11:14:30 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292006.D
 Acq On : 29 Sep 2020 10:44 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 11:14:30 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	217951	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	155757	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	322128	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	316045	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	284191	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	219818	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	50043	81.96	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	198878	89.30	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	42444	104.35	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.732	244	298201	98.14	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.219	138	4134	31.95	ng/ml#	77
4) Naphthalene	7.761	128	87485	38.92	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	66183	40.72	ng/ml	96
6) 1-Methylnaphthalene	8.542	142	64279	39.53	ng/ml	97
7) 1,1'-Biphenyl	8.909	154	89624	43.33	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.066	156	65843	43.44	ng/ml	98
11) Acenaphthylene	9.346	152	111891	42.86	ng/ml	98
12) Acenaphthene	9.521	153	83393	43.71	ng/ml	100
13) Dibenzofuran	9.696	168	102722	42.83	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.906	170	68751	39.75	ng/ml	98
15) Fluorene	10.045	166	86717	44.65	ng/ml	100
18) Pentachlorophenol (PCP)	10.815	266	18154	105.33	ng/ml	98
19) Dibenzothiopene	10.891	184	117624	37.60	ng/ml	93
20) Phenanthrene	11.019	178	135238	38.79	ng/ml	99
21) Anthracene	11.071	178	123735	43.33	ng/ml	99
22) Carbazole	11.234	167	93344	43.97	ng/ml	98
23) 1-Methylphenanthrene	11.642	192	98933	39.47	ng/ml	98
24) Fluoranthene	12.260	202	150391	41.58	ng/ml	95
26) Pyrene	12.534	202	153200	36.20	ng/ml	99
28) Benz(a)anthracene	14.615	228	123602	39.12	ng/ml	99
29) Chrysene	14.691	228	122923	37.65	ng/ml	100
31) Benzo(b)fluoranthene	17.180	252	112448	39.02	ng/ml	90
32) Benzo(k)fluoranthene	17.244	252	111659	41.07	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292006.D
 Acq On : 29 Sep 2020 10:44 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 11:14:30 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

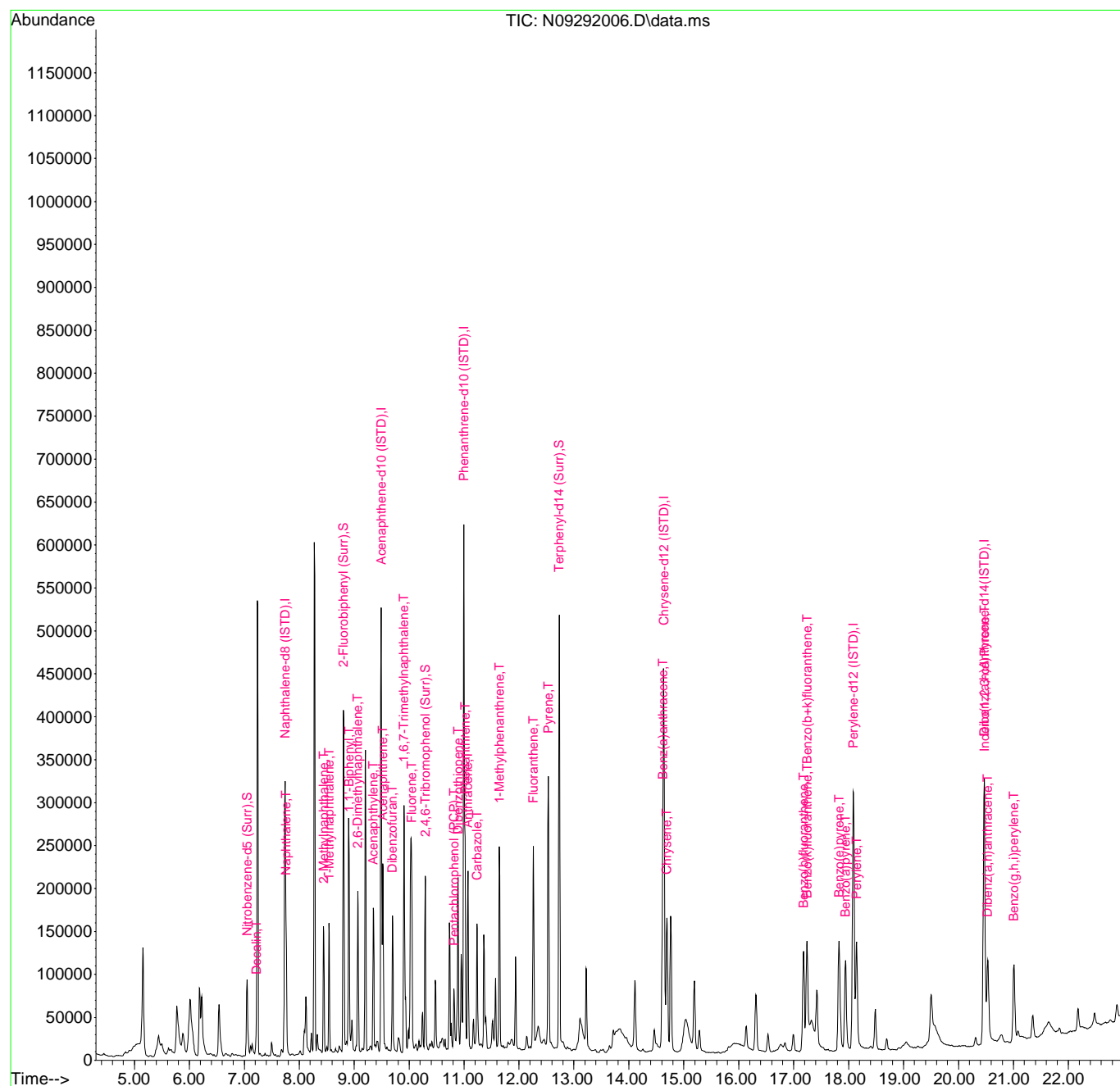
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.244	252	233815	79.73	ng/ml	90
34) Benzo(e)pyrene	17.827	252	111565	38.93	ng/ml	97
35) Benzo(a)pyrene	17.943	252	95710	45.81	ng/ml	95
36) Perylene	18.147	252	116686	37.61	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.473	276	87675	37.06	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	83455	35.88	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	92006	38.25	ng/ml	73

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292006.D
 Acq On : 29 Sep 2020 10:44 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 11:14:30 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

M05

Quant Time: Sep 29 11:49:17 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	241051	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	162139	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	327640	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	333627	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	317549	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthracene-d...	20.467	292	245099	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.056	82	101	0.15	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.810	172	201	0.09	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	66	2.08	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	554	0.17	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.761	128	63743	25.64	ng/ml	100
5) 2-Methylnaphthalene	8.449	142	5151	2.87	ng/ml	95
6) 1-Methylnaphthalene	8.548	142	1960	1.09	ng/ml	99
7) 1,1'-Biphenyl	8.909	154	2732	1.19	ng/ml	99
8) 2,6-Dimethylnaphthalene	9.072	156	1069	0.64	ng/ml	98
11) Acenaphthylene	9.352	152	32936	12.12	ng/ml	99
12) Acenaphthene	9.521	153	34096	17.17	ng/ml	99
13) Dibenzofuran	9.702	168	1552	0.62	ng/ml	84
14) 1,6,7-Trimethylnaphtha...	9.900	170	1467	0.81	ng/ml	78
15) Fluorene	10.046	166	4622	2.29	ng/ml	90
18) Pentachlorophenol (PCP)	10.827	266	220	10.29	ng/ml#	72
19) Dibenzothiopene	10.891	184	14237	4.47	ng/ml	93
20) Phenanthrene	11.019	178	44240	12.48	ng/ml	99
21) Anthracene	11.071	178	36311	12.50	ng/ml	98
22) Carbazole	11.241	167	2091	0.97	ng/ml	94
23) 1-Methylphenanthrene	11.625	192	8404	3.30	ng/ml#	1
24) Fluoranthene	12.261	202	325187	88.40	ng/ml	95
26) Pyrene	12.540	202	520085	116.42	ng/ml	99
28) Benz(a)anthracene	14.615	228	109987	32.98	ng/ml	73
29) Chrysene	14.691	228	156231	45.33	ng/ml	99
31) Benzo(b)fluoranthene	17.186	252	137843	42.81	ng/ml	91
32) Benzo(k)fluoranthene	17.238	252	50050m	16.48	ng/ml	M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:49:17 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

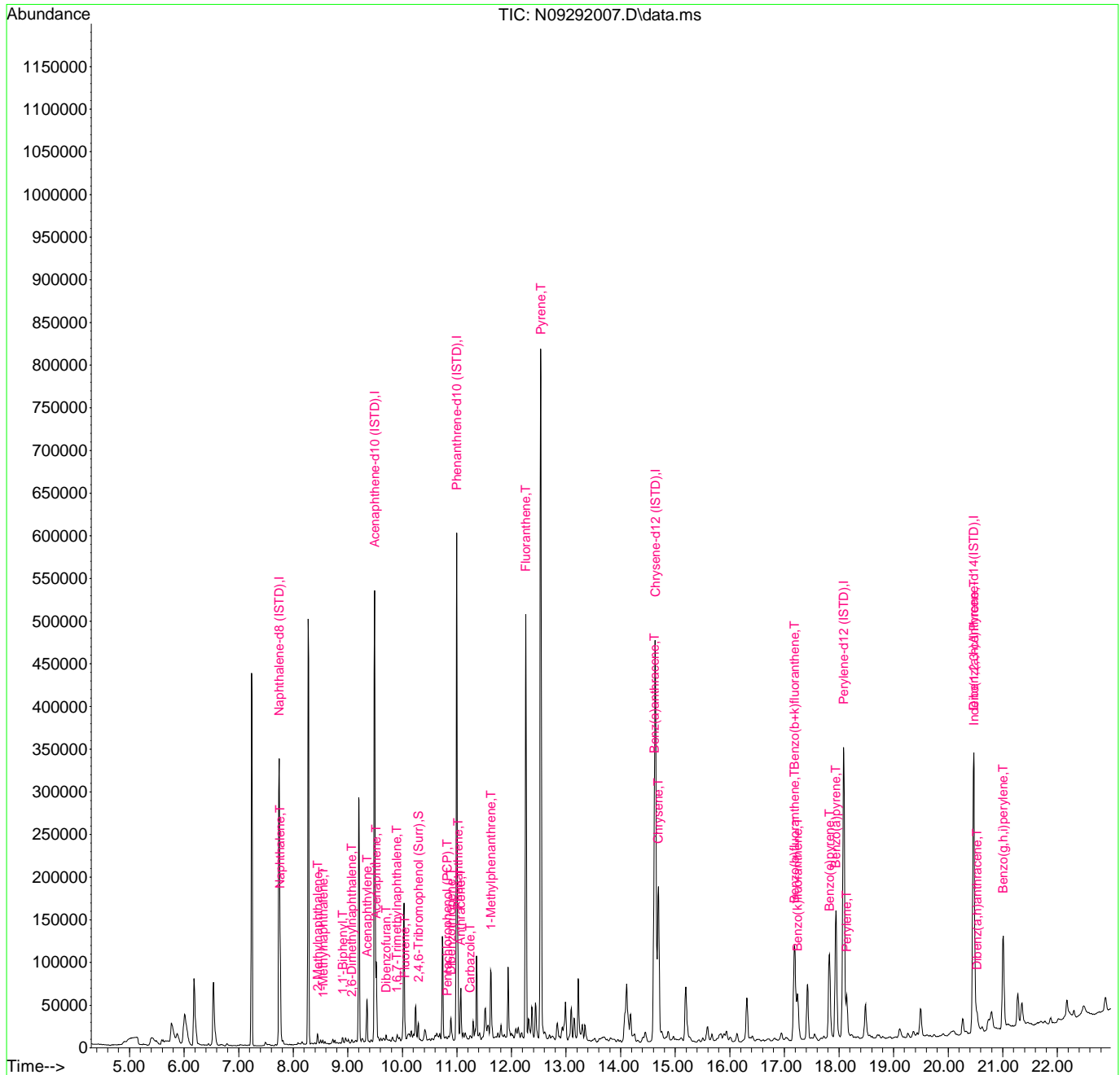
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	194708	59.42	ng/ml	89
34) Benzo(e)pyrene	17.827	252	91733	28.65	ng/ml	98
35) Benzo(a)pyrene	17.943	252	136026	58.27	ng/ml	96
36) Perylene	18.142	252	42528	12.27	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.473	276	89295	33.85	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	10301	3.97	ng/ml	84
40) Benzo(g,h,i)perylene	21.009	276	112809	42.06	ng/ml	74

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:49:17 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	241051	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	162139	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	327640	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	333627	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	317549	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	245099	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.056	82	101	0.15	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.810	172	201	0.09	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	66	2.08	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	554	0.17	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.761	128	63743	25.64	ng/ml	100
5) 2-Methylnaphthalene	8.449	142	5151	2.87	ng/ml	95
6) 1-Methylnaphthalene	8.548	142	1960	1.09	ng/ml	99
7) 1,1'-Biphenyl	8.909	154	2732	1.19	ng/ml	99
8) 2,6-Dimethylnaphthalene	9.072	156	1069	0.64	ng/ml	98
11) Acenaphthylene	9.352	152	32936	12.12	ng/ml	99
12) Acenaphthene	9.521	153	34096	17.17	ng/ml	99
13) Dibenzofuran	9.702	168	1552	0.62	ng/ml	84
14) 1,6,7-Trimethylnaphtha...	9.900	170	1467	0.81	ng/ml	78
15) Fluorene	10.046	166	4622	2.29	ng/ml	90
18) Pentachlorophenol (PCP)	10.827	266	220	10.29	ng/ml#	72
19) Dibenzothiopene	10.891	184	14237	4.47	ng/ml	93
20) Phenanthrene	11.019	178	44240	12.48	ng/ml	99
21) Anthracene	11.071	178	36311	12.50	ng/ml	98
22) Carbazole	11.241	167	2091	0.97	ng/ml	94
23) 1-Methylphenanthrene	11.625	192	8404	3.30	ng/ml#	1
24) Fluoranthene	12.261	202	325187	88.40	ng/ml	95
26) Pyrene	12.540	202	520085	116.42	ng/ml	99
28) Benz(a)anthracene	14.615	228	109987	32.98	ng/ml	73
29) Chrysene	14.691	228	156231	45.33	ng/ml	99
31) Benzo(b)fluoranthene	17.186	252	137843	42.81	ng/ml	91
32) Benzo(k)fluoranthene	17.186	252	177865	58.55	ng/ml	89

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

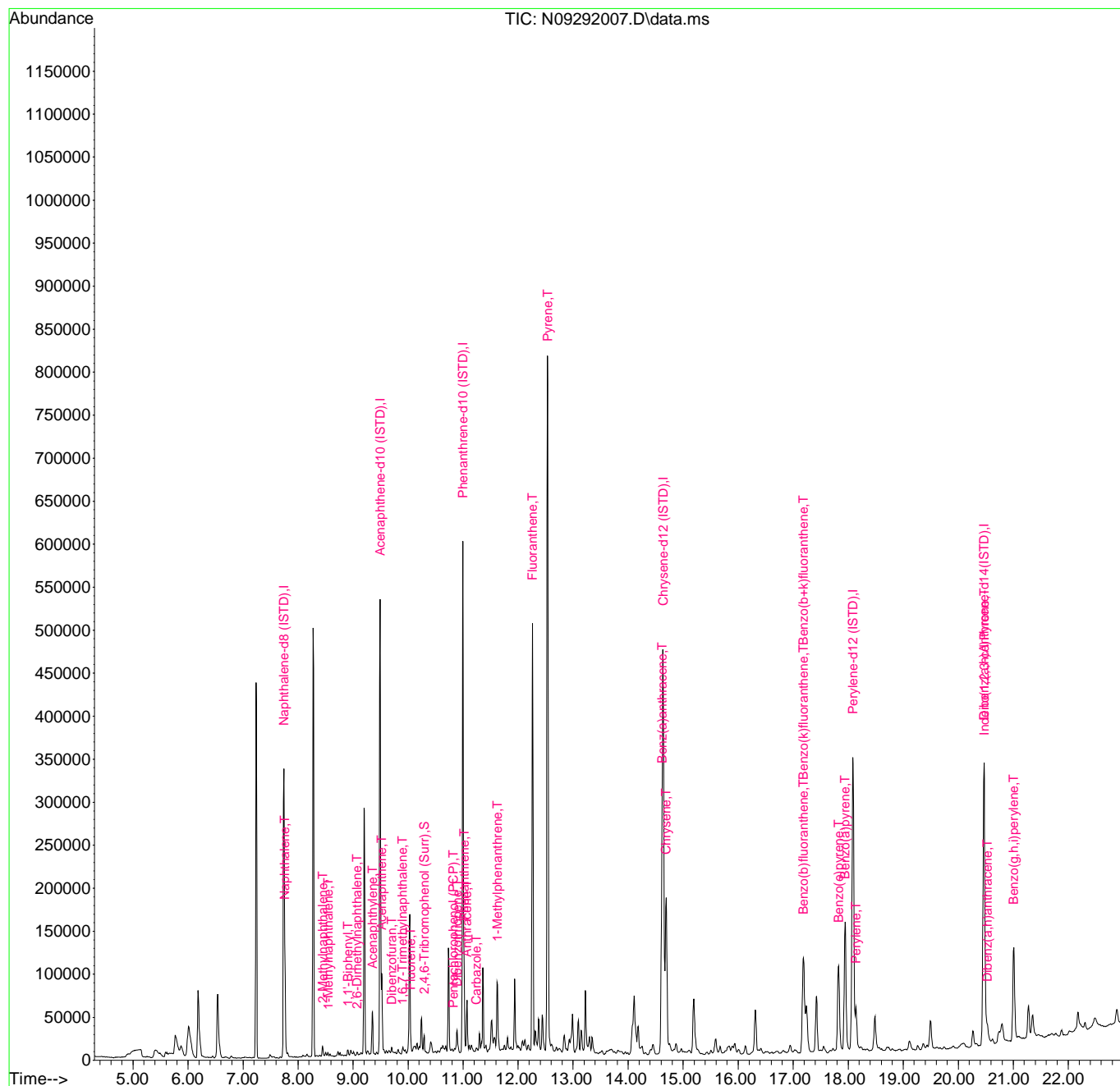
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	194708	59.42	ng/ml	89
34) Benzo(e)pyrene	17.827	252	91733	28.65	ng/ml	98
35) Benzo(a)pyrene	17.943	252	136026	58.27	ng/ml	96
36) Perylene	18.142	252	42528	12.27	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.473	276	89295	33.85	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	10301	3.97	ng/ml	84
40) Benzo(g,h,i)perylene	21.009	276	112809	42.06	ng/ml	74

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

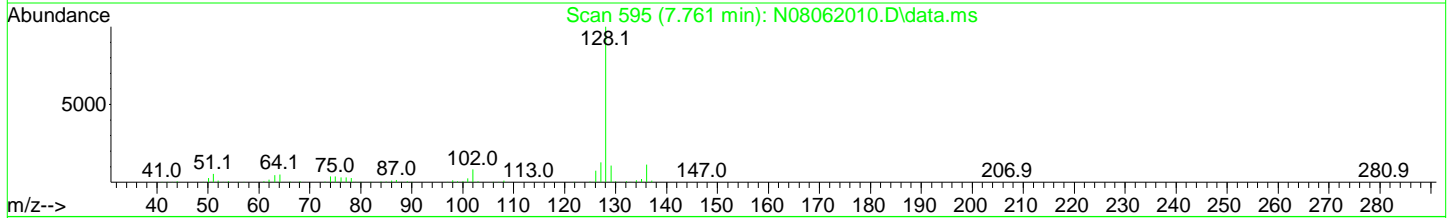
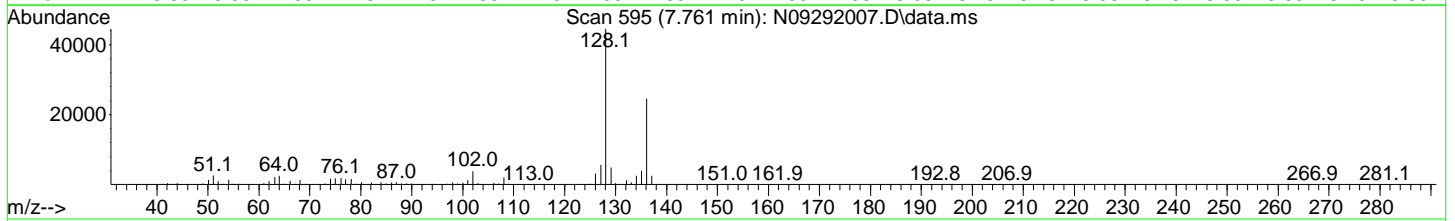
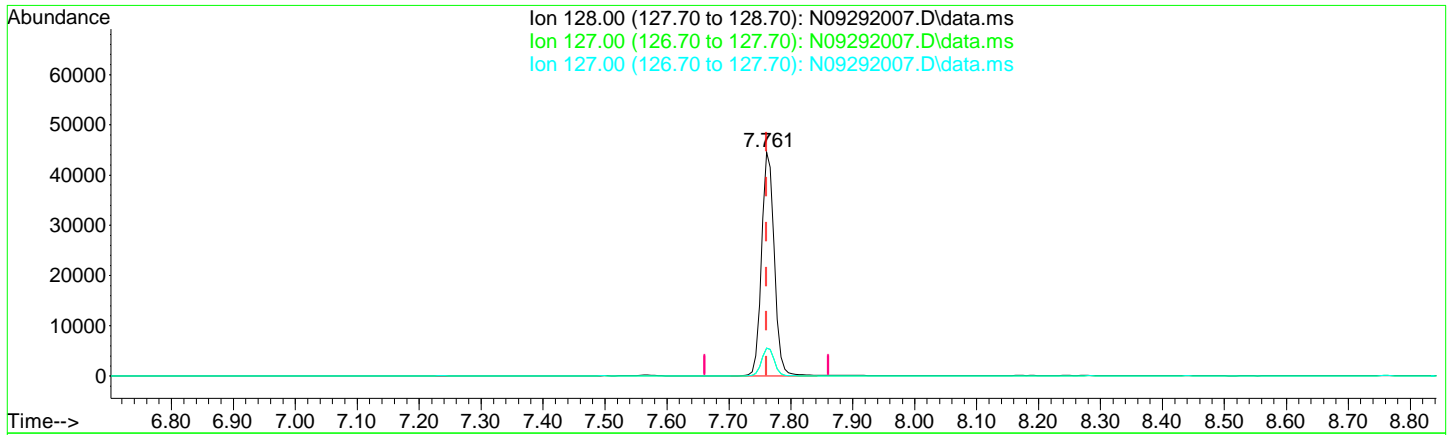
Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatle Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(4) Naphthalene (T)

7.761min (+ 0.000) 25.64 ng/ml

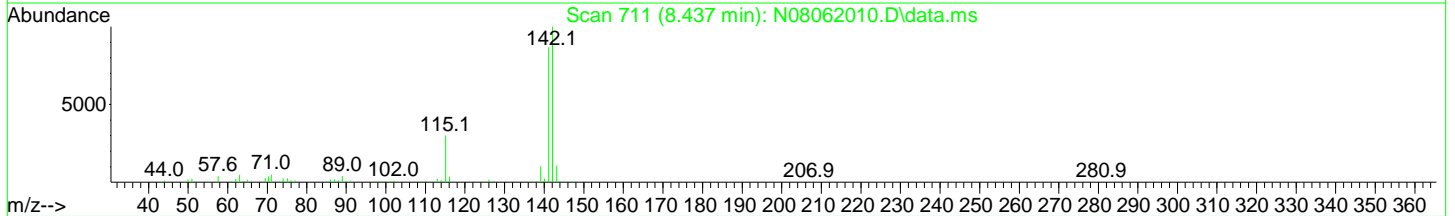
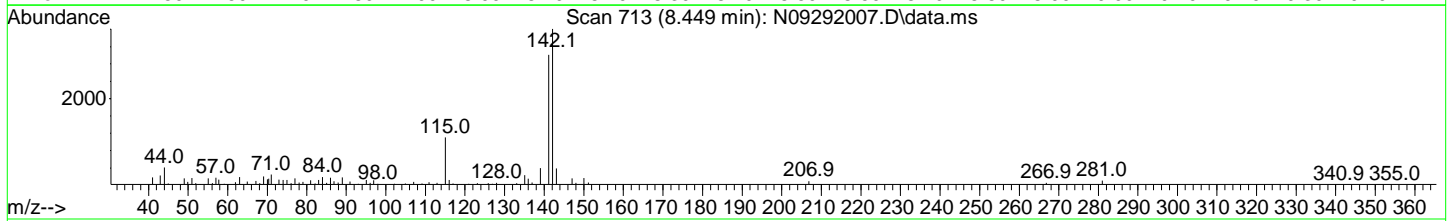
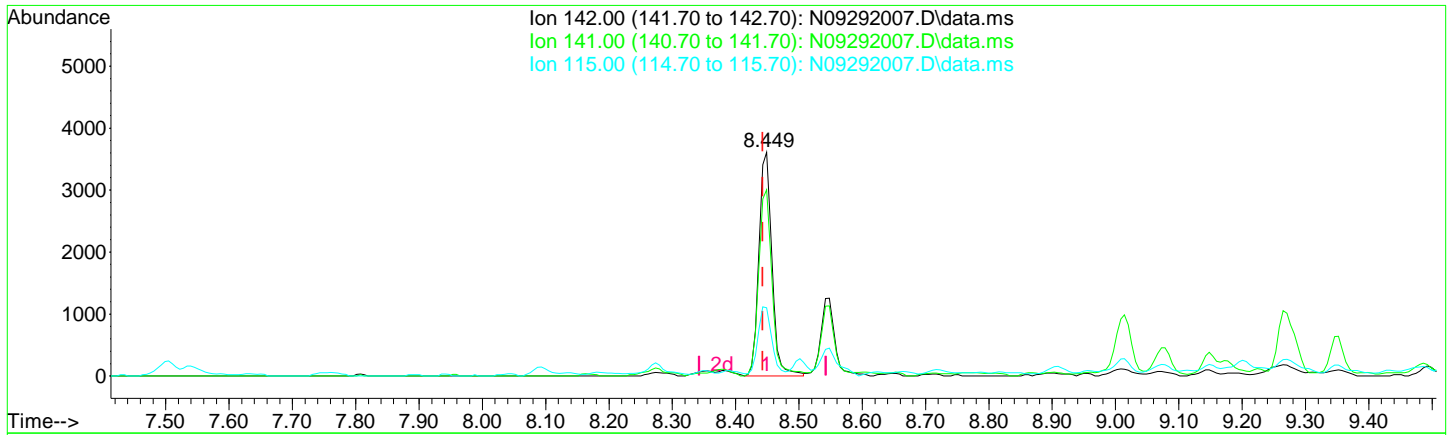
response 63743

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.59
127.00	12.60	12.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

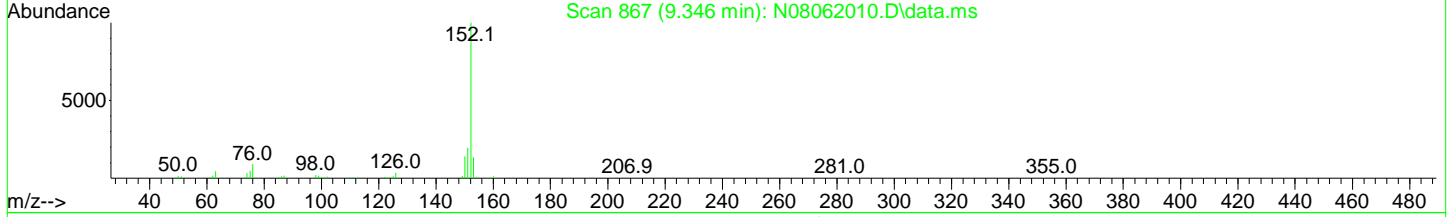
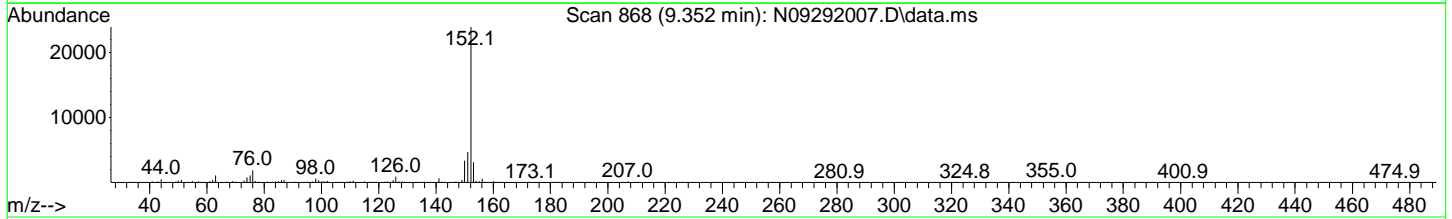
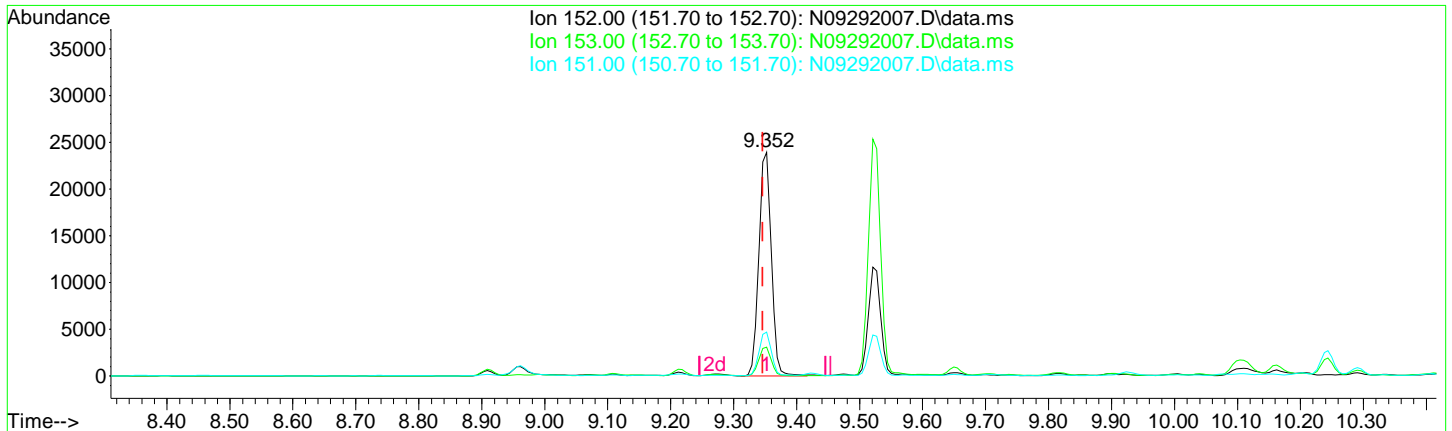
(5) 2-Methylnaphthalene (T)
 8.449min (+ 0.006) 2.87 ng/ml
 response 5151

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	83.35
115.00	35.70	30.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(11) Acenaphthylene (T)

9.352min (+ 0.006) 12.12 ng/ml

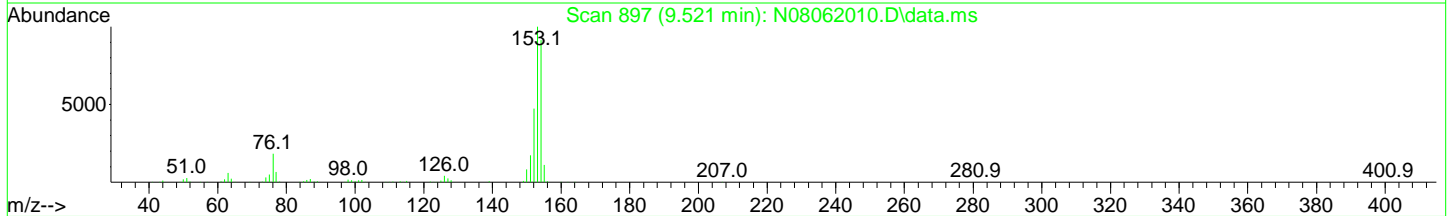
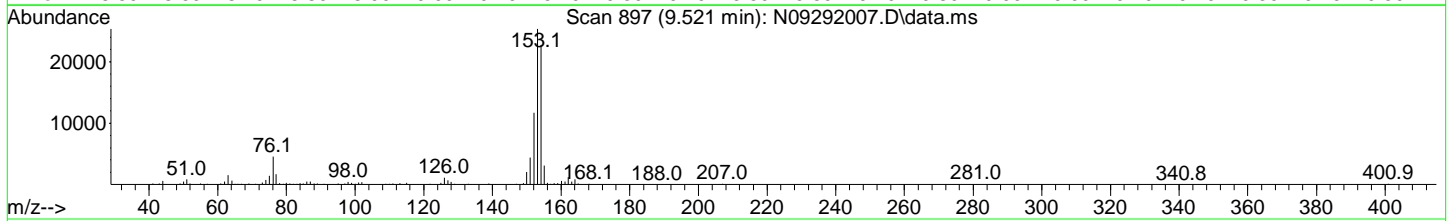
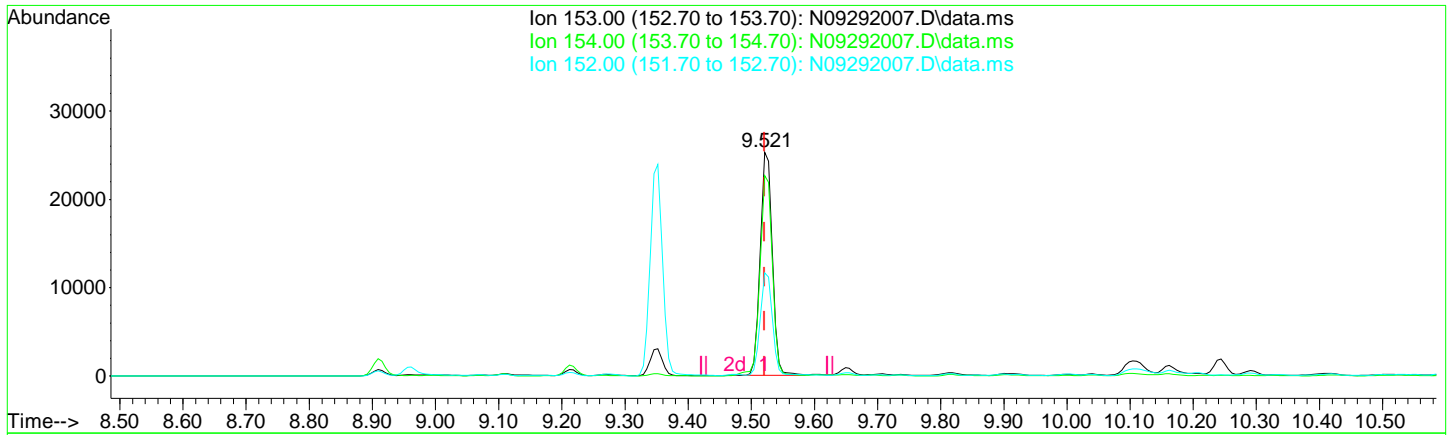
response 32936

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	12.92
151.00	19.30	19.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(12) Acenaphthene (T)

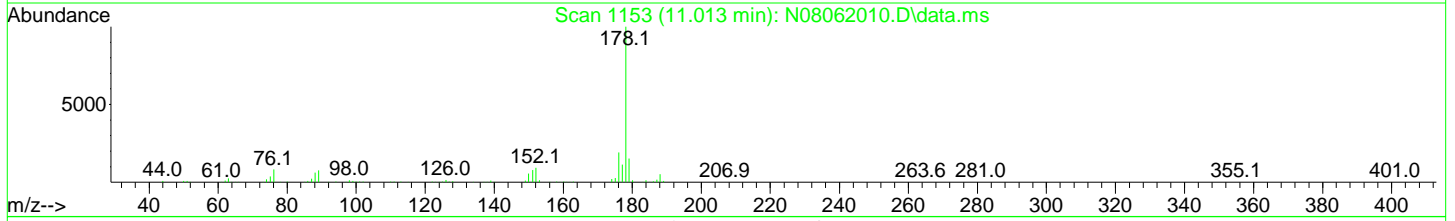
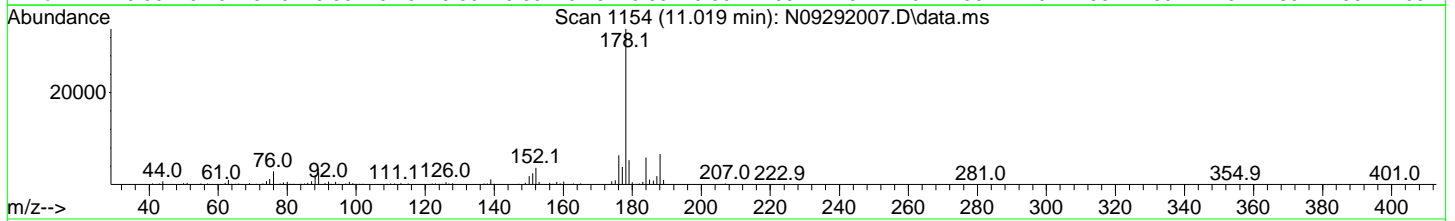
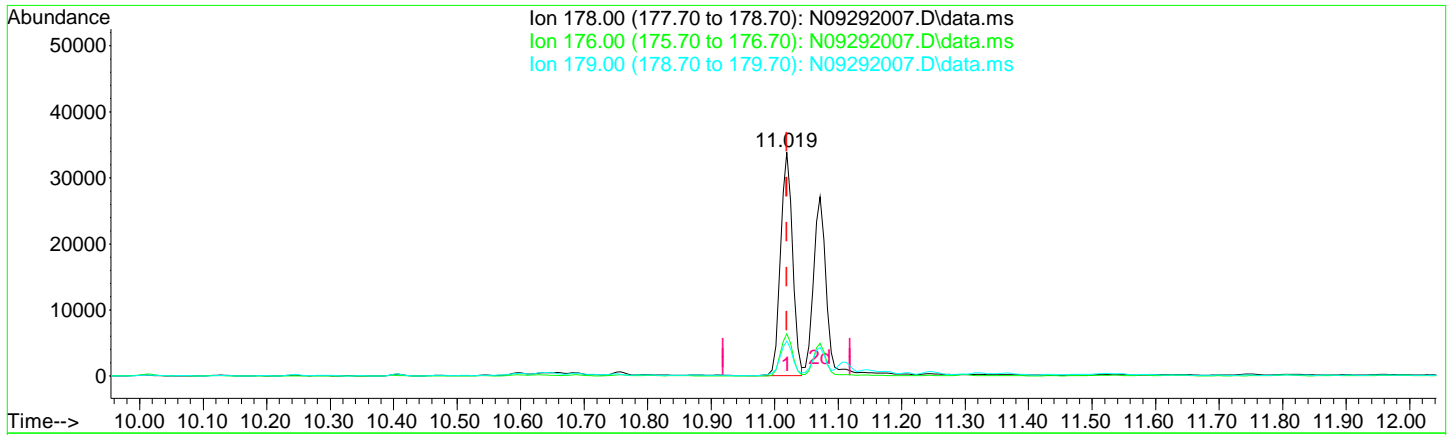
9.521min (+ 0.000) 17.17 ng/ml

response	34096
Ion	Exp% Act%
153.00	100.00 100.00
154.00	90.70 89.67
152.00	46.80 46.05
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(20) Phenanthrene (T)

11.019min (+ 0.000) 12.48 ng/ml

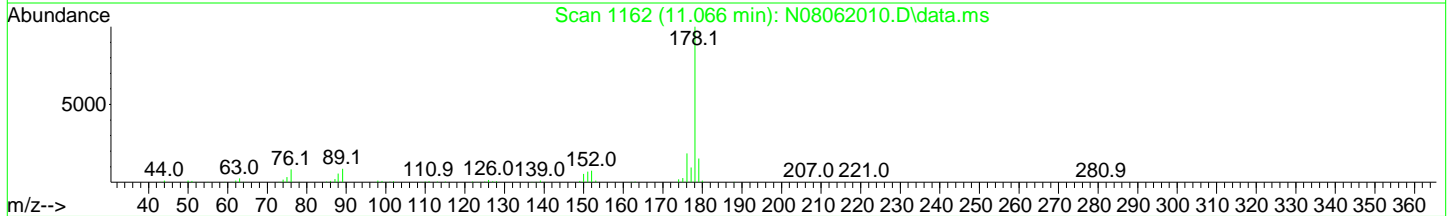
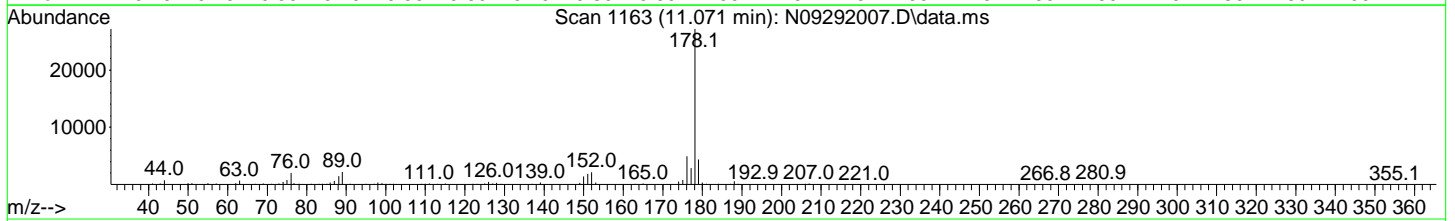
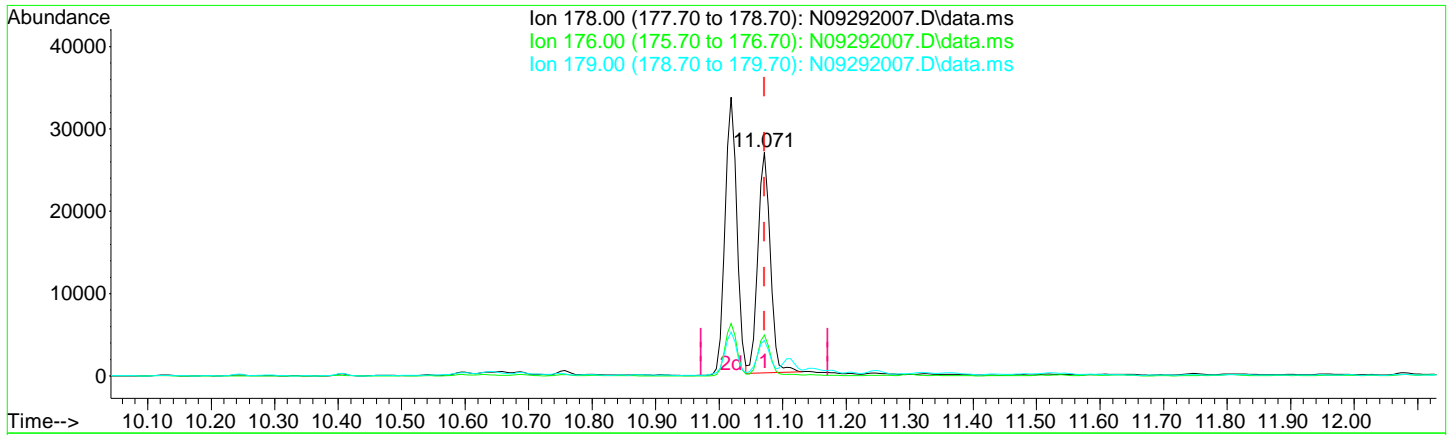
response 44240

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.85
179.00	15.10	15.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(21) Anthracene (T)

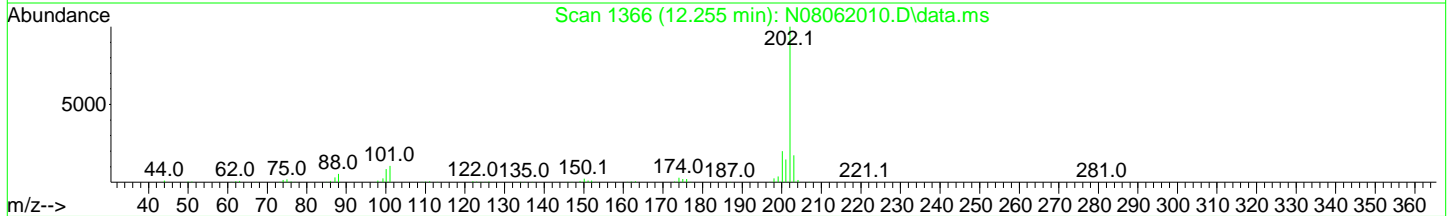
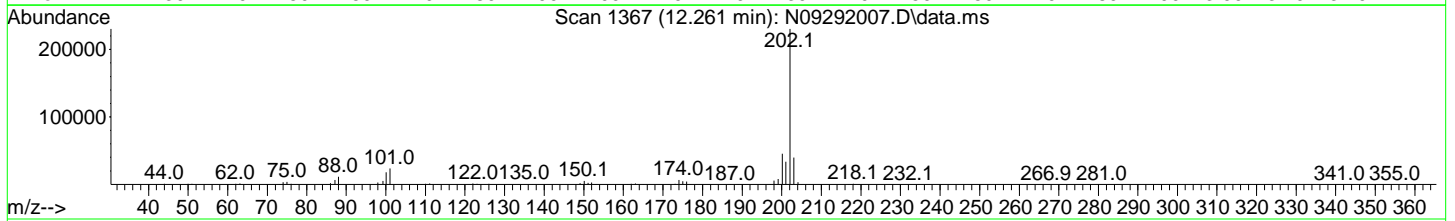
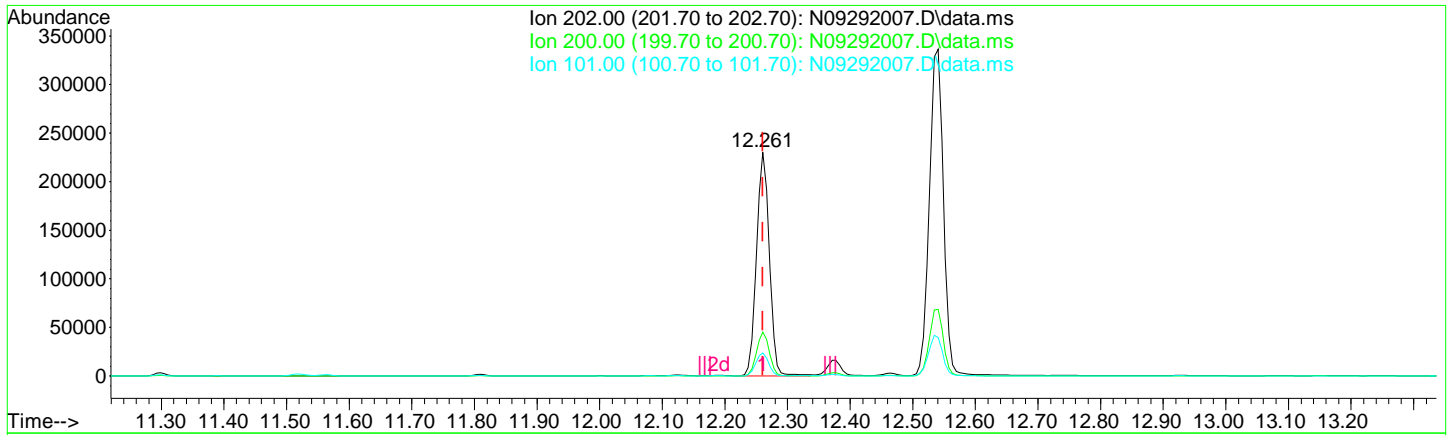
11.071min (+ 0.000) 12.50 ng/ml

response	36311
Ion	Exp% Act%
178.00	100.00 100.00
176.00	18.90 18.29
179.00	15.30 16.03
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(24) Fluoranthene (T)

12.261min (+ 0.000) 88.40 ng/ml

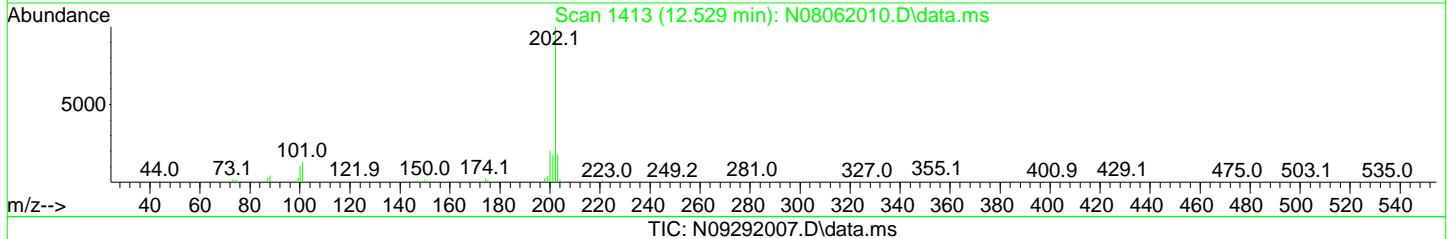
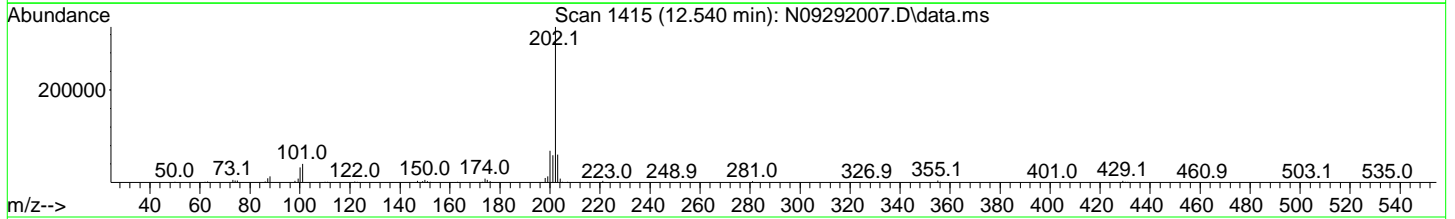
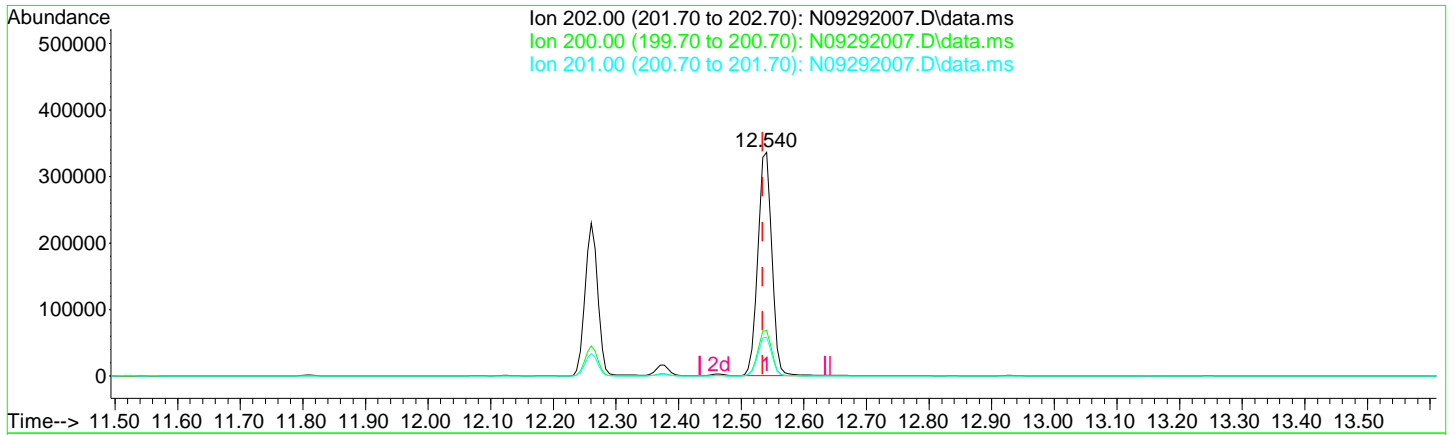
response 325187

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.68
101.00	15.30	10.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(26) Pyrene (T)

12.540min (+ 0.006) 116.42 ng/ml

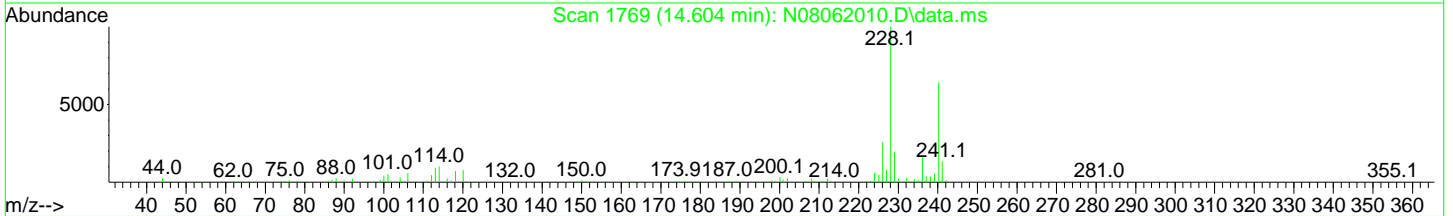
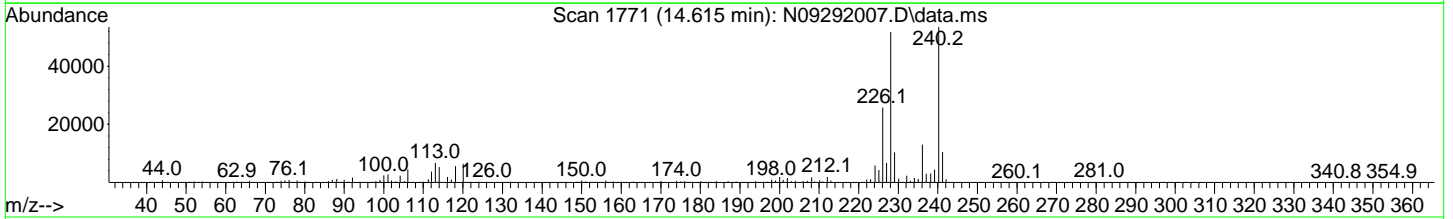
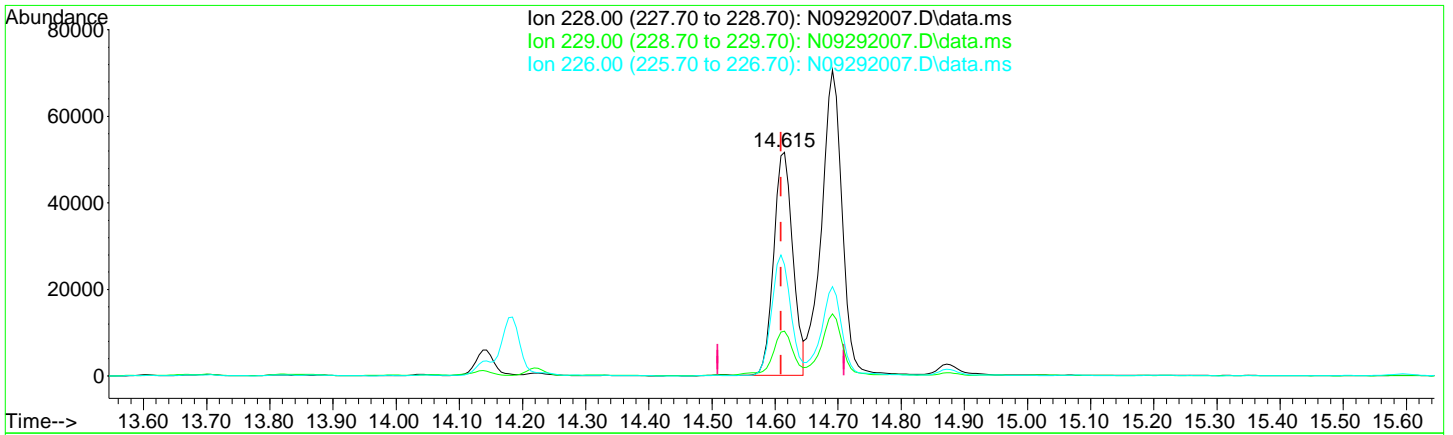
response 520085

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.43
201.00	16.80	17.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(28) Benz(a)anthracene (T)

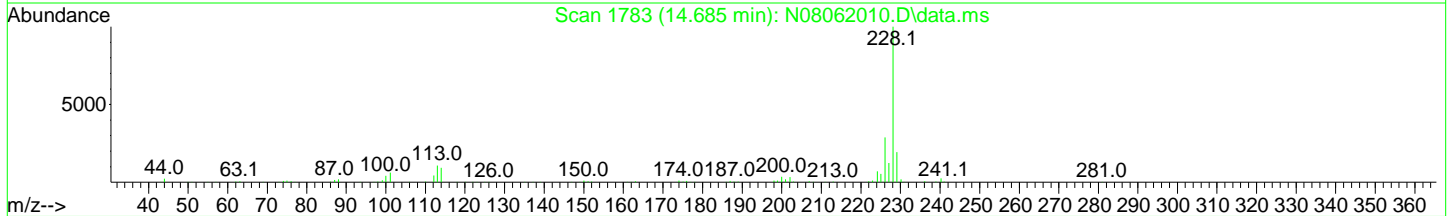
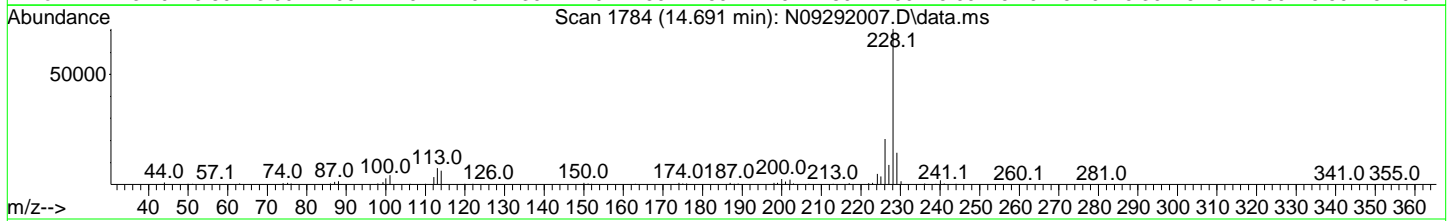
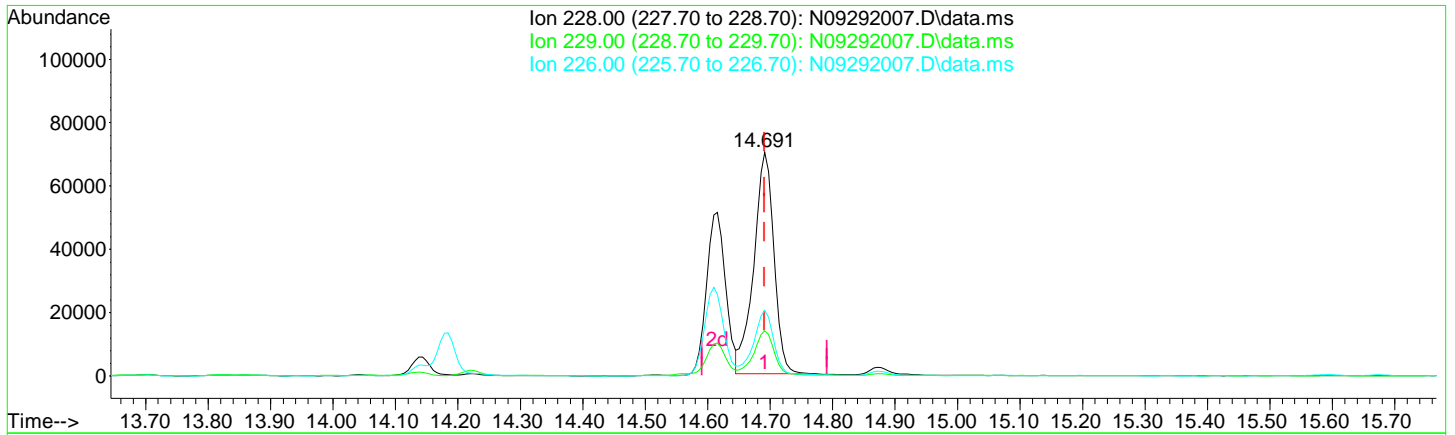
14.615min (+ 0.006) 32.98 ng/ml

response	109987
Ion	Exp% Act%
228.00	100.00 100.00
229.00	19.40 20.14
226.00	26.20 49.78
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



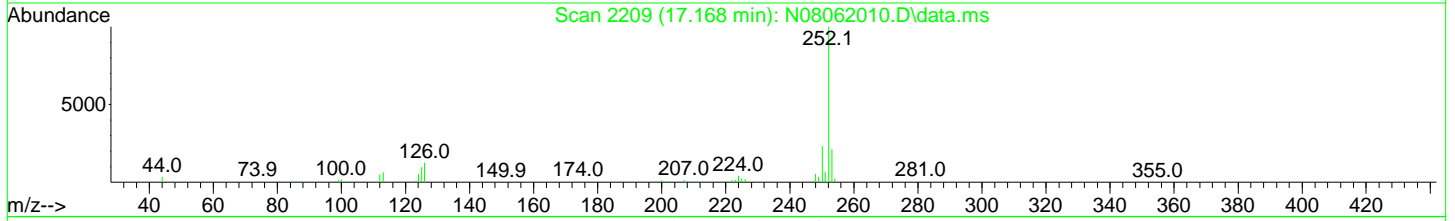
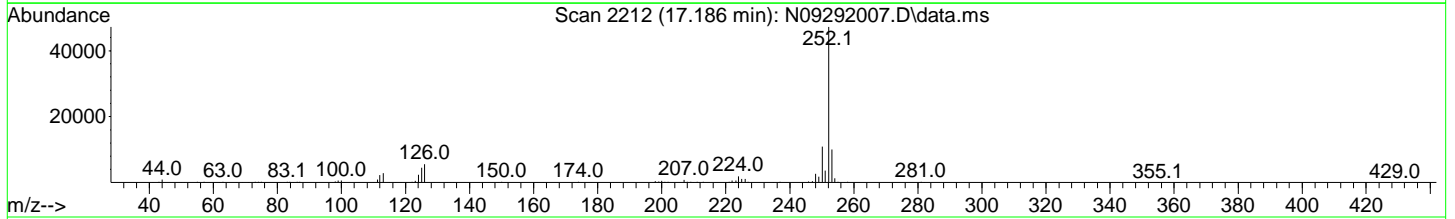
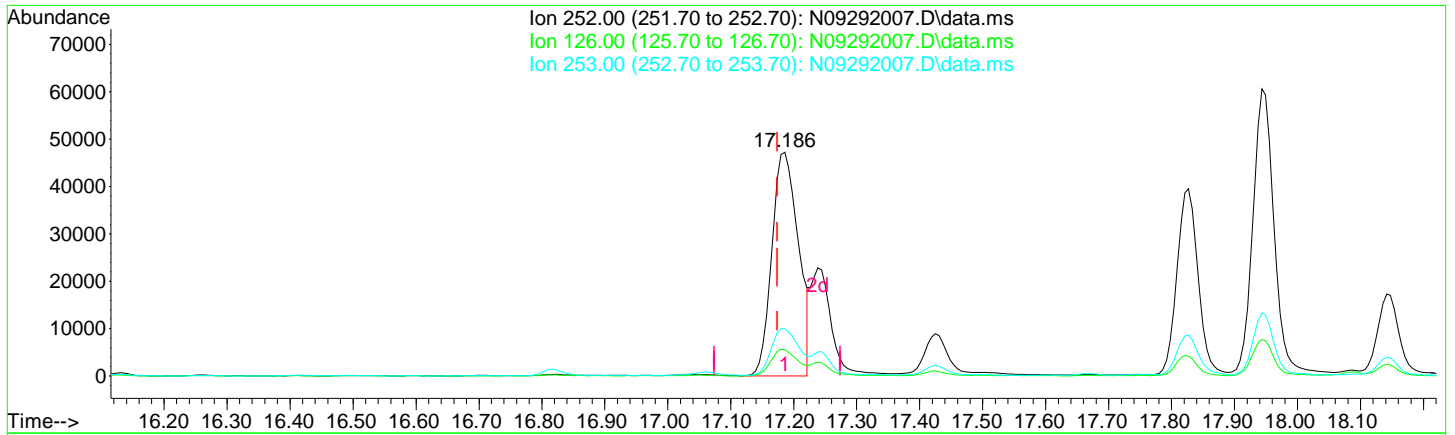
TIC: N09292007.D\data.ms

(29) Chrysene (T)		
14.691min (+ 0.000)	45.33 ng/ml	
response	156231	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.29
226.00	28.60	29.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(31) Benzo(b)fluoranthene (T)

17.186min (+ 0.012) 42.81 ng/ml

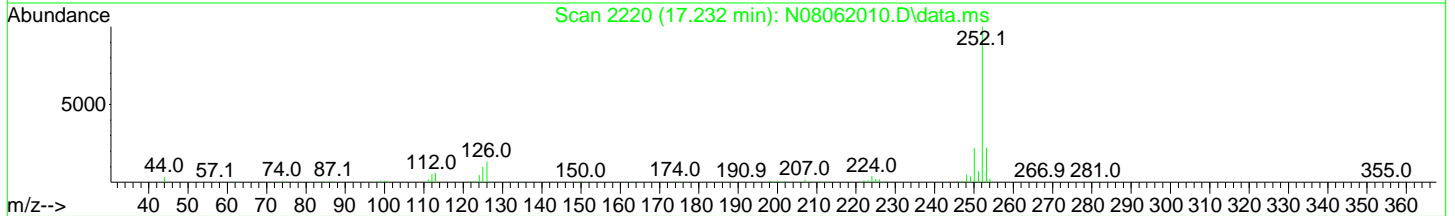
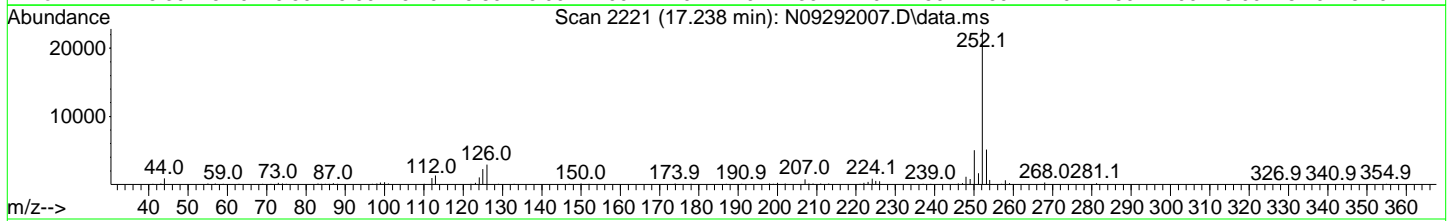
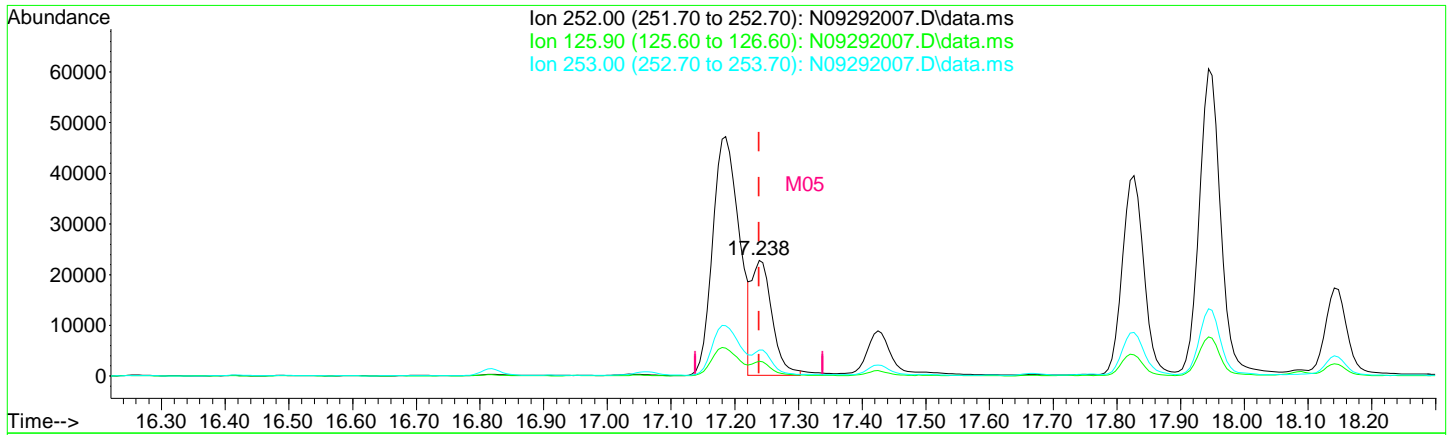
response 137843

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.71
253.00	21.10	21.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(32) Benzo(k)fluoranthene (T)

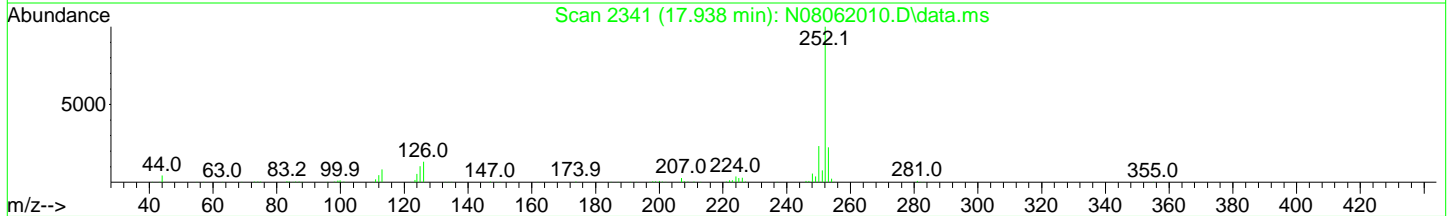
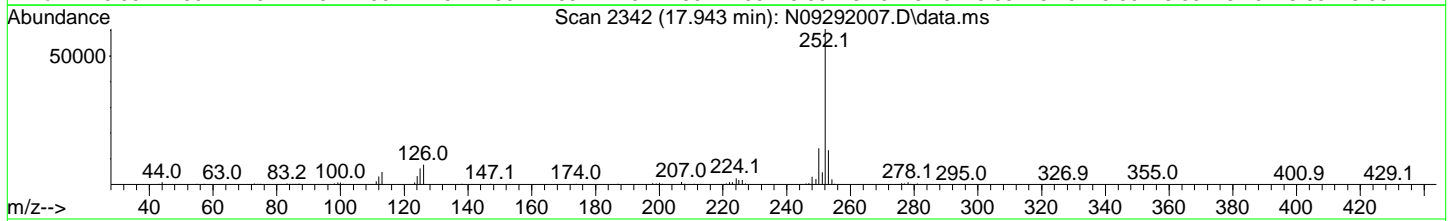
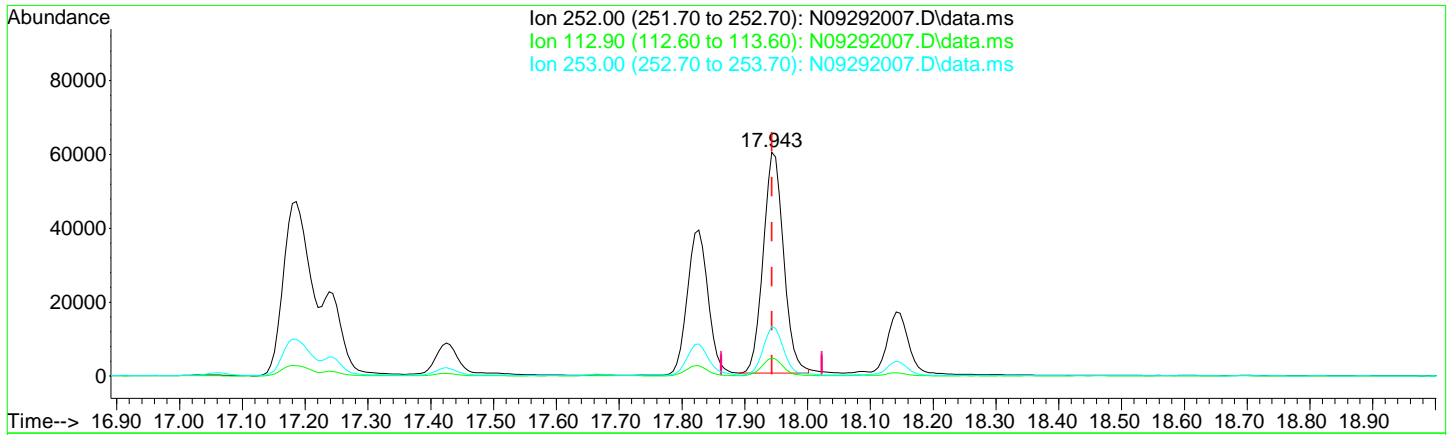
17.238min (+ 0.000) 16.48 ng/ml m

response	50050
Ion	Exp% Act%
252.00	100.00 100.00
125.90	22.10 12.72
253.00	21.50 22.36
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(35) Benzo(a)pyrene (T)

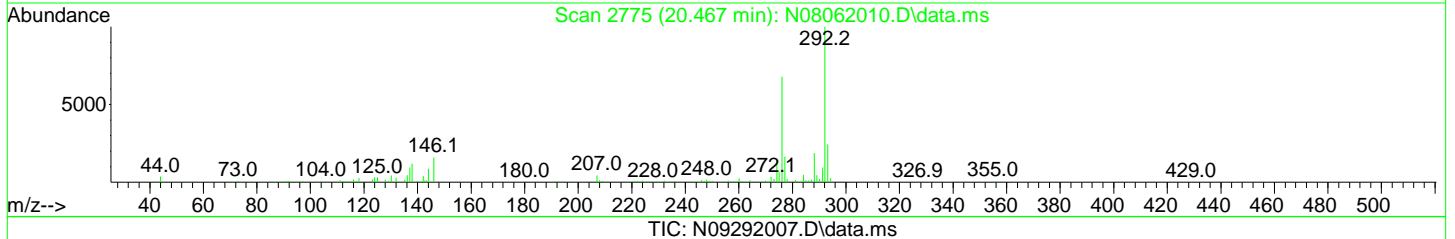
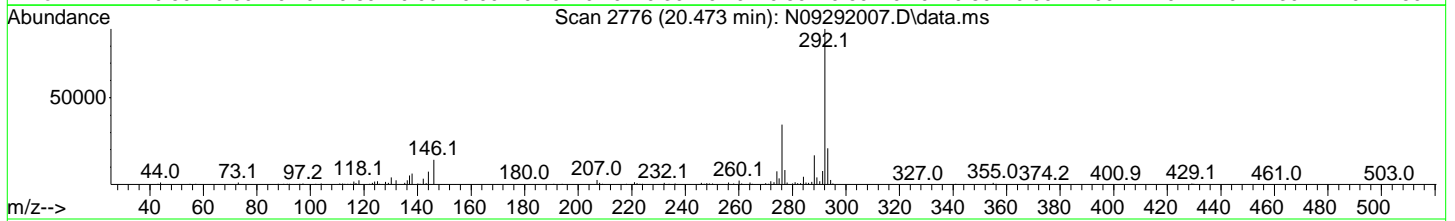
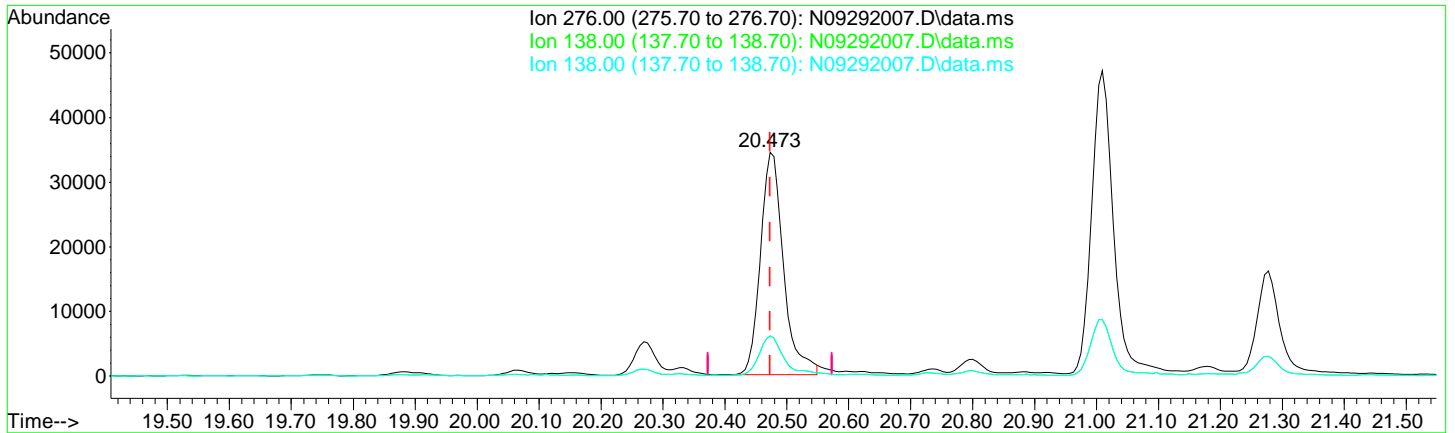
17.943min (+ 0.000) 58.27 ng/ml

response	136026	
Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	8.05
253.00	21.90	21.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

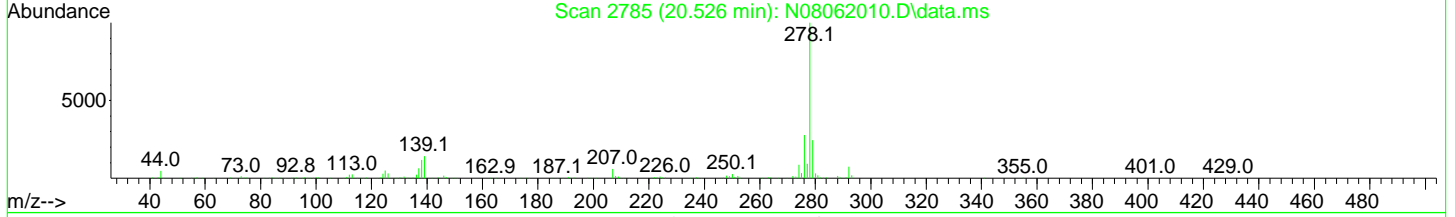
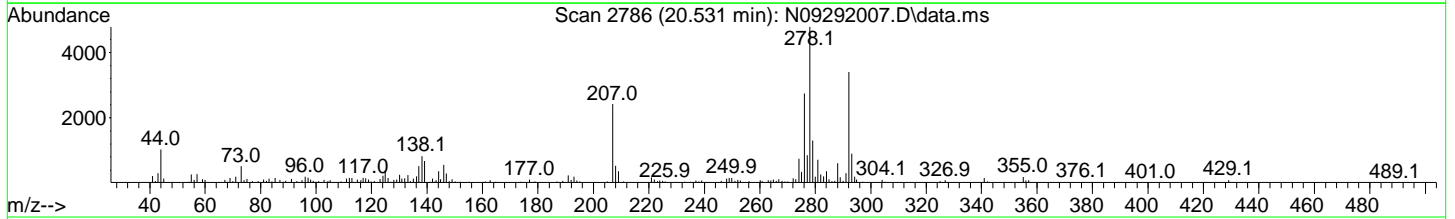
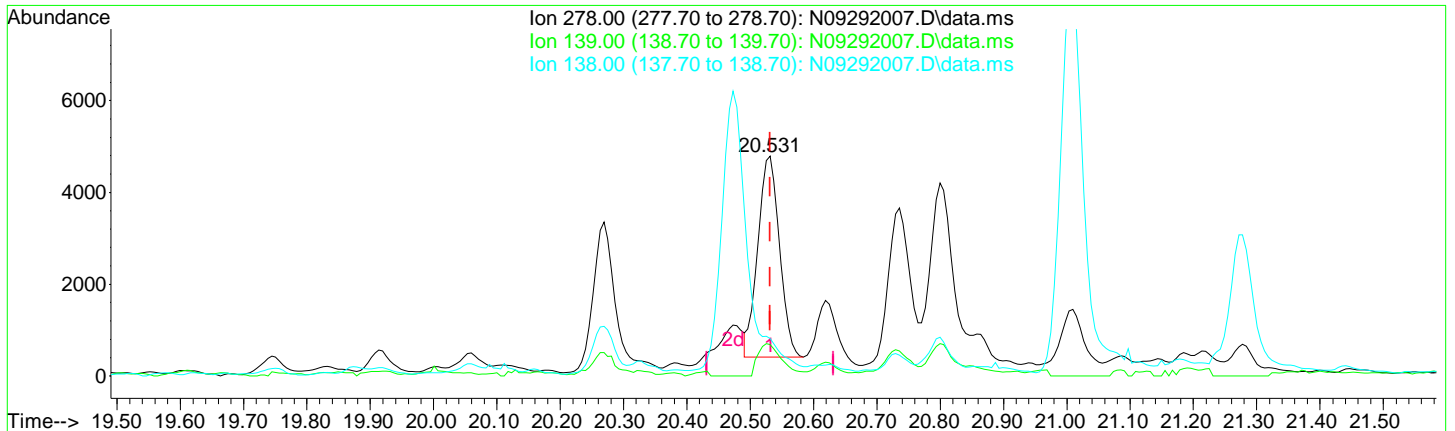
20.473min (+ 0.000) 33.85 ng/ml

response	89295
Ion	Exp% Act%
276.00	100.00 100.00
138.00	31.60 17.91
138.00	31.60 17.91
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



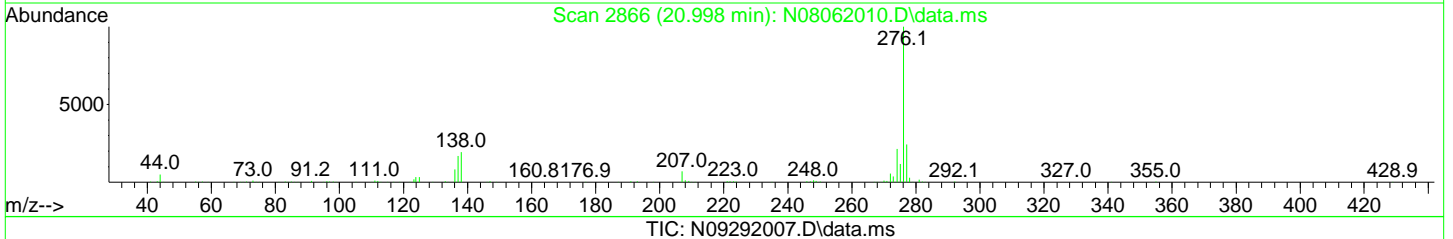
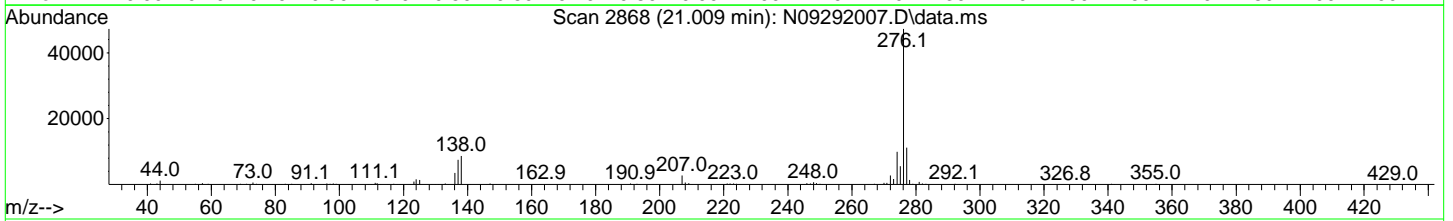
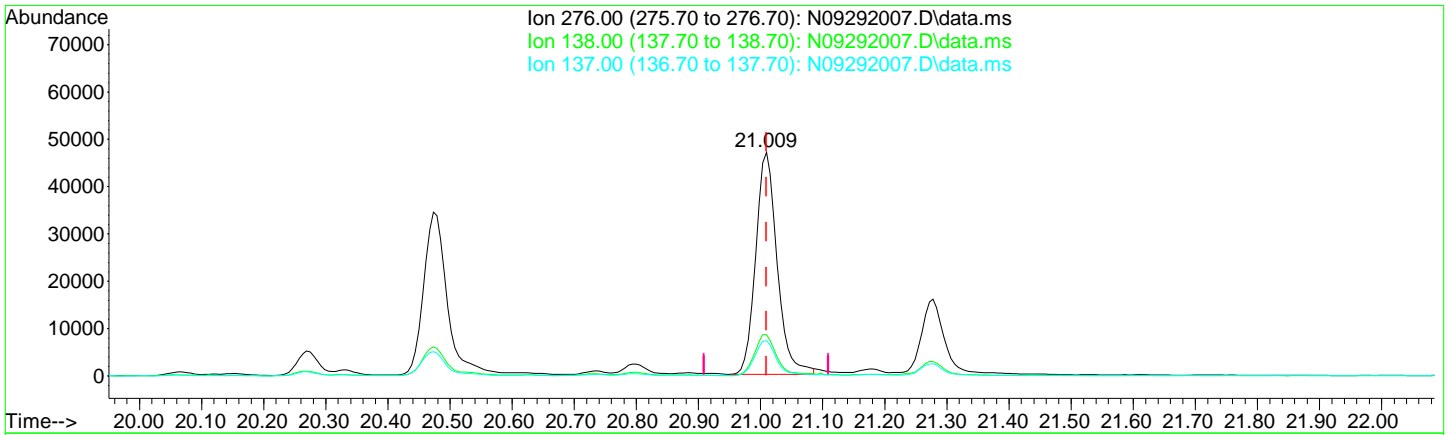
TIC: N09292007.D\data.ms

(39) Dibenz(a,h)anthracene (T)		
20.531min (+ 0.000)	3.97 ng/ml	
response	10301	
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	14.27
138.00	19.90	17.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292007.D
 Acq On : 29 Sep 2020 11:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-42RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 11:47:55 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292007.D\data.ms

(40) Benzo(g,h,i)perylene (T)			
21.009min (+ 0.000) 42.06 ng/ml			
response			
Ion	Exp%	Act%	
276.00	100.00	100.00	
138.00	34.40	18.45	
137.00	28.60	15.88	
0.00	0.00	0.00	

AMS 9/29/20

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292008.D
 Acq On : 29 Sep 2020 11:56 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 12:39:01 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	256233	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	153820	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	356549	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.639	240	399720	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.089	264	393847	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.467	292	302266	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.003	82	53	0.07	ng/ml	-0.05	
10) 2-Fluorobiphenyl (Surr)	8.810	172	144	0.07	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml		
27) Terphenyl-d14 (Surr)	12.733	244	460	0.12	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.761	128	52403	19.83	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	5185	2.71	ng/ml		92
6) 1-Methylnaphthalene	8.542	142	2744	1.44	ng/ml		93
7) 1,1'-Biphenyl	8.909	154	2324	0.96	ng/ml		94
8) 2,6-Dimethylnaphthalene	9.072	156	1206	0.68	ng/ml		89
11) Acenaphthylene	9.352	152	18777	7.28	ng/ml		98
12) Acenaphthene	9.527	153	38290	20.32	ng/ml		100
13) Dibenzofuran	9.702	168	1975	0.83	ng/ml		84
14) 1,6,7-Trimethylnaphtha...	9.906	170	1590	0.93	ng/ml		77
15) Fluorene	10.046	166	6374	3.32	ng/ml		98
18) Pentachlorophenol (PCP)	10.827	266	371	11.04	ng/ml		90
19) Dibenzothiopene	10.891	184	17611	5.09	ng/ml		95
20) Phenanthrene	11.019	178	57898	15.00	ng/ml		100
21) Anthracene	11.071	178	28883	9.14	ng/ml		99
22) Carbazole	11.240	167	2226	0.95	ng/ml		86
23) 1-Methylphenanthrene	11.631	192	6534	2.35	ng/ml#		14
24) Fluoranthene	12.260	202	224621	56.11	ng/ml		94
26) Pyrene	12.540	202	399610	74.66	ng/ml		99
28) Benz(a)anthracene	14.615	228	69341	17.35	ng/ml		77
29) Chrysene	14.691	228	91502	22.16	ng/ml		99
31) Benzo(b)fluoranthene	17.186	252	80370	20.12	ng/ml		91
32) Benzo(k)fluoranthene	17.238	252	24376m	6.47	ng/ml		

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292008.D
 Acq On : 29 Sep 2020 11:56 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 12:39:01 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

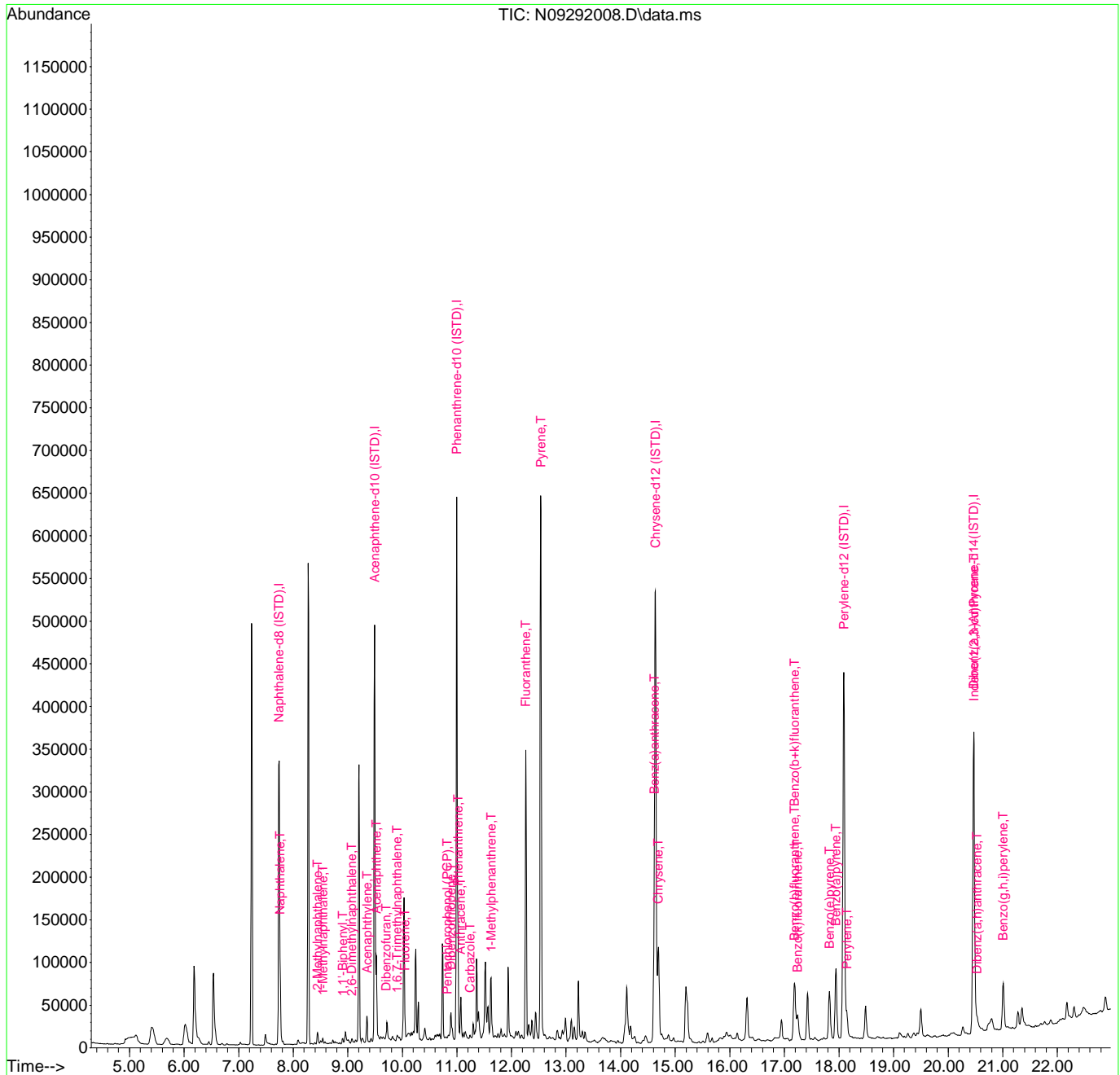
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	109353	26.91	ng/ml	89
34) Benzo(e)pyrene	17.827	252	50236	12.65	ng/ml	98
35) Benzo(a)pyrene	17.943	252	73279	25.31	ng/ml	94
36) Perylene	18.147	252	23126	5.38	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	20.473	276	47703	14.66	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	5377	1.68	ng/ml	85
40) Benzo(g,h,i)perylene	21.009	276	57590	17.41	ng/ml	74

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292008.D
Acq On : 29 Sep 2020 11:56 am
Operator : JK/ AMS/ DTH
Sample : 0090828-MS1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 12:39:01 2020
Quant Method : U:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292008.D
 Acq On : 29 Sep 2020 11:56 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 12:38:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	256233	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	153820	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	356549	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.639	240	399720	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.089	264	393847	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	302266	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.003	82	53	0.07	ng/ml	-0.05	
10) 2-Fluorobiphenyl (Surr)	8.810	172	144	0.07	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml		
27) Terphenyl-d14 (Surr)	12.733	244	460	0.12	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.761	128	52403	19.83	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	5185	2.71	ng/ml		92
6) 1-Methylnaphthalene	8.542	142	2744	1.44	ng/ml		93
7) 1,1'-Biphenyl	8.909	154	2324	0.96	ng/ml		94
8) 2,6-Dimethylnaphthalene	9.072	156	1206	0.68	ng/ml		89
11) Acenaphthylene	9.352	152	18777	7.28	ng/ml		98
12) Acenaphthene	9.527	153	38290	20.32	ng/ml		100
13) Dibenzofuran	9.702	168	1975	0.83	ng/ml		84
14) 1,6,7-Trimethylnaphtha...	9.906	170	1590	0.93	ng/ml		77
15) Fluorene	10.046	166	6374	3.32	ng/ml		98
18) Pentachlorophenol (PCP)	10.827	266	371	11.04	ng/ml		90
19) Dibenzothiopene	10.891	184	17611	5.09	ng/ml		95
20) Phenanthrene	11.019	178	57898	15.00	ng/ml		100
21) Anthracene	11.071	178	28883	9.14	ng/ml		99
22) Carbazole	11.240	167	2226	0.95	ng/ml		86
23) 1-Methylphenanthrene	11.631	192	6534	2.35	ng/ml#		14
24) Fluoranthene	12.260	202	224621	56.11	ng/ml		94
26) Pyrene	12.540	202	399610	74.66	ng/ml		99
28) Benz(a)anthracene	14.615	228	69341	17.35	ng/ml		77
29) Chrysene	14.691	228	91502	22.16	ng/ml		99
31) Benzo(b)fluoranthene	17.186	252	80370	20.12	ng/ml		91
32) Benzo(k)fluoranthene	17.186	252	97589	25.90	ng/ml		89

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292008.D
 Acq On : 29 Sep 2020 11:56 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 12:38:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

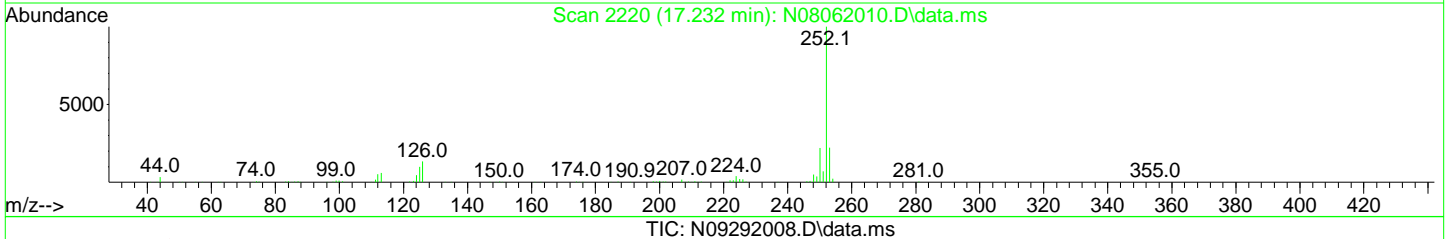
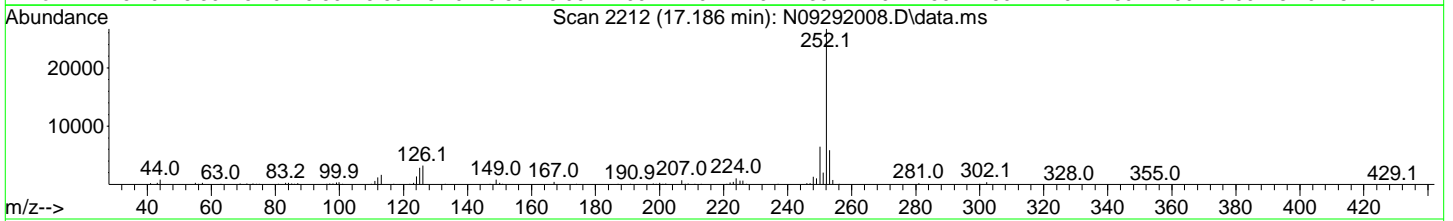
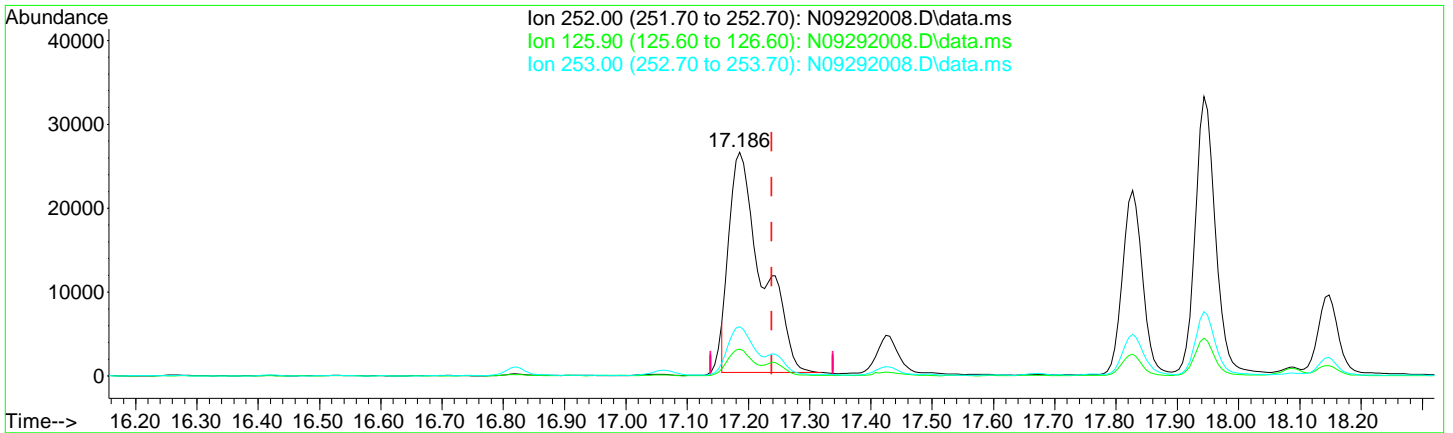
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	109353	26.91	ng/ml	89
34) Benzo(e)pyrene	17.827	252	50236	12.65	ng/ml	98
35) Benzo(a)pyrene	17.943	252	73279	25.31	ng/ml	94
36) Perylene	18.147	252	23126	5.38	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	20.473	276	47703	14.66	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	5377	1.68	ng/ml	85
40) Benzo(g,h,i)perylene	21.009	276	57590	17.41	ng/ml	74

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292008.D
 Acq On : 29 Sep 2020 11:56 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 12:38:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292008.D\data.ms

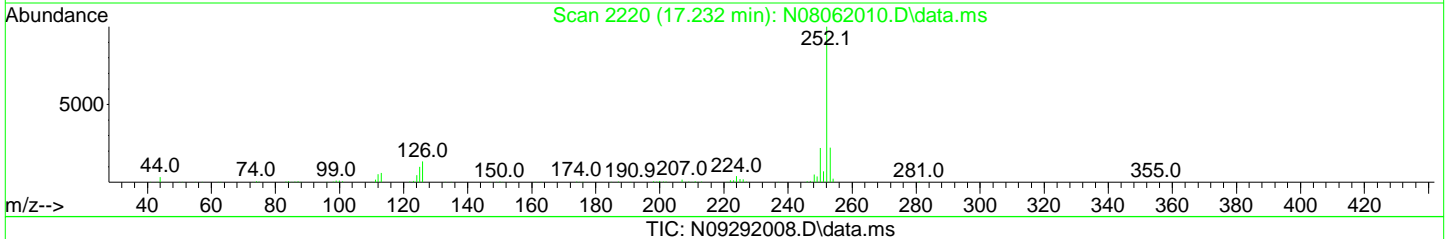
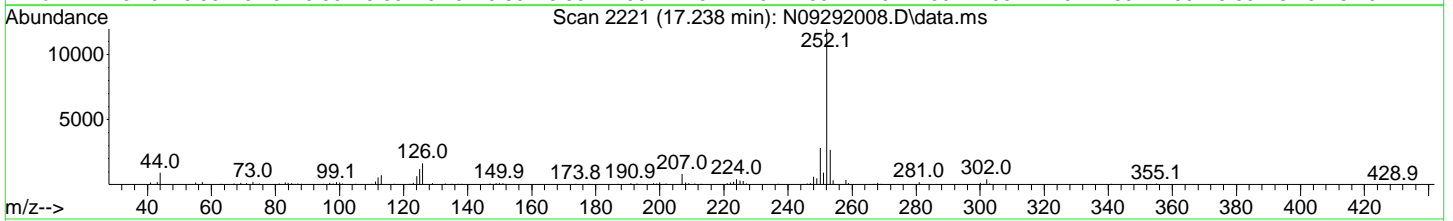
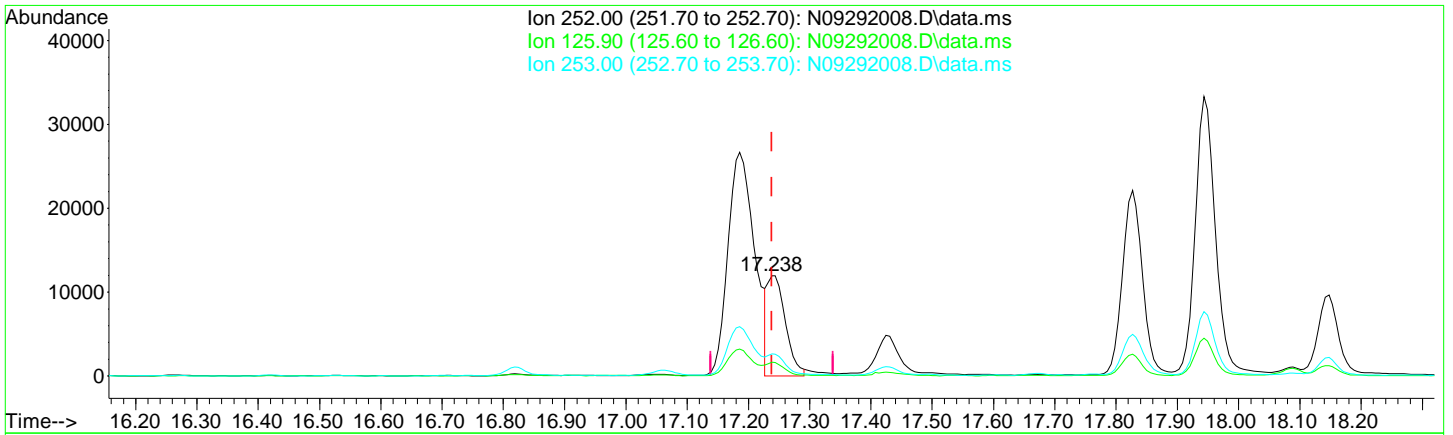
~~(32) Benzo(k)fluoranthene (T)~~
~~17.186min (-0.052) 25.90 ng/ml~~
~~response 97589~~

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	12.09
253.00	21.50	21.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292008.D
 Acq On : 29 Sep 2020 11:56 am
 Operator : JK/ AMS/ DTH
 Sample : 0090828-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 12:38:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292008.D\data.ms

(32) Benzo(k)fluoranthene (T)		
17.238min (+ 0.000)	6.47 ng/ml	m
response	24376	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.88
253.00	21.50	22.19
0.00	0.00	0.00

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

M05

Quant Time: Sep 29 12:59:59 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.749	136	237460	100.00	ng/ml	0.01
9) Acenaphthene-d10 (ISTD)	9.498	162	164171	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.001	188	339282	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.638	240	356796	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.095	264	344533	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthracene-d...	20.473	292	271032	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.061	82	705	1.06	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.810	172	1787	0.76	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	379	2.81	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.738	244	3191	0.93	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.766	128	26835	10.96	ng/ml	97
5) 2-Methylnaphthalene	8.448	142	2583	1.46	ng/ml	94
6) 1-Methylnaphthalene	8.547	142	5578	3.15	ng/ml	97
7) 1,1'-Biphenyl	8.915	154	1644	0.73	ng/ml	91
8) 2,6-Dimethylnaphthalene	9.078	156	42101	25.49	ng/ml	96
11) Acenaphthylene	9.352	152	38837	14.11	ng/ml	94
12) Acenaphthene	9.527	153	220260	109.54	ng/ml	99
13) Dibenzofuran	9.702	168	20801	8.23	ng/ml	98
14) 1,6,7-Trimethylnaphtha...	9.911	170	22354	12.26	ng/ml	97
15) Fluorene	10.045	166	128828	62.94	ng/ml	99
18) Pentachlorophenol (PCP)	10.739	266	197	10.11	ng/ml#	1
19) Dibenzothiopene	10.896	184	160826	48.81	ng/ml	93
20) Phenanthrene	11.025	178	1254013	341.50	ng/ml	100
21) Anthracene	11.077	178	231937	77.11	ng/ml	99
22) Carbazole	11.240	167	3366	1.51	ng/ml	52
23) 1-Methylphenanthrene	11.643	192	124646	47.21	ng/ml	95
24) Fluoranthene	12.266	202	774149	203.24	ng/ml	94
26) Pyrene	12.546	202	1001217	209.57	ng/ml	99
28) Benz(a)anthracene	14.621	228	203934	57.17	ng/ml	73
29) Chrysene	14.697	228	229628	62.30	ng/ml	97
31) Benzo(b)fluoranthene	17.191	252	209348	59.92	ng/ml	90
32) Benzo(k)fluoranthene	17.250	252	65563m	19.89	ng/ml	M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:59:59 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

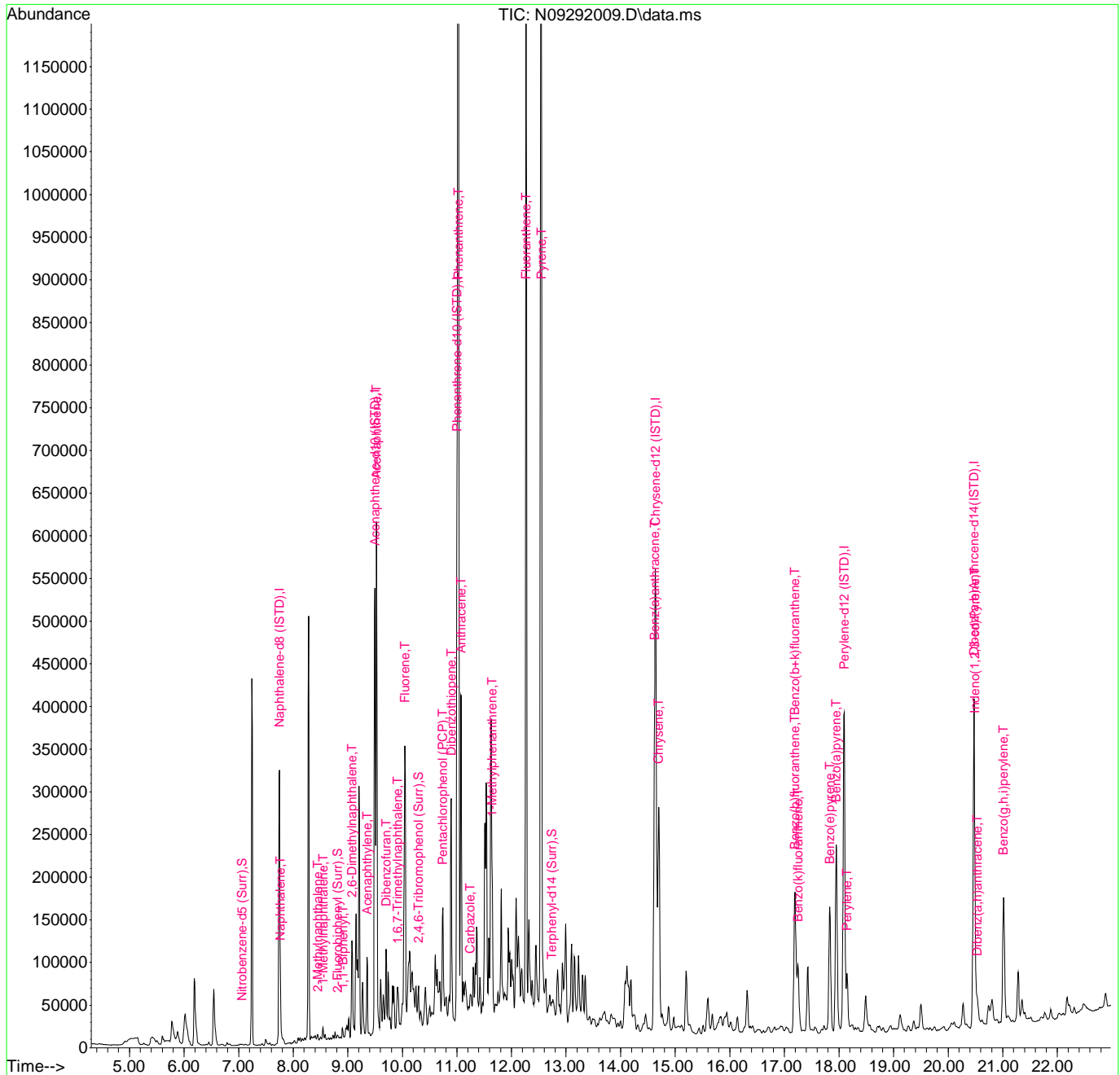
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.191	252	287693	80.92	ng/ml	88
34) Benzo(e)pyrene	17.833	252	131696	37.91	ng/ml	97
35) Benzo(a)pyrene	17.949	252	203598	80.38	ng/ml	95
36) Perylene	18.147	252	55901	14.86	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.485	276	125508	43.03	ng/ml	75
39) Dibenz(a,h)anthracene	20.537	278	15654	5.46	ng/ml	83
40) Benzo(g,h,i)perylene	21.015	276	153542	51.77	ng/ml	75

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:59:59 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	237460	100.00	ng/ml	0.01	
9) Acenaphthene-d10 (ISTD)	9.498	162	164171	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.001	188	339282	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.638	240	356796	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.095	264	344533	100.00	ng/ml	0.01	
37) Dibenz(a,h)Anthrcene-d...	20.473	292	271032	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	705	1.06	ng/ml	0.01	
10) 2-Fluorobiphenyl (Surr)	8.810	172	1787	0.76	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	379	2.81	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.738	244	3191	0.93	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.766	128	26835	10.96	ng/ml		97
5) 2-Methylnaphthalene	8.448	142	2583	1.46	ng/ml		94
6) 1-Methylnaphthalene	8.547	142	5578	3.15	ng/ml		97
7) 1,1'-Biphenyl	8.915	154	1644	0.73	ng/ml		91
8) 2,6-Dimethylnaphthalene	9.078	156	42101	25.49	ng/ml		96
11) Acenaphthylene	9.352	152	38837	14.11	ng/ml		94
12) Acenaphthene	9.527	153	220260	109.54	ng/ml		99
13) Dibenzofuran	9.702	168	20801	8.23	ng/ml		98
14) 1,6,7-Trimethylnaphtha...	9.911	170	22354	12.26	ng/ml		97
15) Fluorene	10.045	166	128828	62.94	ng/ml		99
18) Pentachlorophenol (PCP)	10.739	266	197	10.11	ng/ml#		1
19) Dibenzothiopene	10.896	184	160826	48.81	ng/ml		93
20) Phenanthrene	11.025	178	1254013	341.50	ng/ml		100
21) Anthracene	11.077	178	231937	77.11	ng/ml		99
22) Carbazole	11.240	167	3366	1.51	ng/ml		52
23) 1-Methylphenanthrene	11.643	192	124646	47.21	ng/ml		95
24) Fluoranthene	12.266	202	774149	203.24	ng/ml		94
26) Pyrene	12.546	202	1001217	209.57	ng/ml		99
28) Benz(a)anthracene	14.621	228	203934	57.17	ng/ml		73
29) Chrysene	14.697	228	229628	62.30	ng/ml		97
31) Benzo(b)fluoranthene	17.191	252	209348	59.92	ng/ml		90
32) Benzo(k)fluoranthene	17.191	252	256811	77.92	ng/ml		88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

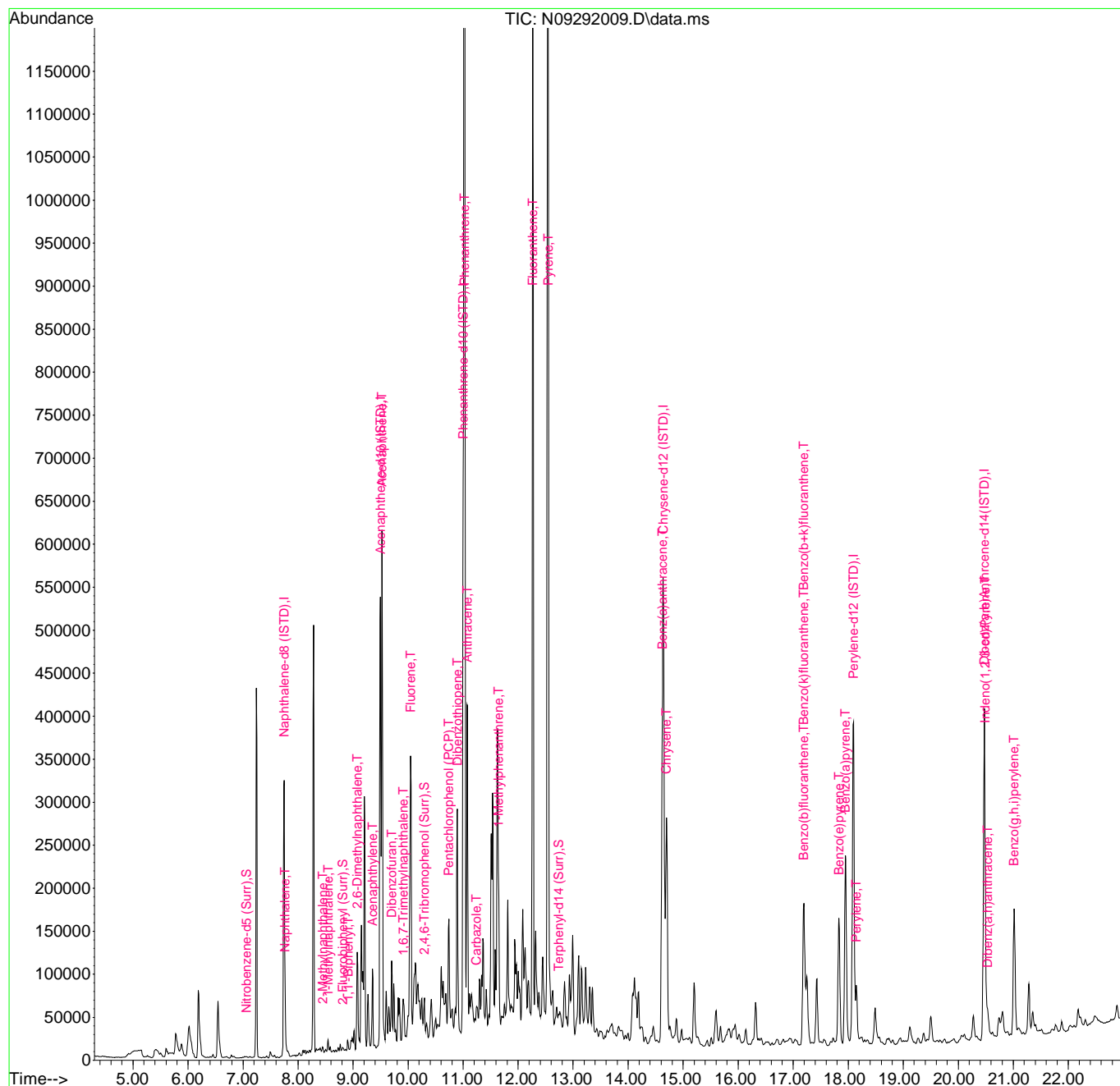
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.191	252	287693	80.92	ng/ml	88
34) Benzo(e)pyrene	17.833	252	131696	37.91	ng/ml	97
35) Benzo(a)pyrene	17.949	252	203598	80.38	ng/ml	95
36) Perylene	18.147	252	55901	14.86	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.485	276	125508	43.03	ng/ml	75
39) Dibenz(a,h)anthracene	20.537	278	15654	5.46	ng/ml	83
40) Benzo(g,h,i)perylene	21.015	276	153542	51.77	ng/ml	75

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

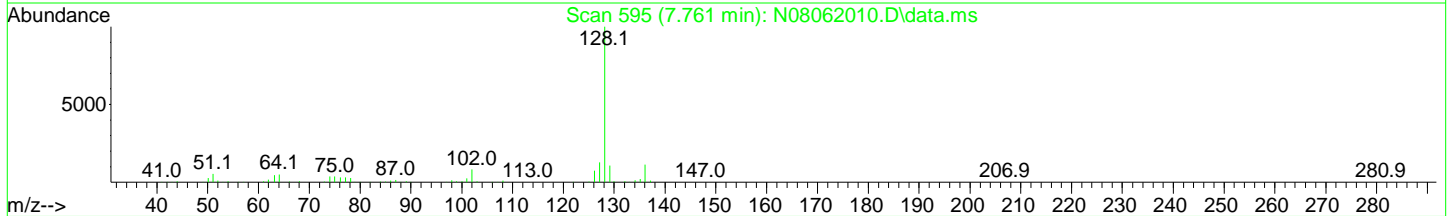
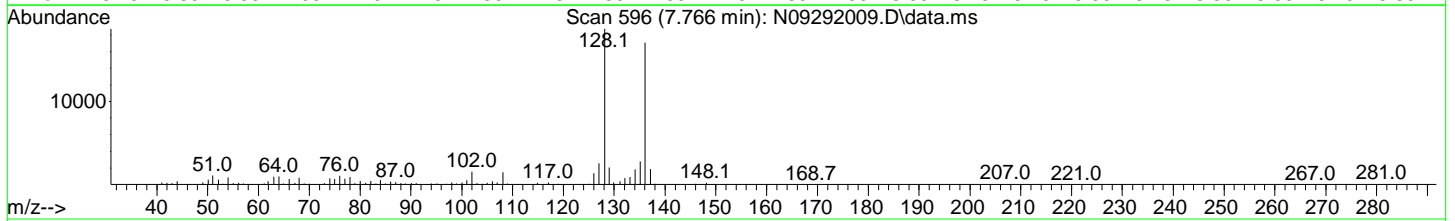
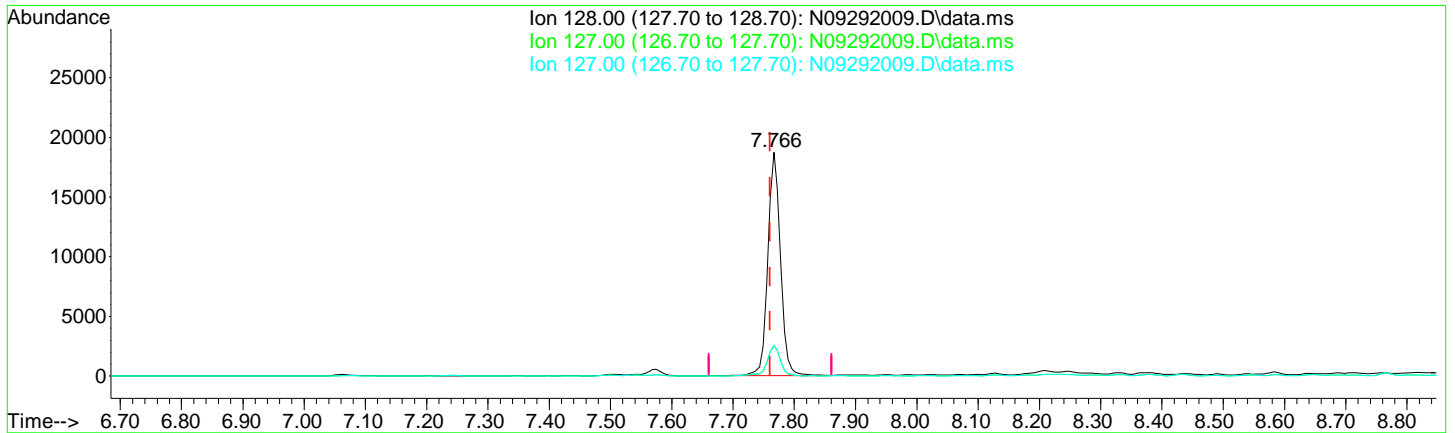
Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(4) Naphthalene (T)

7.766min (+ 0.006) 10.96 ng/ml

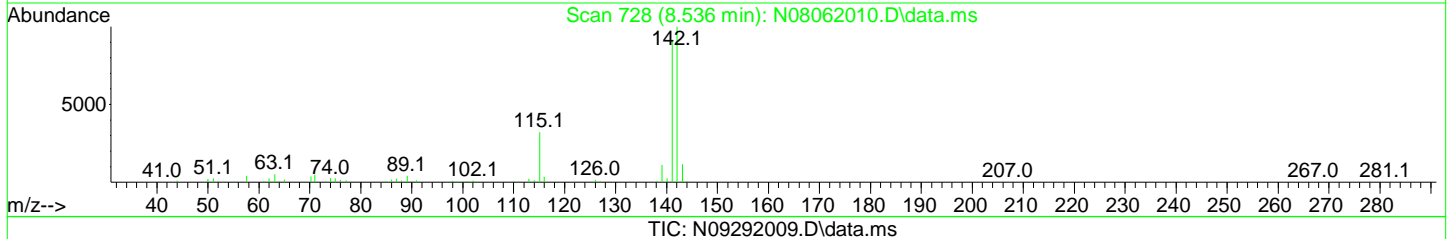
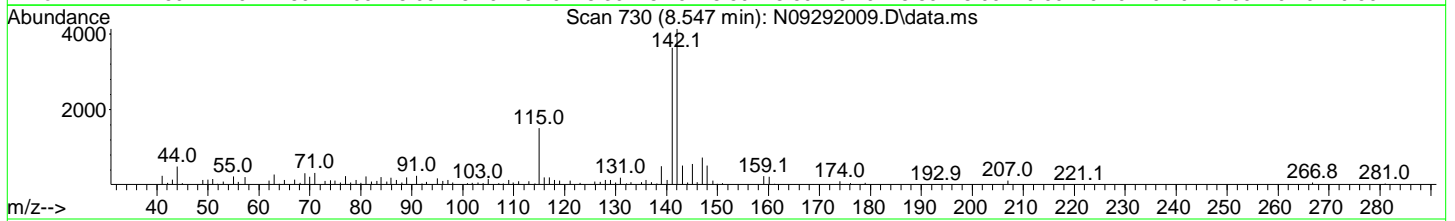
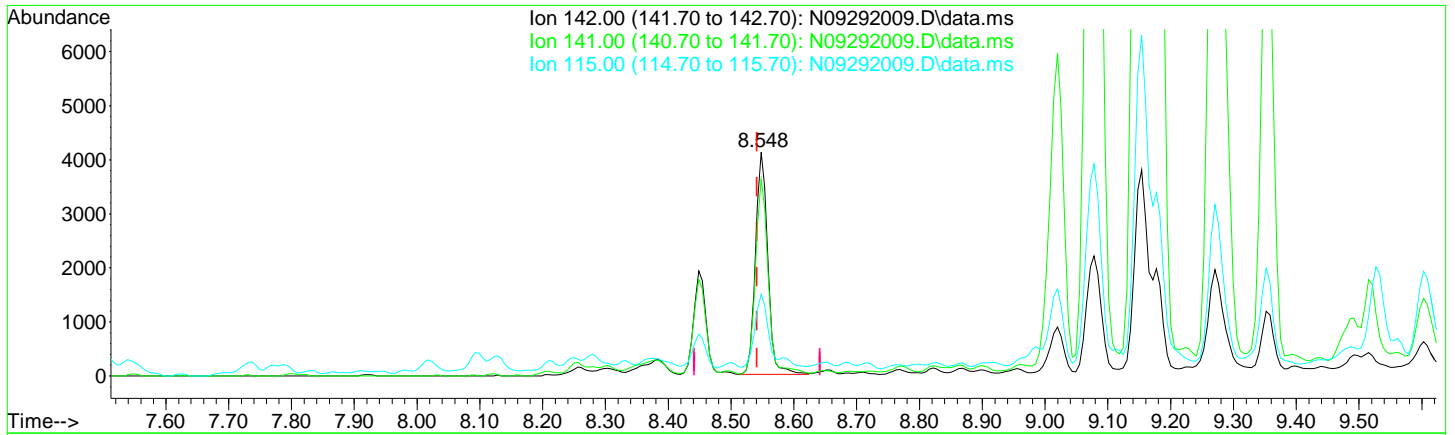
response 26835

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.66
127.00	12.60	13.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(6) 1-Methylnaphthalene (T)

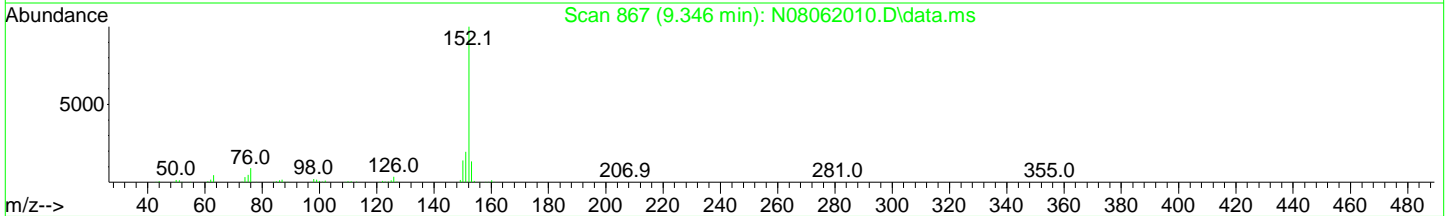
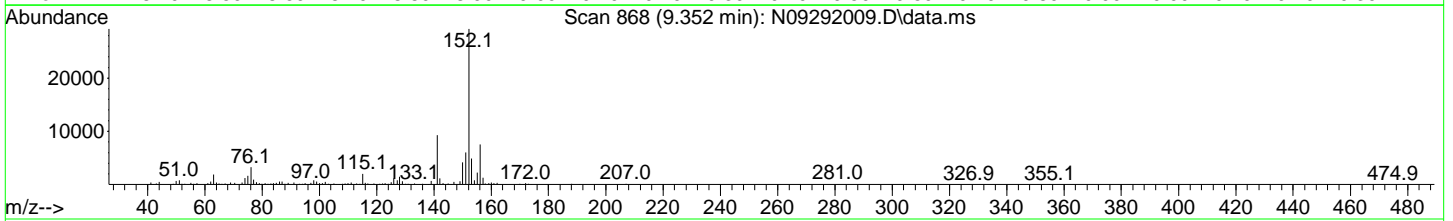
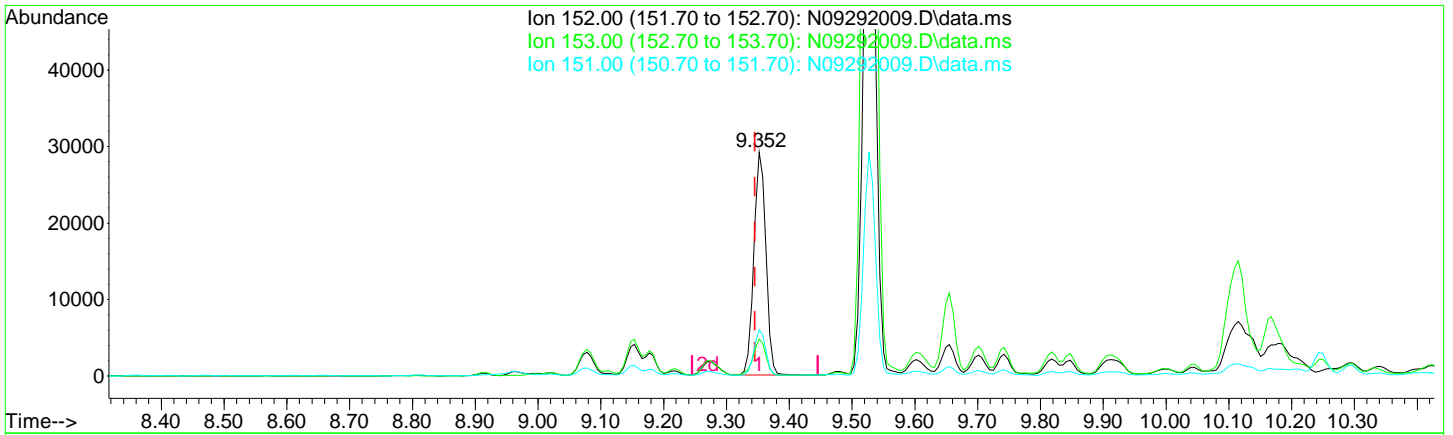
8.547min (+ 0.006) 3.15 ng/ml

response	5578
Ion	Exp% Act%
142.00	100.00 100.00
141.00	90.70 87.80
115.00	37.80 36.43
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(11) Acenaphthylene (T)

9.352min (+ 0.006) 14.11 ng/ml

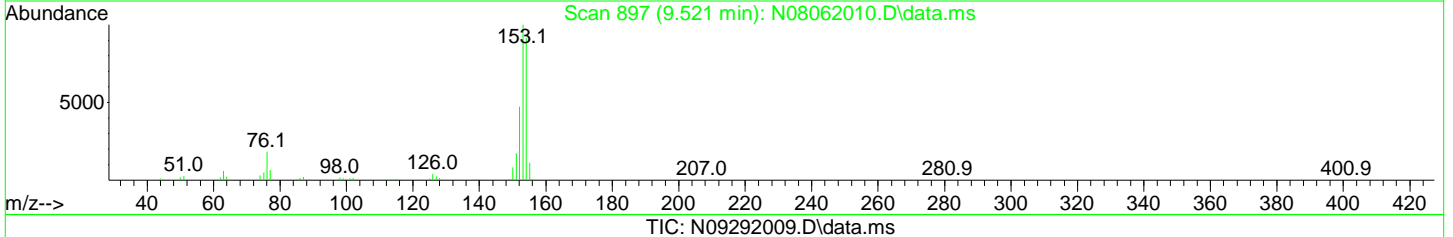
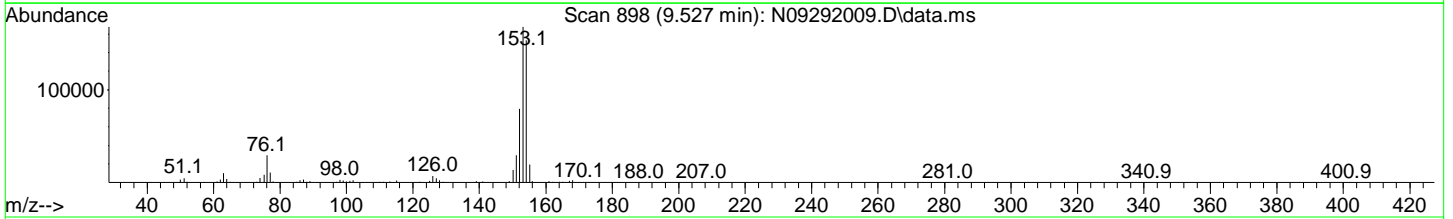
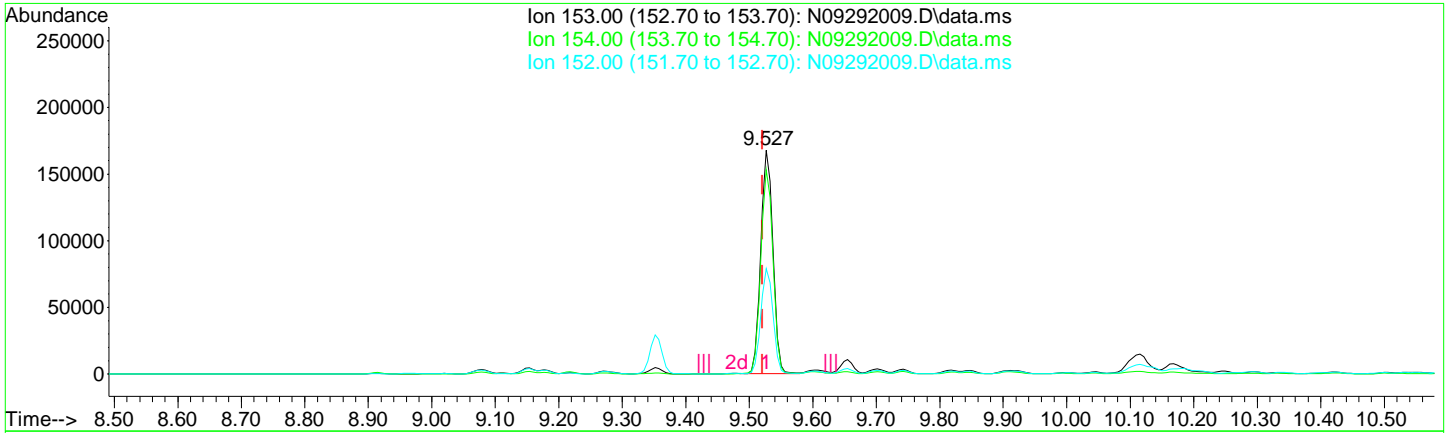
response 38837

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	16.58
151.00	19.30	20.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
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 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(12) Acenaphthene (T)

9.527min (+ 0.006) 109.54 ng/ml

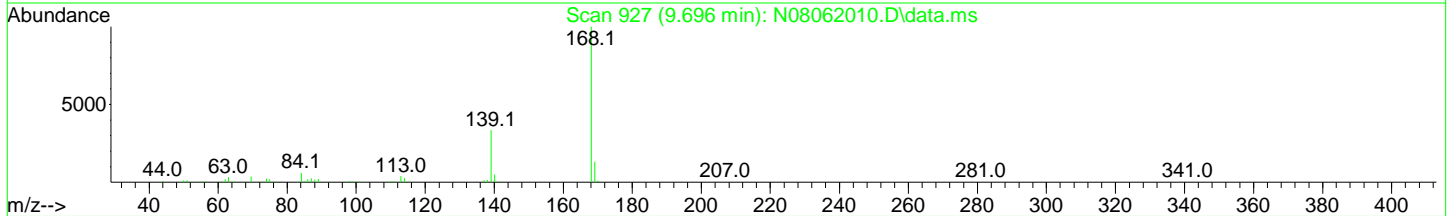
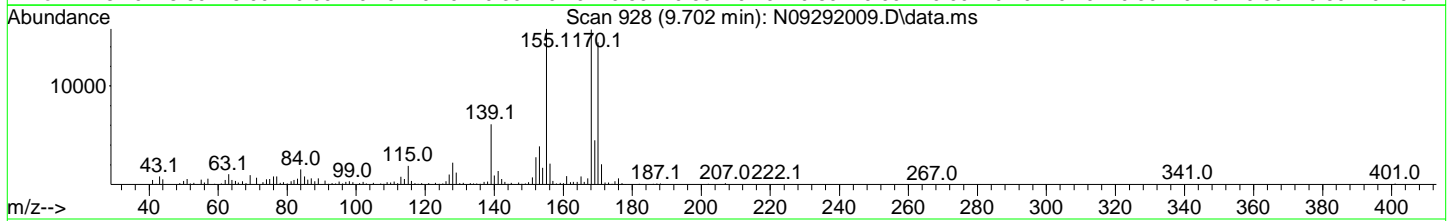
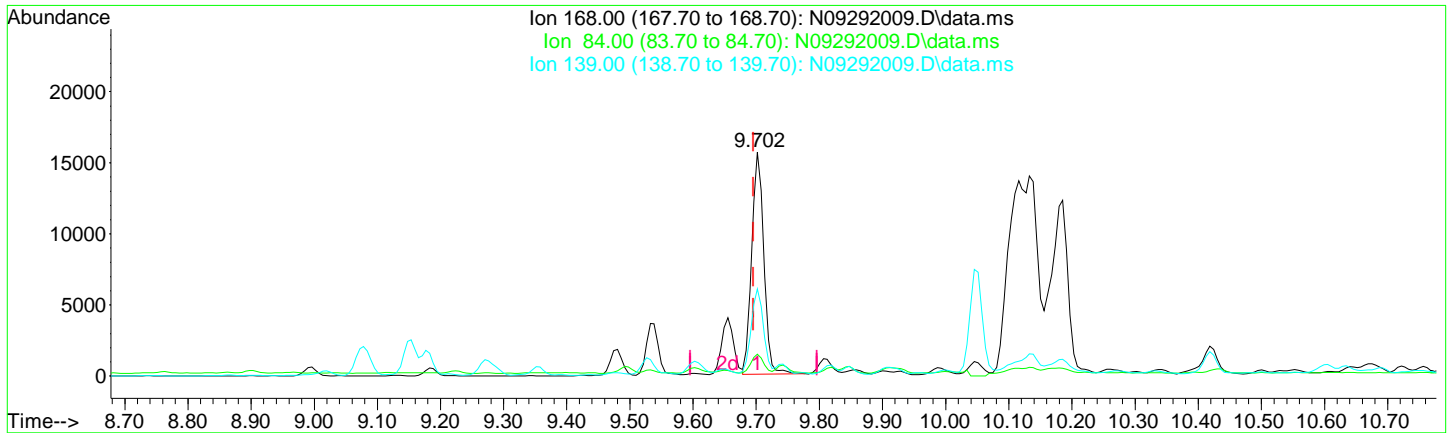
response 220260

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	91.31
152.00	46.80	47.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
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TIC: N09292009.D\data.ms

(13) Dibenzofuran (T)

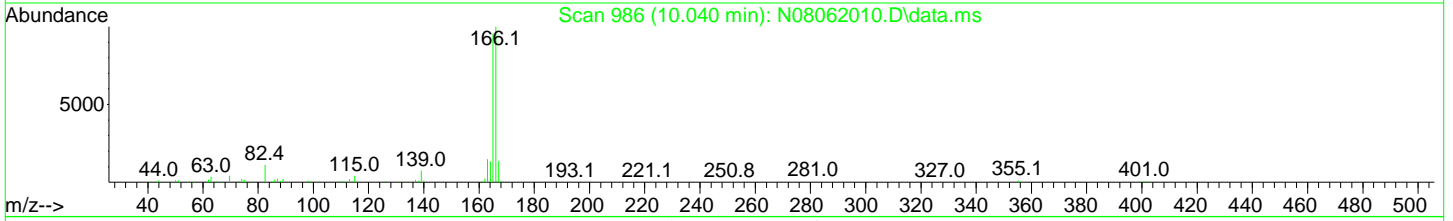
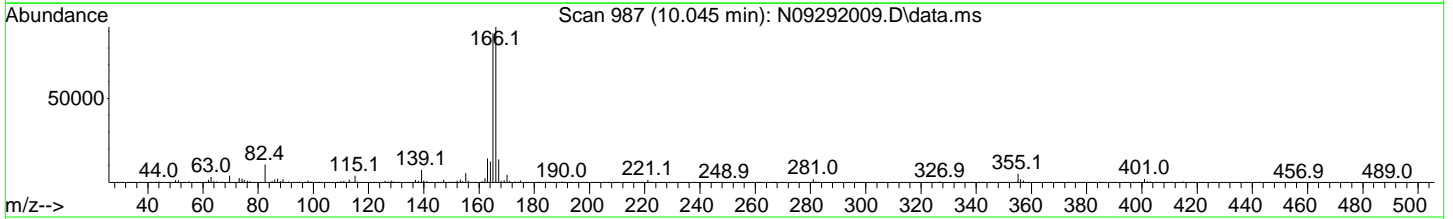
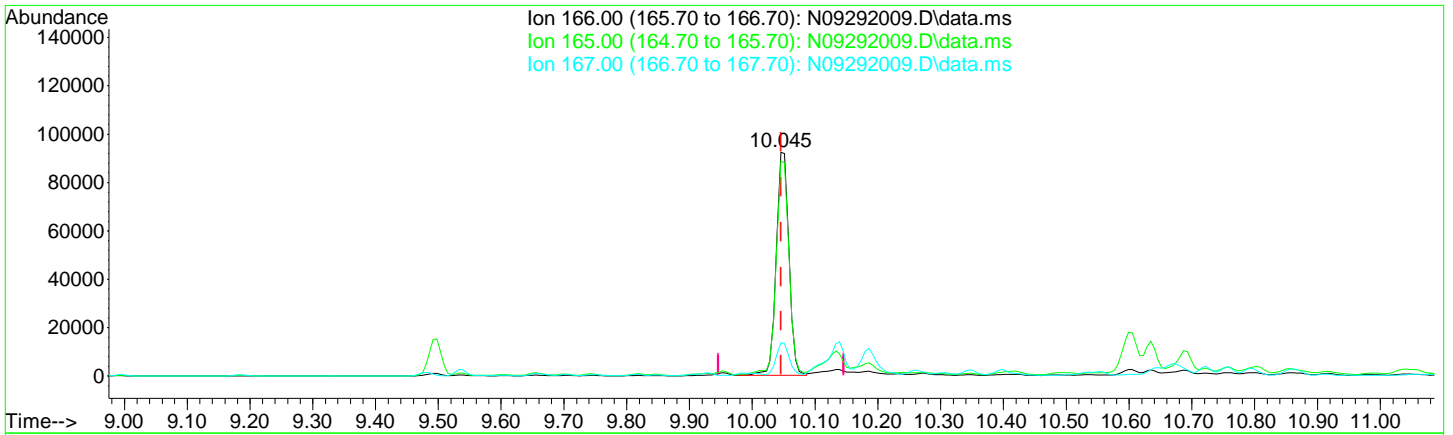
9.702min (+ 0.006) 8.23 ng/ml

response	20801
Ion	Exp% Act%
168.00	100.00 100.00
84.00	7.70 9.76
139.00	38.40 38.91
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
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TIC: N09292009.D\data.ms

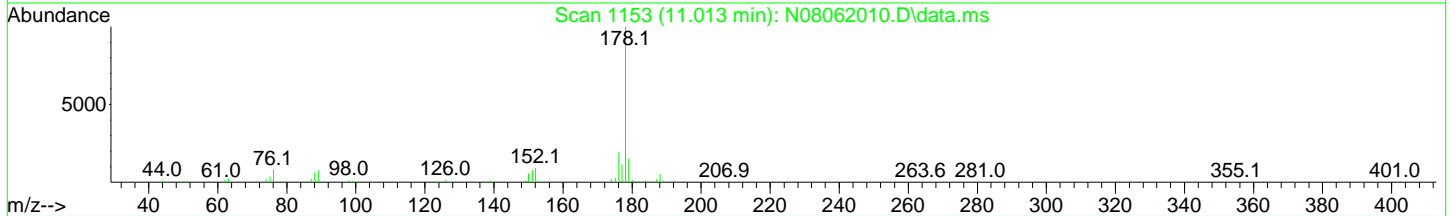
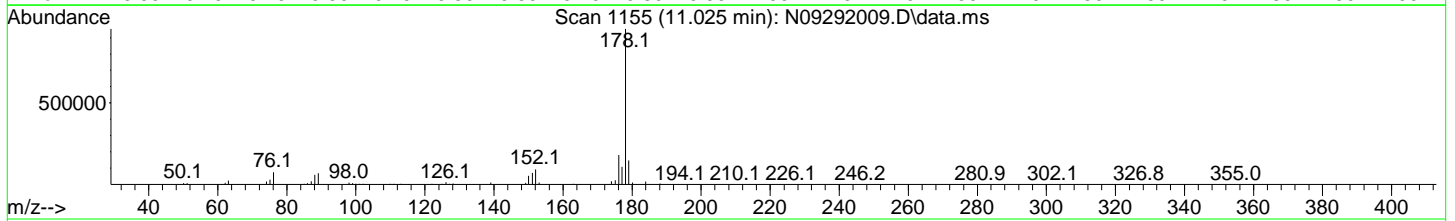
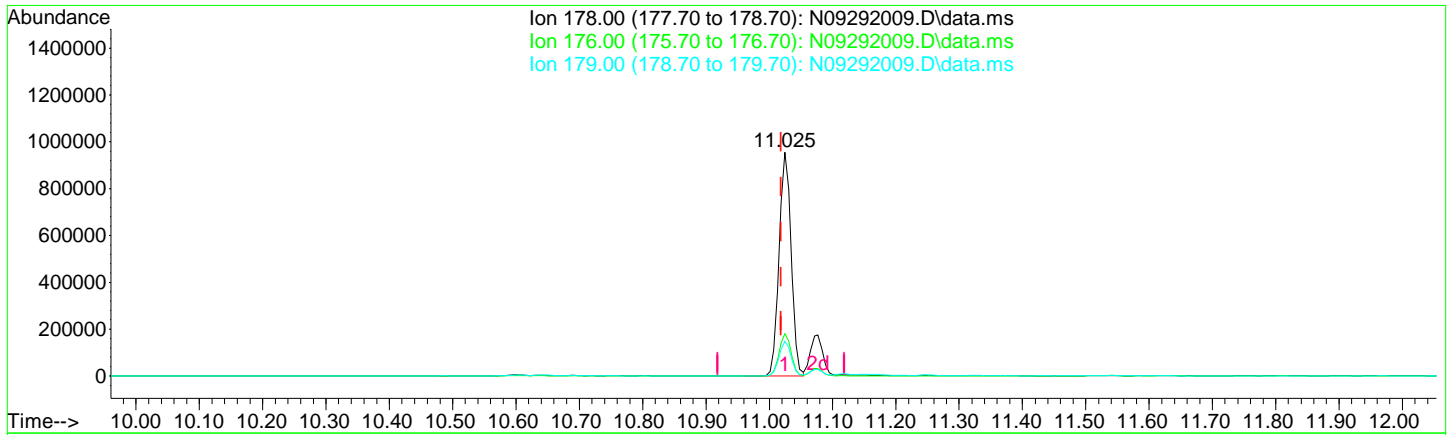
(15) Fluorene (T)
 10.045min (-0.000) 62.94 ng/ml
 response 128828

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.94
167.00	13.60	14.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
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 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(20) Phenanthrene (T)

11.025min (+ 0.006) 341.50 ng/ml

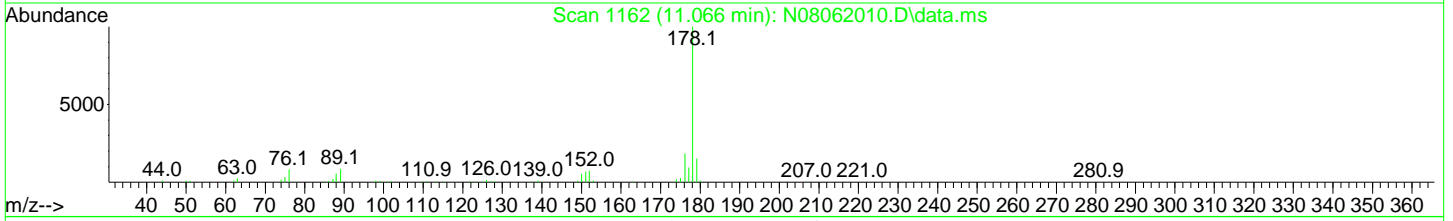
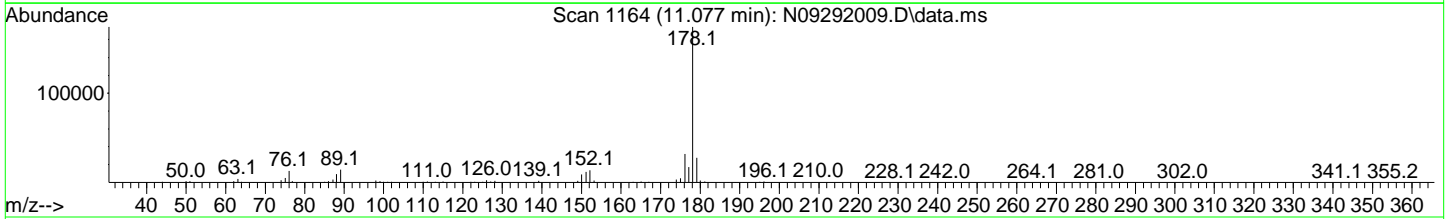
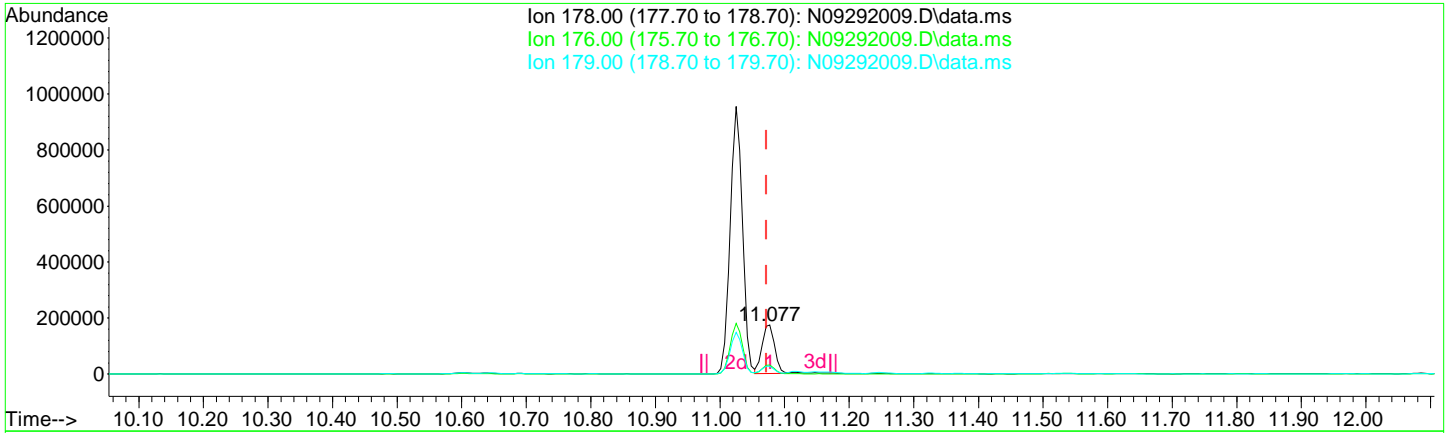
response 1254013

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.94
179.00	15.10	15.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
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TIC: N09292009.D\data.ms

(21) Anthracene (T)

11.077min (+ 0.006) 77.11 ng/ml

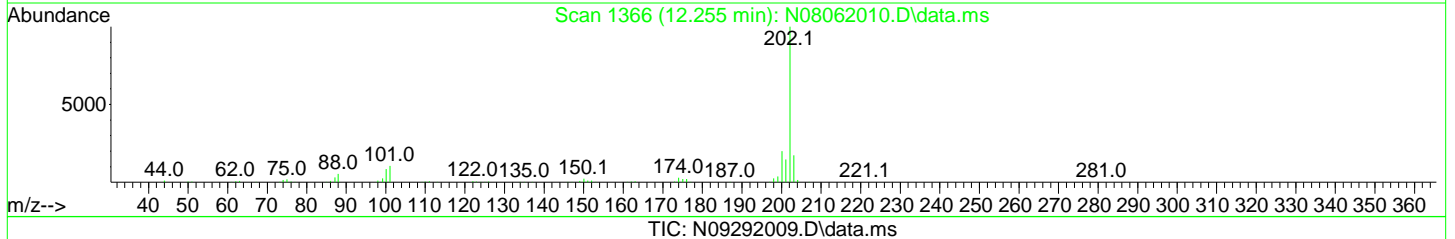
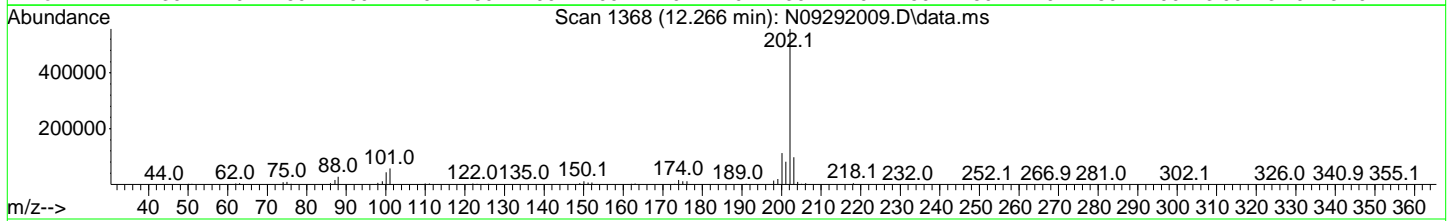
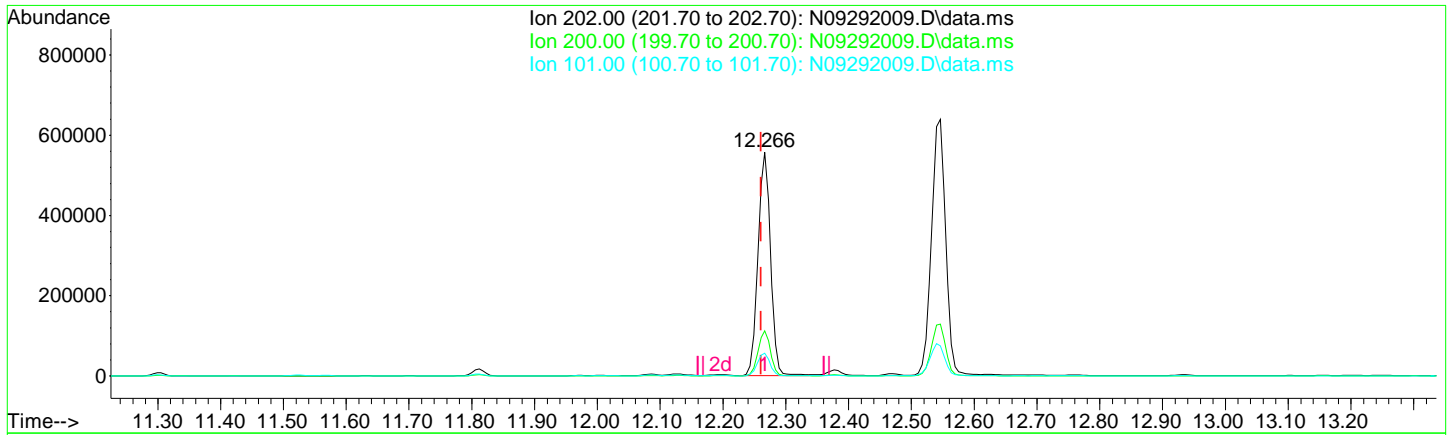
response 231937

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.30
179.00	15.30	15.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
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Quant Time: Sep 29 12:58:37 2020
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TIC: N09292009.D\data.ms

(24) Fluoranthene (T)

12.266min (+ 0.006) 203.24 ng/ml

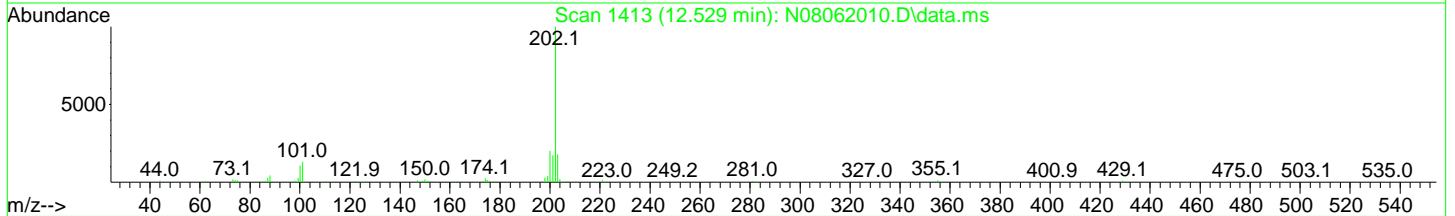
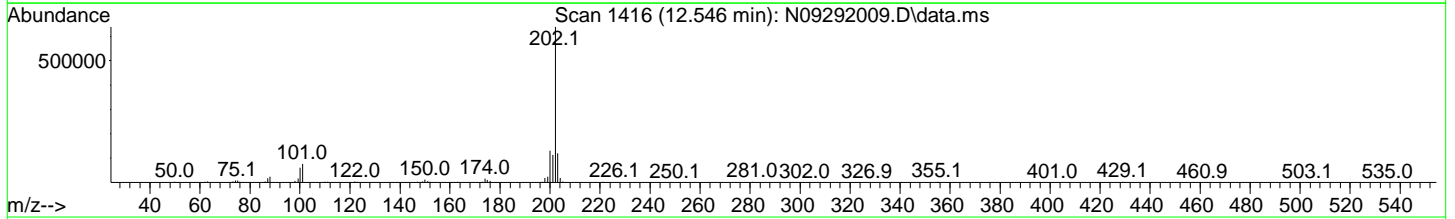
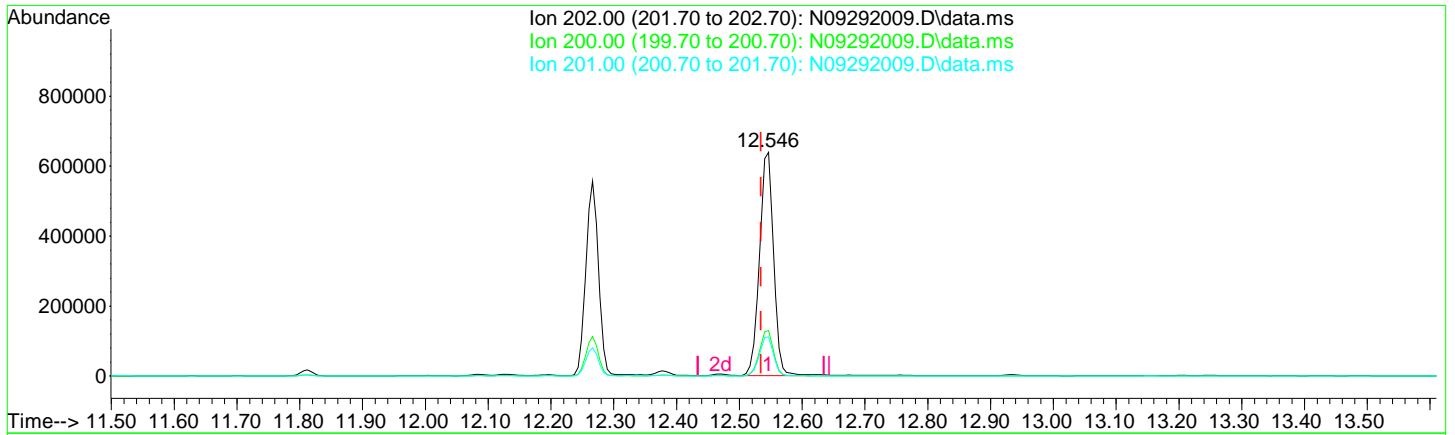
response 774149

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.18
101.00	15.30	10.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
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Quant Time: Sep 29 12:58:37 2020
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 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(26) Pyrene (T)

12.546min (+ 0.012) 209.57 ng/ml

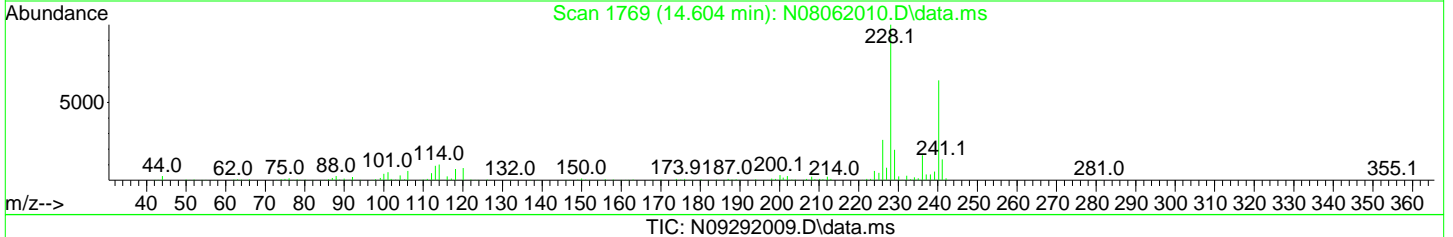
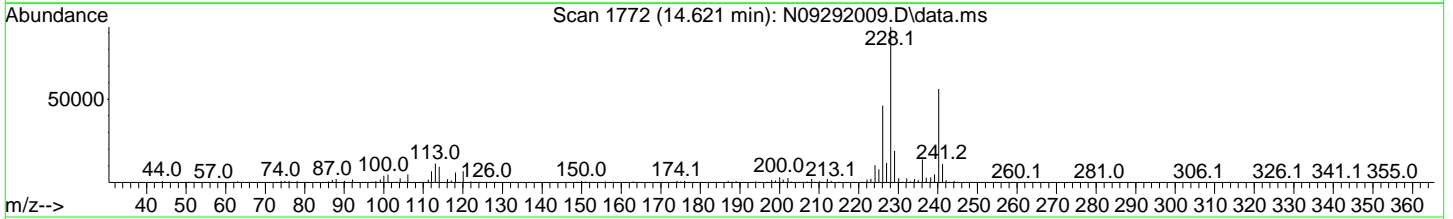
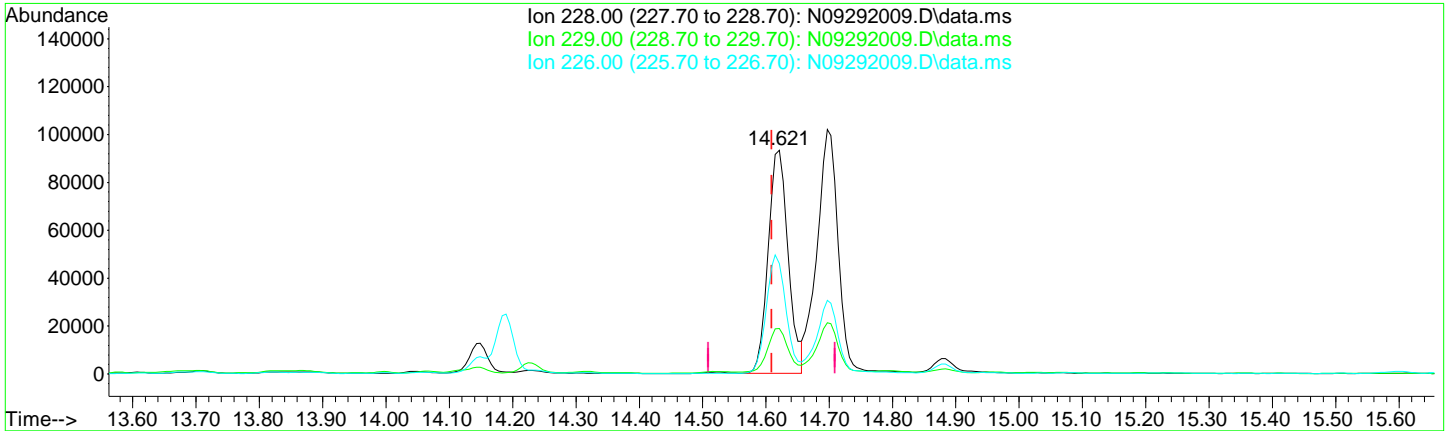
response 1001217

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.30
201.00	16.80	17.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



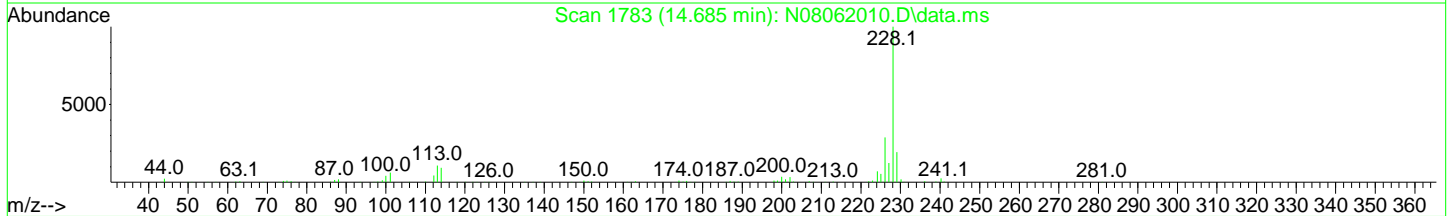
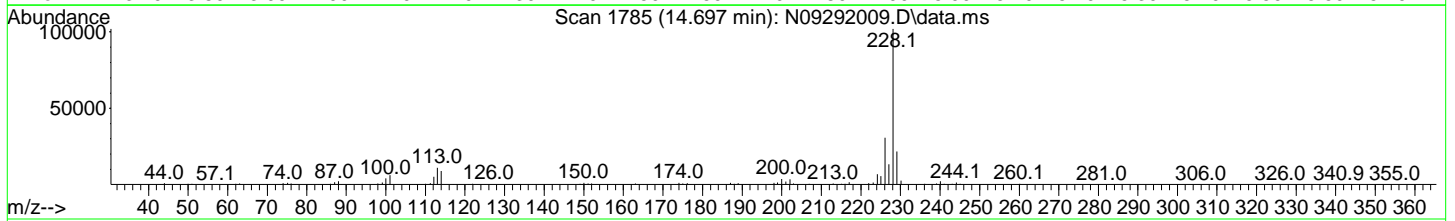
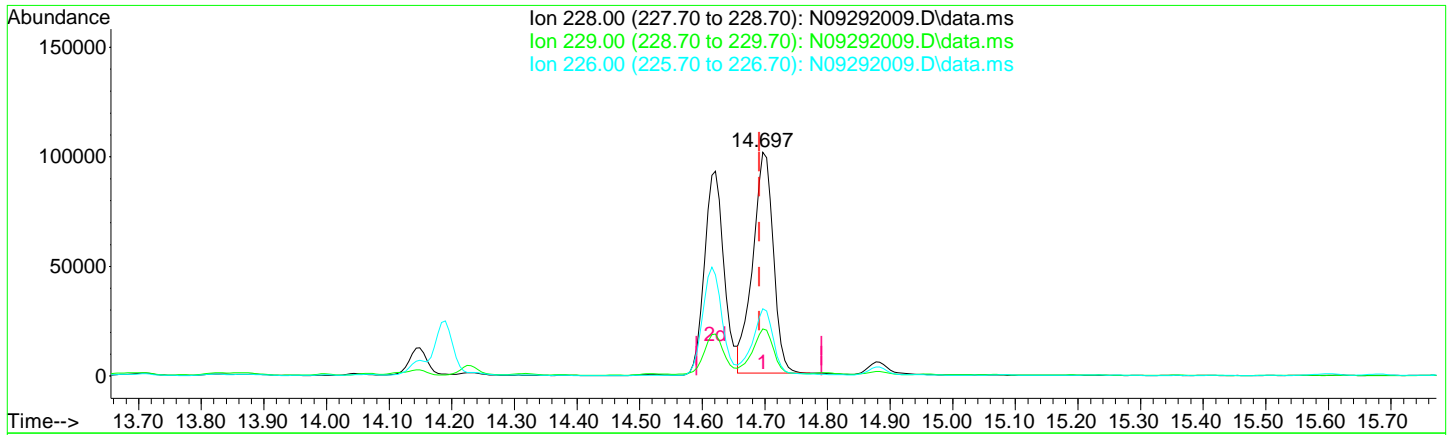
TIC: N09292009.D\data.ms

(28) Benz(a)anthracene (T)		
14.621min (+ 0.012)	57.17 ng/ml	
response	203934	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.39
226.00	26.20	49.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



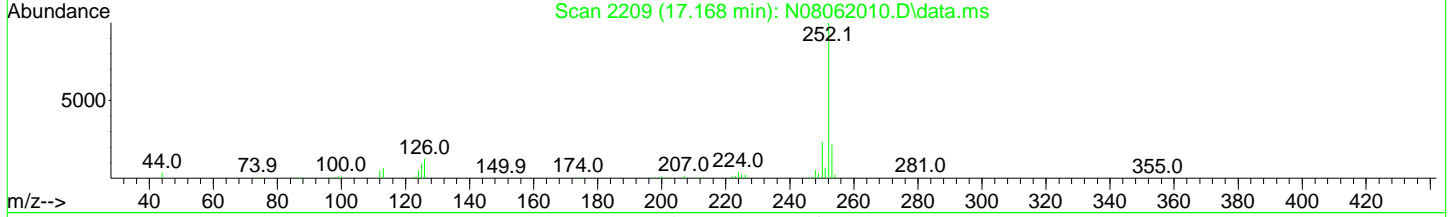
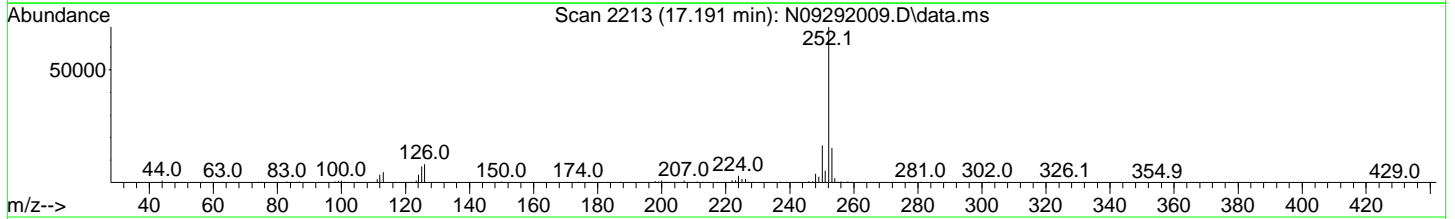
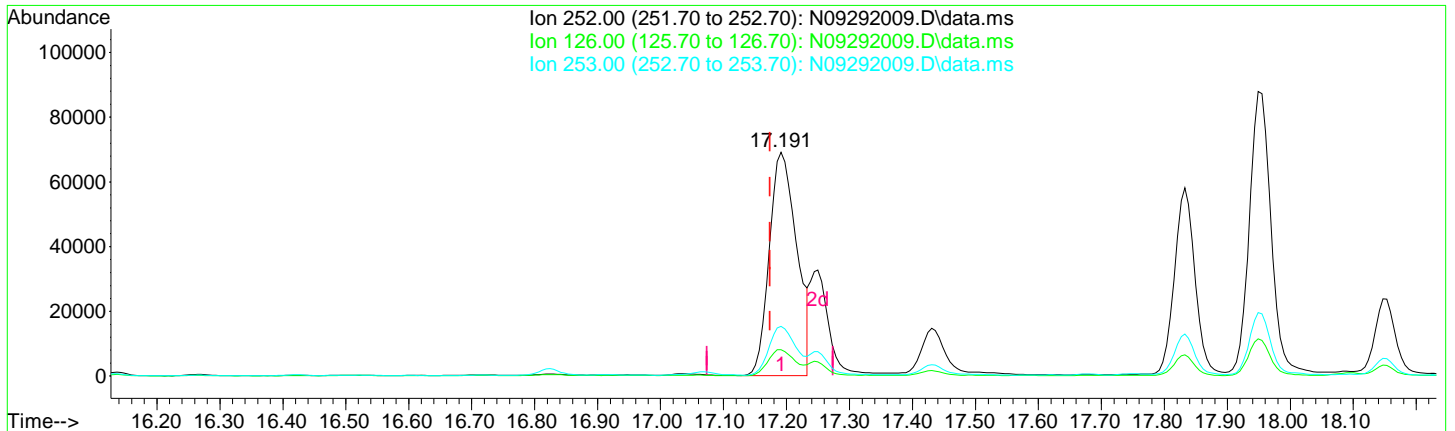
TIC: N09292009.D\data.ms

(29) Chrysene (T)		
14.697min (+ 0.006)	62.30 ng/ml	
response	229628	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.07
226.00	28.60	30.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



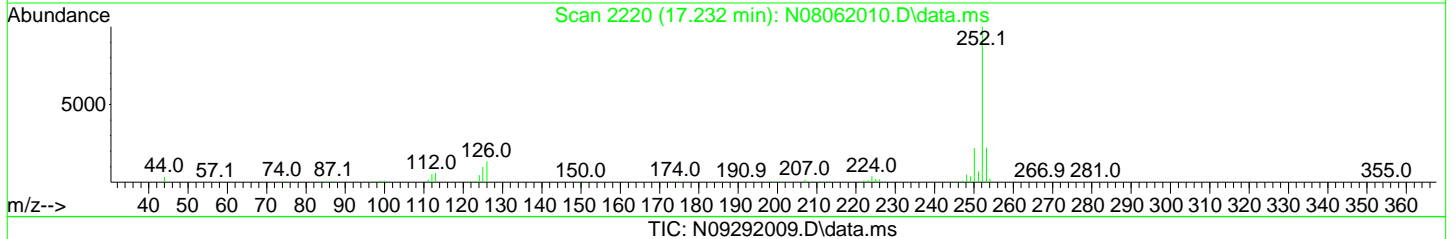
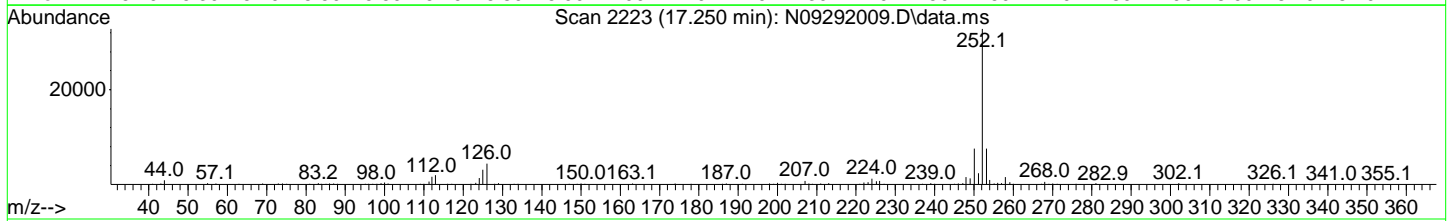
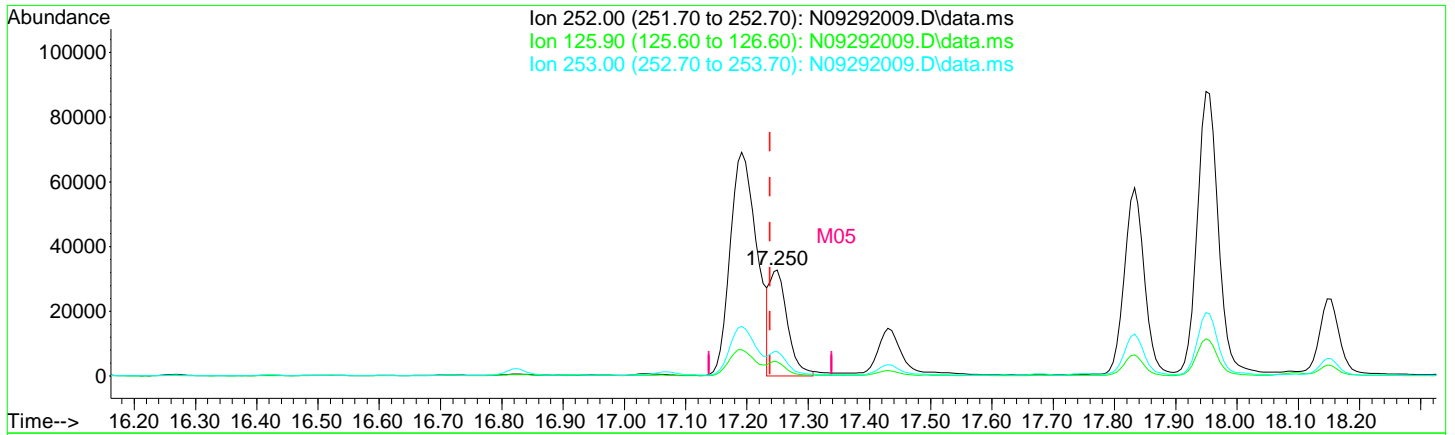
TIC: N09292009.D\data.ms

(31) Benzo(b)fluoranthene (T)		
17.191min (+ 0.017)	59.92 ng/ml	
response	209348	
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.74
253.00	21.10	22.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(32) Benzo(k)fluoranthene (T)

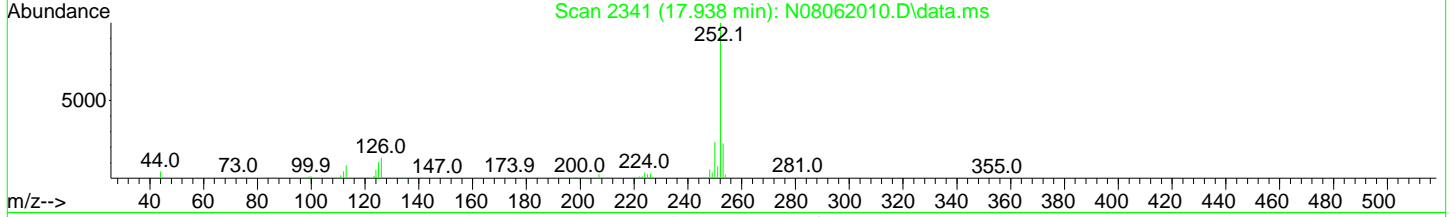
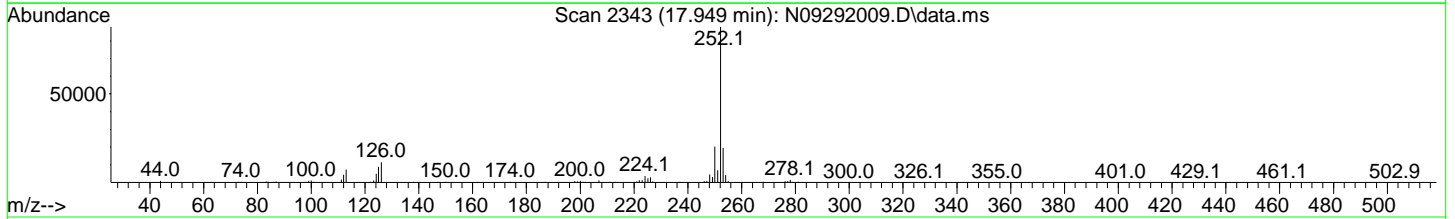
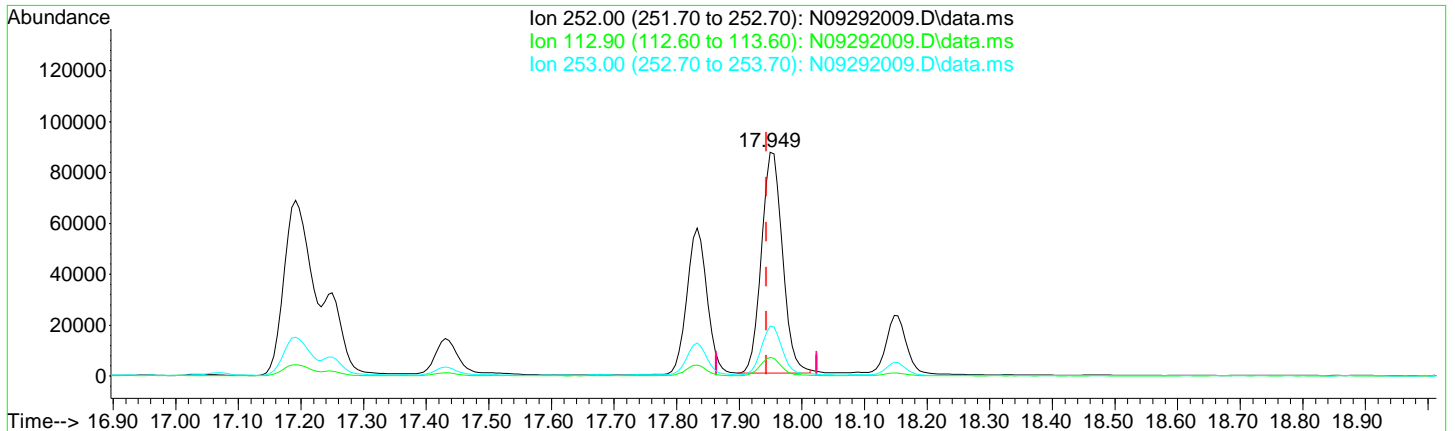
17.250min (+ 0.012) 19.89 ng/ml m

response	65563
Ion	Exp% Act%
252.00	100.00 100.00
125.90	22.10 13.40
253.00	21.50 22.97
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(35) Benzo(a)pyrene (T)

17.949min (+ 0.006) 80.38 ng/ml

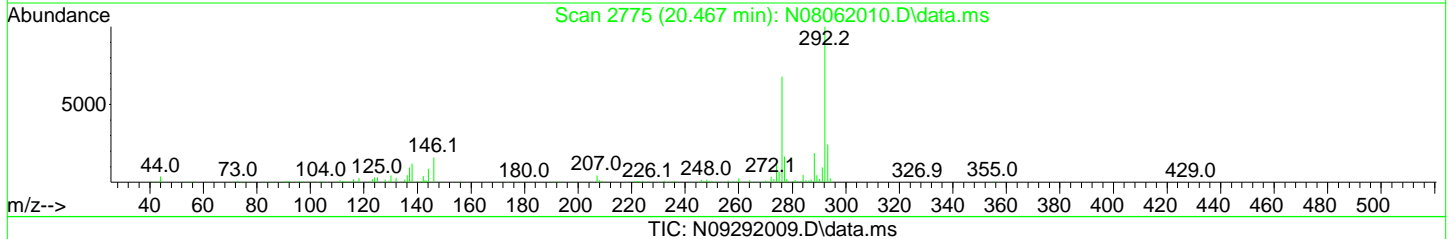
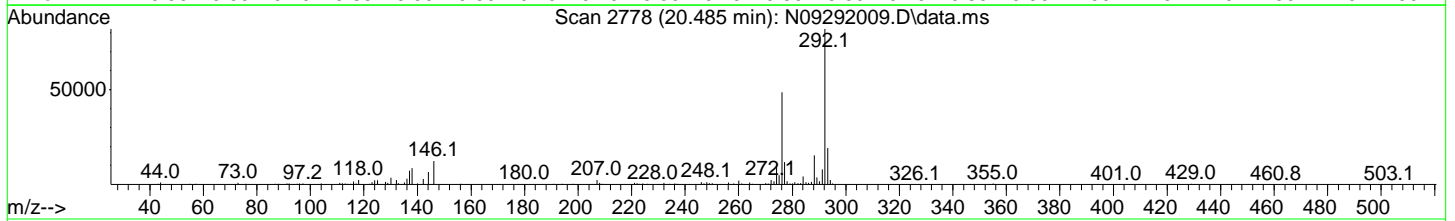
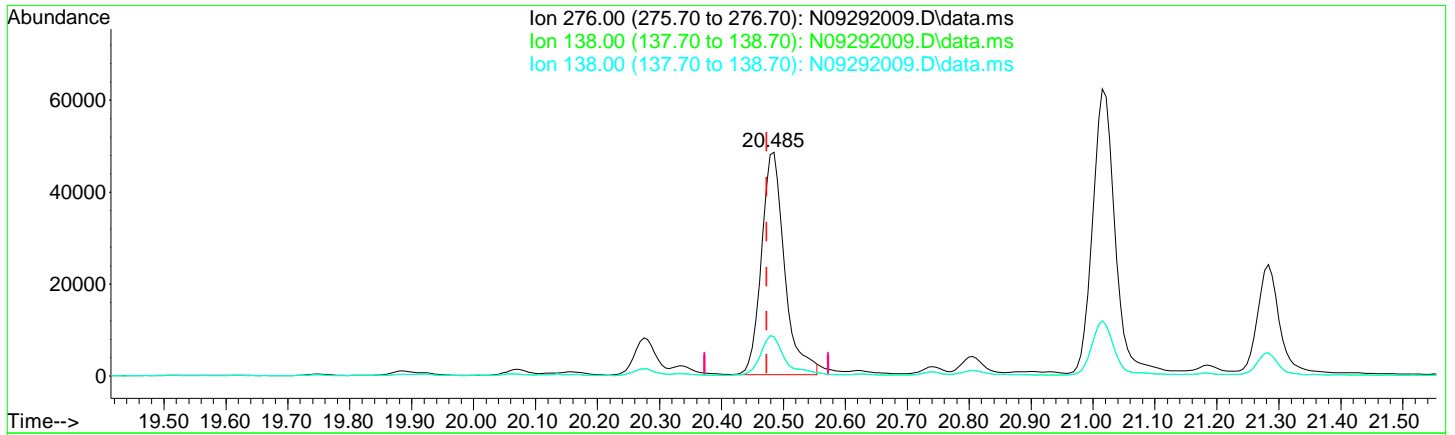
response 203598

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	8.27
253.00	21.90	22.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

20.485min (+ 0.012) 43.03 ng/ml

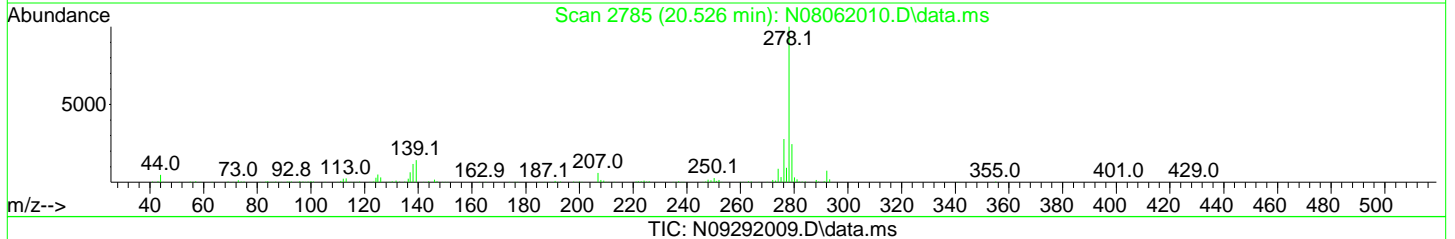
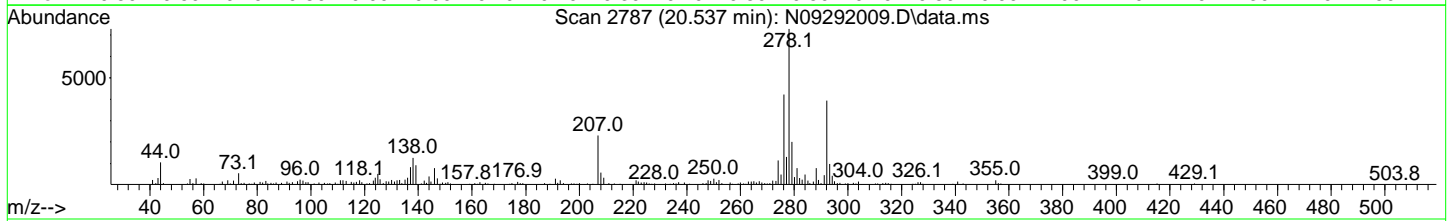
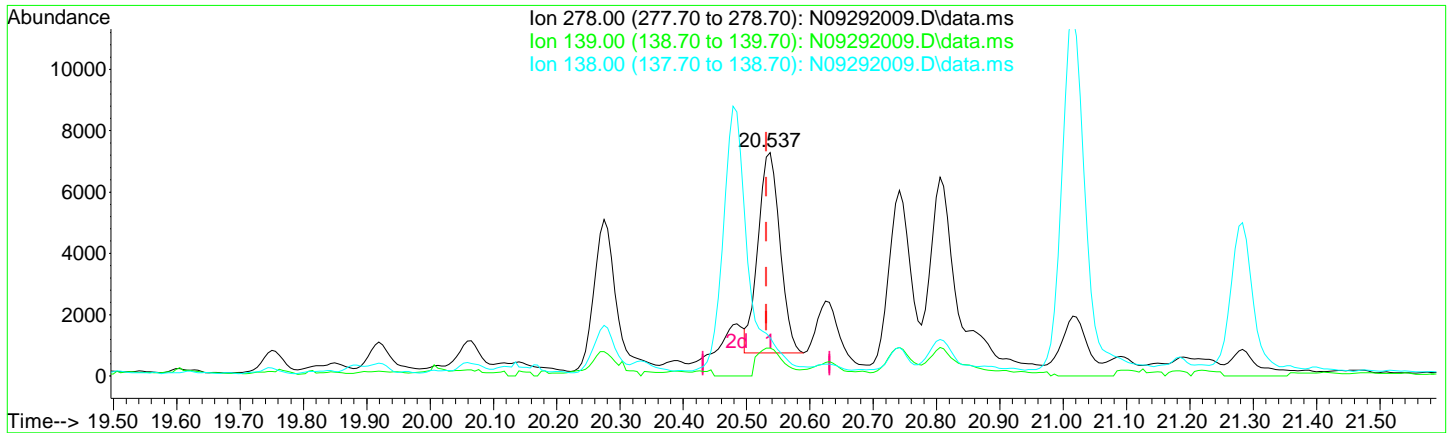
response 125508

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	17.68
138.00	31.60	17.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(39) Dibenz(a,h)anthracene (T)

20.537min (+ 0.006) 5.46 ng/ml

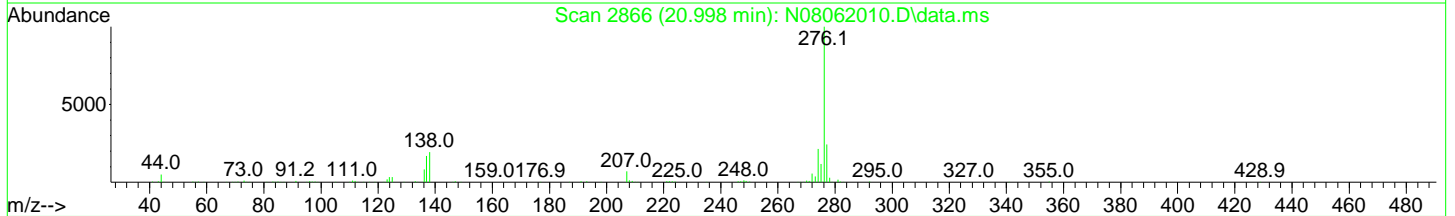
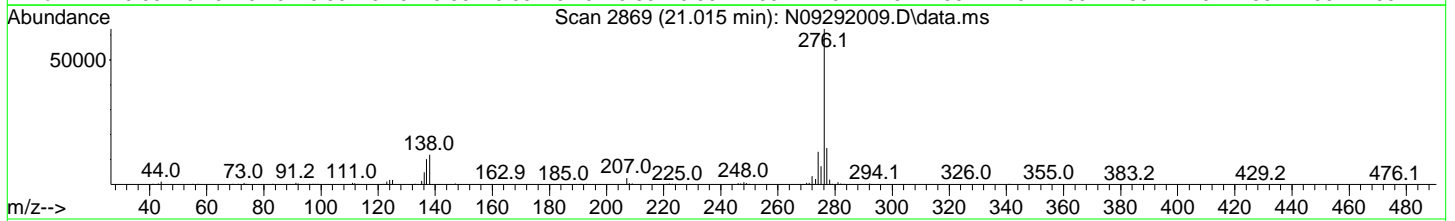
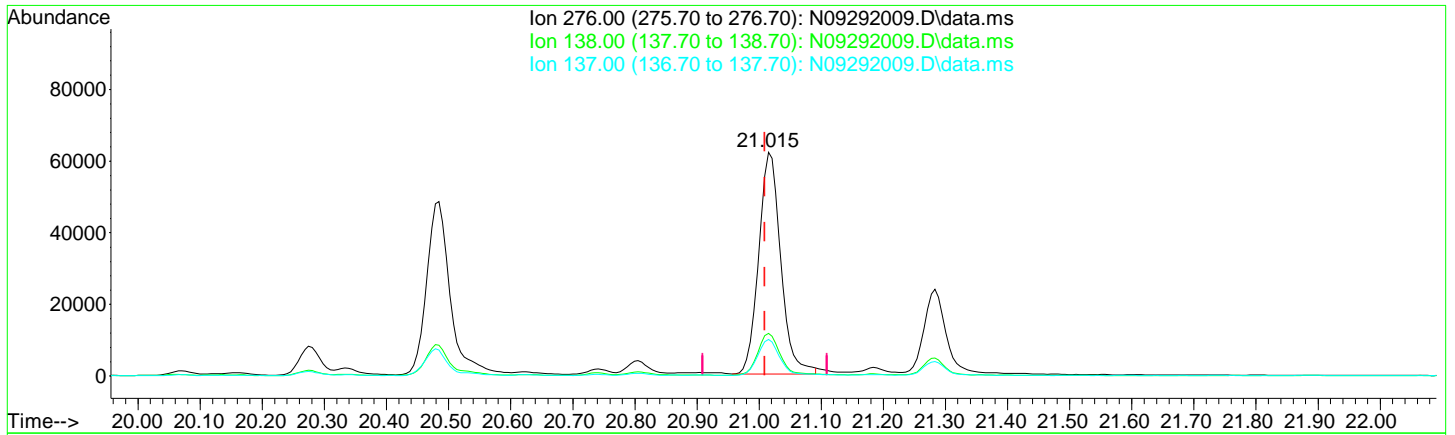
response 15654

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	12.52
138.00	19.90	17.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292009.D
 Acq On : 29 Sep 2020 12:28 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-40RE1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 29 12:58:37 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292009.D\data.ms

(40) Benzo(g,h,i)perylene (T)

21.015min (+ 0.006) 51.77 ng/ml

response	153542
Ion	Exp% Act%
276.00	100.00 100.00
138.00	34.40 19.13
137.00	28.60 16.33
0.00	0.00 0.00

AMS 9/29/20

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

M05
RR2

Quant Time: Sep 29 13:29:56 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	251115	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	162394	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	315869	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.639	240	314781	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.089	264	306720	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthracene-d...	20.467	292	230360	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.056	82	479	0.68	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.810	172	2115	0.91	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	221	2.47	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	2789	0.92	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.213	138	95	0.64	ng/ml#	33
4) Naphthalene	7.767	128	25867	9.99	ng/ml	99
5) 2-Methylnaphthalene	8.449	142	4618	2.47	ng/ml	98
6) 1-Methylnaphthalene	8.542	142	7476	3.99	ng/ml	98
7) 1,1'-Biphenyl	8.909	154	2221	0.93	ng/ml	91
8) 2,6-Dimethylnaphthalene	9.072	156	82869	47.45	ng/ml	97
11) Acenaphthylene	9.352	152	82107	30.17	ng/ml	95
12) Acenaphthene	9.527	153	392383	197.28	ng/ml	100
13) Dibenzofuran	9.702	168	33059	13.22	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	9.906	170	41485	23.00	ng/ml	94
15) Fluorene	10.046	166	231870	114.51	ng/ml	100
18) Pentachlorophenol (PCP)	10.733	266	166	10.00	ng/ml#	1
19) Dibenzothiopene	10.891	184	263795	86.00	ng/ml	94
20) Phenanthrene	11.025	178	2069276	605.29	ng/ml	RR2100
21) Anthracene	11.071	178	397218	141.86	ng/ml	98
22) Carbazole	11.241	167	2205	1.06	ng/ml#	1
23) 1-Methylphenanthrene	11.643	192	100848	41.03	ng/ml	97
24) Fluoranthene	12.266	202	1310004	369.40	ng/ml	94
26) Pyrene	12.540	202	1663659	394.71	ng/ml	99
28) Benz(a)anthracene	14.615	228	349523	111.07	ng/ml	66
29) Chrysene	14.697	228	406619	125.05	ng/ml	98
31) Benzo(b)fluoranthene	17.192	252	367895	118.29	ng/ml	90
32) Benzo(k)fluoranthene	17.244	252	126813m	43.22	ng/ml	M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:29:56 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

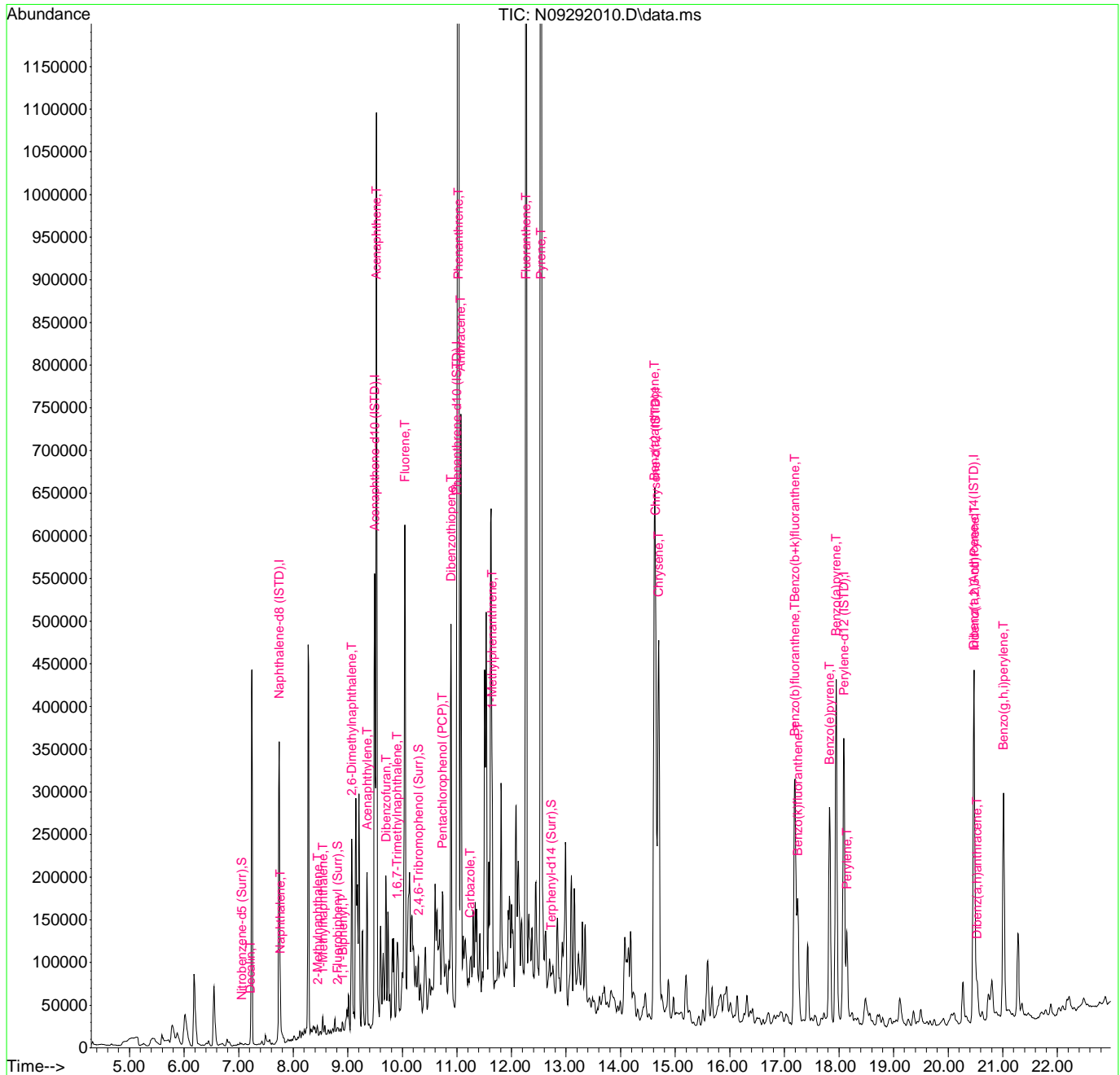
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.192	252	514973	162.70	ng/ml	88
34) Benzo(e)pyrene	17.827	252	236208	76.37	ng/ml	98
35) Benzo(a)pyrene	17.949	252	363402	161.16	ng/ml	96
36) Perylene	18.147	252	100573	30.04	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.479	276	210115	84.75	ng/ml	74
39) Dibenz(a,h)anthracene	20.531	278	26339	10.80	ng/ml	87
40) Benzo(g,h,i)perylene	21.015	276	258705	102.63	ng/ml	73

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:29:56 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	251115	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	162394	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	315869	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.639	240	314781	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.089	264	306720	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	230360	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.056	82	479	0.68	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.810	172	2115	0.91	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	221	2.47	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	2789	0.92	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.213	138	95	0.64	ng/ml#	33
4) Naphthalene	7.767	128	25867	9.99	ng/ml	99
5) 2-Methylnaphthalene	8.449	142	4618	2.47	ng/ml	98
6) 1-Methylnaphthalene	8.542	142	7476	3.99	ng/ml	98
7) 1,1'-Biphenyl	8.909	154	2221	0.93	ng/ml	91
8) 2,6-Dimethylnaphthalene	9.072	156	82869	47.45	ng/ml	97
11) Acenaphthylene	9.352	152	82107	30.17	ng/ml	95
12) Acenaphthene	9.527	153	392383	197.28	ng/ml	100
13) Dibenzofuran	9.702	168	33059	13.22	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	9.906	170	41485	23.00	ng/ml	94
15) Fluorene	10.046	166	231870	114.51	ng/ml	100
18) Pentachlorophenol (PCP)	10.733	266	166	10.00	ng/ml#	1
19) Dibenzothiopene	10.891	184	263795	86.00	ng/ml	94
20) Phenanthrene	11.025	178	2069276	605.29	ng/ml	100
21) Anthracene	11.071	178	397218	141.86	ng/ml	98
22) Carbazole	11.241	167	2205	1.06	ng/ml#	1
23) 1-Methylphenanthrene	11.643	192	100848	41.03	ng/ml	97
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26) Pyrene	12.540	202	1663659	394.71	ng/ml	99
28) Benz(a)anthracene	14.615	228	349523	111.07	ng/ml	66
29) Chrysene	14.697	228	406619	125.05	ng/ml	98
31) Benzo(b)fluoranthene	17.192	252	367895	118.29	ng/ml	90
32) Benzo(k)fluoranthene	17.192	252	470849	160.47	ng/ml	88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

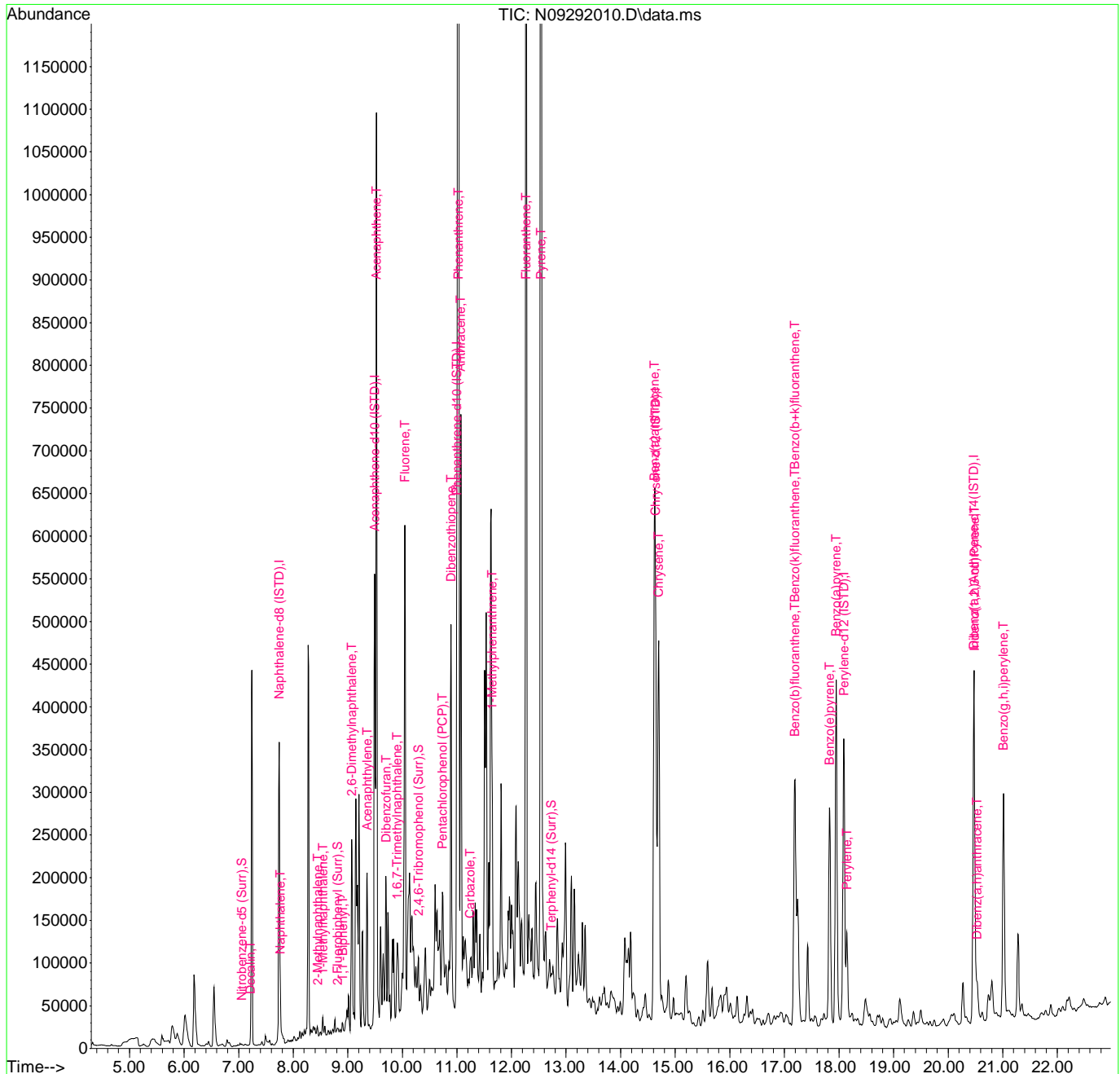
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.192	252	514973	162.70	ng/ml	88
34) Benzo(e)pyrene	17.827	252	236208	76.37	ng/ml	98
35) Benzo(a)pyrene	17.949	252	363402	161.16	ng/ml	96
36) Perylene	18.147	252	100573	30.04	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.479	276	210115	84.75	ng/ml	74
39) Dibenz(a,h)anthracene	20.531	278	26339	10.80	ng/ml	87
40) Benzo(g,h,i)perylene	21.015	276	258705	102.63	ng/ml	73

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

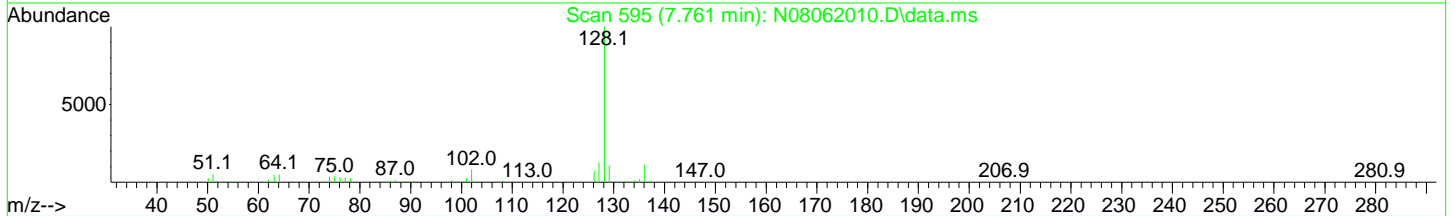
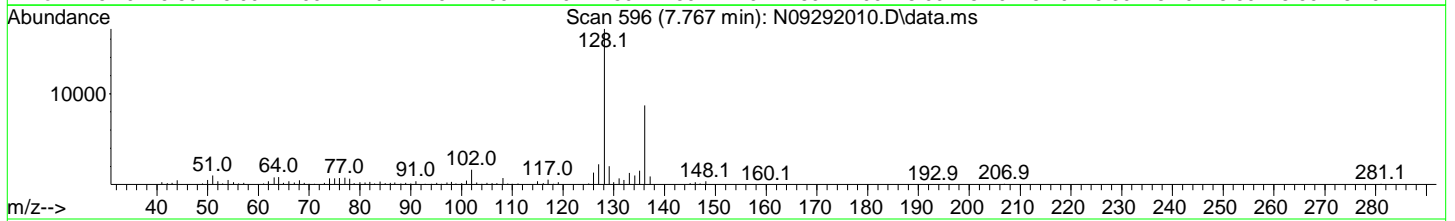
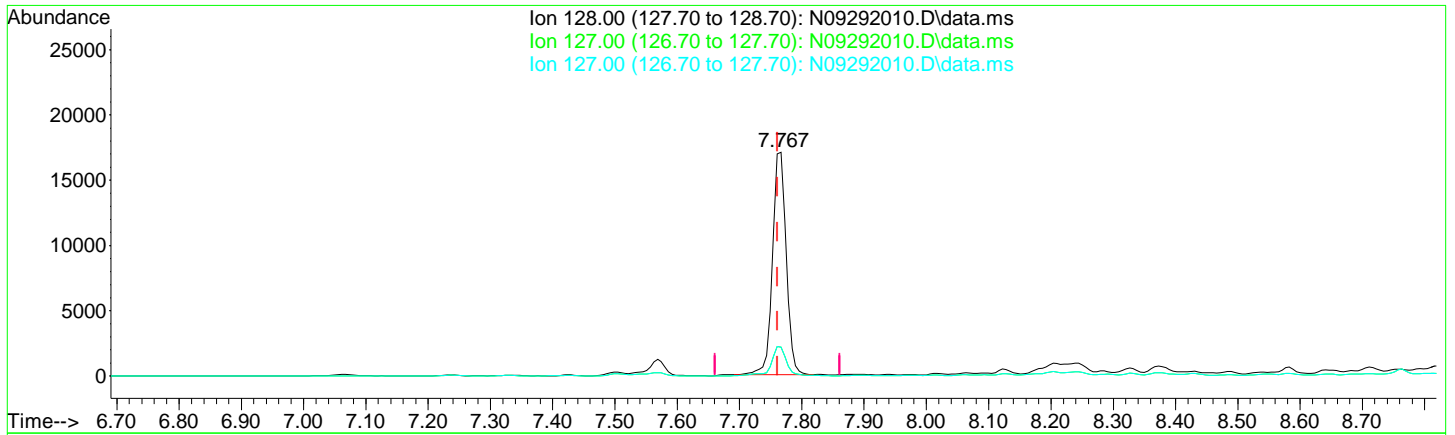
Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(4) Naphthalene (T)

7.767min (+ 0.006) 9.99 ng/ml

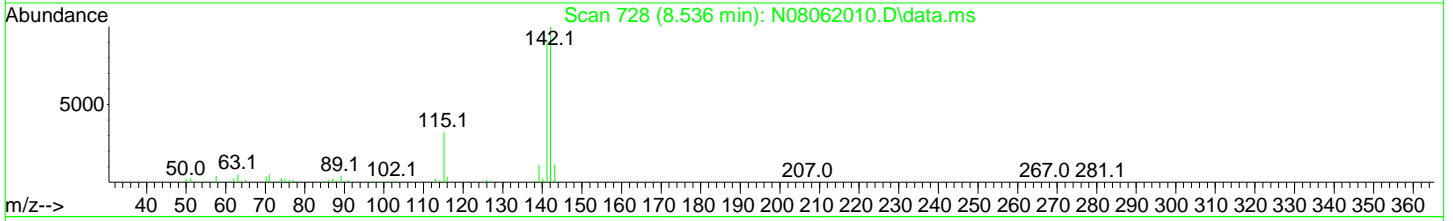
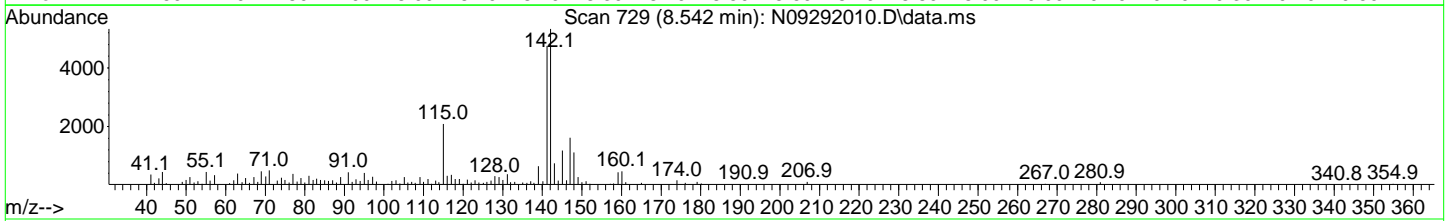
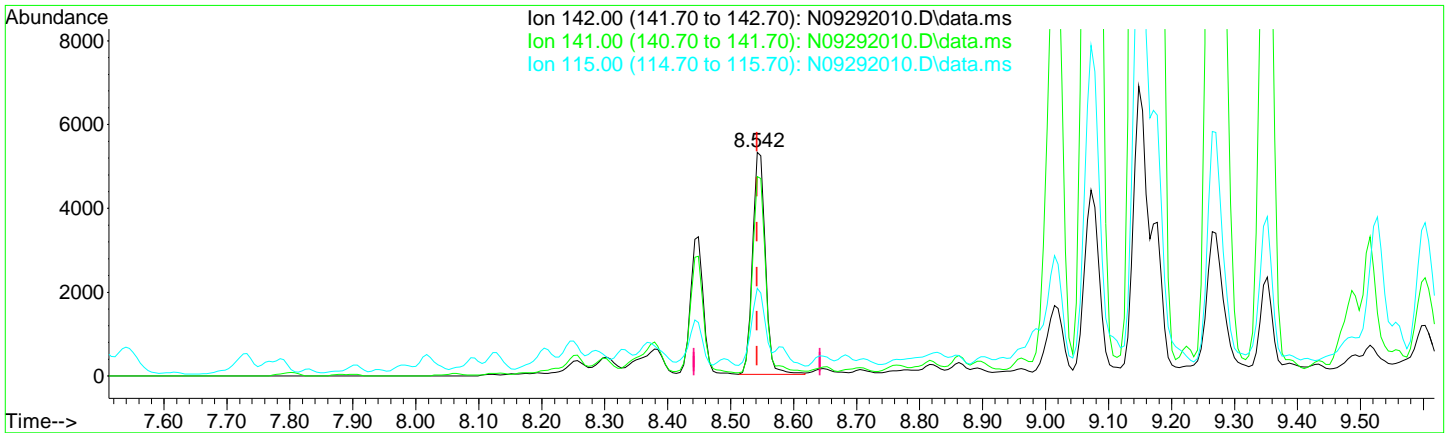
response 25867

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.94
127.00	12.60	12.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



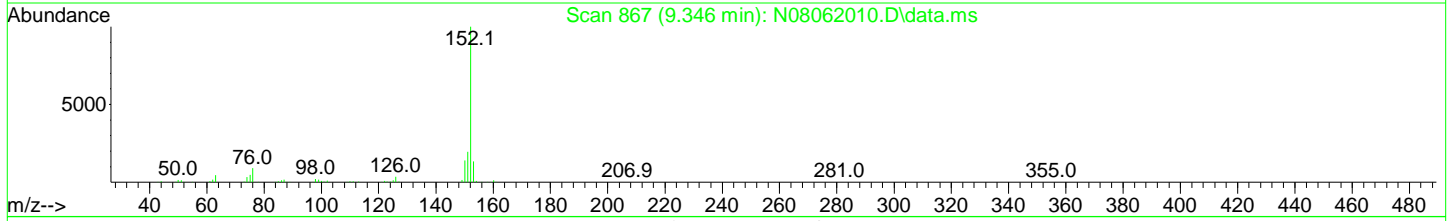
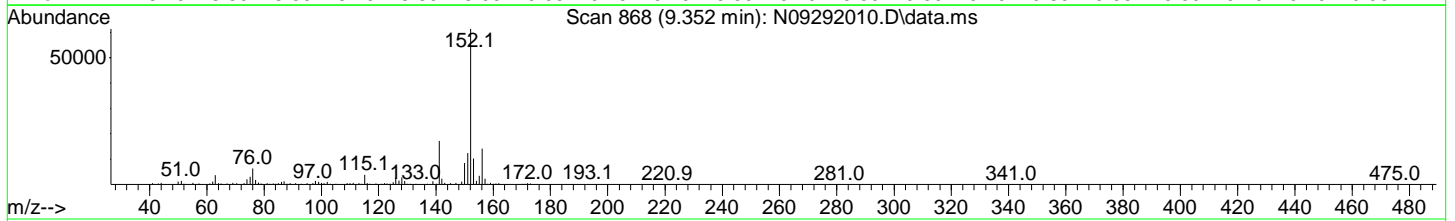
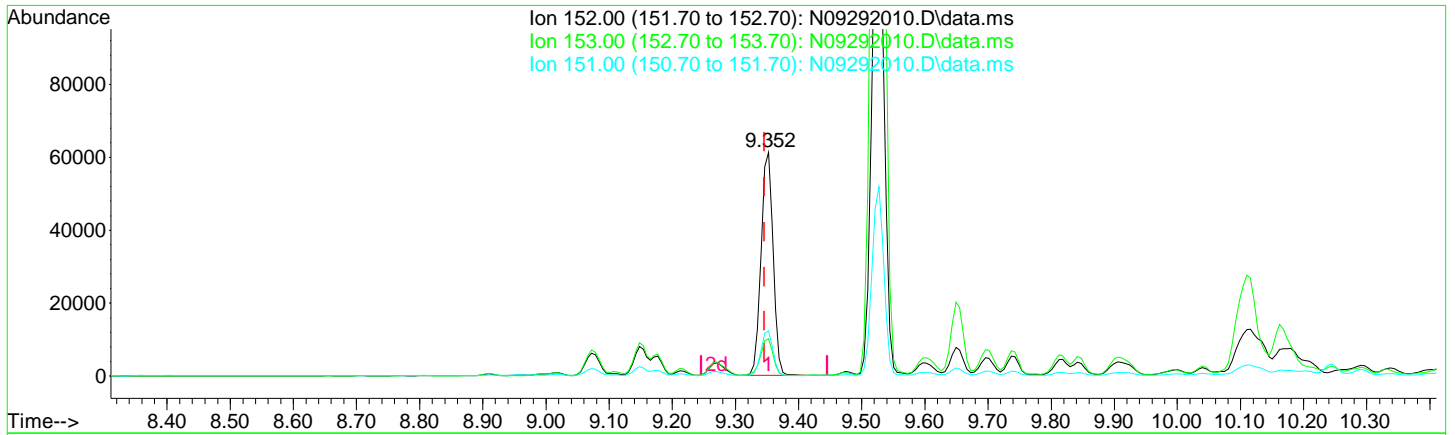
TIC: N09292010.D\data.ms

(6) 1-Methylnaphthalene (T)		
8.542min (+ 0.000)	3.99 ng/ml	
response	7476	
Ion	Exp%	Act%
142.00	100.00	100.00
141.00	90.70	89.19
115.00	37.80	39.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(11) Acenaphthylene (T)

9.352min (+ 0.006) 30.17 ng/ml

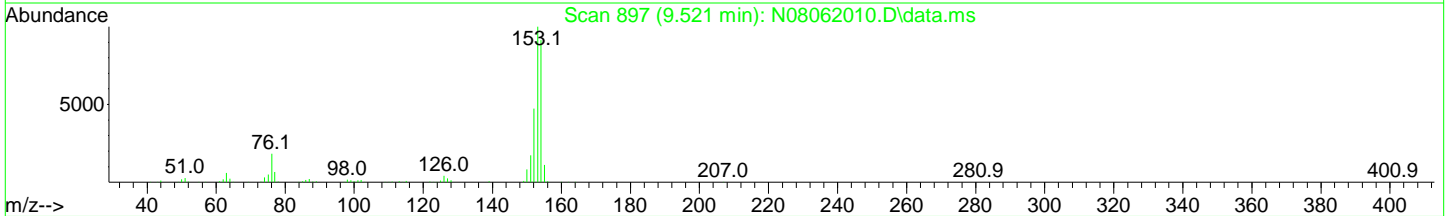
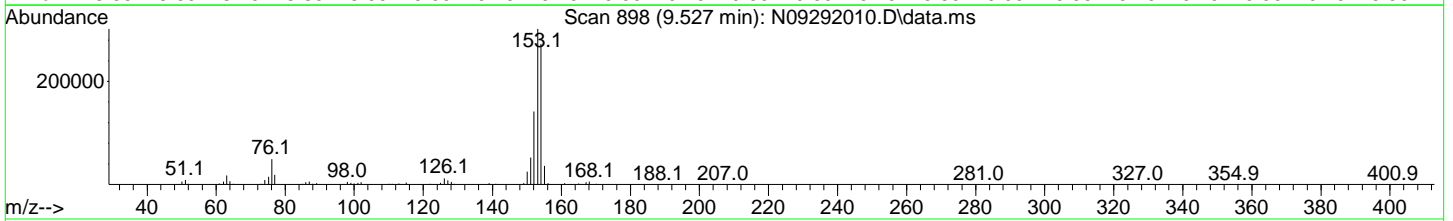
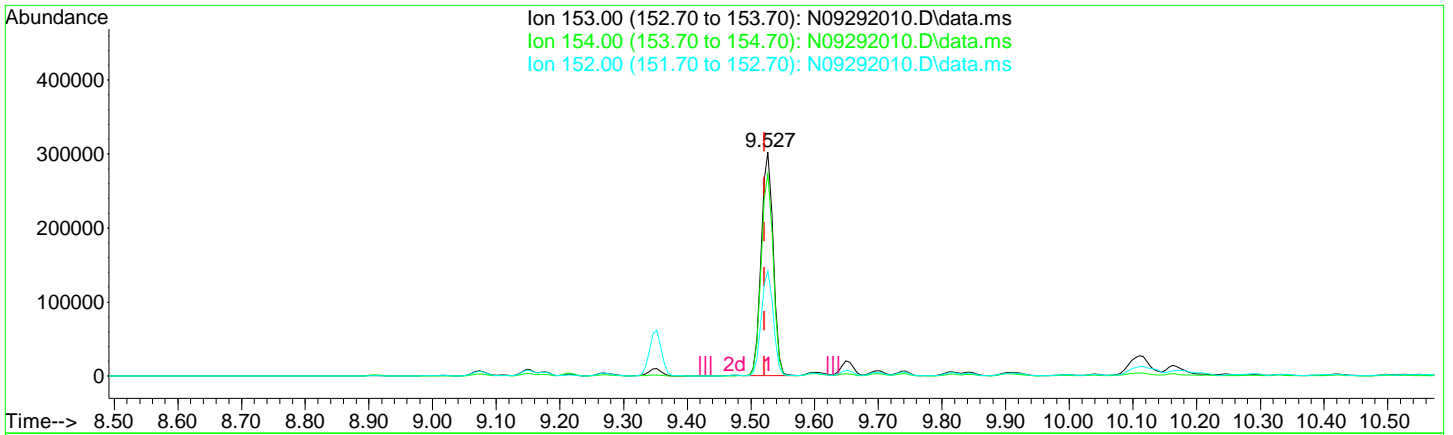
response 82107

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	16.64
151.00	19.30	20.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

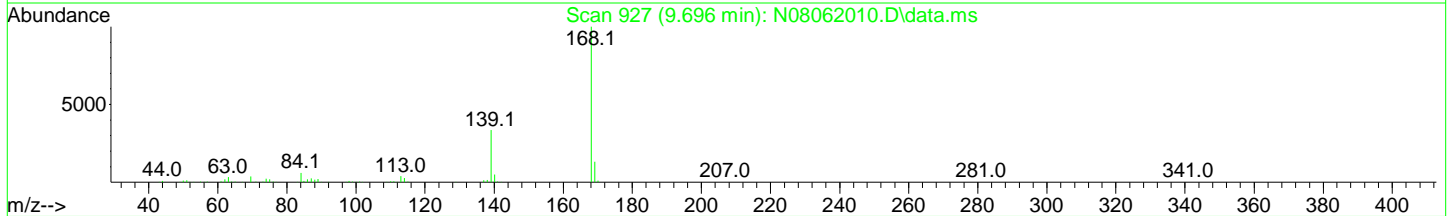
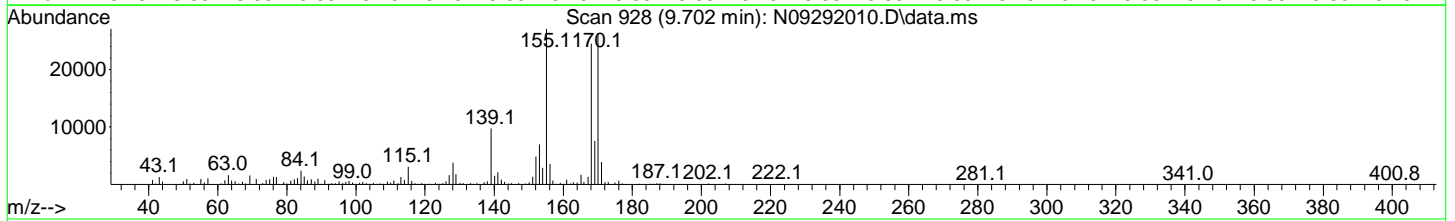
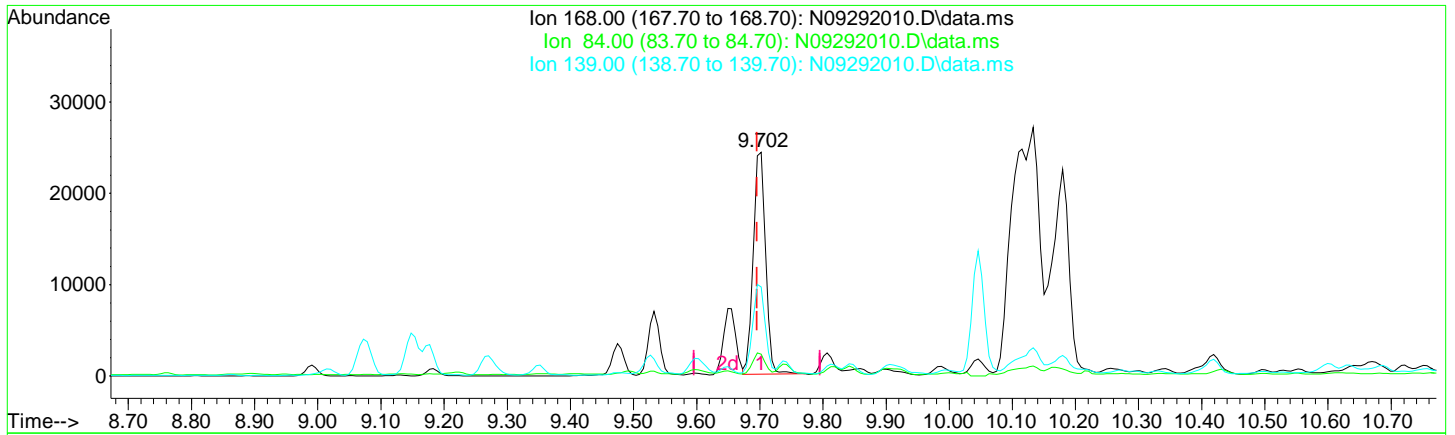
(12) Acenaphthene (T)
 9.527min (+ 0.006) 197.28 ng/ml
 response 392383

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.35
152.00	46.80	46.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(13) Dibenzofuran (T)

9.702min (+ 0.006) 13.22 ng/ml

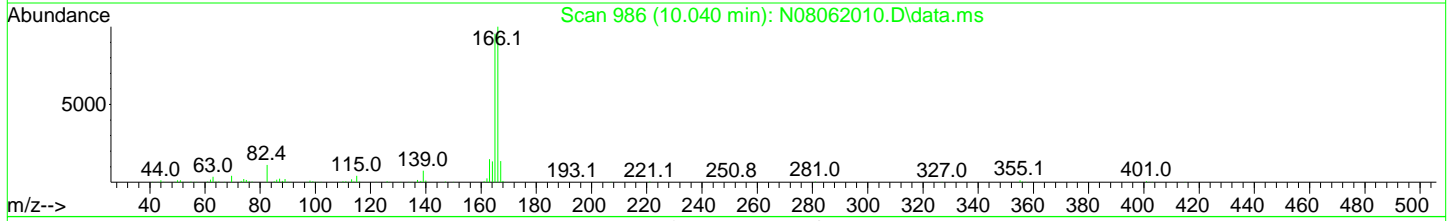
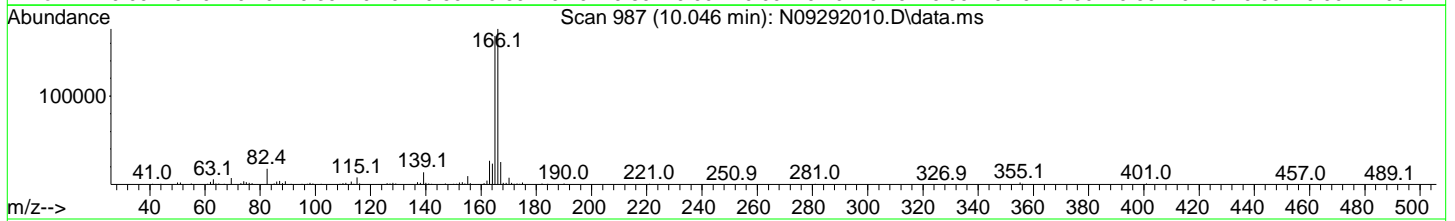
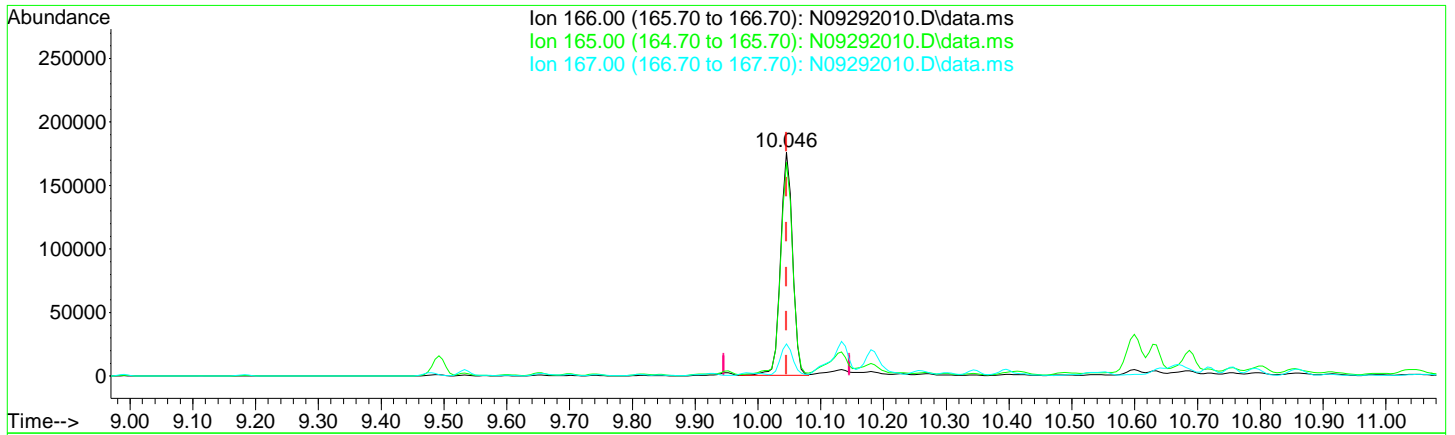
response 33059

Ion	Exp%	Act%
168.00	100.00	100.00
84.00	7.70	9.81
139.00	38.40	39.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(15) Fluorene (T)

10.046min (+ 0.000) 114.51 ng/ml

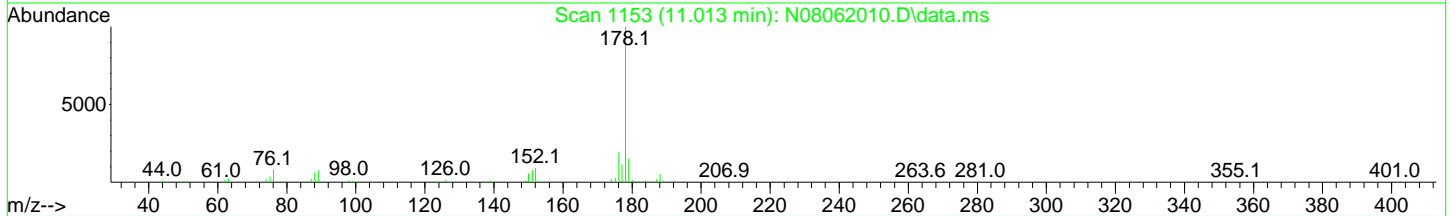
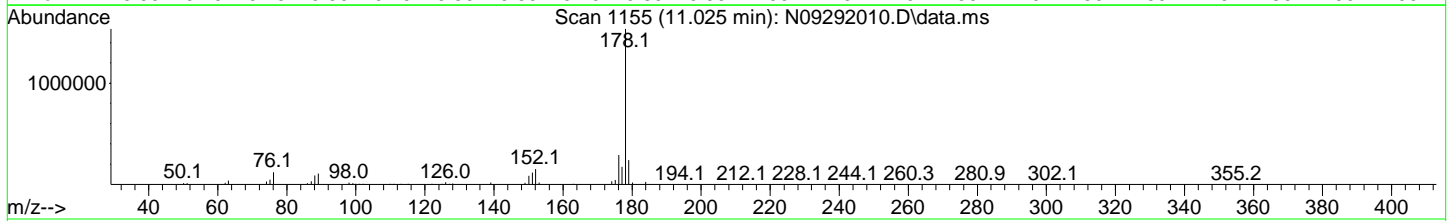
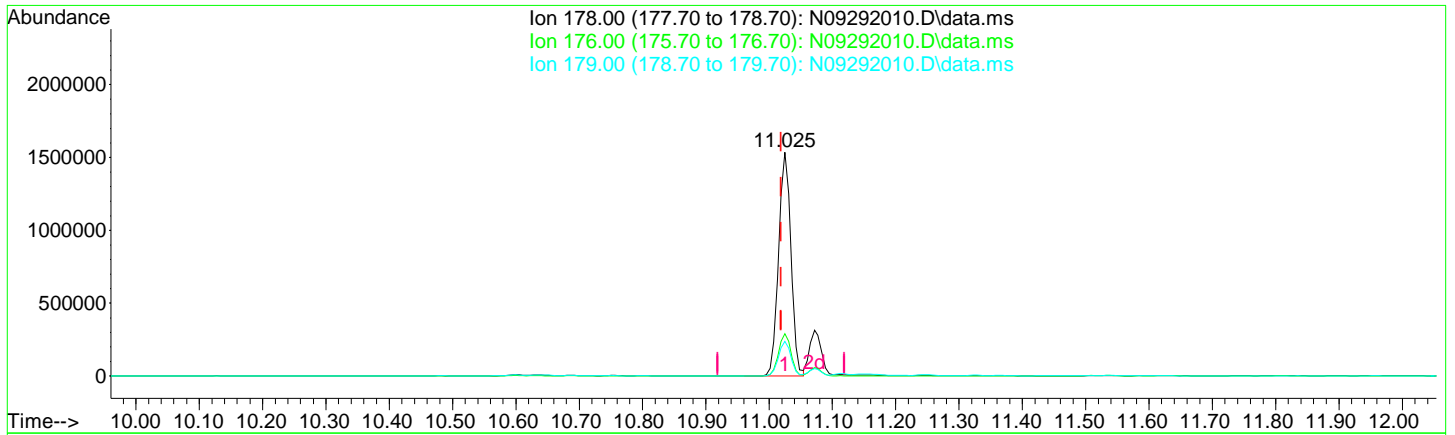
response 231870

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.42
167.00	13.60	14.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(20) Phenanthrene (T)

11.025min (+ 0.006) 605.29 ng/ml

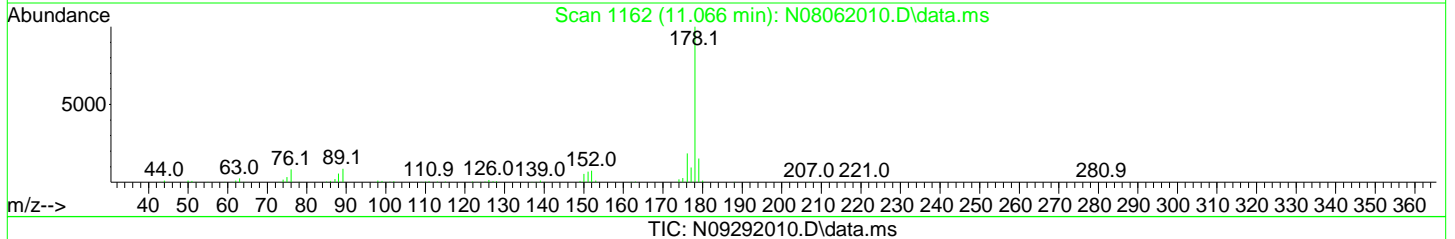
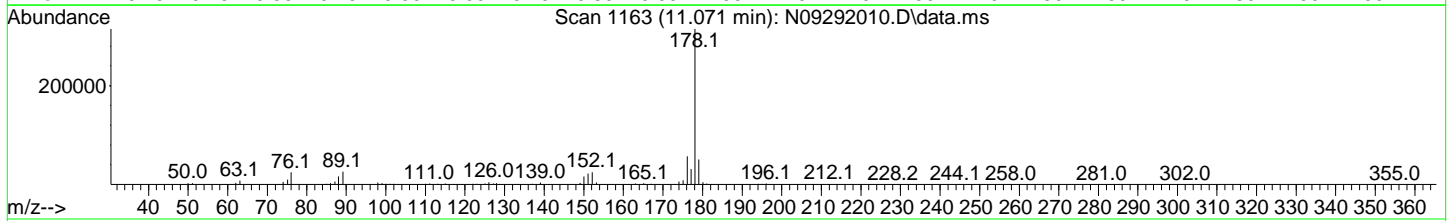
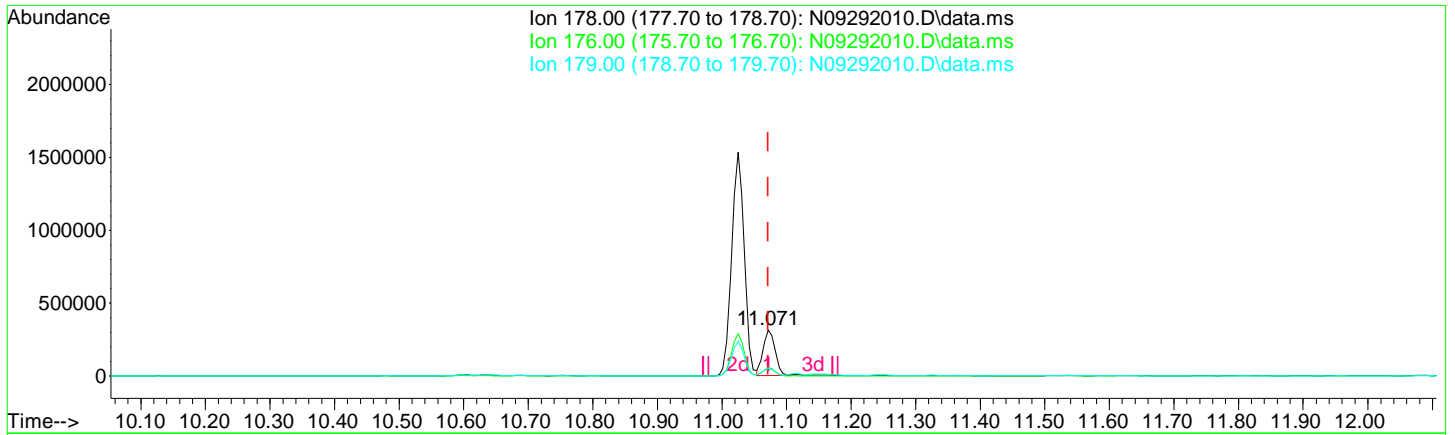
response 2069276

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.00
179.00	15.10	15.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(21) Anthracene (T)

11.071min (+ 0.000) 141.86 ng/ml

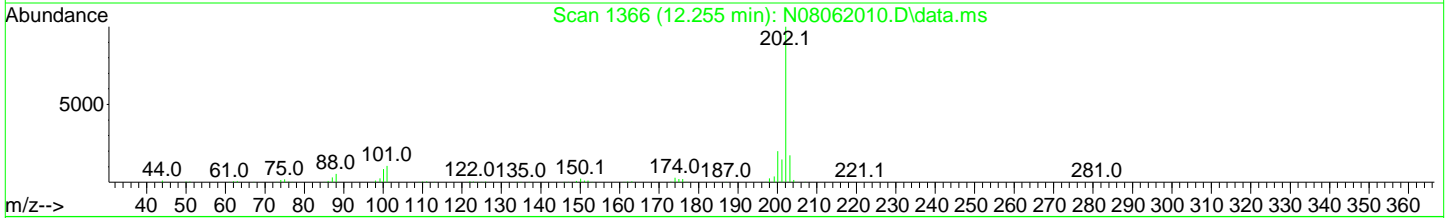
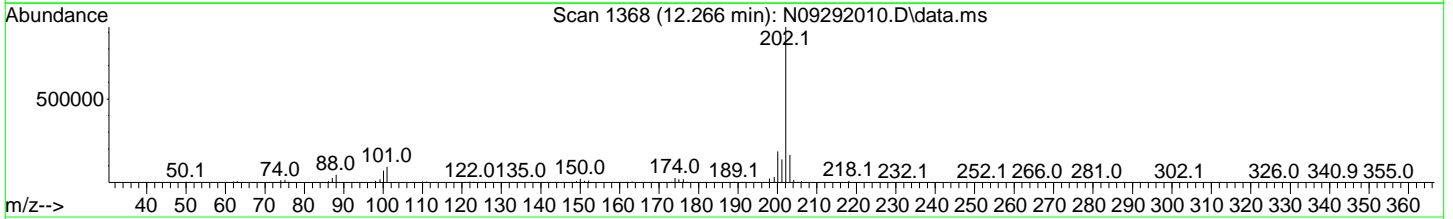
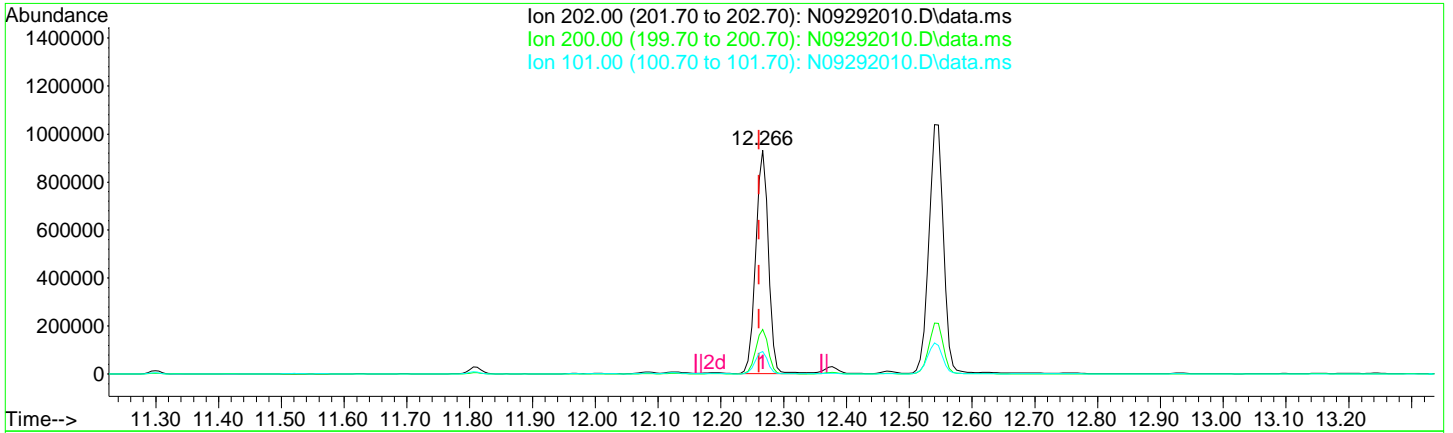
response 397218

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.21
179.00	15.30	16.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(24) Fluoranthene (T)

12.266min (+ 0.006) 369.40 ng/ml

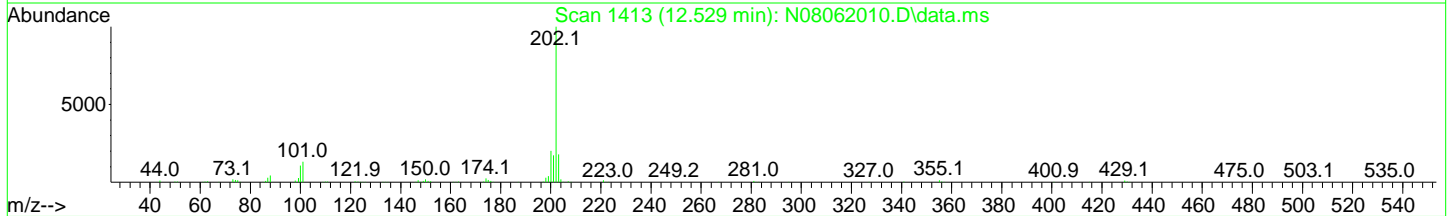
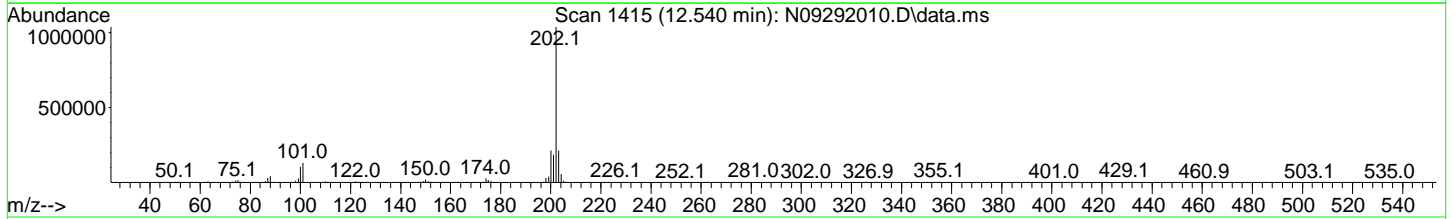
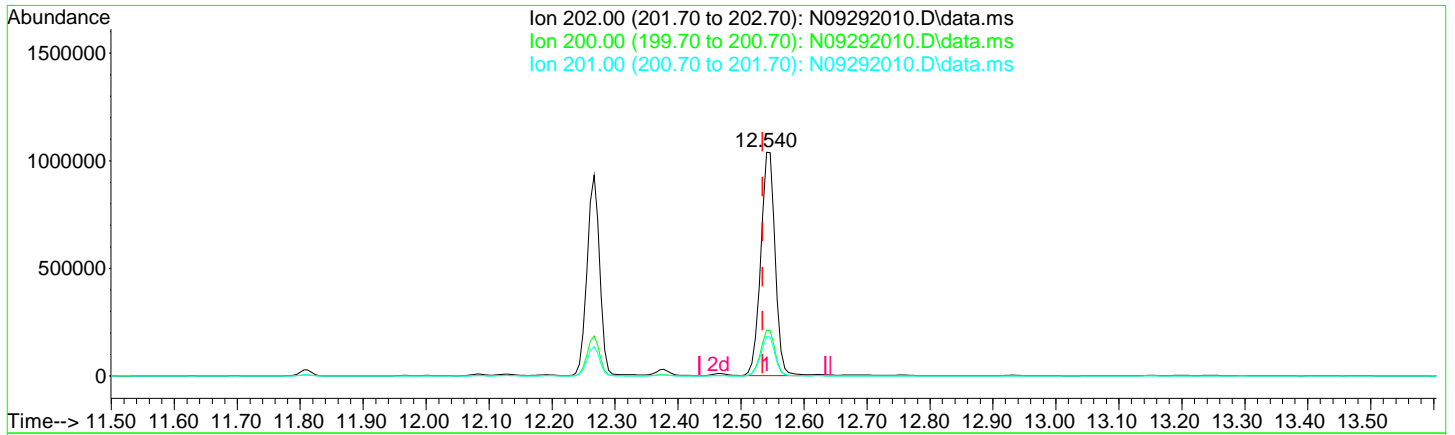
response 1310004

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.92
101.00	15.30	10.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(26) Pyrene (T)

12.540min (+ 0.006) 394.71 ng/ml

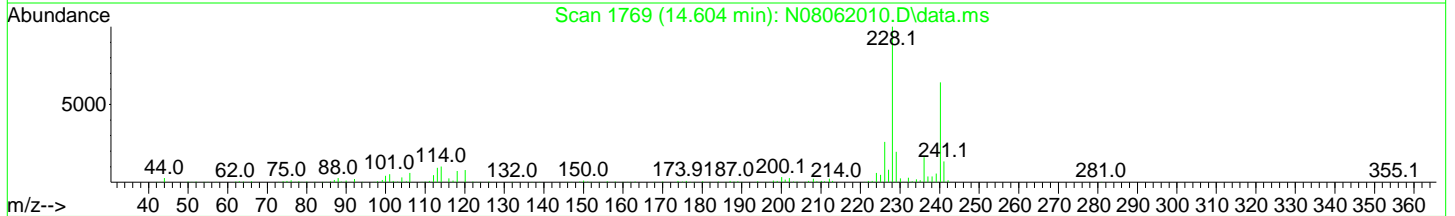
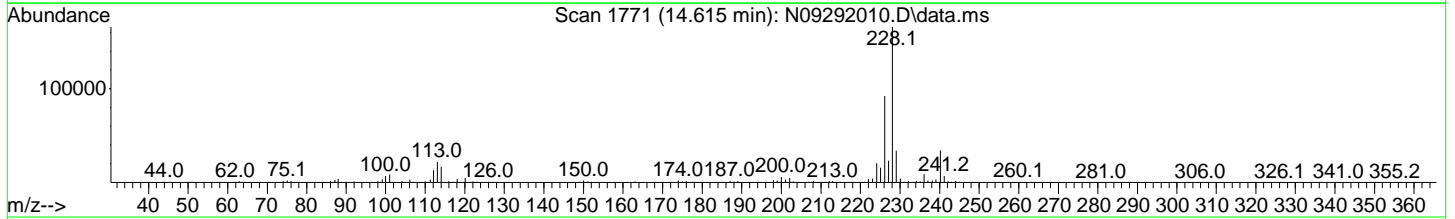
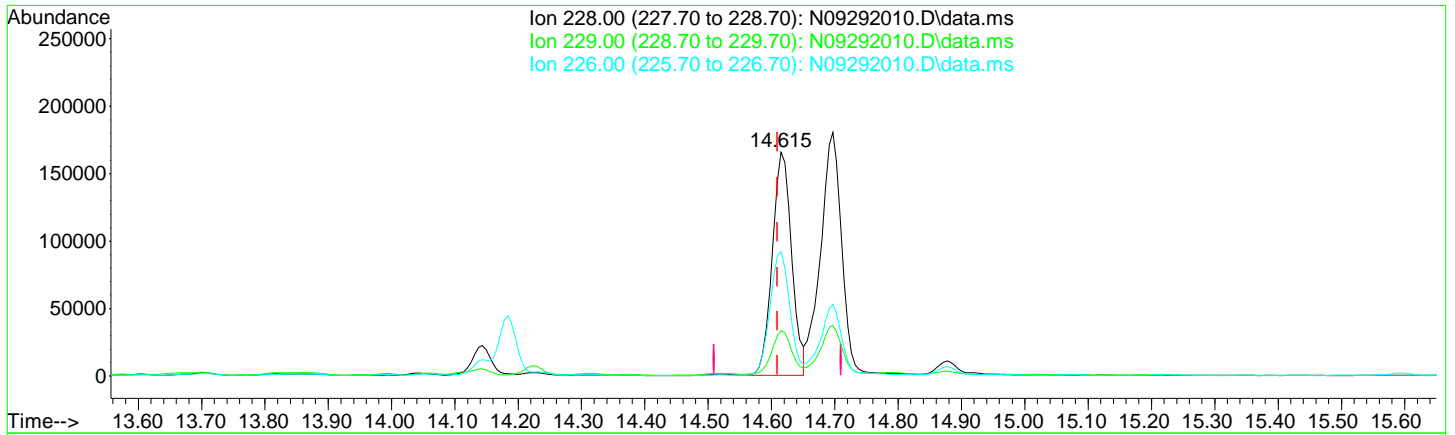
response 1663659

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.48
201.00	16.80	17.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(28) Benz(a)anthracene (T)

14.615min (+ 0.006) 111.07 ng/ml

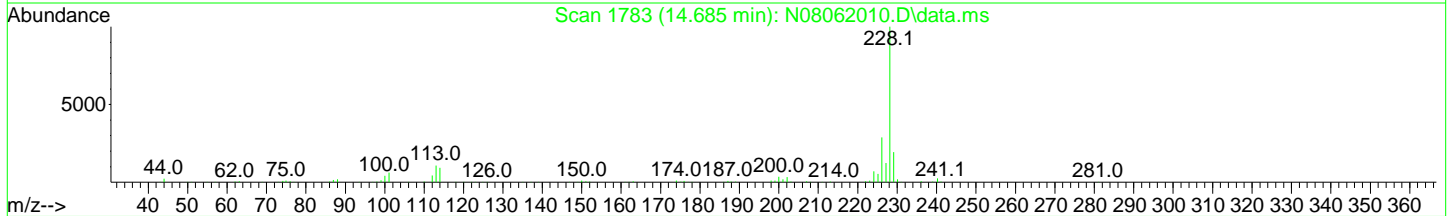
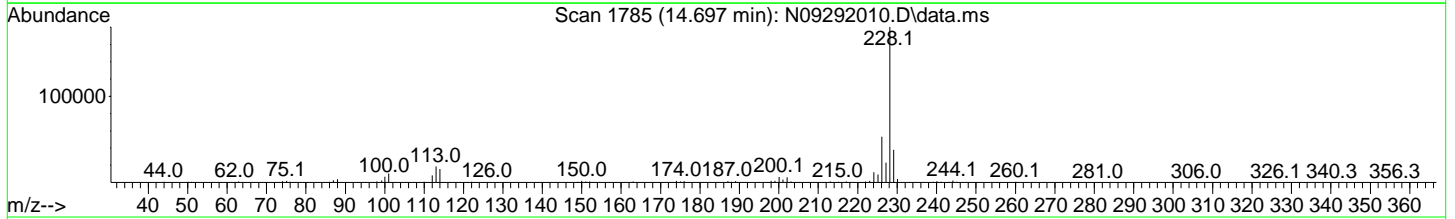
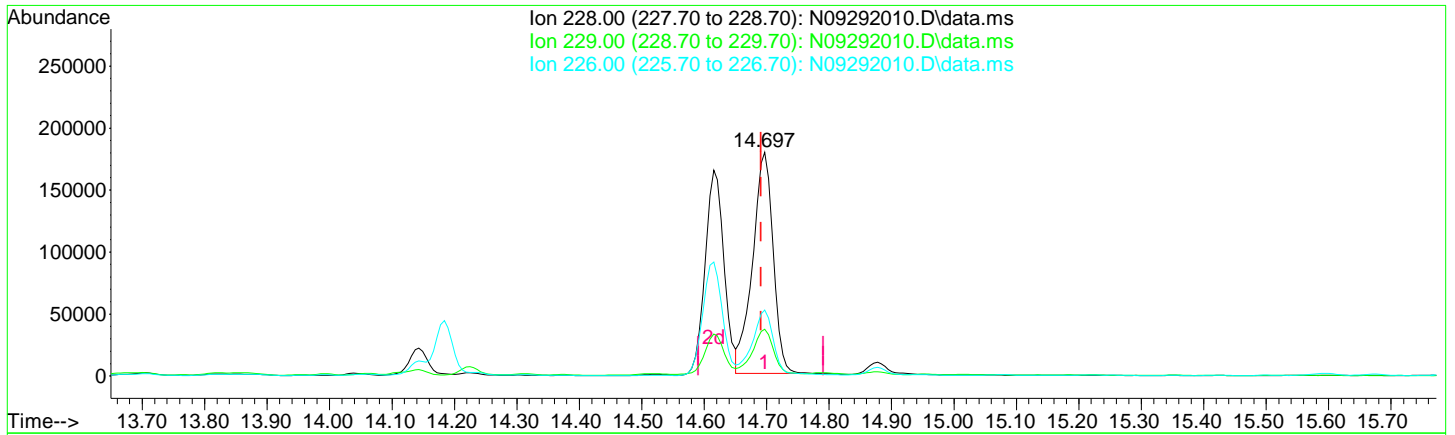
response 349523

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.37
226.00	26.20	55.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(29) Chrysene (T)

14.697min (+ 0.006) 125.05 ng/ml

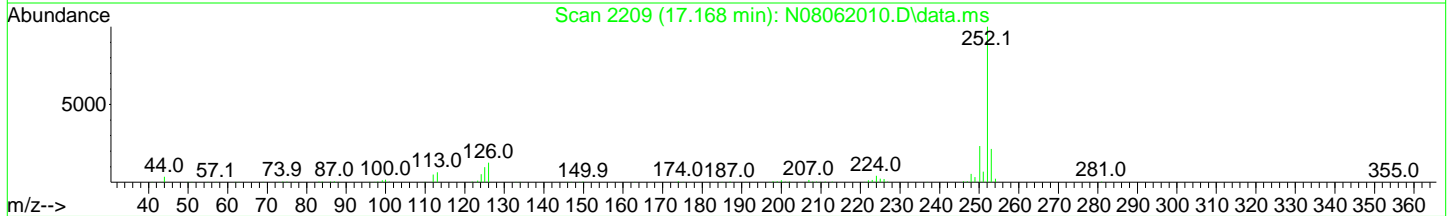
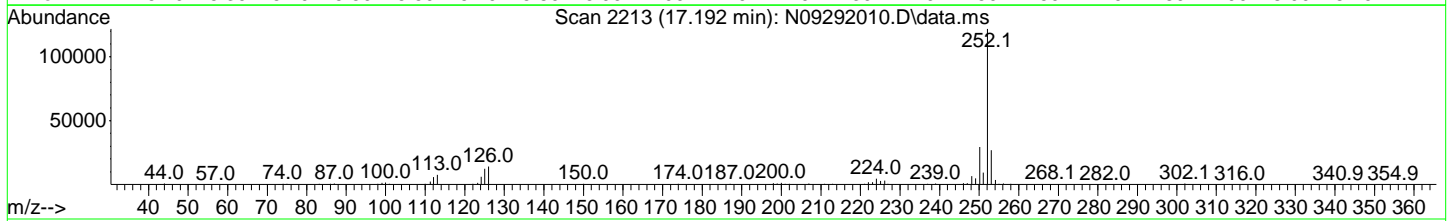
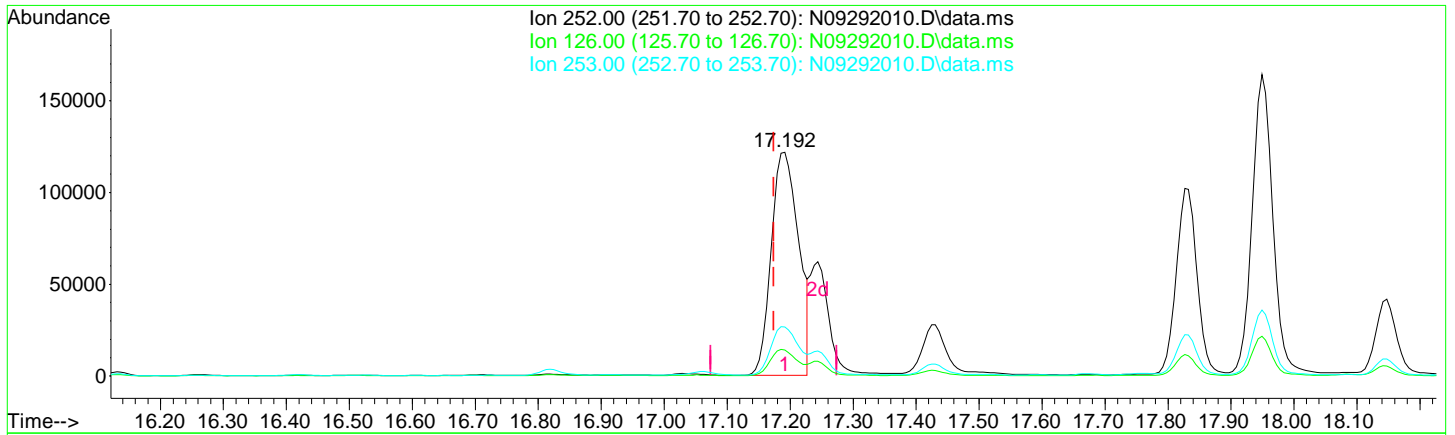
response 406619

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.88
226.00	28.60	29.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(31) Benzo(b)fluoranthene (T)

17.192min (+ 0.018) 118.29 ng/ml

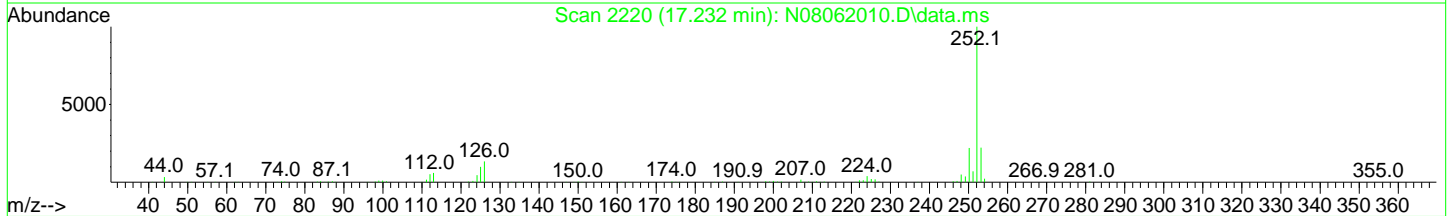
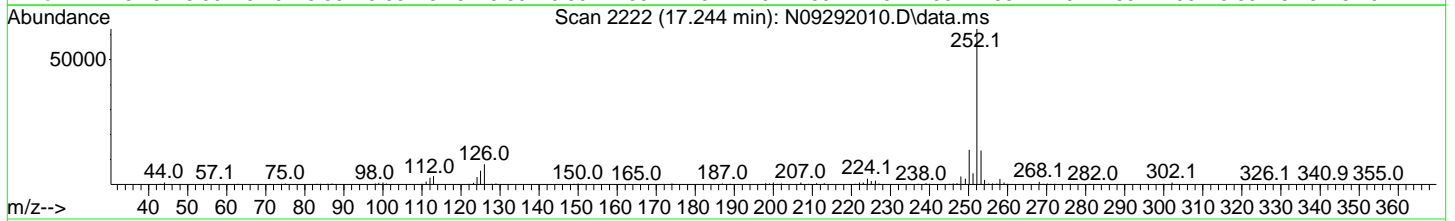
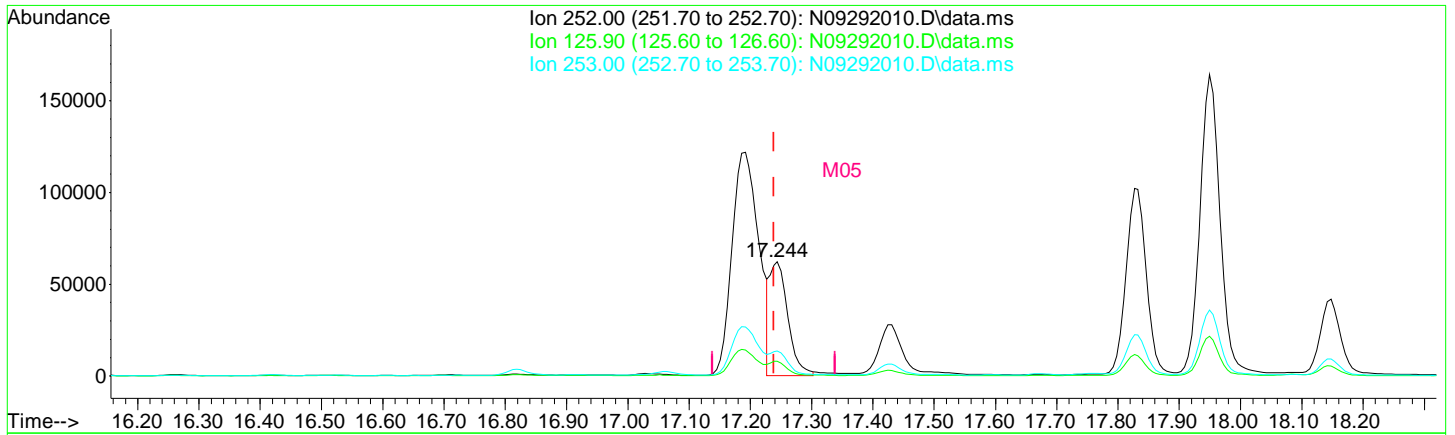
response 367895

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.55
253.00	21.10	21.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(32) Benzo(k)fluoranthene (T)

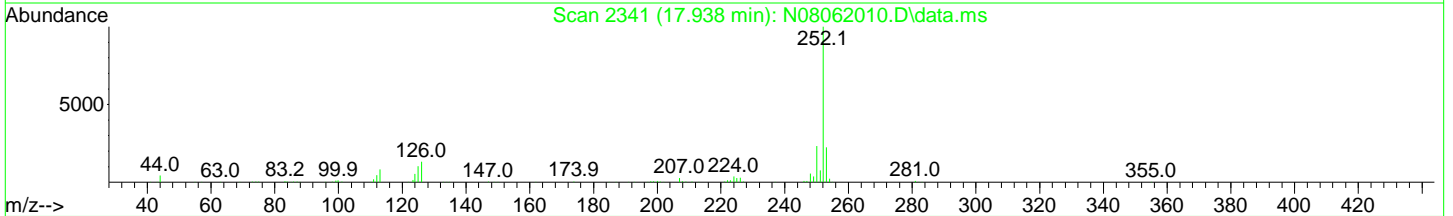
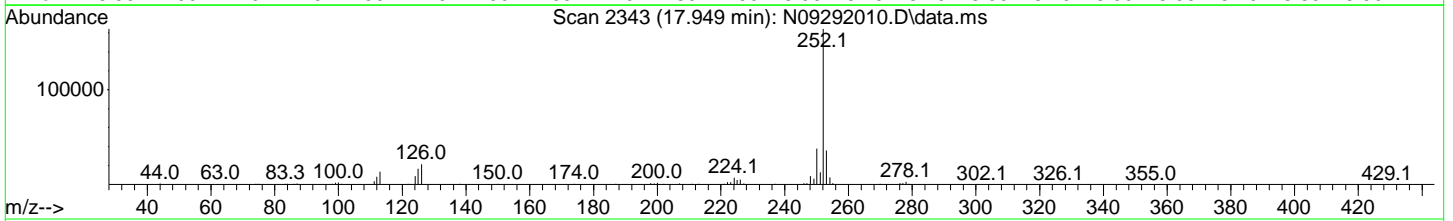
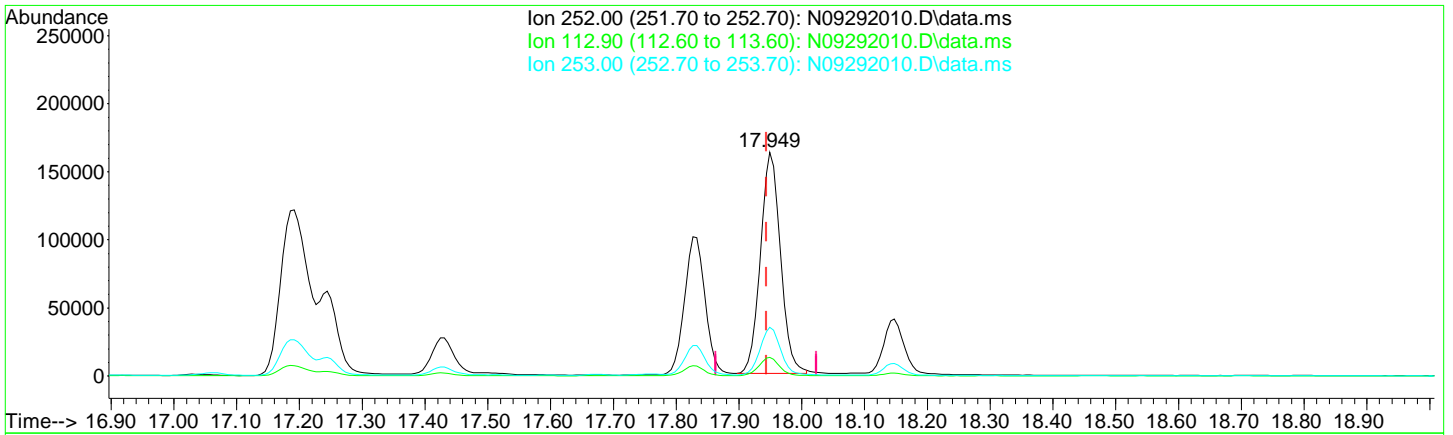
17.244min (+ 0.006) 43.22 ng/ml m

response	126813	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	12.87
253.00	21.50	21.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(35) Benzo(a)pyrene (T)

17.949min (+ 0.006) 161.16 ng/ml

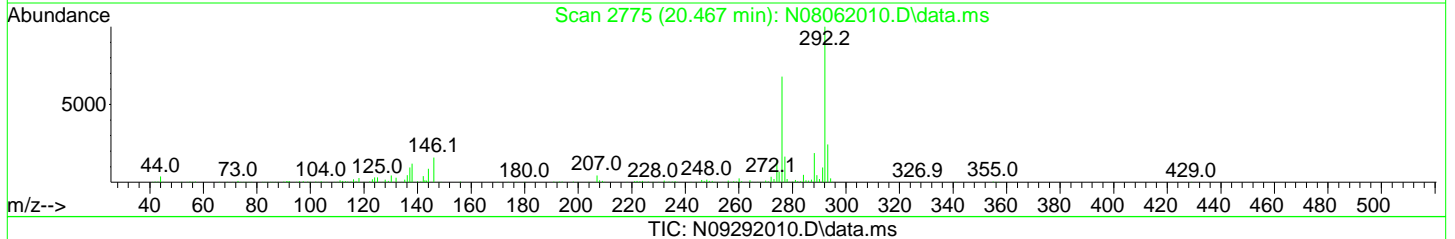
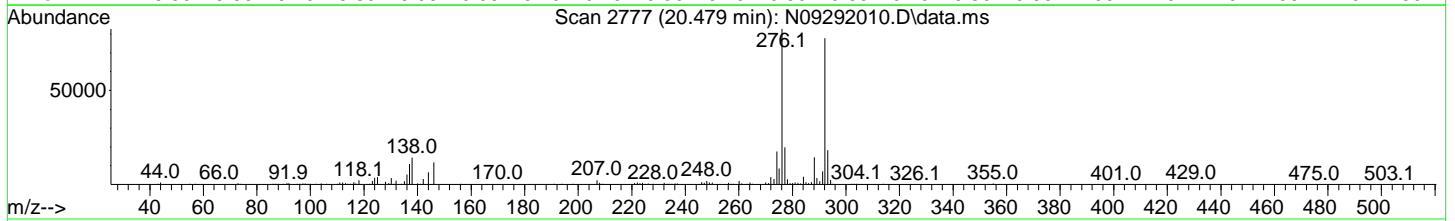
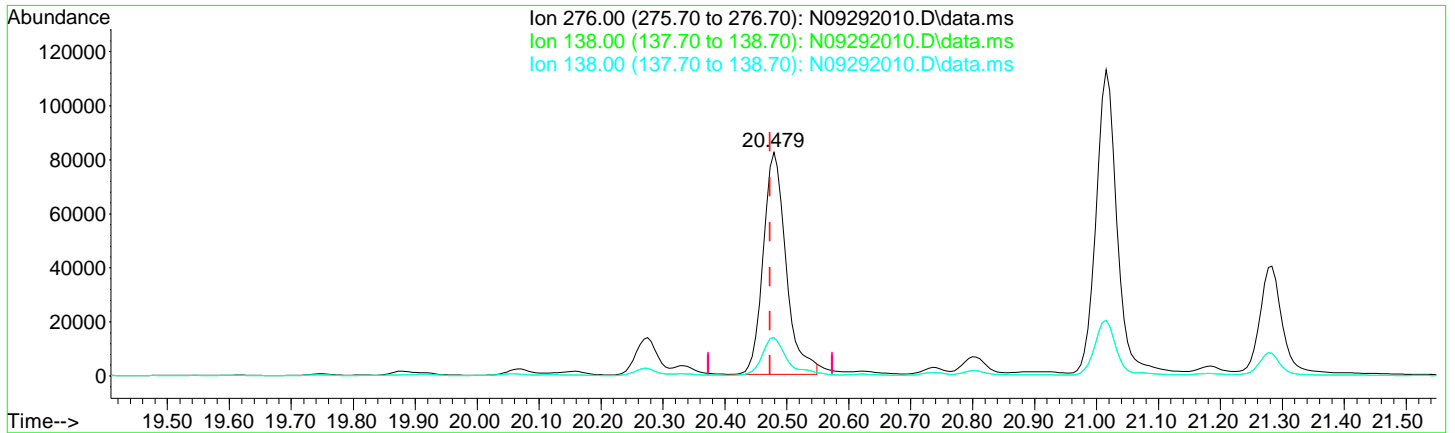
response 363402

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	8.28
253.00	21.90	21.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

20.479min (+ 0.006) 84.75 ng/ml

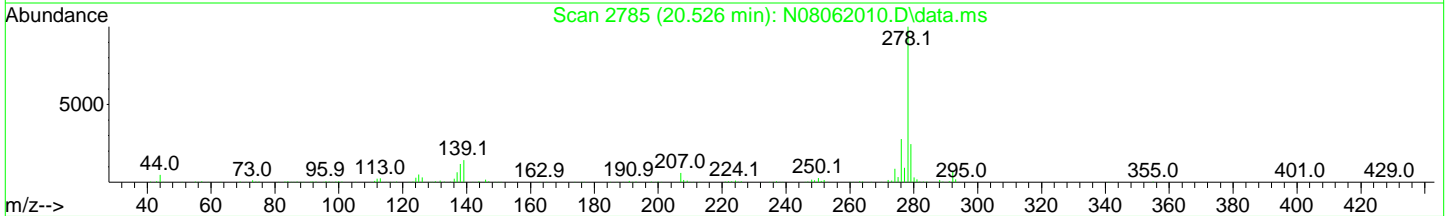
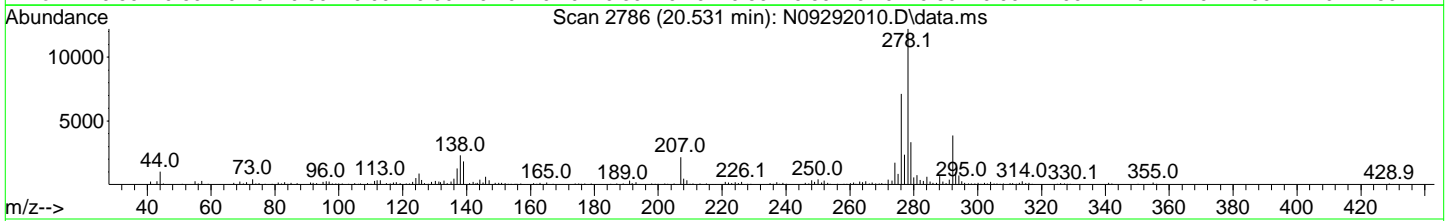
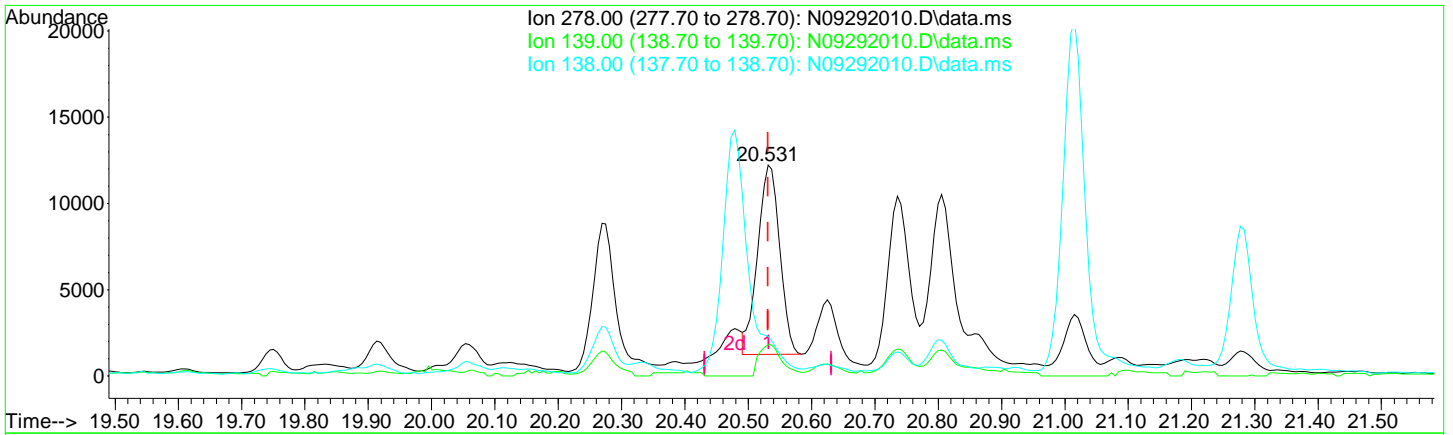
response 210115

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	17.23
138.00	31.60	17.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(39) Dibenz(a,h)anthracene (T)

20.531min (+ 0.000) 10.80 ng/ml

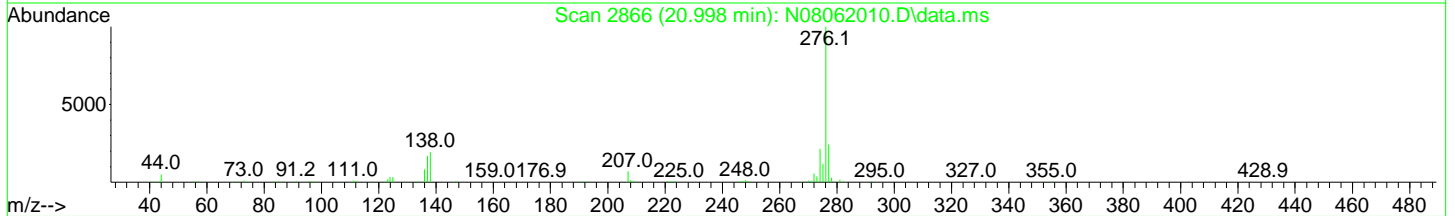
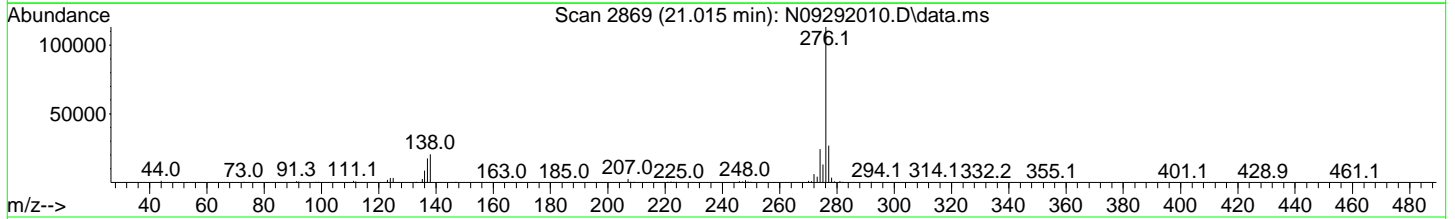
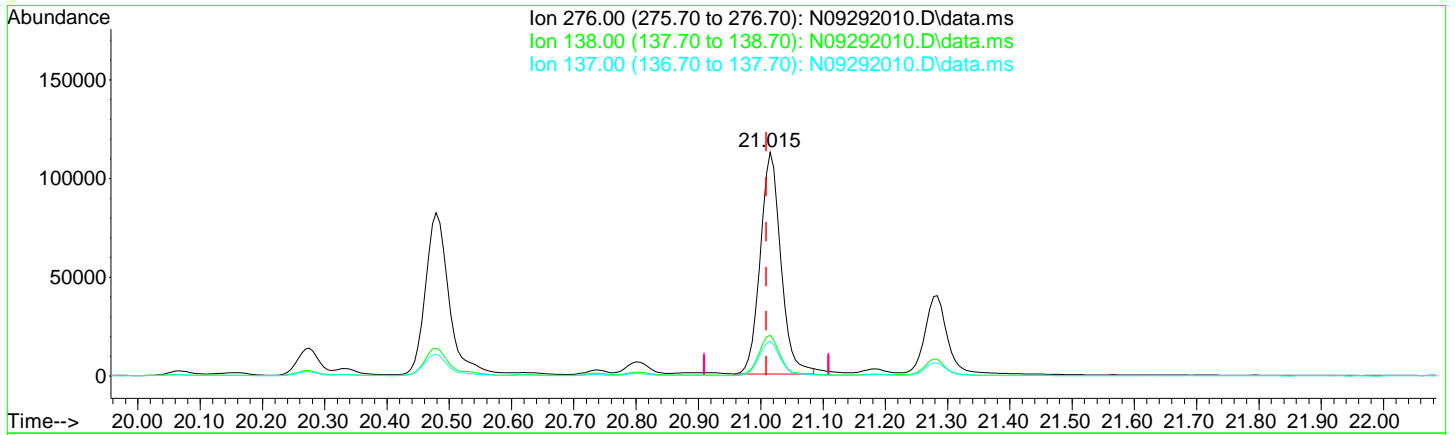
response 26339

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	14.89
138.00	19.90	18.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292010.D
 Acq On : 29 Sep 2020 01:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP1@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 29 13:28:34 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292010.D\data.ms

(40) Benzo(g,h,i)perylene (T)

21.015min (+ 0.006) 102.63 ng/ml

response	258705
Ion	Exp% Act%
276.00	100.00 100.00
138.00	34.40 18.23
137.00	28.60 15.40
0.00	0.00 0.00

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

M05

Quant Time: Sep 29 14:02:02 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	245897	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	164919	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	351412	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.639	240	386318	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.089	264	381338	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthracene-d...	20.467	292	300642	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	143	0.21	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.810	172	251	0.11	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.727	244	733	0.20	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.761	128	25171	9.93	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	3338	1.82	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	1421	0.77	ng/ml	94
7) 1,1'-Biphenyl	8.909	154	2163	0.93	ng/ml	91
8) 2,6-Dimethylnaphthalene	9.072	156	3163	1.85	ng/ml	97
11) Acenaphthylene	9.352	152	45954	16.62	ng/ml	98
12) Acenaphthene	9.521	153	91653	45.38	ng/ml	98
13) Dibenzofuran	9.702	168	1994	0.79	ng/ml	71
14) 1,6,7-Trimethylnaphtha...	9.906	170	11570	6.32	ng/ml	90
15) Fluorene	10.046	166	27215m	13.23	ng/ml	
18) Pentachlorophenol (PCP)	10.827	266	84	9.42	ng/ml#	18
19) Dibenzothiopene	10.891	184	77934	22.84	ng/ml	94
20) Phenanthrene	11.019	178	110472	29.05	ng/ml	99
21) Anthracene	11.071	178	114415	36.73	ng/ml	97
22) Carbazole	11.240	167	1867	0.81	ng/ml#	1
23) 1-Methylphenanthrene	11.643	192	89976	32.90	ng/ml	96
24) Fluoranthene	12.266	202	991885	251.41	ng/ml	94
26) Pyrene	12.540	202	1255228	242.66	ng/ml	99
28) Benz(a)anthracene	14.615	228	284319	73.62	ng/ml#	62
29) Chrysene	14.697	228	324367	81.28	ng/ml	98
31) Benzo(b)fluoranthene	17.186	252	294035	76.04	ng/ml	90
32) Benzo(k)fluoranthene	17.244	252	98805m	27.09	ng/ml	M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:02:02 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

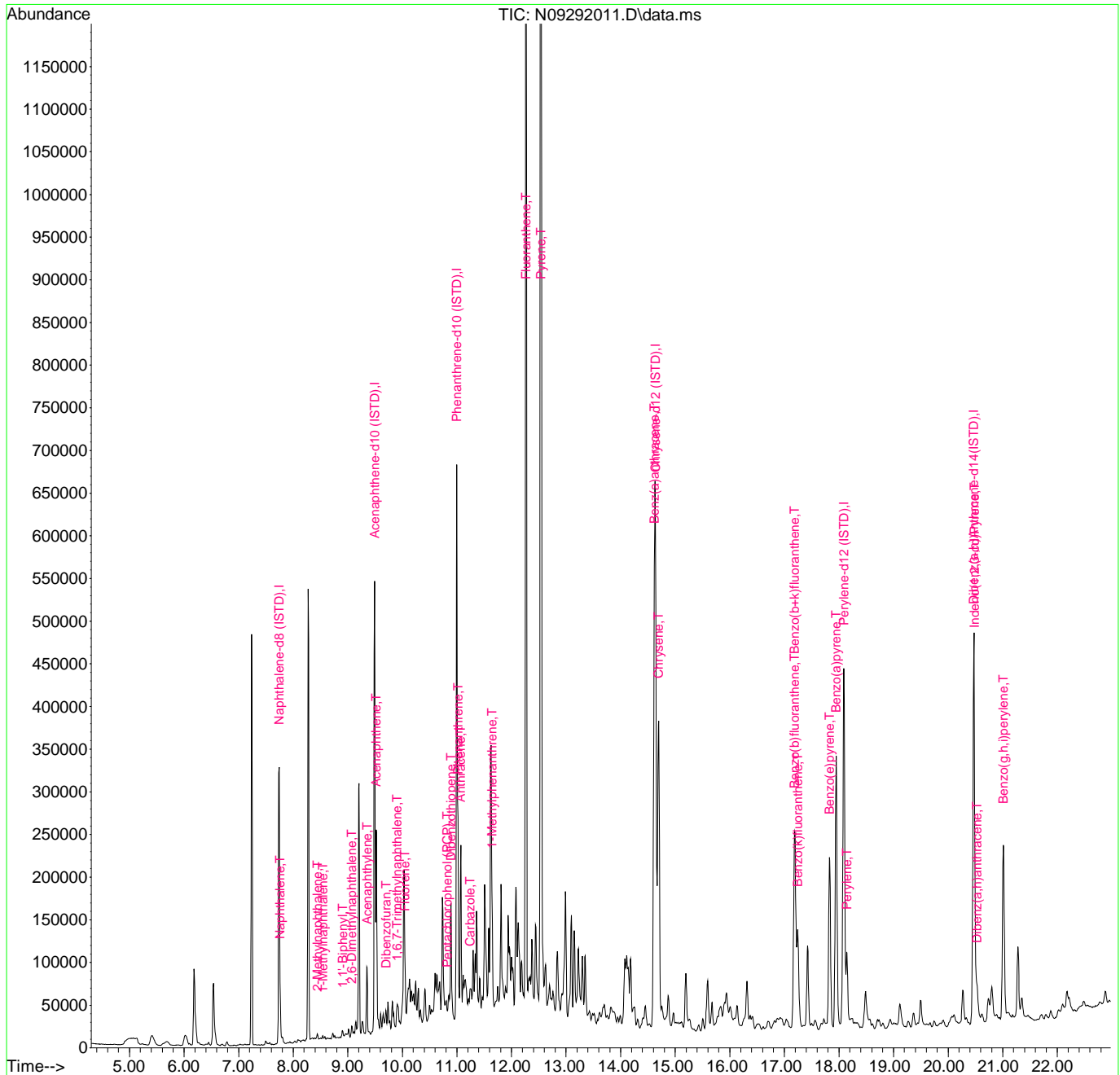
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	408238	103.74	ng/ml	88
34) Benzo(e)pyrene	17.827	252	182374	47.43	ng/ml	97
35) Benzo(a)pyrene	17.949	252	292166	104.22	ng/ml	95
36) Perylene	18.147	252	73890	17.75	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.479	276	175932	54.37	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	22390	7.04	ng/ml	85
40) Benzo(g,h,i)perylene	21.015	276	211984	64.44	ng/ml	74

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:02:02 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.743	136	245897	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	164919	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	351412	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.639	240	386318	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.089	264	381338	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	300642	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	143	0.21	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.810	172	251	0.11	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml		
27) Terphenyl-d14 (Surr)	12.727	244	733	0.20	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.761	128	25171	9.93	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	3338	1.82	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	1421	0.77	ng/ml		94
7) 1,1'-Biphenyl	8.909	154	2163	0.93	ng/ml		91
8) 2,6-Dimethylnaphthalene	9.072	156	3163	1.85	ng/ml		97
11) Acenaphthylene	9.352	152	45954	16.62	ng/ml		98
12) Acenaphthene	9.521	153	91653	45.38	ng/ml		98
13) Dibenzofuran	9.702	168	1994	0.79	ng/ml		71
14) 1,6,7-Trimethylnaphtha...	9.906	170	11570	6.32	ng/ml		90
15) Fluorene	10.046	166	29109	14.16	ng/ml		97
18) Pentachlorophenol (PCP)	10.827	266	84	9.42	ng/ml#		18
19) Dibenzothiopene	10.891	184	77934	22.84	ng/ml		94
20) Phenanthrene	11.019	178	110472	29.05	ng/ml		99
21) Anthracene	11.071	178	114415	36.73	ng/ml		97
22) Carbazole	11.240	167	1867	0.81	ng/ml#		1
23) 1-Methylphenanthrene	11.643	192	89976	32.90	ng/ml		96
24) Fluoranthene	12.266	202	991885	251.41	ng/ml		94
26) Pyrene	12.540	202	1255228	242.66	ng/ml		99
28) Benz(a)anthracene	14.615	228	284319	73.62	ng/ml#		62
29) Chrysene	14.697	228	324367	81.28	ng/ml		98
31) Benzo(b)fluoranthene	17.186	252	294035	76.04	ng/ml		90
32) Benzo(k)fluoranthene	17.186	252	369591	101.32	ng/ml		88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

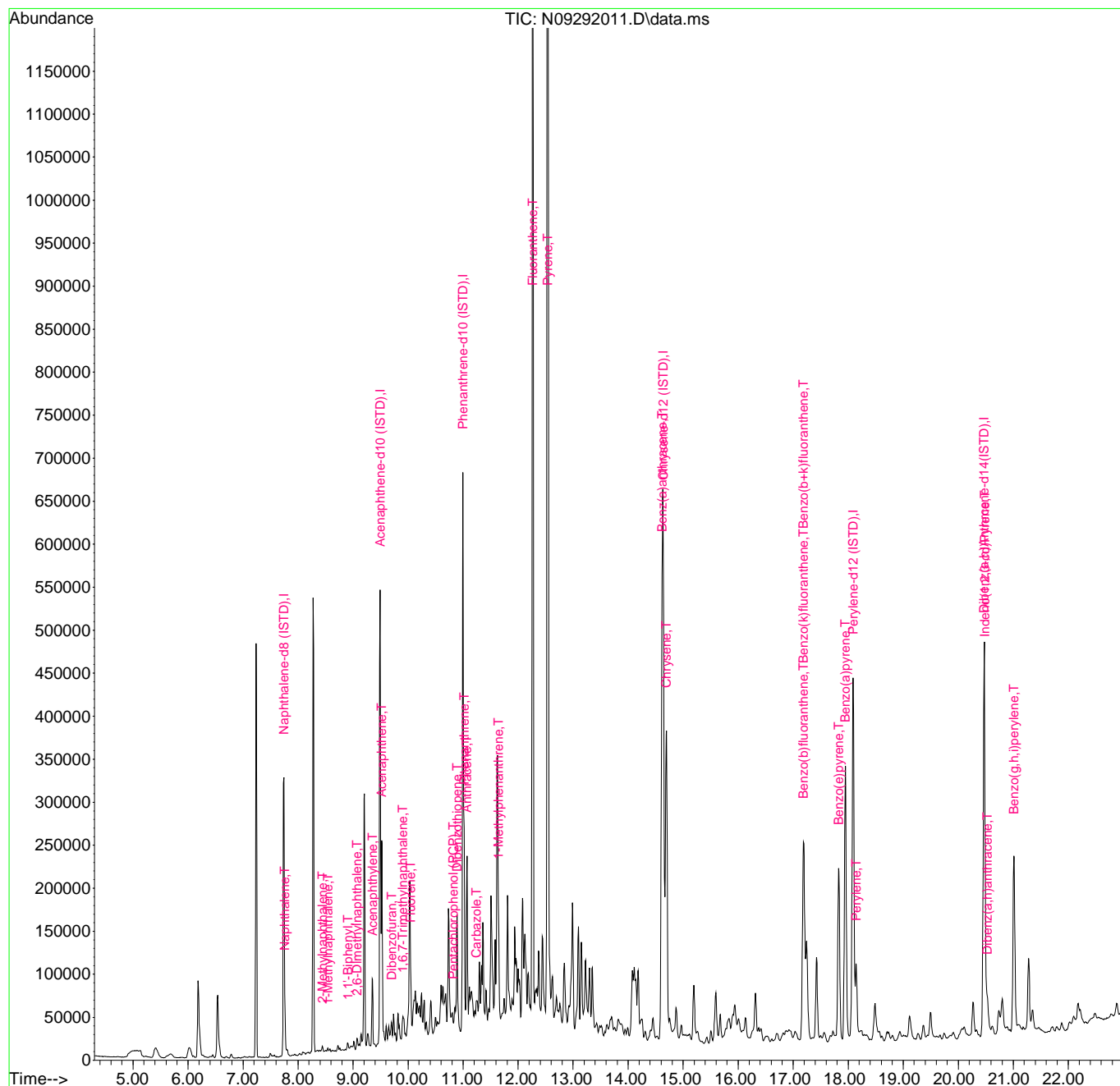
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	408238	103.74	ng/ml	88
34) Benzo(e)pyrene	17.827	252	182374	47.43	ng/ml	97
35) Benzo(a)pyrene	17.949	252	292166	104.22	ng/ml	95
36) Perylene	18.147	252	73890	17.75	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.479	276	175932	54.37	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	22390	7.04	ng/ml	85
40) Benzo(g,h,i)perylene	21.015	276	211984	64.44	ng/ml	74

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
Data File : N09292011.D
Acq On : 29 Sep 2020 01:33 pm
Operator : JK/ AMS/ DTH
Sample : A0I0556-41RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

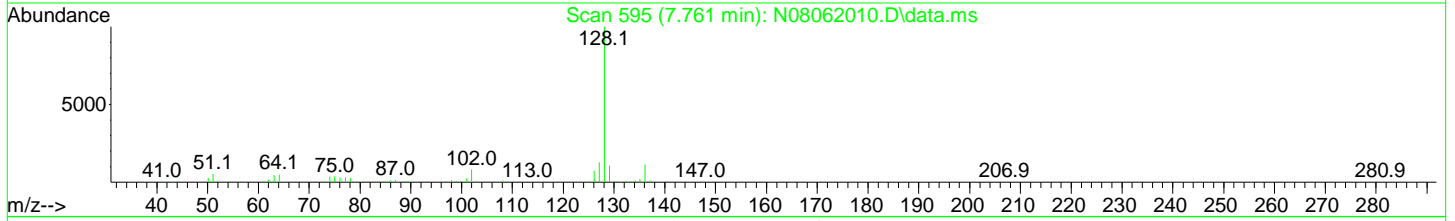
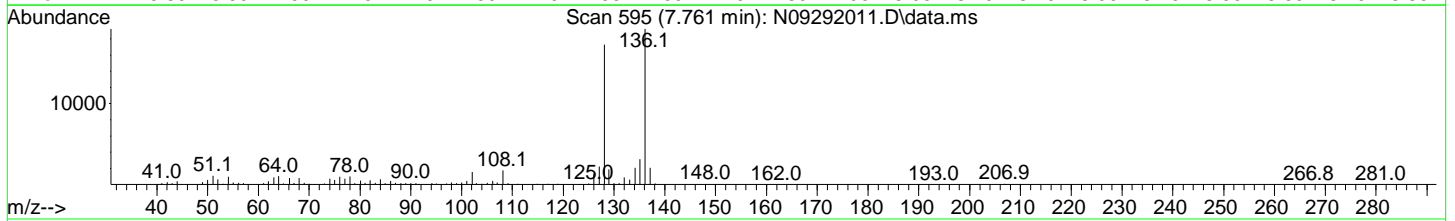
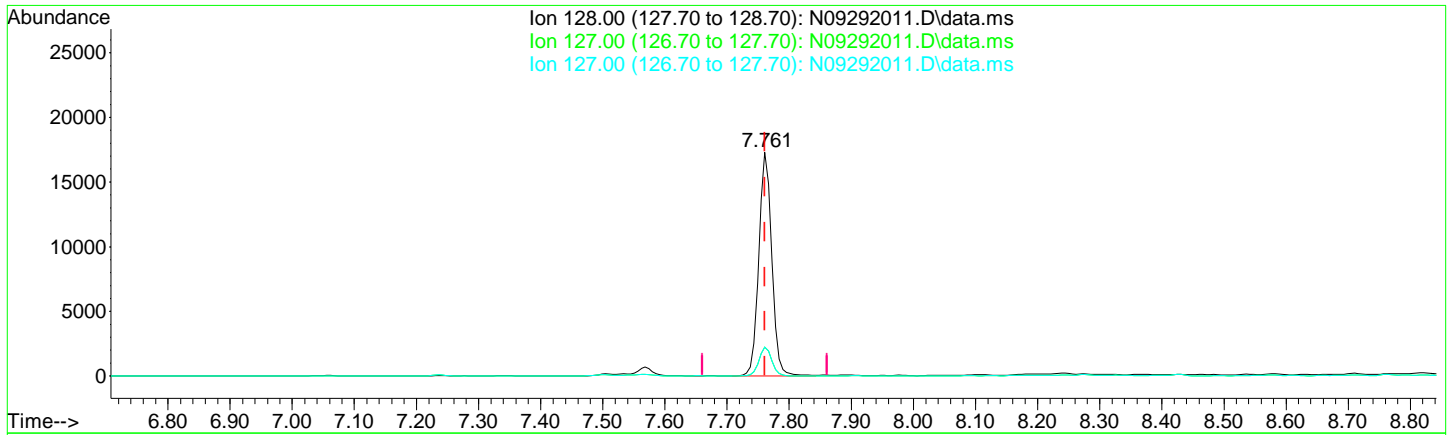
Quant Time: Sep 29 14:00:41 2020
Quant Method : U:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(4) Naphthalene (T)

7.761min (+ 0.000) 9.93 ng/ml

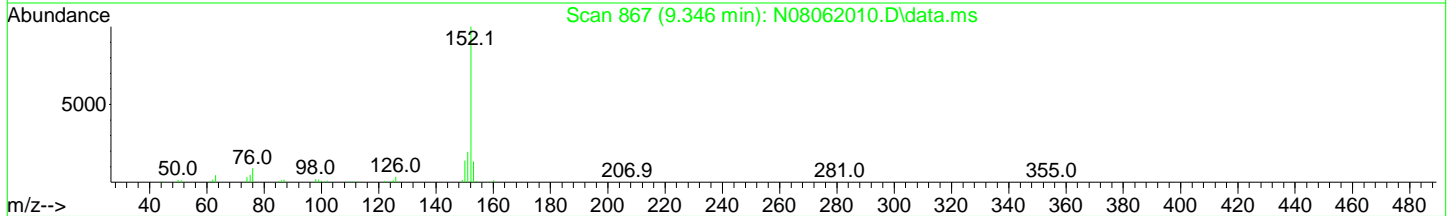
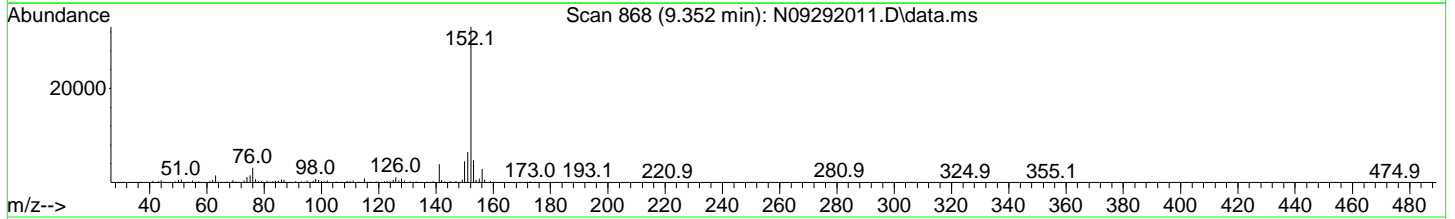
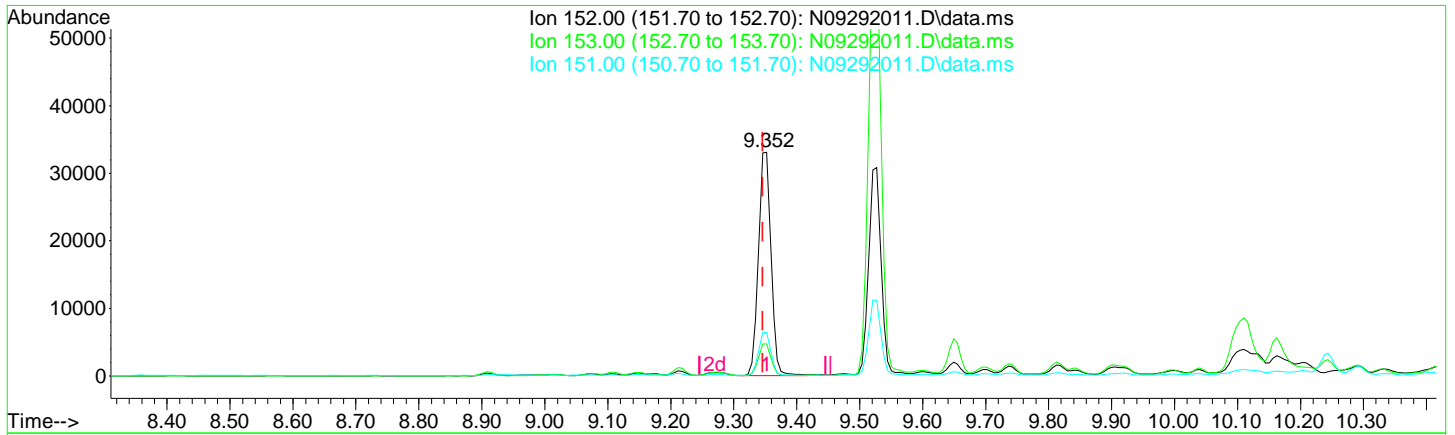
response 25171

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.97
127.00	12.60	12.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(11) Acenaphthylene (T)

9.352min (+ 0.006) 16.62 ng/ml

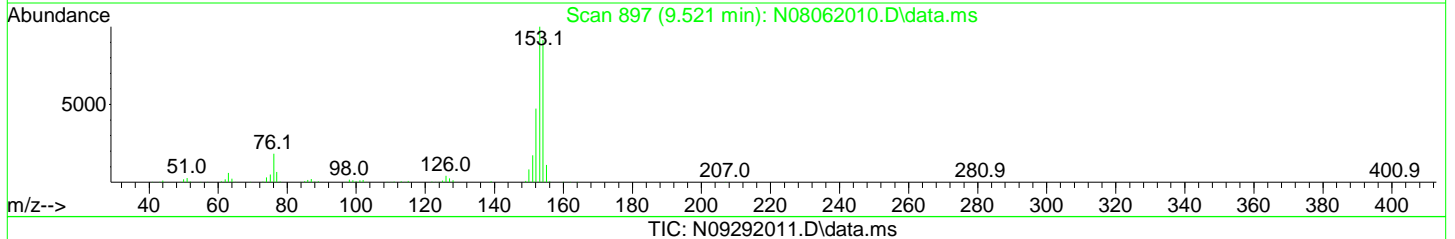
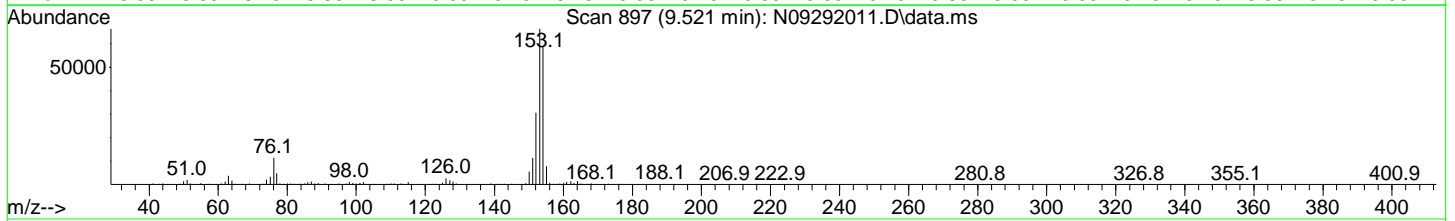
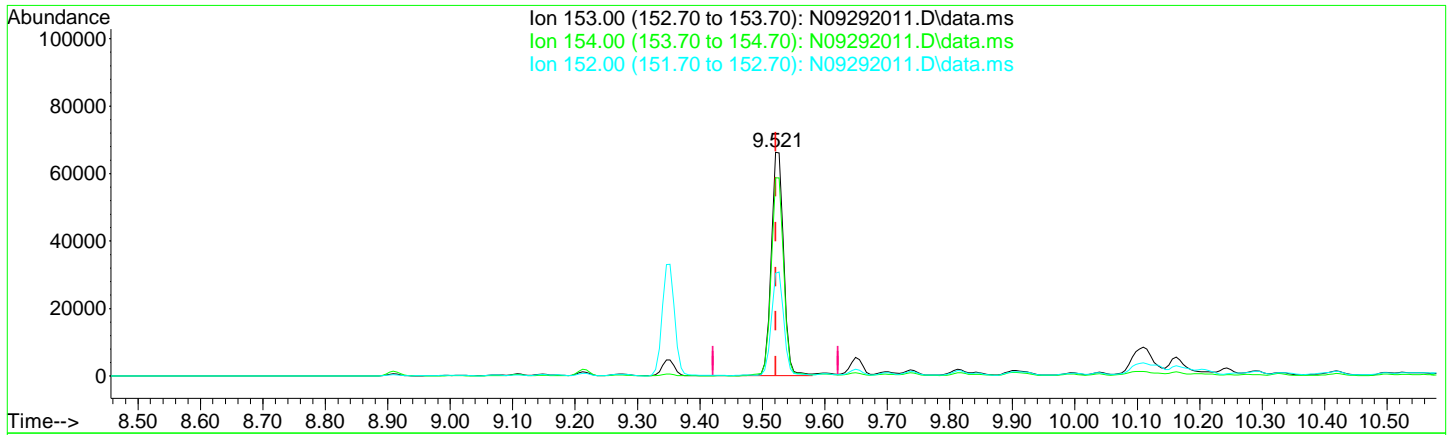
response 45954

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	14.39
151.00	19.30	19.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



(12) Acenaphthene (T)

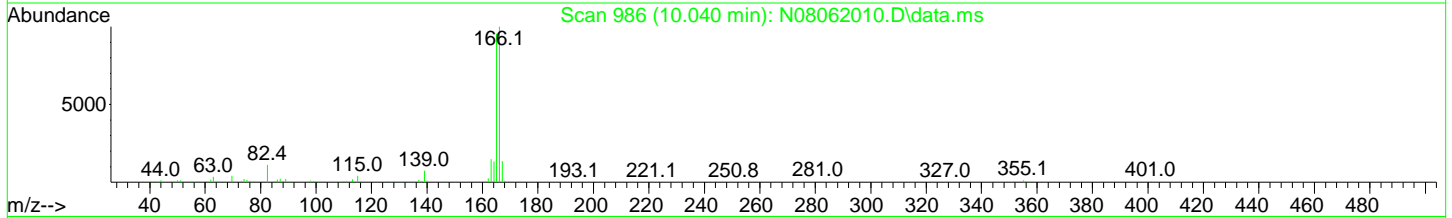
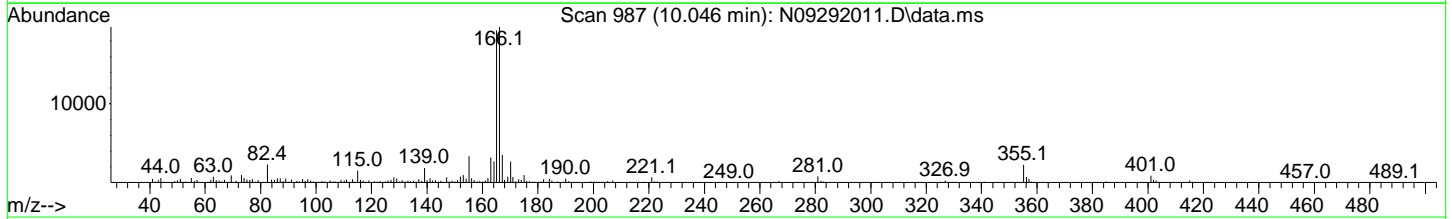
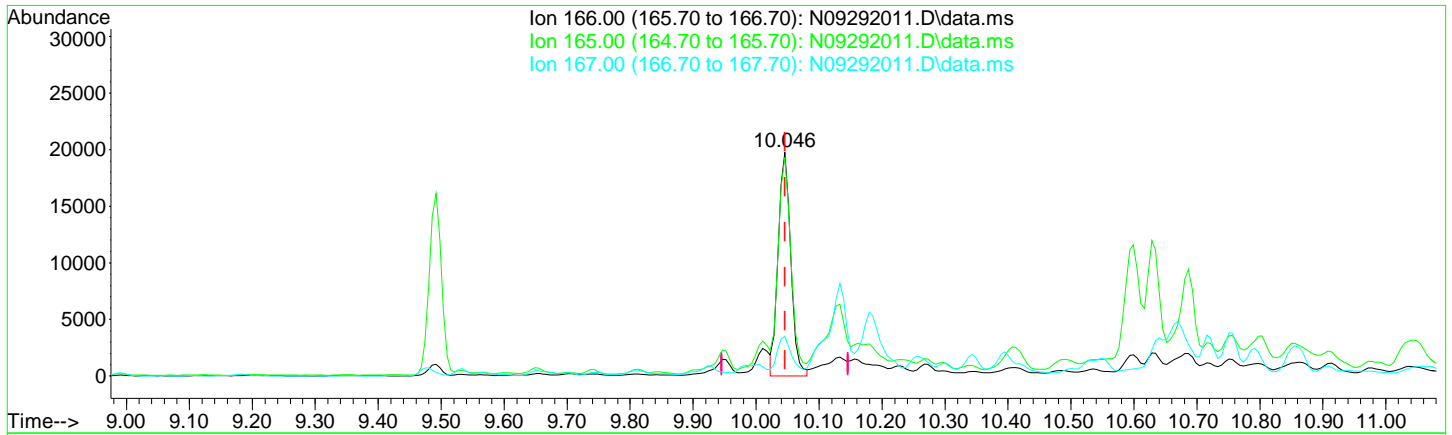
9.521min (+ 0.000) 45.38 ng/ml

response	91653
Ion	Exp% Act%
153.00	100.00 100.00
154.00	90.70 88.51
152.00	46.80 45.98
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

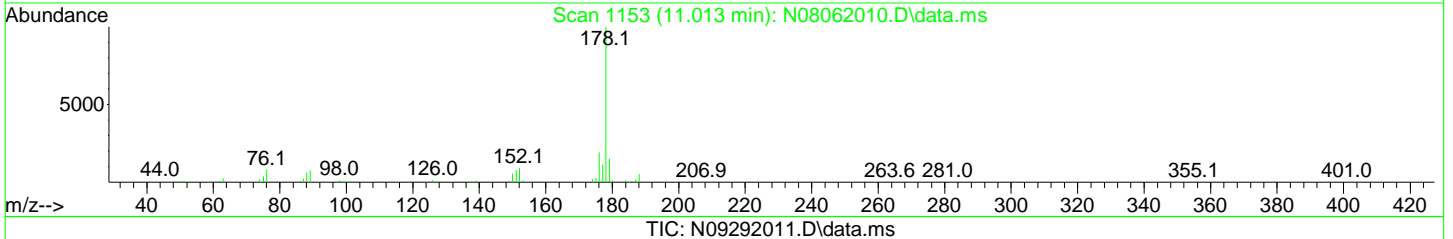
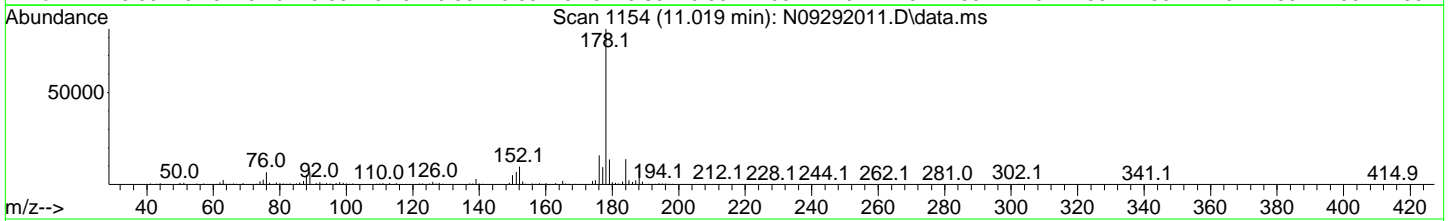
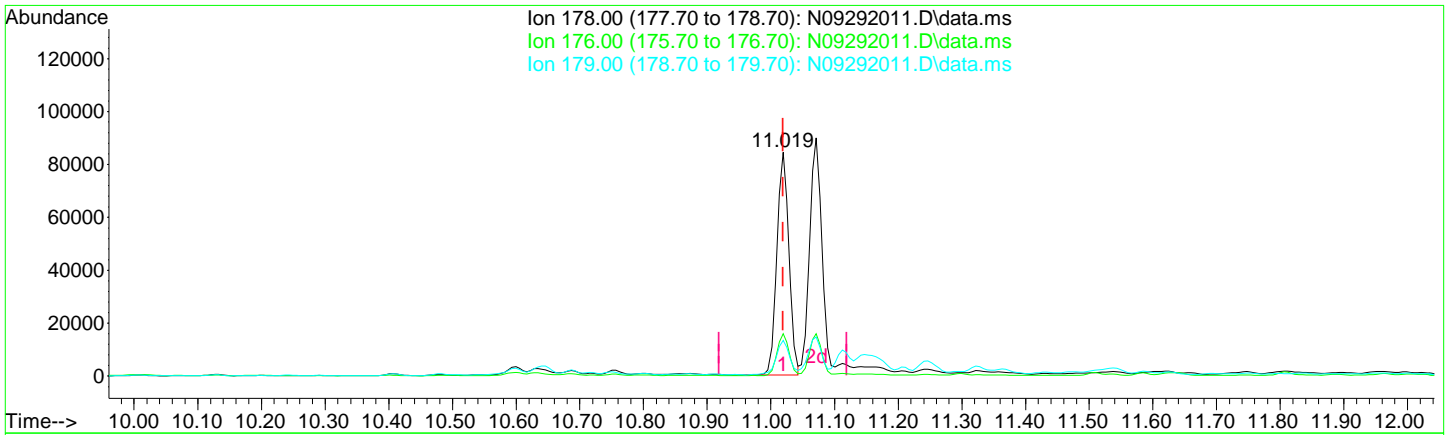
(15) Fluorene (T)
 10.046min (+ 0.000) 13.23 ng/ml m

response	27215	
Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	97.69
167.00	13.60	17.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(20) Phenanthrene (T)

11.019min (+ 0.000) 29.05 ng/ml

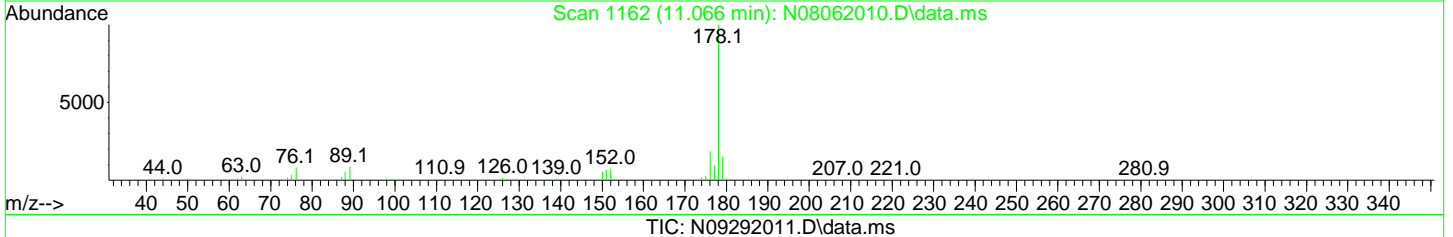
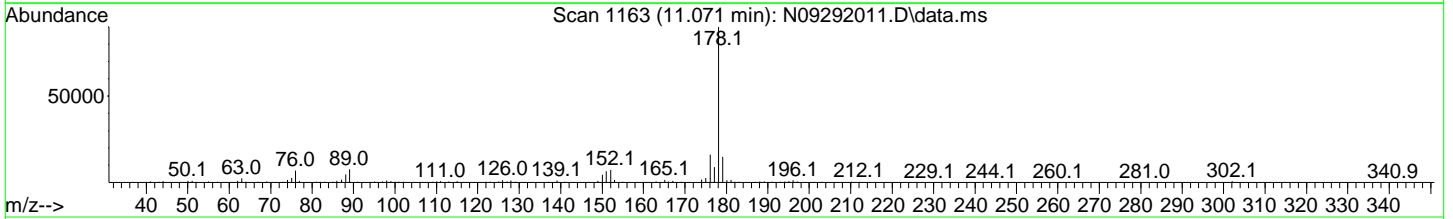
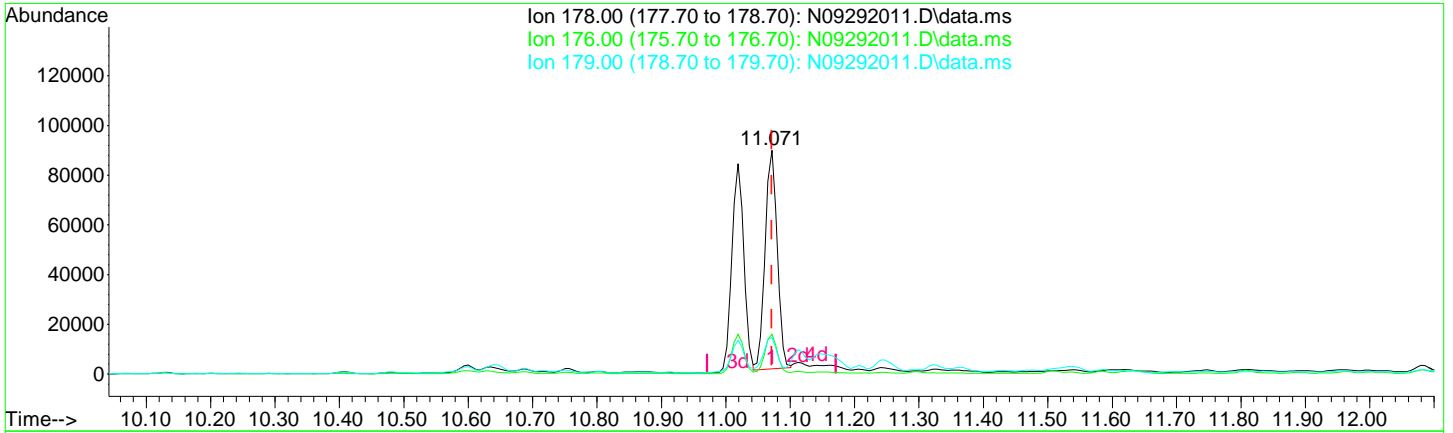
response 110472

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.90
179.00	15.10	15.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(21) Anthracene (T)

11.071min (+ 0.000) 36.73 ng/ml

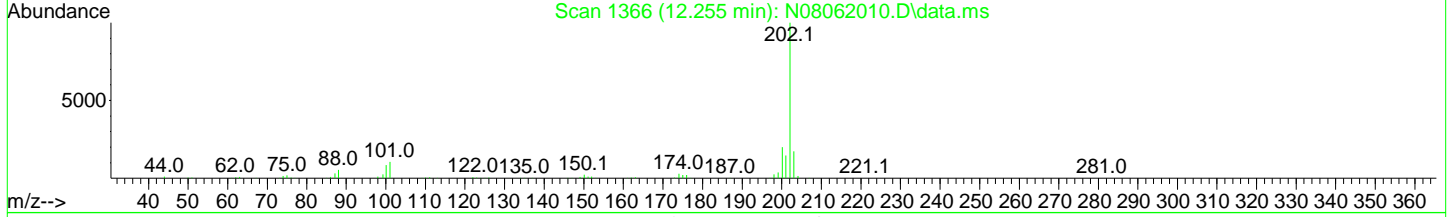
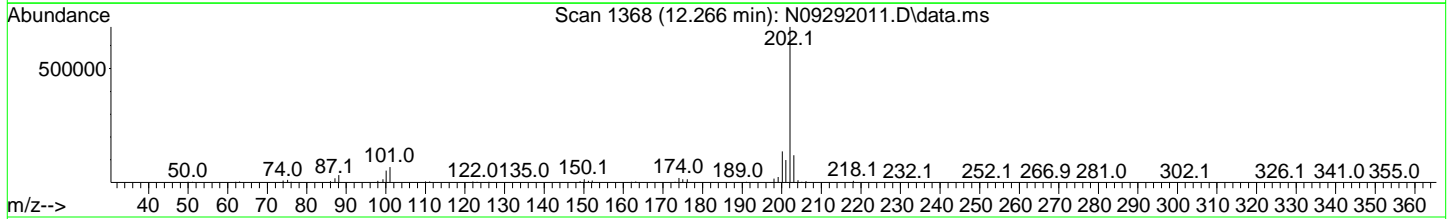
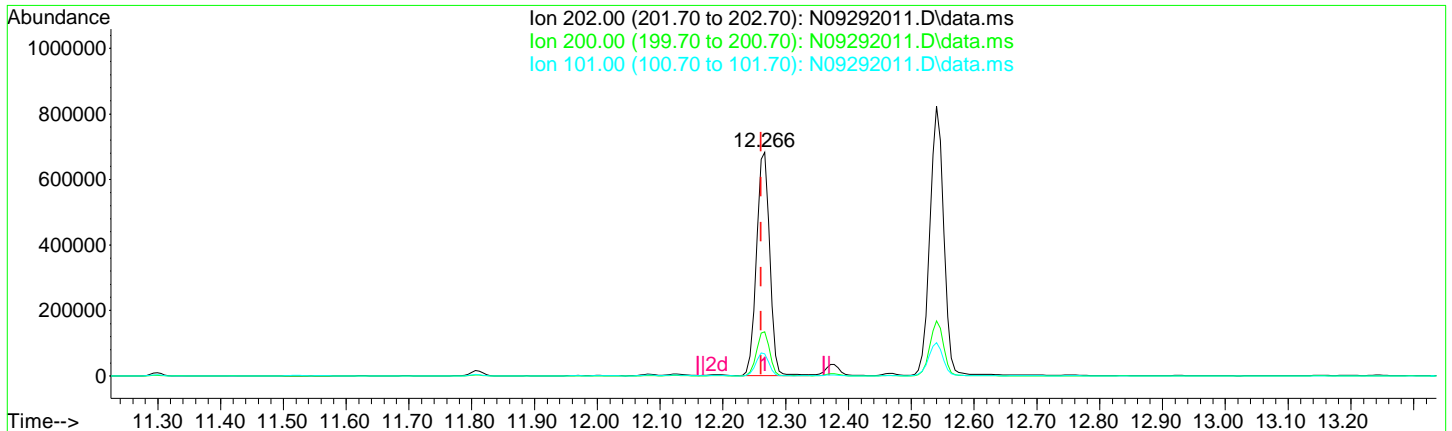
response 114415

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	17.77
179.00	15.30	16.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



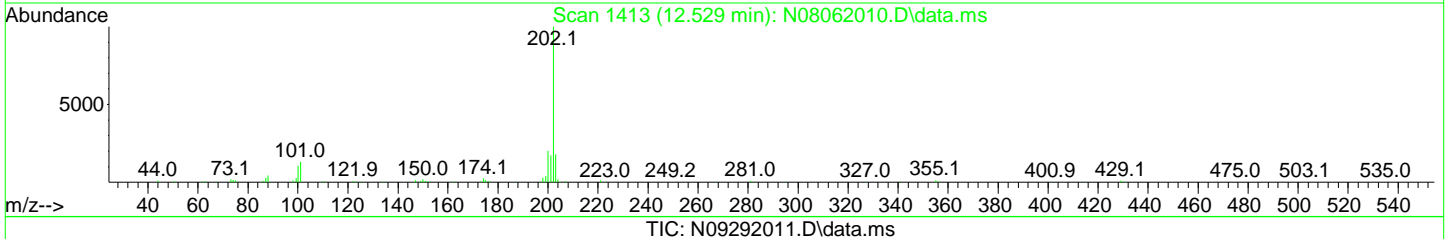
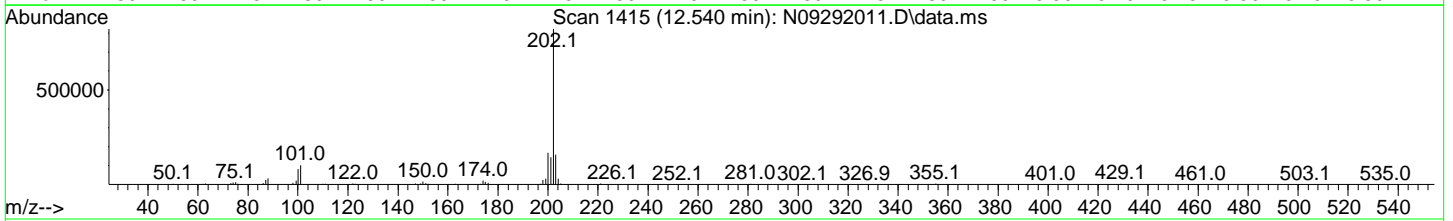
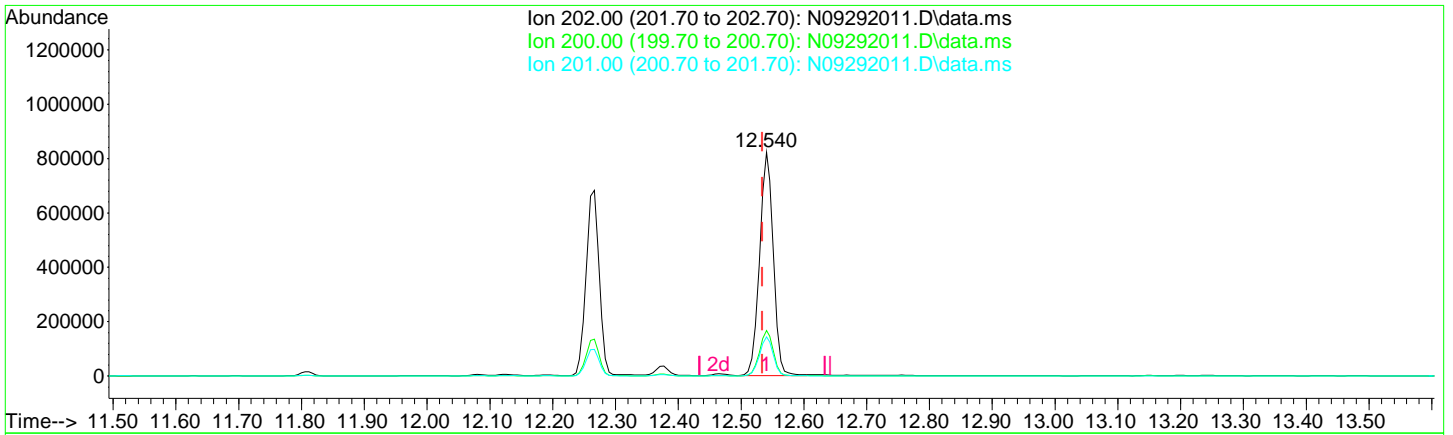
TIC: N09292011.D\data.ms

(24) Fluoranthene (T)		
12.266min (+ 0.006)	251.41 ng/ml	
response	991885	
Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.88
101.00	15.30	9.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(26) Pyrene (T)

12.540min (+ 0.006) 242.66 ng/ml

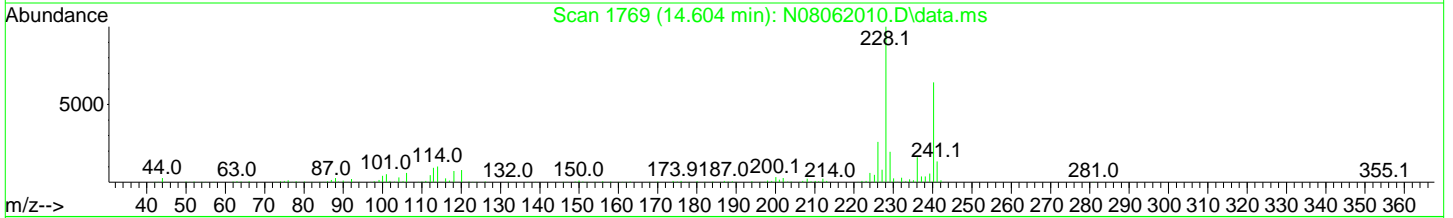
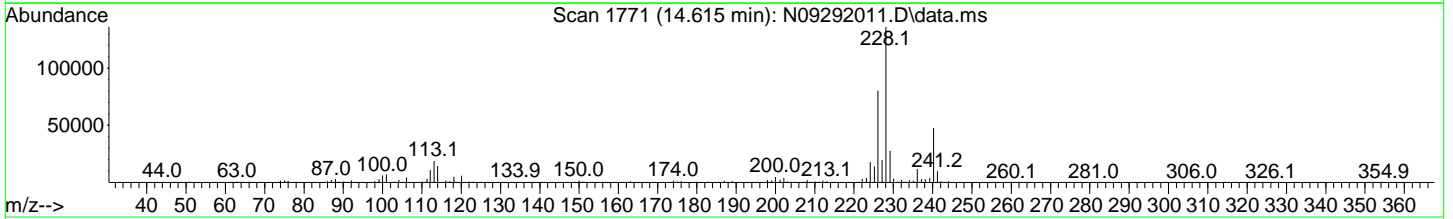
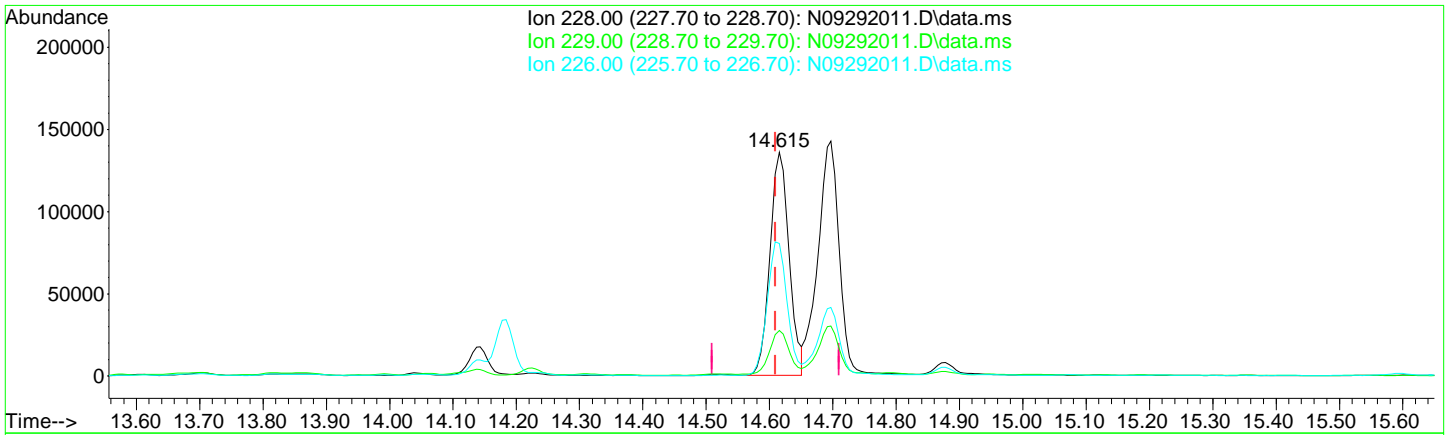
response 1255228

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.39
201.00	16.80	17.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(28) Benz(a)anthracene (T)

14.615min (+ 0.006) 73.62 ng/ml

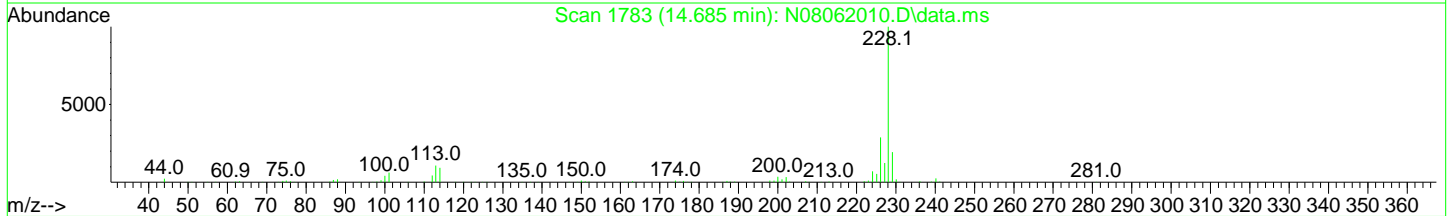
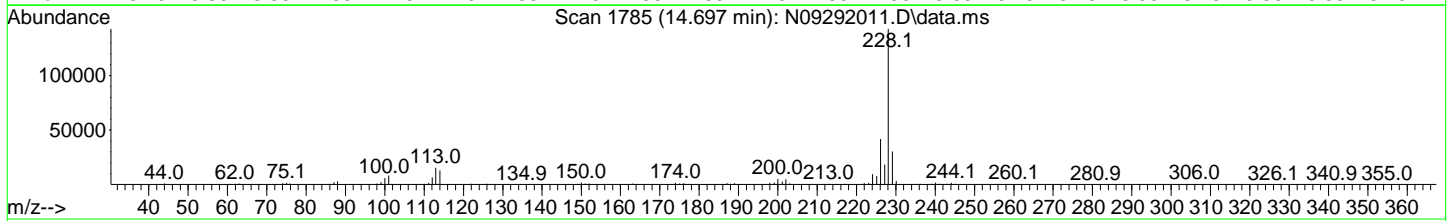
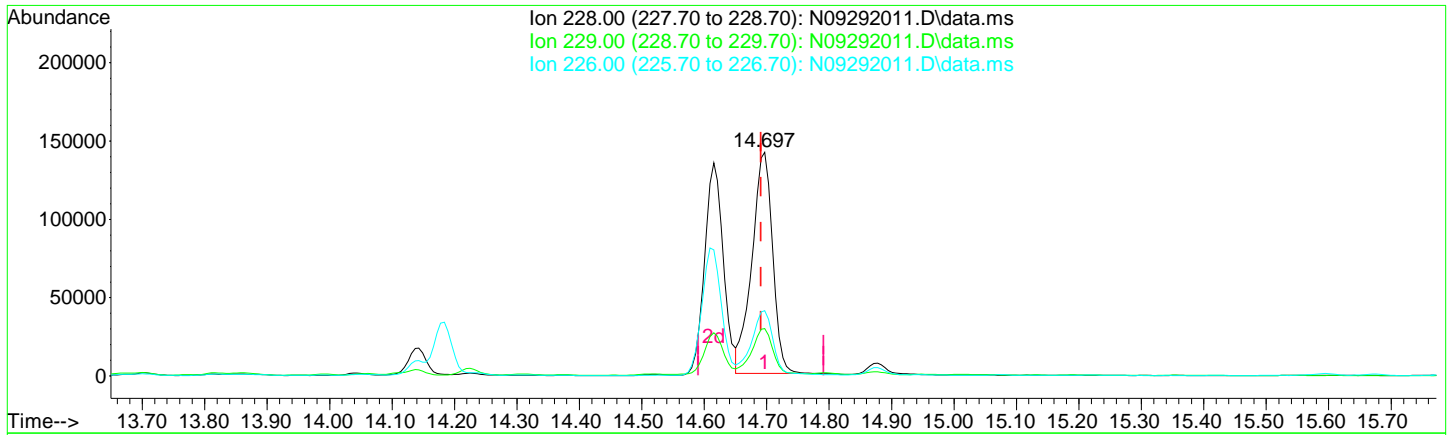
response 284319

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.32
226.00	26.20	59.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(29) Chrysene (T)

14.697min (+ 0.006) 81.28 ng/ml

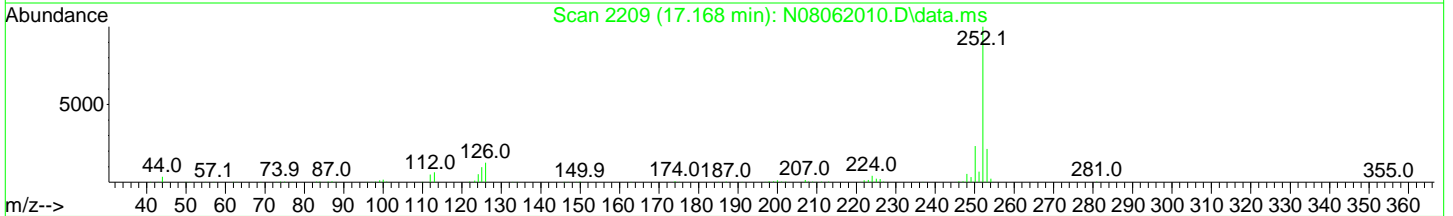
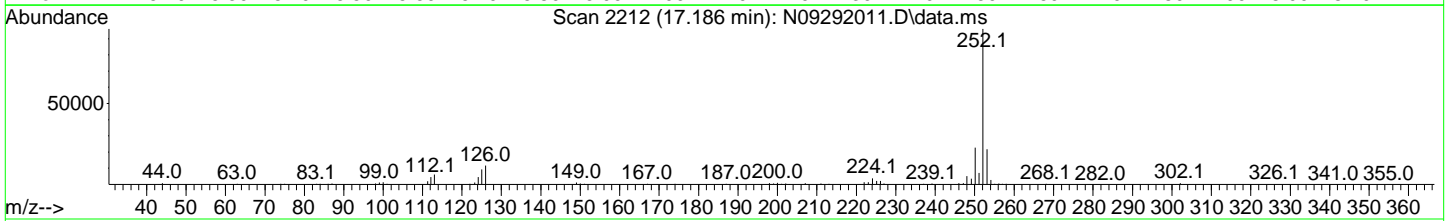
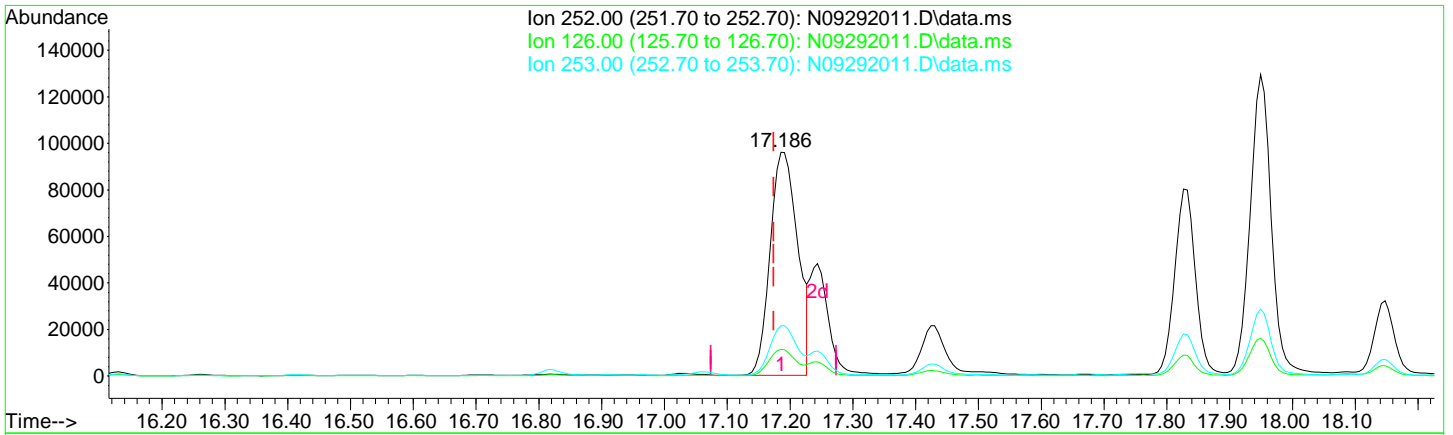
response 324367

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.20
226.00	28.60	29.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(31) Benzo(b)fluoranthene (T)

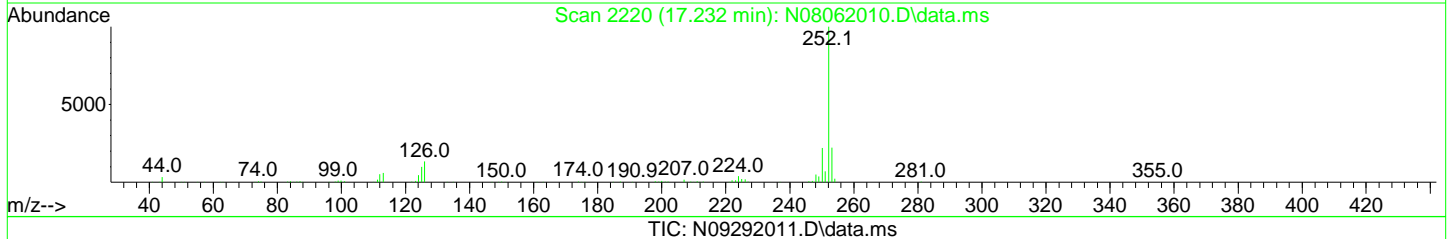
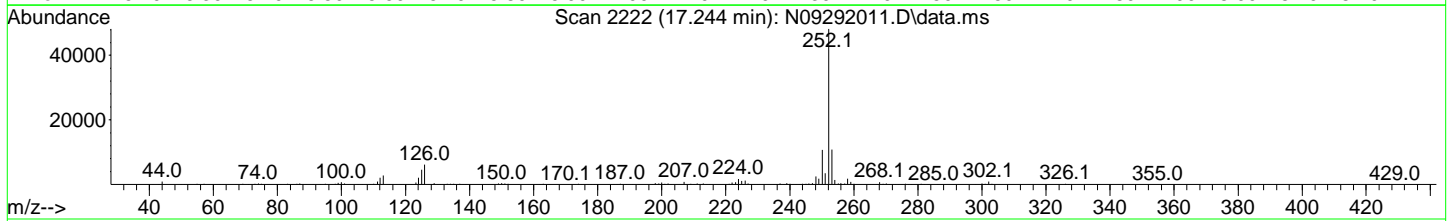
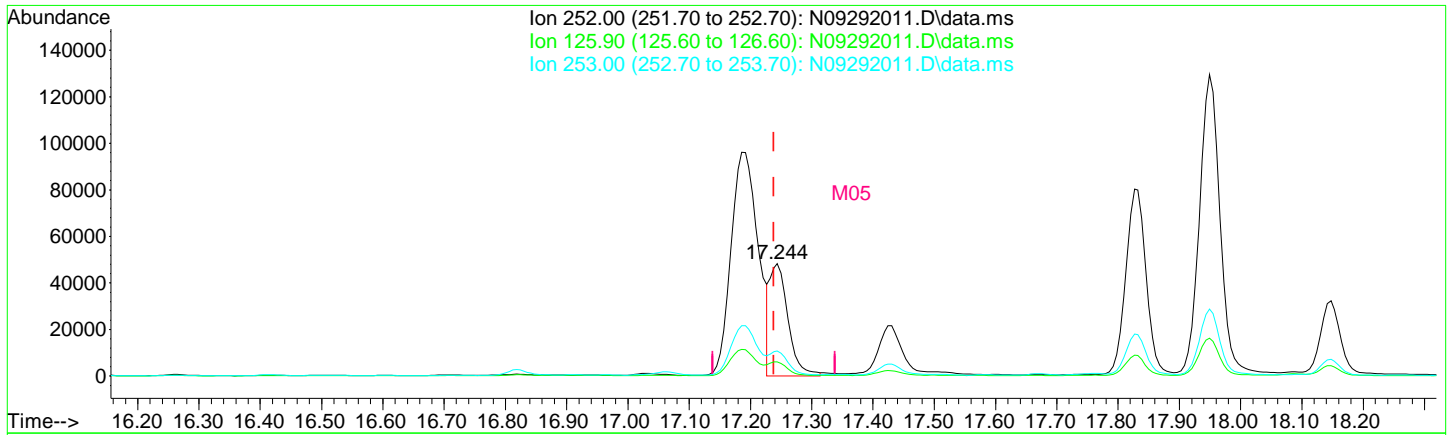
17.186min (+ 0.012) 76.04 ng/ml

response	294035	
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	12.02
253.00	21.10	22.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



(32) Benzo(k)fluoranthene (T)

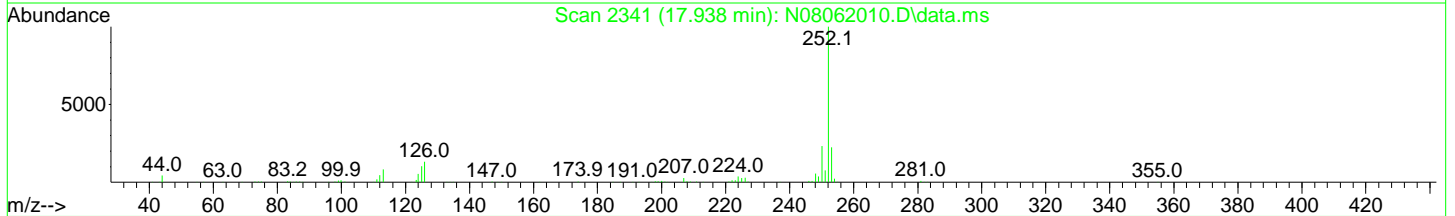
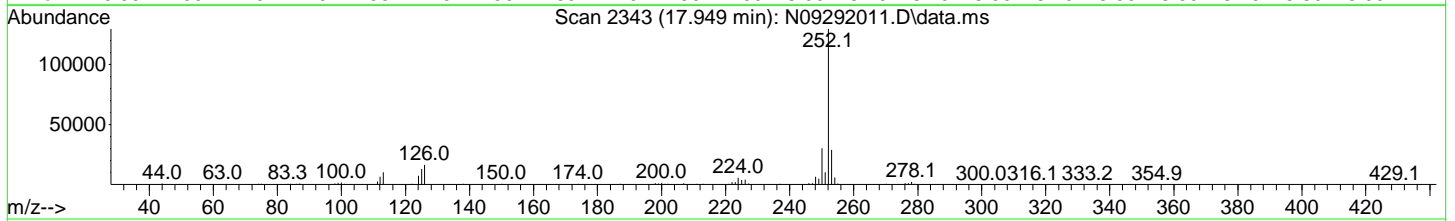
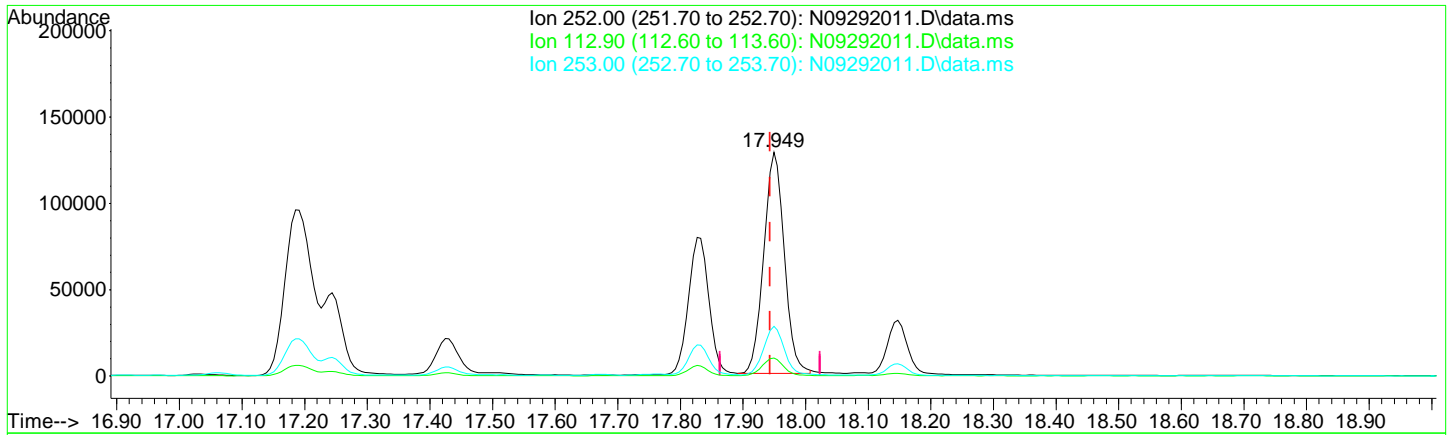
17.244min (+ 0.006) 27.09 ng/ml m

response	98805
Ion	Exp% Act%
252.00	100.00 100.00
125.90	22.10 12.75
253.00	21.50 22.28
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(35) Benzo(a)pyrene (T)

17.949min (+ 0.006) 104.22 ng/ml

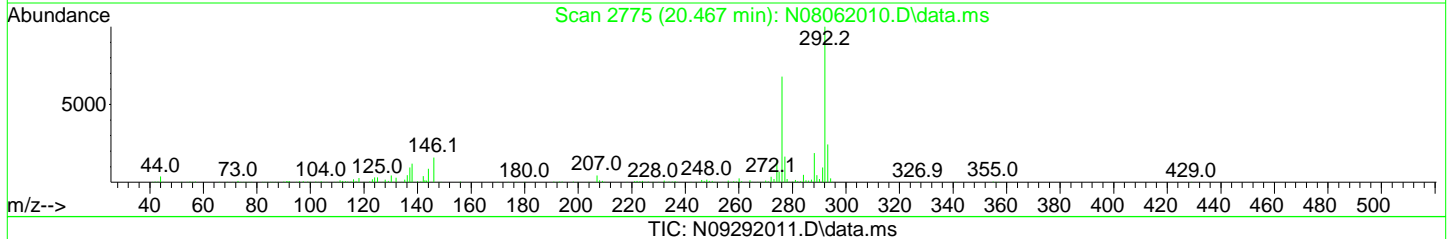
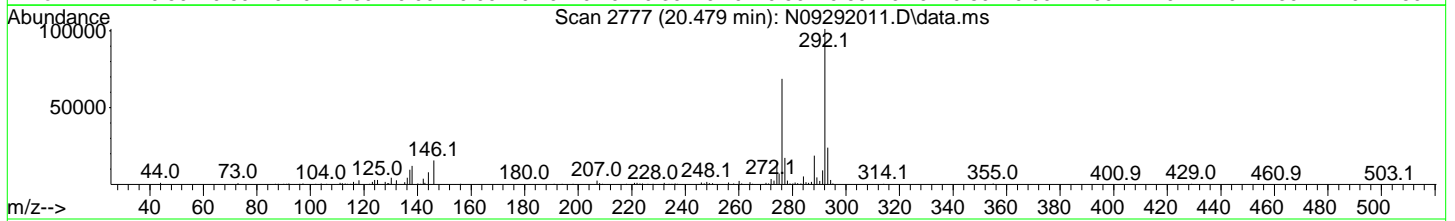
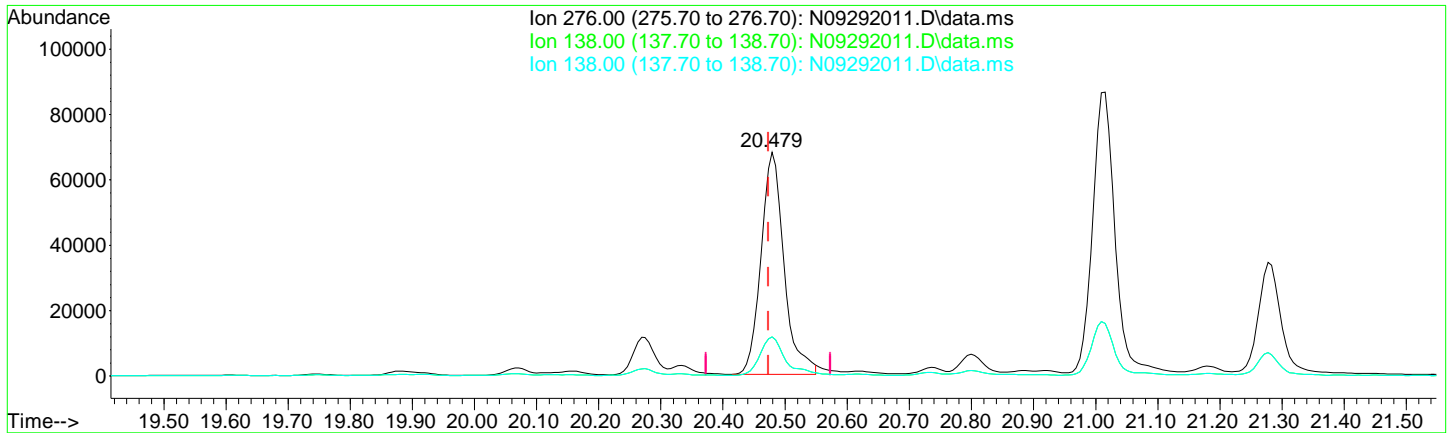
response 292166

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	8.01
253.00	21.90	22.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

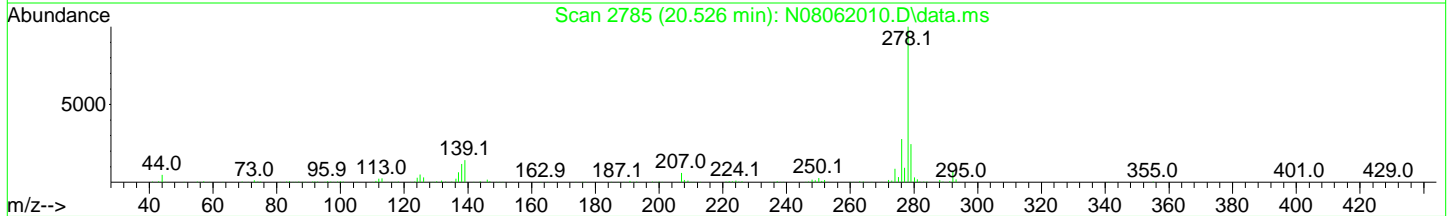
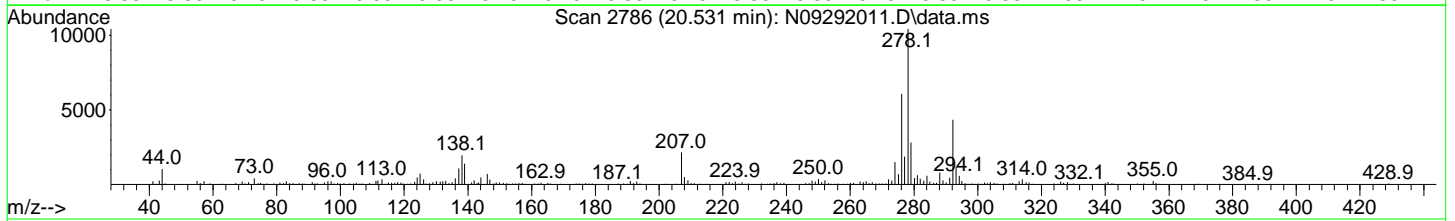
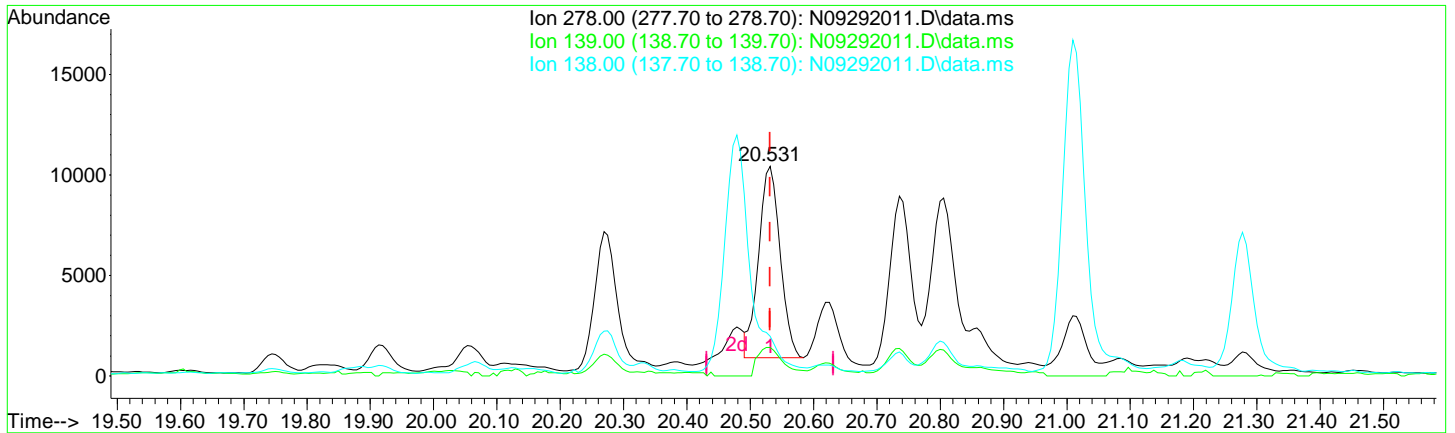
(38) Indeno(1,2,3-cd)Pyrene (T)
 20.479min (+ 0.006) 54.37 ng/ml
 response 175932

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	17.52
138.00	31.60	17.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



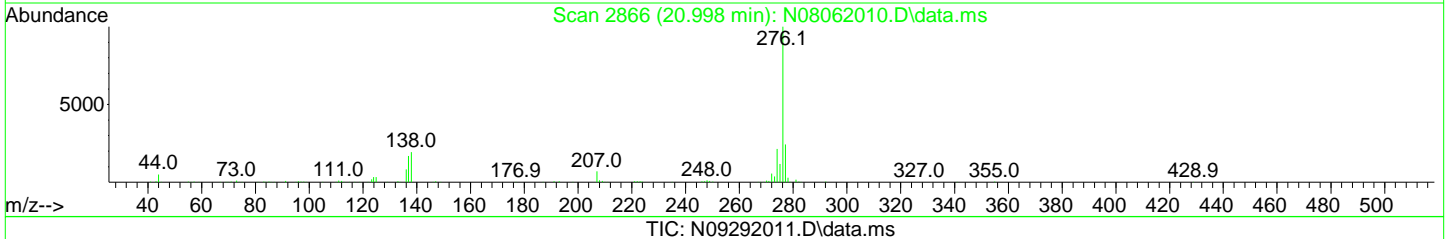
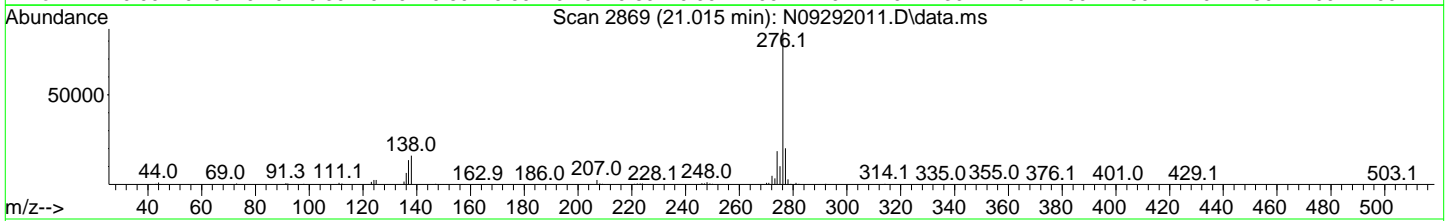
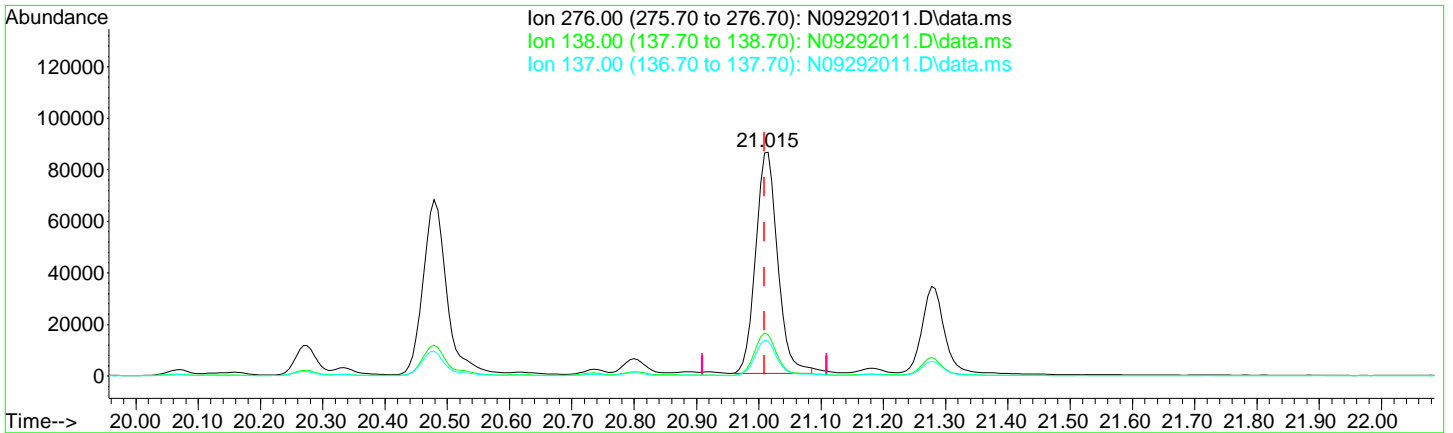
TIC: N09292011.D\data.ms

(39) Dibenz(a,h)anthracene (T)		
20.531min (+ 0.000)	7.04	ng/ml
response	22390	
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	13.61
138.00	19.90	18.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292011.D
 Acq On : 29 Sep 2020 01:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0I0556-41RE1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 29 14:00:41 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292011.D\data.ms

(40) Benzo(g,h,i)perylene (T)		
21.015min (+ 0.006)	64.44	ng/ml
response	211984	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	34.40	18.51
137.00	28.60	15.63
0.00	0.00	0.00

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292012.D
 Acq On : 29 Sep 2020 02:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP2@1000
 Misc : 1000x, #20
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 29 14:31:43 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	242659	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	168596	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	344134	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	333172	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	314203	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthracene-d...	20.467	292	252727	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.114	82	54	0.08	ng/ml	0.06
10) 2-Fluorobiphenyl (Surr)	8.810	172	148	0.06	ng/ml	0.00
17) 2,4,6-Tribromophenol (...)	10.296	330	107	2.17	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.732	244	455	0.14	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.761	128	2991	1.20	ng/ml	97
5) 2-Methylnaphthalene	8.448	142	497	N.D.		
6) 1-Methylnaphthalene	8.547	142	804	0.44	ng/ml	96
7) 1,1'-Biphenyl	8.909	154	342	N.D.		
8) 2,6-Dimethylnaphthalene	9.072	156	8379	4.97	ng/ml	94
11) Acenaphthylene	9.352	152	9720	3.44	ng/ml	94
12) Acenaphthene	9.521	153	47462	22.98	ng/ml	100
13) Dibenzofuran	9.702	168	3979	1.53	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	9.906	170	4848	2.59	ng/ml	93
15) Fluorene	10.045	166	27371	13.02	ng/ml	99
18) Pentachlorophenol (PCP)	10.733	266	163	9.89	ng/ml#	1
19) Dibenzothiopene	10.891	184	32605	9.76	ng/ml	94
20) Phenanthrene	11.019	178	275570	73.99	ng/ml	99
21) Anthracene	11.071	178	49634	16.27	ng/ml	97
22) Carbazole	11.240	167	380	N.D.		
23) 1-Methylphenanthrene	11.642	192	11838	4.42	ng/ml	96
24) Fluoranthene	12.260	202	168707	43.67	ng/ml	95
26) Pyrene	12.534	202	215337	48.27	ng/ml	99
28) Benz(a)anthracene	14.609	228	39517	11.86	ng/ml#	63
29) Chrysene	14.691	228	48185	14.00	ng/ml	97
31) Benzo(b)fluoranthene	17.186	252	42464	13.33	ng/ml	91
32) Benzo(k)fluoranthene	17.186	252	51687	17.20	ng/ml	89

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292012.D
 Acq On : 29 Sep 2020 02:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP2@1000
 Misc : 1000x, #20
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 29 14:31:43 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

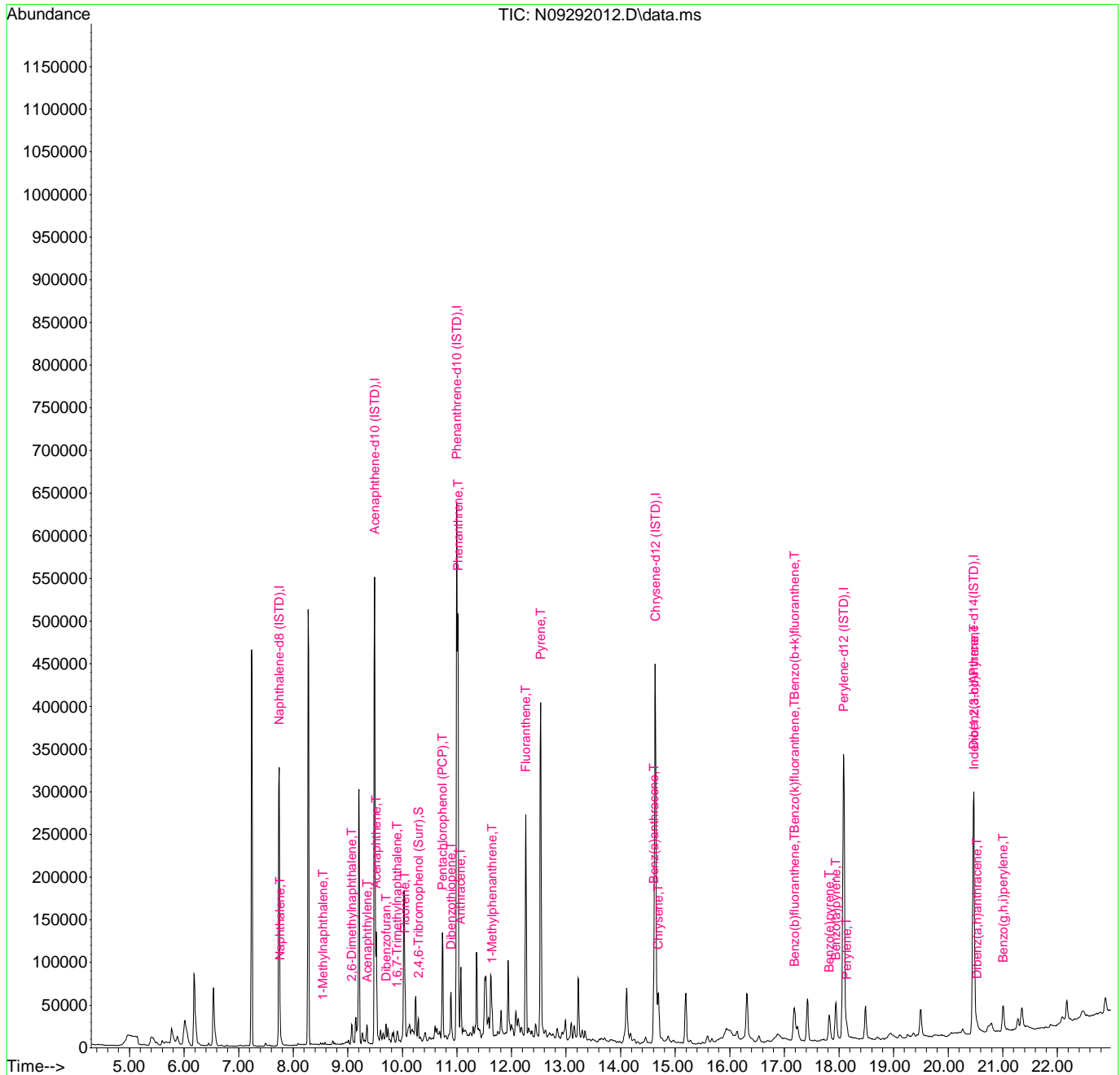
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	57215	17.65	ng/ml	89
34) Benzo(e)pyrene	17.821	252	26022	8.21	ng/ml	97
35) Benzo(a)pyrene	17.943	252	39018	16.89	ng/ml	96
36) Perylene	18.141	252	11408	3.33	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	20.473	276	26157	9.62	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	3361	1.26	ng/ml	91
40) Benzo(g,h,i)perylene	21.009	276	30392	10.99	ng/ml	75

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292012.D
 Acq On : 29 Sep 2020 02:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP2@1000
 Misc : 1000x, #20
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 29 14:31:43 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292012.D
 Acq On : 29 Sep 2020 02:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP2@1000
 Misc : 1000x, #20
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 29 14:31:43 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.743	136	242659	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	168596	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	344134	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	333172	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	314203	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	252727	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.114	82	54	0.08	ng/ml	0.06	
10) 2-Fluorobiphenyl (Surr)	8.810	172	148	0.06	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	107	2.17	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.732	244	455	0.14	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.761	128	2991	1.20	ng/ml		97
5) 2-Methylnaphthalene	8.448	142	497	N.D.			
6) 1-Methylnaphthalene	8.547	142	804	0.44	ng/ml		96
7) 1,1'-Biphenyl	8.909	154	342	N.D.			
8) 2,6-Dimethylnaphthalene	9.072	156	8379	4.97	ng/ml		94
11) Acenaphthylene	9.352	152	9720	3.44	ng/ml		94
12) Acenaphthene	9.521	153	47462	22.98	ng/ml		100
13) Dibenzofuran	9.702	168	3979	1.53	ng/ml		97
14) 1,6,7-Trimethylnaphtha...	9.906	170	4848	2.59	ng/ml		93
15) Fluorene	10.045	166	27371	13.02	ng/ml		99
18) Pentachlorophenol (PCP)	10.733	266	163	9.89	ng/ml#		1
19) Dibenzothiopene	10.891	184	32605	9.76	ng/ml		94
20) Phenanthrene	11.019	178	275570	73.99	ng/ml		99
21) Anthracene	11.071	178	49634	16.27	ng/ml		97
22) Carbazole	11.240	167	380	N.D.			
23) 1-Methylphenanthrene	11.642	192	11838	4.42	ng/ml		96
24) Fluoranthene	12.260	202	168707	43.67	ng/ml		95
26) Pyrene	12.534	202	215337	48.27	ng/ml		99
28) Benz(a)anthracene	14.609	228	39517	11.86	ng/ml#		63
29) Chrysene	14.691	228	48185	14.00	ng/ml		97
31) Benzo(b)fluoranthene	17.186	252	42464	13.33	ng/ml		91
32) Benzo(k)fluoranthene	17.186	252	51687	17.20	ng/ml		89

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292012.D
 Acq On : 29 Sep 2020 02:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP2@1000
 Misc : 1000x, #20
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 29 14:31:43 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

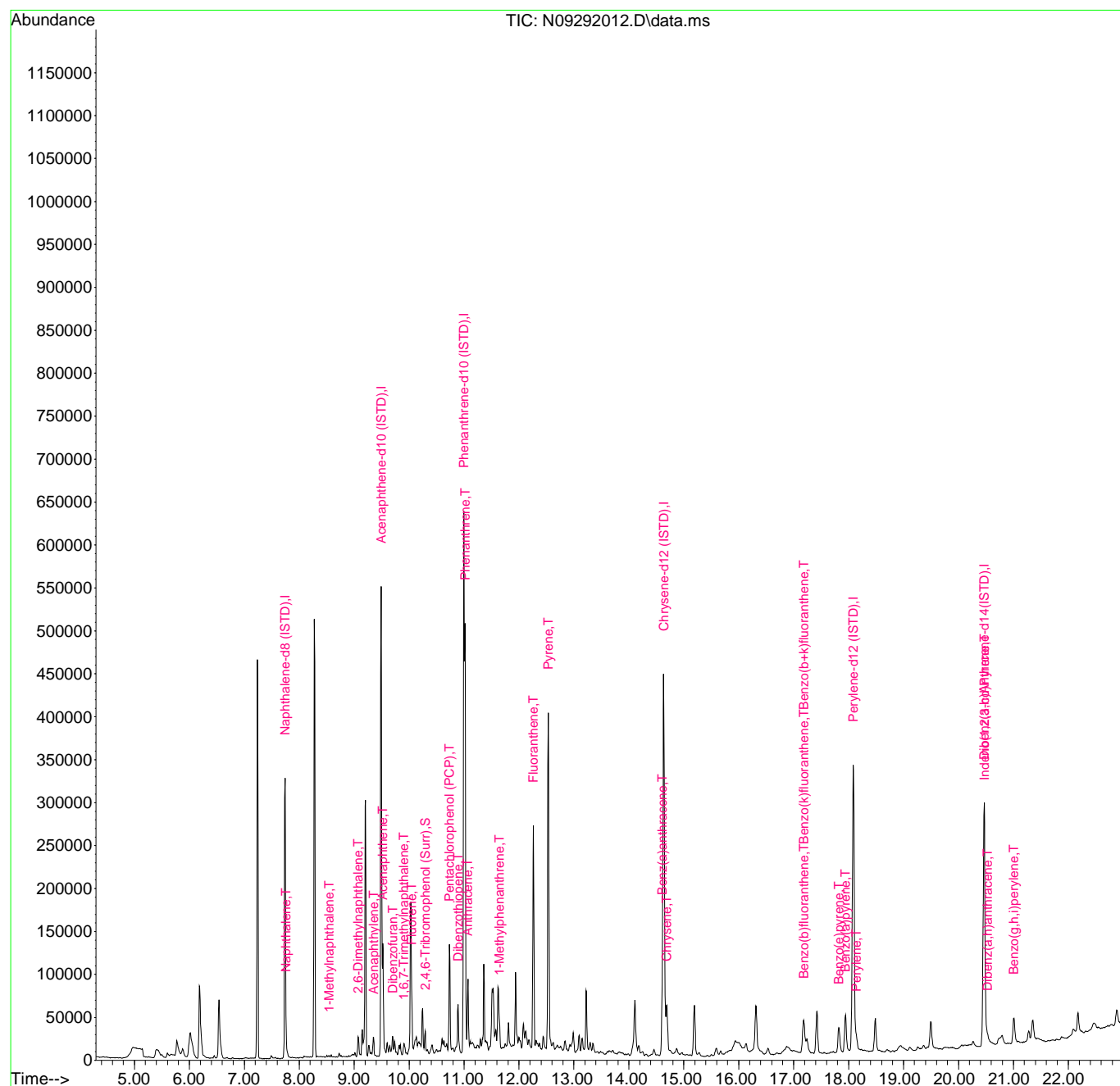
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	17.186	252	57215	17.65	ng/ml	89
34) Benzo(e)pyrene	17.821	252	26022	8.21	ng/ml	97
35) Benzo(a)pyrene	17.943	252	39018	16.89	ng/ml	96
36) Perylene	18.141	252	11408	3.33	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	20.473	276	26157	9.62	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	3361	1.26	ng/ml	91
40) Benzo(g,h,i)perylene	21.009	276	30392	10.99	ng/ml	75

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292012.D
 Acq On : 29 Sep 2020 02:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP2@1000
 Misc : 1000x, #20
 ALS Vial : 11 Sample Multiplier: 1

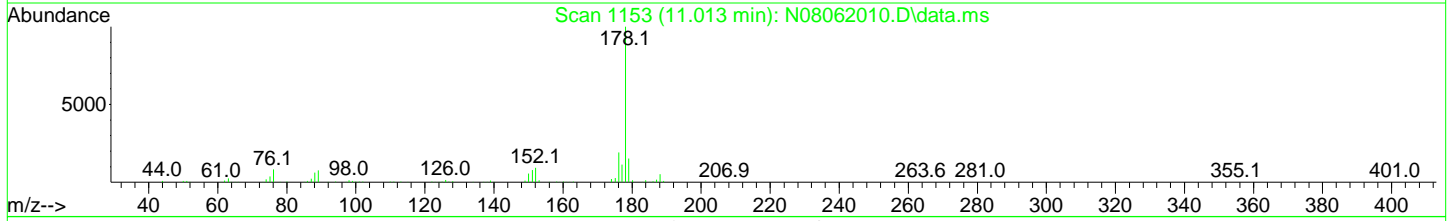
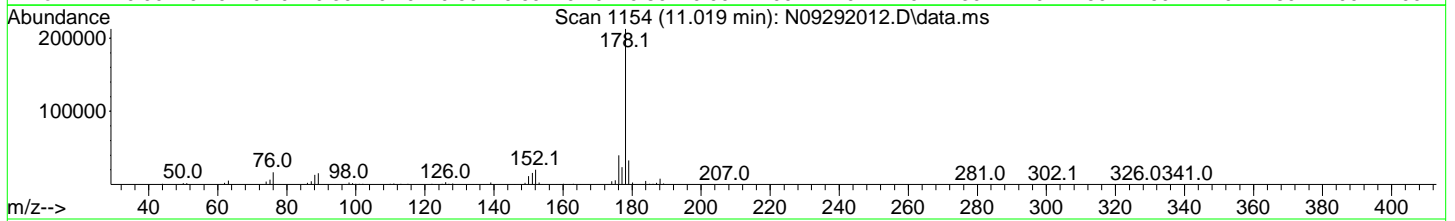
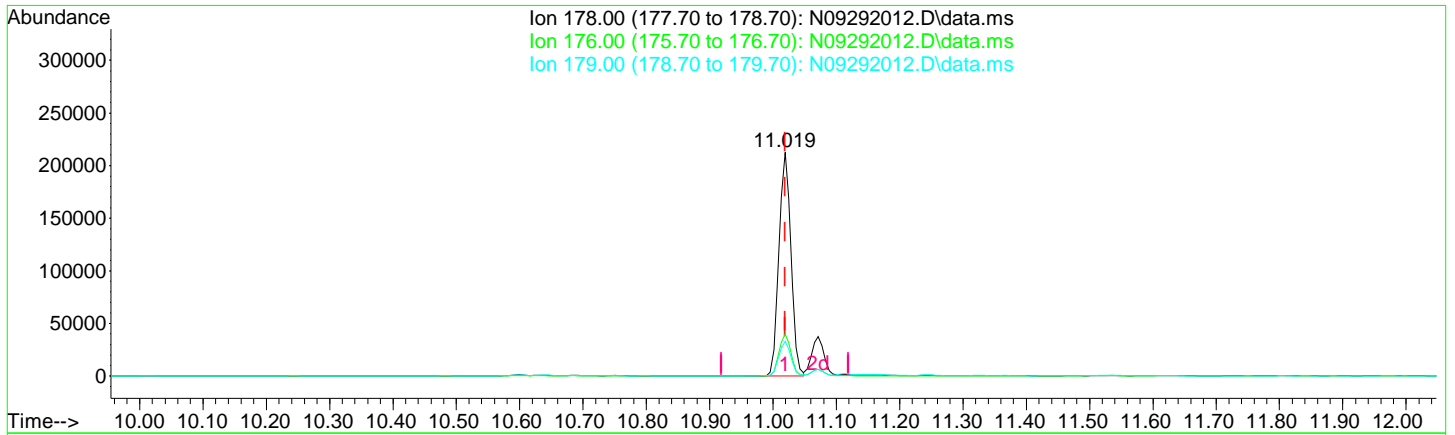
Quant Time: Sep 29 14:31:43 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-09\0I29037\
 Data File : N09292012.D
 Acq On : 29 Sep 2020 02:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0090828-DUP2@1000
 Misc : 1000x, #20
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 29 14:31:43 2020
 Quant Method : U:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



TIC: N09292012.D\data.ms

(20) Phenanthrene (T)

11.019min (-0.000) 73.99 ng/ml

response 275570

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.77
179.00	15.10	15.41
0.00	0.00	0.00

**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Calibration Data**

Sequence 0H07053 (Cal ID A0H1005) SV-GCMS14



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0H07053

Instrument: SV-GCMS14

Date: 08/07/20 15:42

Calibration: A0H1005

#	<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	0H07053-TUN1	Soil	QC	QC			A20G263	A20H065
2	0H07053-ICB1	Soil	QC	QC			A20G263	
3	0H07053-CAL1	Soil	QC	QC			A20G263	A20H127
4	0H07053-CAL2	Soil	QC	QC			A20G263	A20H128
5	0H07053-CAL3	Soil	QC	QC			A20G263	A20H129
6	0H07053-CAL4	Soil	QC	QC			A20G263	A20H130
7	0H07053-CAL5	Soil	QC	QC			A20G263	A20H131
8	0H07053-CAL6	Soil	QC	QC			A20G263	A20H132
9	0H07053-CAL7	Soil	QC	QC			A20G263	A20H133
10	0H07053-CAL8	Soil	QC	QC			A20G263	A20H134
11	0H07053-CAL9	Soil	QC	QC			A20G263	A20H135
12	0H07053-CALA	Soil	QC	QC			A20G263	A20H136
13	0H07053-IBL1	Soil	QC	QC			A20G263	
14	0H07053-IBL2	Soil	QC	QC			A20G263	
15	0H07053-ICV1	Soil	QC	QC			A20G263	A20H138
16	0H07053-IBL3	Soil	QC	QC			A20G263	

Data Entered By/Date: JK 8/10/20
Data Reviewed By/Date: MKZ 8/14/2020

Comments:

Calibration Status Report SV-GCMS14

Method Path : M:\methods\
 Method File : SV14_080720.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Aug 10 09:22:10 2020
 Response Via : Initial Calibration

JK 8/10/20

#	ID	Conc	ISTD Conc	Path\File
1	1.0	1	100	M:\data\2020-08\0H07053\N08072010.D
2	2.0	2	100	M:\data\2020-08\0H07053\N08072011.D
3	5.0	5	100	M:\data\2020-08\0H07053\N08072012.D
4	10.0	10	100	M:\data\2020-08\0H07053\N08072013.D
5	20	20	100	M:\data\2020-08\0H07053\N08072014.D
6	50.0	50	100	M:\data\2020-08\0H07053\N08072015.D
7	100	100	100	M:\data\2020-08\0H07053\N08072016.D
8	200	200	100	M:\data\2020-08\0H07053\N08072017.D
9	400	400	100	M:\data\2020-08\0H06064\N08062013.D
10	600	600	100	M:\data\2020-08\0H07053\N08072019.D

Misinjection. Point not included in calibration.

#	ID	Update Time	Quant Time	Acquisition Time
1	1.0	Aug 10 09:21 2020	Aug 10 09:16 2020	07 Aug 2020 04:50 pm
2	2.0	Aug 10 09:21 2020	Aug 10 09:16 2020	07 Aug 2020 05:23 pm
3	5.0	Aug 10 09:21 2020	Aug 10 09:17 2020	07 Aug 2020 05:56 pm
4	10.0	Aug 10 09:21 2020	Aug 10 09:18 2020	07 Aug 2020 06:29 pm
5	20	Aug 10 09:21 2020	Aug 10 09:18 2020	07 Aug 2020 07:02 pm
6	50.0	Aug 10 09:21 2020	Aug 10 09:18 2020	07 Aug 2020 07:35 pm
7	100	Aug 10 09:22 2020	Aug 10 09:19 2020	07 Aug 2020 08:07 pm
8	200	Aug 10 09:22 2020	Aug 10 09:19 2020	07 Aug 2020 08:40 pm
9	400	Aug 07 10:58 2020	Aug 07 10:55 2020	06 Aug 2020 11:02 pm
10	600	Aug 10 09:22 2020	Aug 10 09:20 2020	07 Aug 2020 09:45 pm

SV14_080720.M Mon Aug 10 12:58:23 2020

Response Factor Report SV-GCMS14

Method Path : M:\methods\
 Method File : SV14_080720.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Aug 10 09:22:10 2020
 Response Via : Initial Calibration

JK 8/10/20

Calibration Files

1.0 =N08072010.D 2.0 =N08072011.D 5.0 =N08072012.D 10.0=N08072013.D 20 =N08072014.D
 50.0=N08072015.D 100 =N08072016.D 200 =N08072017.D 400 =N08062013.D 600 =N08072019.D

Compound	1.0	2.0	5.0	10.0	20	50.0	100	200	400	600	Avg	%RSD
1) I Naphthalene-d8 (ISTD) -----ISTD-----												
2) S Nitrobenzene-d...	0.303	0.283	0.263	0.261	0.282	0.282	0.283	0.281		0.284	0.280	4.49
3) T Decalin	0.056	0.056	0.060	0.068	0.055	0.053	0.062	0.058		0.062	0.059	7.97
4) T Naphthalene	1.192	1.066	1.023	1.030	1.028	1.001	1.005	0.983		0.953	1.031	6.62
5) T 2-Methylnaphth...	0.675	0.735	0.736	0.703	0.754	0.780	0.782	0.780		0.767	0.746	5.02
6) T 1-Methylnaphth...	0.709	0.720	0.744	0.743	0.757	0.769	0.769	0.764		0.741	0.746	2.84
7) T 1,1'-Biphenyl	0.984	0.923	0.900	0.837	0.939	0.976	0.993	0.989		0.999	0.949	5.73
8) T 2,6-Dimethylna...	0.671	0.657	0.661	0.621	0.705	0.725	0.741	0.742		0.737	0.695	6.38
9) I Acenaphthene-d10 (... -----ISTD-----												
10) S 2-Fluorobiphen...	1.376	1.393	1.425	1.394	1.460	1.492	1.472	1.467		1.389	1.430	3.04
11) T Acenaphthylene	1.474	1.566	1.592	1.685	1.686	1.757	1.792	1.803		1.731	1.676	6.65
12) T Acenaphthene	1.267	1.260	1.266	1.192	1.236	1.232	1.219	1.210		1.142	1.225	3.29
13) T Dibenzofuran	1.495	1.486	1.488	1.397	1.543	1.599	1.622	1.641		1.588	1.540	5.17
14) T 1,6,7-Trimethy...	1.159	1.063	1.077	1.086	1.124	1.145	1.150	1.130		1.060	1.111	3.52
15) T Fluorene	1.208	1.215	1.185	1.104	1.247	1.302	1.348	1.340		1.272	1.247	6.30
16) I Phenanthrene-d10 (... -----ISTD-----												
17) S 2,4,6-Tribromo...	0.107	0.107	0.107	0.078	0.108	0.120	0.128	0.131		0.142	0.116	18.22
18) T Pentachlorophe...	0.008	0.008	0.008	0.021	0.042	0.052	0.072			0.103	0.050	68.86
19) T Dibenzothiopene	0.928	1.019	0.990	0.955	0.983	0.980	0.990	0.970		0.926	0.971	3.13
20) T Phenanthrene	1.195	1.148	1.072	1.061	1.081	1.077	1.069	1.050		0.987	1.082	5.45
21) T Anthracene	0.868	0.863	0.833	0.775	0.905	0.939	0.938	0.942		0.916	0.886	6.42
22) T Carbazole	0.595	0.575	0.609	0.502	0.724	0.760	0.715	0.731		0.720	0.659	13.63
23) T 1-Methylphenan...	0.700	0.808	0.764	0.744	0.797	0.817	0.811	0.804		0.758	0.778	5.07

Response Factor Report SV-GCMS14

Method Path : M:\methods\
 Method File : SV14_080720.M

Title : EPA 8270D: Semivolatle Organics

24)	T	Fluoranthene	1.056	1.074	1.058	1.022	1.137	1.170	1.203	1.212	1.173	1.123	6.33
25)	I	Chrysene-d12 (ISTD)	-----ISTD-----										
26)	T	Pyrene	1.284	1.285	1.314	1.673	1.366	1.310	1.405	1.278	1.135	1.339	10.88
27)	S	Terphenyl-d14 ...	0.948	0.900	0.965	1.003	1.009	0.983	0.990	0.954	0.903	0.961	4.15
28)	T	Benz(a)anthracene	1.185	1.074	0.961	0.922	0.963	0.964	0.961	0.973	0.995	1.000	8.09
29)	T	Chrysene	1.050	1.051	1.063	1.013	1.046	1.035	1.039	1.017	0.984	1.033	2.37
30)	I	Perylene-d12 (ISTD)	-----ISTD-----										
31)	T	Benzo(b)fluora...	1.008	1.004	0.923	0.982	1.013	1.015	1.048	1.054	1.078	1.014	4.44
32)	T	Benzo(k)fluora...	0.926	0.854	0.918	0.919	0.939	0.984	1.002	1.040	1.026	0.957	6.31
33)	T	Benzo(b+k)fluo...	0.967	0.999	0.982	1.015	1.033	1.051	1.072	1.085	1.083	1.032	4.27
34)	T	Benzo(e)pyrene	0.943	0.938	0.965	1.011	1.001	1.015	1.063	1.079	1.060	1.008	5.17
35)	T	Benzo(a)pyrene	0.754	0.681	0.649	0.662	0.717	0.756	0.778	0.805	0.813	0.735	8.29
36)	T	Perylene	1.114	1.064	1.042	1.096	1.134	1.112	1.101	1.105	1.056	1.092	2.81
37)	I	Dibenz(a,h)Anthrce...	-----ISTD-----										
38)	T	Indeno(1,2,3-c...	1.057	1.050	1.042	1.057	1.057	1.051	1.096	1.128	1.148	1.076	3.58
39)	T	Dibenz(a,h)ant...	1.062	1.058	1.013	1.009	1.045	1.024	1.110	1.123	1.080	1.058	3.83
40)	T	Benzo(g,h,i)pe...	1.003	1.025	1.003	1.045	1.075	1.106	1.172	1.213	1.206	1.094	7.73

 (#) = Out of Range

Compound List Report SV-GCMS14

Method Path : M:\methods\
 Method File : SV14_080720.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Aug 10 09:22:10 2020
 Response Via : Initial Calibration

JK 8/10/20

All quadratic curve fits weighted $1/(a^2)$

Total Cpnds : 40

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Naphthalene-d8 (ISTD)	136	7.737	1.000	A	2	A	B
2	S Nitrobenzene-d5 (Surr)	82	7.050	0.911	A	1	A	R
3	T Decalin	138	7.212	0.932	A	2	A	B
4	T Naphthalene	128	7.761	1.003	A	2	A	R
5	T 2-Methylnaphthalene	142	8.443	1.091	A	2	A	R
6	T 1-Methylnaphthalene	142	8.542	1.104	A	2	A	R
7	T 1,1'-Biphenyl	154	8.909	1.151	A	2	A	B
8	T 2,6-Dimethylnaphthalene	156	9.066	1.172	A	2	A	R
9	I Acenaphthene-d10 (ISTD)	162	9.492	1.000	A	2	A	R
10	S 2-Fluorobiphenyl (Surr)	172	8.804	0.928	A	2	A	R
11	T Acenaphthylene	152	9.346	0.985	A	2	A	R
12	T Acenaphthene	153	9.521	1.003	A	2	A	R
13	T Dibenzofuran	168	9.696	1.021	A	2	A	R
14	T 1,6,7-Trimethylnaphthalene	170	9.906	1.044	A	2	A	R
15	T Fluorene	166	10.046	1.058	A	2	A	R
16	I Phenanthrene-d10 (ISTD)	188	10.996	1.000	A	2	A	R
17	S 2,4,6-Tribromophenol (Surr)	330	10.296	0.936	Q	2	A	R
18	T Pentachlorophenol (PCP)	266	10.814	0.983	Q	2	A	R
19	T Dibenzothiopene	184	10.891	0.990	A	3	A	R
20	T Phenanthrene	178	11.019	1.002	A	2	A	R
21	T Anthracene	178	11.071	1.007	A	2	A	R
22	T Carbazole	167	11.235	1.022	A	2	A	R
23	T 1-Methylphenanthrene	192	11.643	1.059	A	2	A	R
24	T Fluoranthene	202	12.260	1.115	A	2	A	R
25	I Chrysene-d12 (ISTD)	240	14.633	1.000	A	2	A	R
26	T Pyrene	202	12.534	0.857	A	2	A	R
27	S Terphenyl-d14 (Surr)	244	12.733	0.870	A	2	A	R
28	T Benz(a)anthracene	228	14.609	0.998	A	2	A	R
29	T Chrysene	228	14.691	1.004	A	2	A	R
30	I Perylene-d12 (ISTD)	264	18.083	1.000	A	2	A	R
31	T Benzo(b)fluoranthene	252	17.174	0.950	A	2	A	R
32	T Benzo(k)fluoranthene	252	17.238	0.953	A	2	A	R
33	T Benzo(b+k)fluoranthene	252	17.238	0.953	A	2	A	R
34	T Benzo(e)pyrene	252	17.821	0.985	A	2	A	R
35	T Benzo(a)pyrene	252	17.943	0.992	A	2	A	R
36	T Perylene	252	18.141	1.003	A	2	A	R
37	I Dibenz(a,h)Anthrcene-d14(ISTD)	292	20.467	1.000	A	2	A	R
38	T Indeno(1,2,3-cd)Pyrene	276	20.473	1.000	A	2	A	R
39	T Dibenz(a,h)anthracene	278	20.531	1.003	A	2	A	R
40	T Benzo(g,h,i)perylene	276	21.009	1.026	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

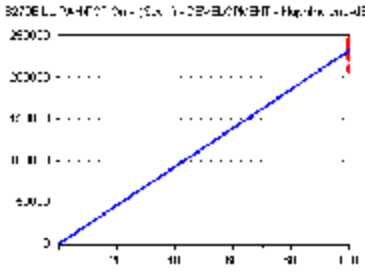
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

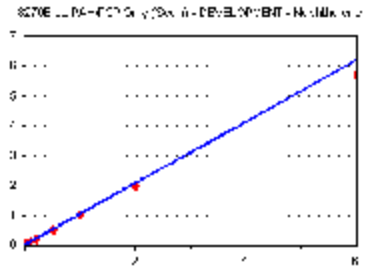


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	209647	2096.470	7.74
0H07053-CAL2	100	224491	2244.910	7.74
0H07053-CAL3	100	226097	2260.970	7.74
0H07053-CAL4	100	228032	2280.320	7.74
0H07053-CAL5	100	239716	2397.160	7.74
0H07053-CAL6	100	236348	2363.480	7.74
0H07053-CAL7	100	239628	2396.280	7.74
0H07053-CAL8	100	243956	2439.560	7.74
0H07053-CAL9	400	17104	171.040	7.74
0H07053-CALA	100	238642	2386.420	7.74

AVE RF 2318.397 RF RSD 4.65 AVE RT 7.74

Naphthalene

Curve Fit: **AVERAGE RF**

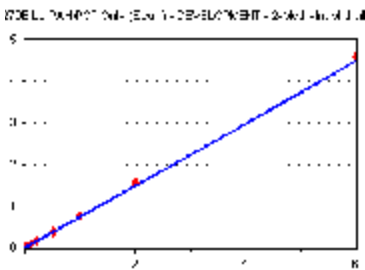


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2500	1.192	7.76
0H07053-CAL2	2	4784	1.066	7.76
0H07053-CAL3	5	11565	1.023	7.76
0H07053-CAL4	10	23497	1.030	7.76
0H07053-CAL5	20	49268	1.028	7.76
0H07053-CAL6	50	118307	1.001	7.76
0H07053-CAL7	100	240756	1.005	7.76
0H07053-CAL8	200	479537	0.983	7.76
0H07053-CAL9	400	70599	4.032	7.76
0H07053-CALA	600	1364884	0.953	7.76

AVE RF 1.031 RF RSD 6.62 AVE RT 7.76

2-Methylnaphthalene

Curve Fit: **AVERAGE RF**

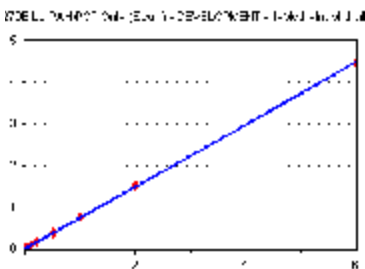


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1415	0.675	8.44
0H07053-CAL2	2	3298	0.735	8.44
0H07053-CAL3	5	8315	0.736	8.44
0H07053-CAL4	10	16041	0.703	8.44
0H07053-CAL5	20	36143	0.754	8.44
0H07053-CAL6	50	92164	0.780	8.44
0H07053-CAL7	100	187483	0.782	8.44
0H07053-CAL8	200	380463	0.780	8.44
0H07053-CAL9	400	37012	0.544	8.44
0H07053-CALA	600	1097533	0.767	8.44

AVE RF 0.746 RF RSD 5.02 AVE RT 8.44

1-Methylnaphthalene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1486	0.709	8.54
0H07053-CAL2	2	3232	0.720	8.54
0H07053-CAL3	5	8413	0.744	8.54
0H07053-CAL4	10	16943	0.743	8.54
0H07053-CAL5	20	36280	0.757	8.54
0H07053-CAL6	50	90899	0.769	8.54
0H07053-CAL7	100	184281	0.769	8.54
0H07053-CAL8	200	372527	0.764	8.54
0H07053-CAL9	400	38595	0.564	8.54
0H07053-CALA	600	1061181	0.741	8.54

AVE RF 0.746 RF RSD 2.84 AVE RT 8.54

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

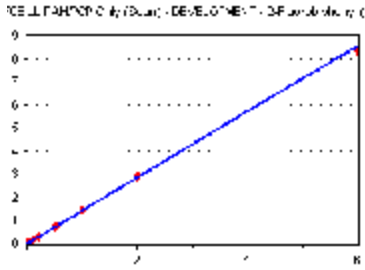
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

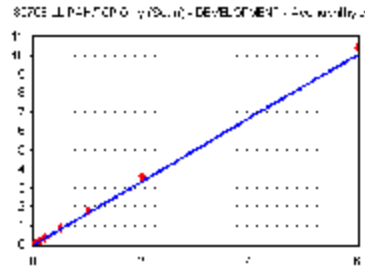


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1868	1.376	8.80
0H07053-CAL2	2	3920	1.393	8.80
0H07053-CAL3	5	10278	1.425	8.80
0H07053-CAL4	10	19786	1.394	8.80
0H07053-CAL5	20	45285	1.460	8.80
0H07053-CAL6	50	117511	1.492	8.80
0H07053-CAL7	100	236184	1.472	8.80
0H07053-CAL8	200	477028	1.467	8.80
0H07053-CAL9	400	33043	1.885	8.80
0H07053-CALA	600	1394405	1.389	8.81

AVE RF 1.430 RF RSD 3.04 AVE RT 8.80

Acenaphthylene

Curve Fit: **AVERAGE RF**

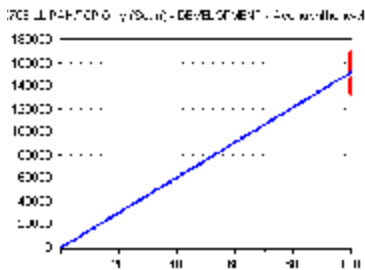


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2000	1.474	9.35
0H07053-CAL2	2	4408	1.566	9.35
0H07053-CAL3	5	11485	1.592	9.35
0H07053-CAL4	10	23907	1.685	9.35
0H07053-CAL5	20	52295	1.686	9.35
0H07053-CAL6	50	138328	1.757	9.35
0H07053-CAL7	100	287639	1.792	9.35
0H07053-CAL8	200	586170	1.803	9.35
0H07053-CAL9	400	32894	1.876	9.35
0H07053-CALA	600	1737176	1.731	9.35

AVE RF 1.676 RF RSD 6.65 AVE RT 9.35

Acenaphthene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

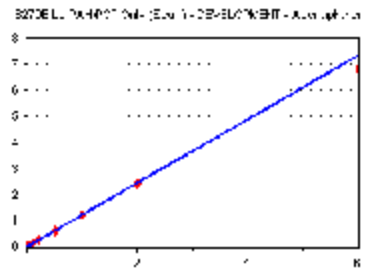


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	135719	1357.190	9.49
0H07053-CAL2	100	140735	1407.350	9.49
0H07053-CAL3	100	144275	1442.750	9.49
0H07053-CAL4	100	141904	1419.040	9.49
0H07053-CAL5	100	155110	1551.100	9.49
0H07053-CAL6	100	157474	1574.740	9.49
0H07053-CAL7	100	160491	1604.910	9.49
0H07053-CAL8	100	162564	1625.640	9.49
0H07053-CAL9	400	4382	43.820	9.49
0H07053-CALA	100	167307	1673.070	9.49

AVE RF 1517.310 RF RSD 7.41 AVE RT 9.49

Acenaphthene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1719	1.267	9.52
0H07053-CAL2	2	3546	1.260	9.52
0H07053-CAL3	5	9131	1.266	9.52
0H07053-CAL4	10	16916	1.192	9.52
0H07053-CAL5	20	38339	1.236	9.52
0H07053-CAL6	50	96981	1.232	9.52
0H07053-CAL7	100	195700	1.219	9.52
0H07053-CAL8	200	393259	1.210	9.52
0H07053-CAL9	400	21612	1.233	9.52
0H07053-CALA	600	1146621	1.142	9.53

AVE RF 1.225 RF RSD 3.29 AVE RT 9.52

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

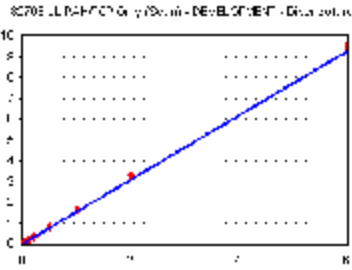
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

Dibenzofuran

Curve Fit: **AVERAGE RF**

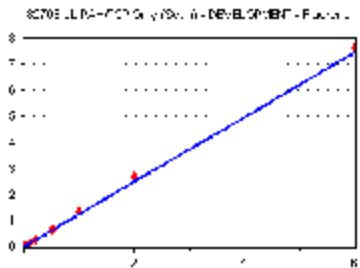


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2029	1.495	9.70
0H07053-CAL2	2	4184	1.486	9.70
0H07053-CAL3	5	10731	1.488	9.70
0H07053-CAL4	10	19825	1.397	9.70
0H07053-CAL5	20	47868	1.543	9.70
0H07053-CAL6	50	125884	1.599	9.70
0H07053-CAL7	100	260342	1.622	9.70
0H07053-CAL8	200	533541	1.641	9.70
0H07053-CAL9	400	20091	1.146	9.70
0H07053-CALA	600	1593927	1.588	9.70

AVE RF 1.540 RF RSD 5.17 AVE RT 9.70

Fluorene

Curve Fit: **AVERAGE RF**

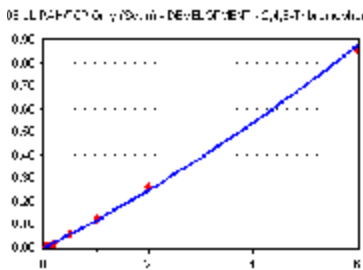


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1639	1.208	10.05
0H07053-CAL2	2	3421	1.215	10.05
0H07053-CAL3	5	8551	1.185	10.05
0H07053-CAL4	10	15667	1.104	10.05
0H07053-CAL5	20	38684	1.247	10.05
0H07053-CAL6	50	102499	1.302	10.05
0H07053-CAL7	100	216422	1.348	10.05
0H07053-CAL8	200	435598	1.340	10.05
0H07053-CAL9	400	44678	0.666	10.05
0H07053-CALA	600	1277182	1.272	10.05

AVE RF 1.247 RF RSD 6.30 AVE RT 10.05

2,4,6-Tribromophenol (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

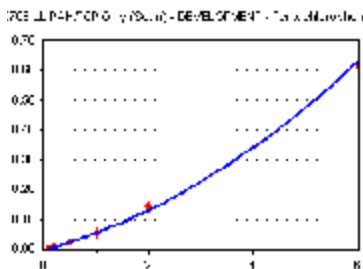


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	4	0	0.000	0.00
0H07053-CAL2	2	534	0.109	10.30
0H07053-CAL3	5	1324	0.107	10.30
0H07053-CAL4	10	1728	7.766	10.30
0H07053-CAL5	20	6085	0.108	10.30
0H07053-CAL6	50	17962	0.120	10.30
0H07053-CAL7	100	39630	0.128	10.29
0H07053-CAL8	200	84601	0.131	10.29
0H07053-CAL9	400	704	7.560	10.29
0H07053-CALA	600	289654	0.142	10.30

AVE RF 0.116 RF RSD 18.22 AVE RT 10.29

Pentachlorophenol (PCP)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	4	350	0.150	10.82
0H07053-CAL2	2	248	5.079	10.82
0H07053-CAL3	5	227	4.832	10.82
0H07053-CAL4	10	188	8.449	10.82
0H07053-CAL5	20	1210	2.147	10.82
0H07053-CAL6	50	6271	4.207	10.82
0H07053-CAL7	100	16208	5.226	10.82
0H07053-CAL8	200	46324	7.185	10.82
0H07053-CAL9	400	0	0.000	0.00
0H07053-CALA	600	209662	0.103	10.82

AVE RF 4.984 RF RSD 68.86 AVE RT 10.82

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

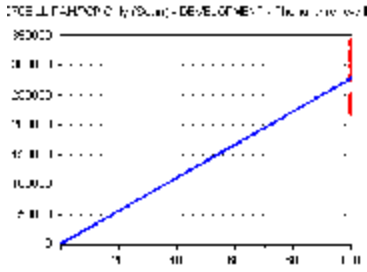
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

Phenanthrene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

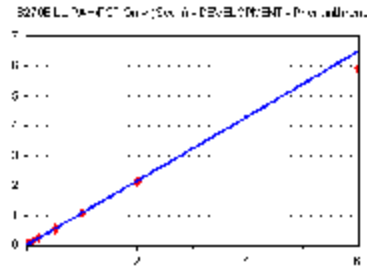


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	232658	2326.580	11.00
0H07053-CAL2	100	244122	2441.220	11.00
0H07053-CAL3	100	247788	2477.880	11.00
0H07053-CAL4	100	222500	2225.000	11.00
0H07053-CAL5	100	281843	2818.430	11.00
0H07053-CAL6	100	298143	2981.430	11.00
0H07053-CAL7	100	310167	3101.670	11.00
0H07053-CAL8	100	322378	3223.780	11.00
0H07053-CAL9	400	2348	23.480	44.00
0H07053-CALA	100	339435	3394.350	11.00

AVE RF 2776.704 RF RSD 15.28 AVE RT 11.00

Phenanthrene

Curve Fit: **AVERAGE RF**

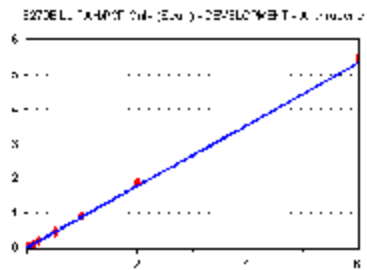


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2780	1.195	11.02
0H07053-CAL2	2	5605	1.148	11.02
0H07053-CAL3	5	13283	1.072	11.02
0H07053-CAL4	10	23609	1.061	11.02
0H07053-CAL5	20	60927	1.081	11.02
0H07053-CAL6	50	160556	1.077	11.02
0H07053-CAL7	100	331692	1.069	11.02
0H07053-CAL8	200	677193	1.050	11.02
0H07053-CAL9	400	9850	4.062	44.02
0H07053-CALA	600	2010051	0.987	11.03

AVE RF 1.082 RF RSD 5.45 AVE RT 11.02

Anthracene

Curve Fit: **AVERAGE RF**

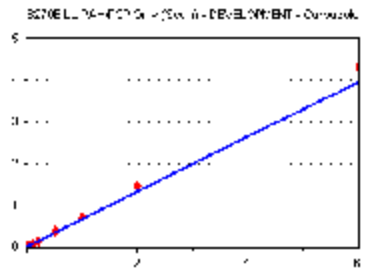


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2020	0.868	11.07
0H07053-CAL2	2	4212	0.863	11.07
0H07053-CAL3	5	10318	0.833	11.07
0H07053-CAL4	10	17244	0.775	11.07
0H07053-CAL5	20	50995	0.905	11.07
0H07053-CAL6	50	139978	0.939	11.07
0H07053-CAL7	100	291014	0.938	11.07
0H07053-CAL8	200	607405	0.942	11.07
0H07053-CAL9	400	7326	0.790	44.07
0H07053-CALA	600	1864915	0.916	11.08

AVE RF 0.886 RF RSD 6.42 AVE RT 11.07

Carbazole

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1385	0.595	11.24
0H07053-CAL2	2	2808	0.575	11.24
0H07053-CAL3	5	7544	0.609	11.24
0H07053-CAL4	10	11174	0.502	11.24
0H07053-CAL5	20	40816	0.724	11.24
0H07053-CAL6	50	113238	0.760	11.24
0H07053-CAL7	100	221628	0.715	11.24
0H07053-CAL8	200	471116	0.731	11.24
0H07053-CAL9	400	4563	0.492	44.24
0H07053-CALA	600	1466993	0.720	11.24

AVE RF 0.659 RF RSD 13.63 AVE RT 11.24

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

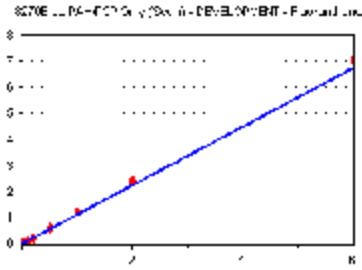
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

Fluoranthene

Curve Fit: **AVERAGE RF**

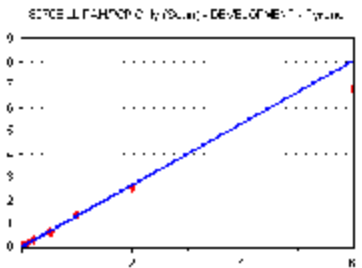


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2457	1.056	12.26
0H07053-CAL2	2	5246	1.074	12.26
0H07053-CAL3	5	13102	1.058	12.26
0H07053-CAL4	10	22749	1.022	12.26
0H07053-CAL5	20	64074	1.137	12.26
0H07053-CAL6	50	174353	1.170	12.26
0H07053-CAL7	100	373192	1.203	12.26
0H07053-CAL8	200	781297	1.212	12.26
0H07053-CAL9	400	7042	0.756	12.26
0H07053-CALA	600	2388152	1.173	12.27

AVE RF 1.123 RF RSD 6.33 AVE RT 12.26

Pyrene

Curve Fit: **AVERAGE RF**

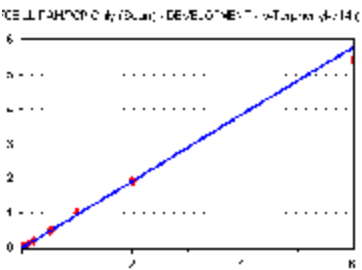


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2393	1.284	12.54
0H07053-CAL2	2	5435	1.285	12.53
0H07053-CAL3	5	13318	1.314	12.54
0H07053-CAL4	10	23593	1.673	12.53
0H07053-CAL5	20	65612	1.366	12.54
0H07053-CAL6	50	179092	1.310	12.53
0H07053-CAL7	100	385194	1.405	12.53
0H07053-CAL8	200	799981	1.278	12.54
0H07053-CAL9	400	6877	4.616	12.53
0H07053-CALA	600	2455254	1.135	12.55

AVE RF 1.339 RF RSD 10.88 AVE RT 12.54

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

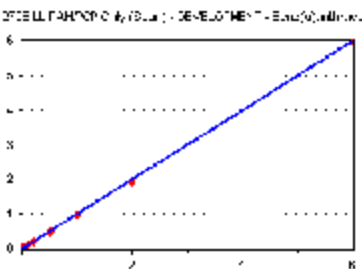


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1766	0.948	12.73
0H07053-CAL2	2	3805	0.900	12.73
0H07053-CAL3	5	9780	0.965	12.73
0H07053-CAL4	10	14134	1.003	12.73
0H07053-CAL5	20	48455	1.009	12.73
0H07053-CAL6	50	134305	0.983	12.73
0H07053-CAL7	100	271448	0.990	12.73
0H07053-CAL8	200	597044	0.954	12.73
0H07053-CAL9	400	5584	4.314	12.73
0H07053-CALA	600	1953505	0.903	12.74

AVE RF 0.961 RF RSD 4.15 AVE RT 12.73

Benz(a)anthracene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2208	1.185	14.61
0H07053-CAL2	2	4545	1.074	14.61
0H07053-CAL3	5	9736	0.961	14.61
0H07053-CAL4	10	13000	0.922	14.61
0H07053-CAL5	20	46250	0.963	14.61
0H07053-CAL6	50	131678	0.964	14.61
0H07053-CAL7	100	263502	0.961	14.61
0H07053-CAL8	200	608983	0.973	14.62
0H07053-CAL9	400	4463	4.049	14.61
0H07053-CALA	600	2152328	0.995	14.63

AVE RF 1.000 RF RSD 8.09 AVE RT 14.61

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

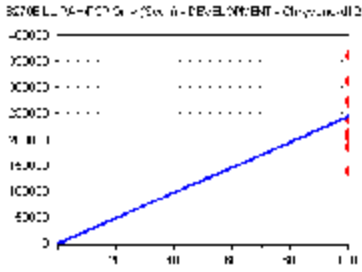
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

Chrysene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

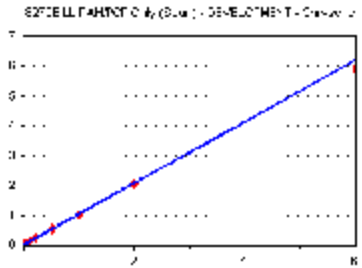


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	186345	1863.450	14.63
0H07053-CAL2	100	211495	2114.950	14.63
0H07053-CAL3	100	202721	2027.210	14.63
0H07053-CAL4	100	140980	1409.800	14.63
0H07053-CAL5	100	240100	2401.000	14.63
0H07053-CAL6	100	273325	2733.250	14.63
0H07053-CAL7	100	274150	2741.500	14.63
0H07053-CAL8	100	313061	3130.610	14.64
0H07053-CAL9	400	4064	40.640	14.63
0H07053-CALA	100	360560	3605.600	14.65

AVE RF 2447.486 RF RSD 27.72 AVE RT 14.63

Chrysene

Curve Fit: **AVERAGE RF**

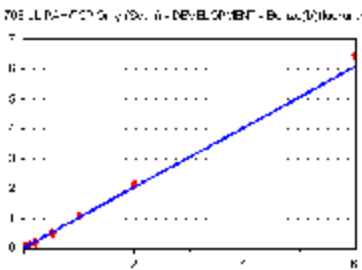


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1956	1.050	14.69
0H07053-CAL2	2	4447	1.051	14.69
0H07053-CAL3	5	10771	1.063	14.69
0H07053-CAL4	10	14280	1.013	14.69
0H07053-CAL5	20	50228	1.046	14.69
0H07053-CAL6	50	141380	1.035	14.69
0H07053-CAL7	100	284963	1.039	14.69
0H07053-CAL8	200	636457	1.017	14.70
0H07053-CAL9	400	5042	4.178	14.69
0H07053-CALA	600	2128504	0.984	14.71

AVE RF 1.033 RF RSD 2.37 AVE RT 14.69

Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

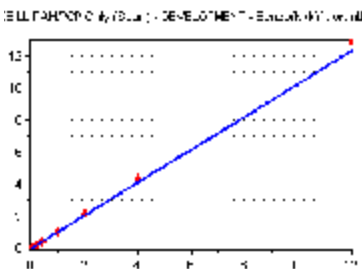


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1669	1.008	17.17
0H07053-CAL2	2	3889	1.004	17.17
0H07053-CAL3	5	8519	0.923	17.17
0H07053-CAL4	10	12095	0.982	17.17
0H07053-CAL5	20	44053	1.013	17.17
0H07053-CAL6	50	128755	1.015	17.17
0H07053-CAL7	100	256455	1.048	17.18
0H07053-CAL8	200	597527	1.054	17.19
0H07053-CAL9	400	4589	4.236	17.17
0H07053-CALA	600	2203761	1.078	17.20

AVE RF 1.014 RF RSD 4.44 AVE RT 17.18

Benzo(b+k)fluoranthene(s)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	2	3202	0.967	17.17
0H07053-CAL2	4	7739	0.999	17.17
0H07053-CAL3	10	18121	0.982	17.24
0H07053-CAL4	20	24984	1.015	17.24
0H07053-CAL5	40	89892	1.033	17.17
0H07053-CAL6	100	266585	1.051	17.24
0H07053-CAL7	200	524339	1.072	17.24
0H07053-CAL8	400	1231095	1.085	17.25
0H07053-CAL9	800	9502	4.280	17.17
0H07053-CALA	1200	4430224	1.083	17.27

AVE RF 1.032 RF RSD 4.27 AVE RT 17.22

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

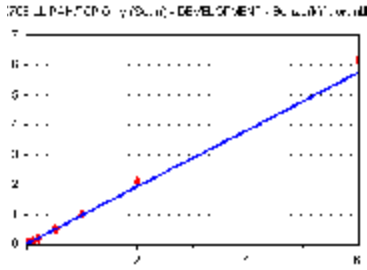
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

Benzo(k)fluoranthene

Curve Fit: **AVERAGE RF**

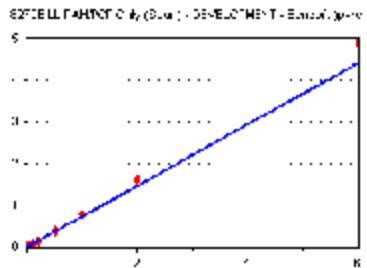


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1533	0.926	17.24
0H07053-CAL2	2	3308	0.854	17.24
0H07053-CAL3	5	8476	0.918	17.24
0H07053-CAL4	10	11317	0.919	17.24
0H07053-CAL5	20	40858	0.939	17.24
0H07053-CAL6	50	124775	0.984	17.24
0H07053-CAL7	100	245178	1.002	17.24
0H07053-CAL8	200	589910	1.040	17.25
0H07053-CAL9	400	4168	1.123	17.24
0H07053-CALA	600	2097578	1.026	17.27

AVE RF 0.957 RF RSD 6.31 AVE RT 17.24

Benzo(a)pyrene

Curve Fit: **AVERAGE RF**

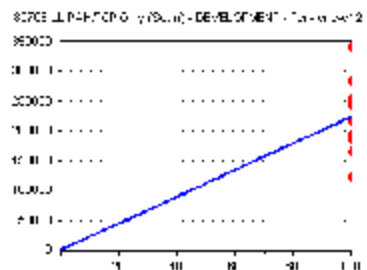


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1248	0.754	17.94
0H07053-CAL2	2	2639	0.681	17.94
0H07053-CAL3	5	5991	0.649	17.94
0H07053-CAL4	10	8146	0.662	17.94
0H07053-CAL5	20	31202	0.717	17.94
0H07053-CAL6	50	95892	0.756	17.94
0H07053-CAL7	100	190371	0.778	17.95
0H07053-CAL8	200	456627	0.805	17.95
0H07053-CAL9	400	2895	0.780	17.94
0H07053-CALA	600	1663091	0.813	17.97

AVE RF 0.735 RF RSD 8.29 AVE RT 17.95

Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

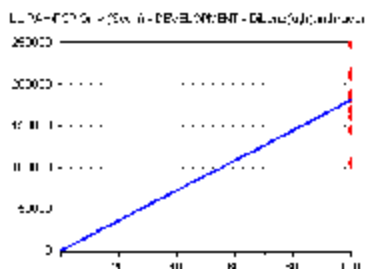


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	165499	1654.990	18.08
0H07053-CAL2	100	193636	1936.360	18.08
0H07053-CAL3	100	184622	1846.220	18.08
0H07053-CAL4	100	123119	1231.190	18.08
0H07053-CAL5	100	217457	2174.570	18.08
0H07053-CAL6	100	253628	2536.280	18.08
0H07053-CAL7	100	244609	2446.090	18.08
0H07053-CAL8	100	283565	2835.650	18.09
0H07053-CAL9	400	928	9.280	18.08
0H07053-CALA	100	340814	3408.140	18.10

AVE RF 2229.943 RF RSD 29.49 AVE RT 18.08

Dibenz(a,h)anthracene-d14 (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	145171	1451.710	20.46
0H07053-CAL2	100	168561	1685.610	20.46
0H07053-CAL3	100	160255	1602.550	20.46
0H07053-CAL4	100	105945	1059.450	20.46
0H07053-CAL5	100	184403	1844.030	20.46
0H07053-CAL6	100	213890	2138.900	20.47
0H07053-CAL7	100	188292	1882.920	20.47
0H07053-CAL8	100	210998	2109.980	20.47
0H07053-CAL9	400	858	8.580	20.46
0H07053-CALA	100	249015	2490.150	20.49

AVE RF 1807.256 RF RSD 23.29 AVE RT 20.47

Element Calibration Review Sheet

Calibration ID: **A0H1005**

Instrument: **SV-GCMS14**

Calibration Date:

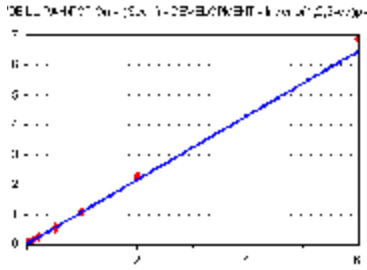
08/10/2020

Analysis: **8270E LL PAH/PCP Only (Sc**

Instrument Cal ID: **A0H1005**

Indeno(1,2,3-cd)pyrene

Curve Fit: **AVERAGE RF**

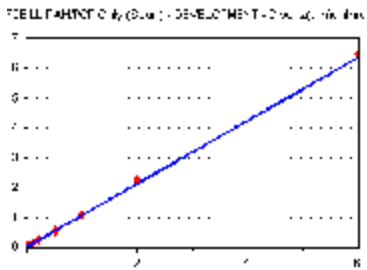


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1534	1.057	20.47
0H07053-CAL2	2	3539	1.050	20.47
0H07053-CAL3	5	8352	1.042	20.47
0H07053-CAL4	10	11197	1.057	20.47
0H07053-CAL5	20	38988	1.057	20.47
0H07053-CAL6	50	112418	1.051	20.47
0H07053-CAL7	100	206306	1.096	20.48
0H07053-CAL8	200	476115	1.128	20.48
0H07053-CAL9	400	3761	1.096	20.47
0H07053-CALA	600	1715742	1.148	20.51

AVE RF 1.076 RF RSD 3.58 AVE RT 20.48

Dibenz(a,h)anthracene

Curve Fit: **AVERAGE RF**

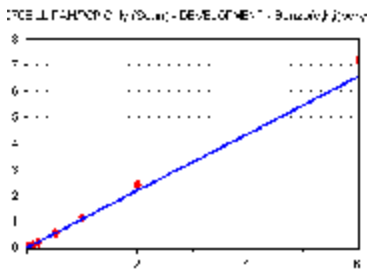


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1542	1.062	20.53
0H07053-CAL2	2	3567	1.058	20.53
0H07053-CAL3	5	8113	1.013	20.53
0H07053-CAL4	10	10692	1.009	20.53
0H07053-CAL5	20	38552	1.045	20.53
0H07053-CAL6	50	109524	1.024	20.53
0H07053-CAL7	100	209030	1.110	20.54
0H07053-CAL8	200	473722	1.123	20.54
0H07053-CAL9	400	4242	1.227	20.53
0H07053-CALA	600	1613131	1.080	20.56

AVE RF 1.058 RF RSD 3.83 AVE RT 20.54

Benzo(g,h,i)perylene

Curve Fit: **AVERAGE RF**

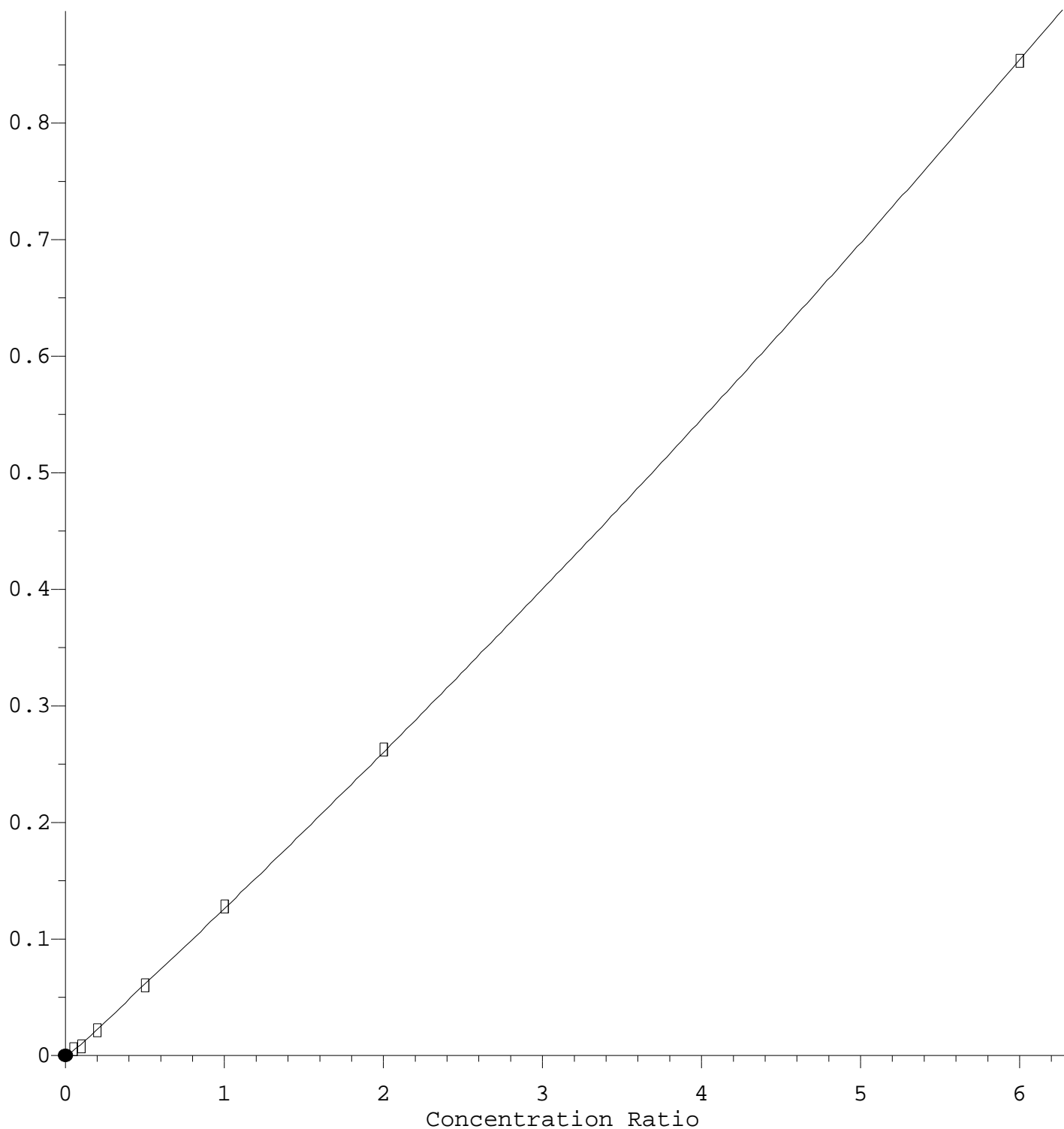


Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1456	1.003	21.00
0H07053-CAL2	2	3455	1.025	21.00
0H07053-CAL3	5	8033	1.003	21.00
0H07053-CAL4	10	11076	1.045	21.00
0H07053-CAL5	20	39660	1.075	21.00
0H07053-CAL6	50	118269	1.106	21.01
0H07053-CAL7	100	220629	1.172	21.01
0H07053-CAL8	200	511963	1.213	21.02
0H07053-CAL9	400	4287	1.249	21.04
0H07053-CALA	600	1802480	1.206	21.04

AVE RF 1.094 RF RSD 7.73 AVE RT 21.01

2,4,6-Tribromophenol (Surr)

Response Ratio



$R = 2.86e-003 A^2 + 1.26e-001 A - 2.41e-003$

Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)

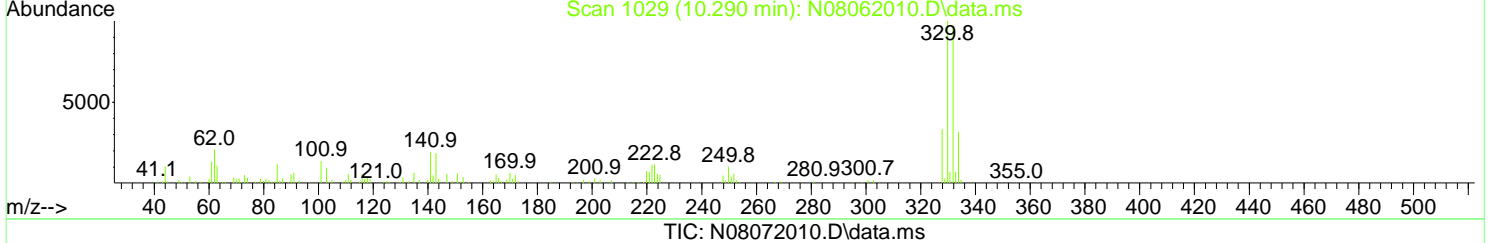
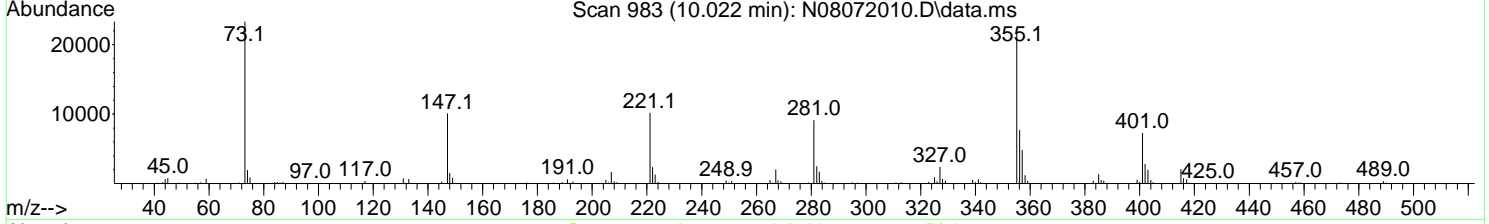
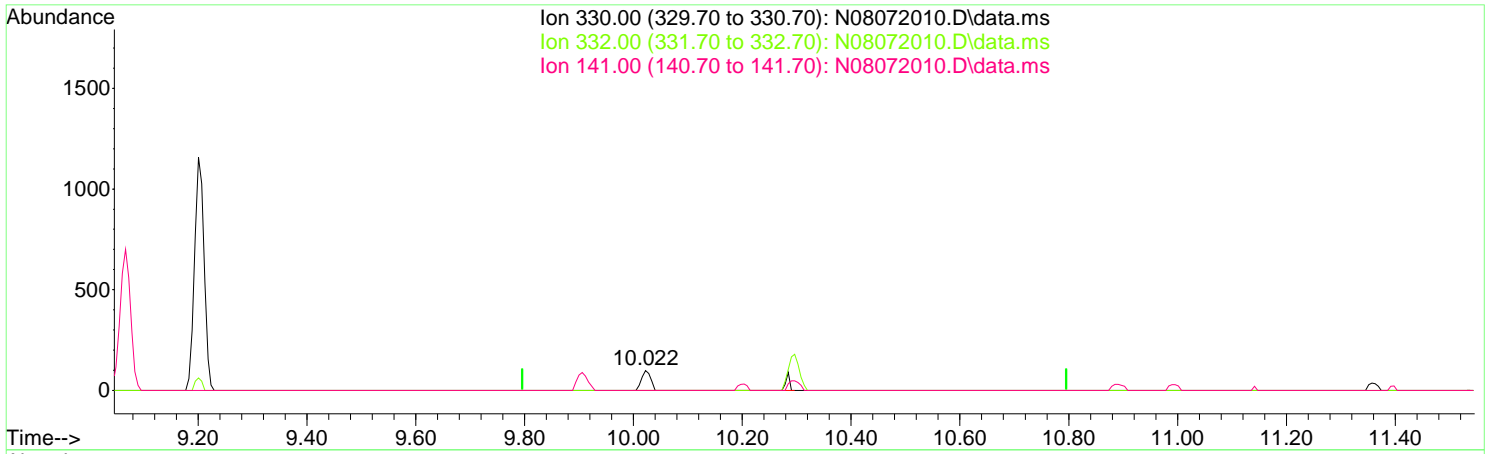
Method Name: M:\methods\SV14_080720.M

Calibration Table Last Updated: Mon Aug 10 09:29:52 2020

Quantitation Report (Qedit)

Data Path : M:\data\2020-08\0H07053\REQUANT\
 Data File : N08072010.D
 Acq On : 07 Aug 2020 04:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL1
 Misc : 1x, A20H127@1PPB
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 12:57:45 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

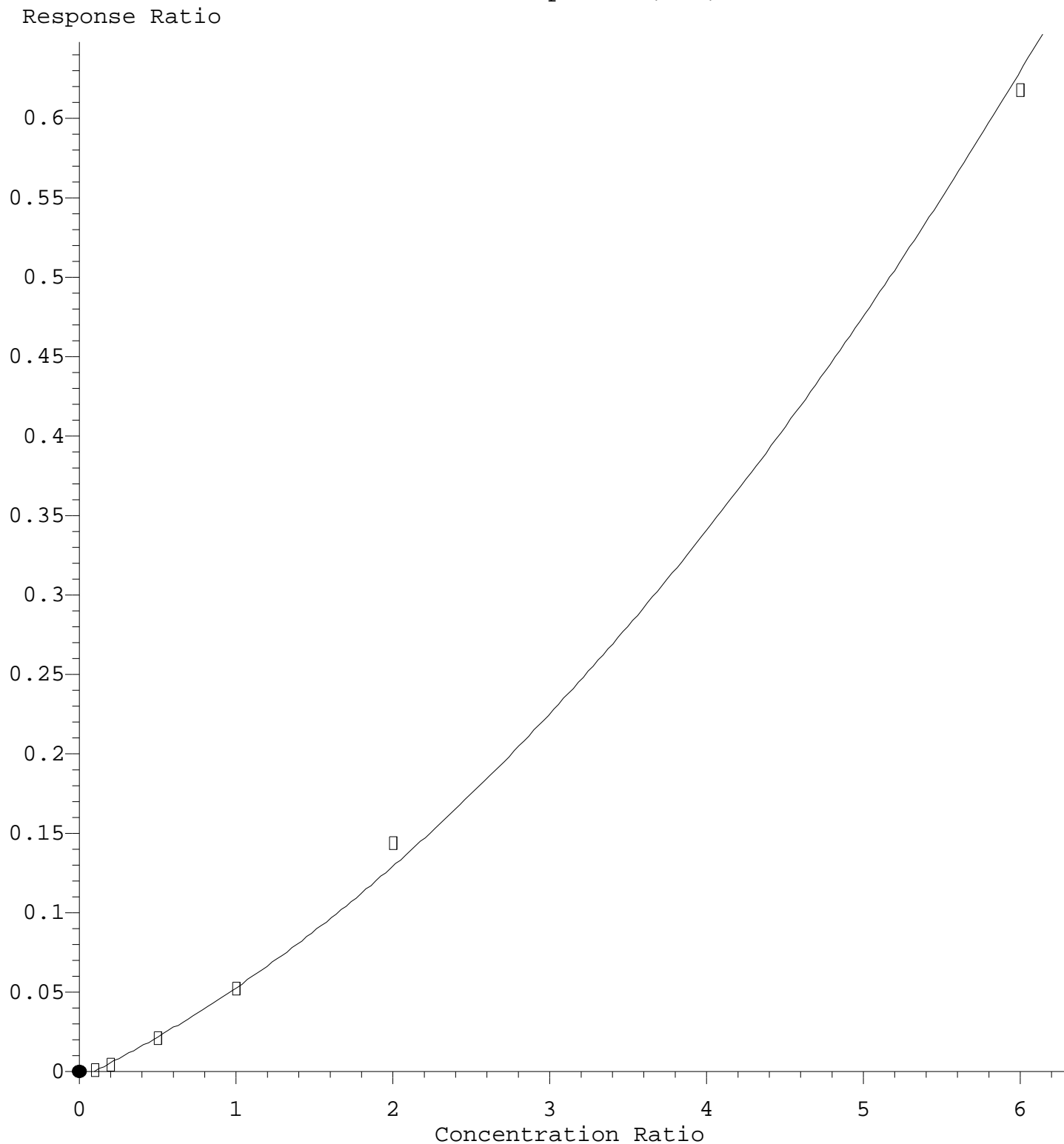


TIC: N08072010.D\data.ms

```

(17) 2,4,6-Tribromophenol (Surr) (S)
10.022min (-0.274) 2.45 ng/ml m
response 155
  Ion      Exp%    Act%
 330.00   100.00  100.00
 332.00    99.00   0.00#
 141.00    30.00   0.00
  0.00     0.00   0.00
    
```

Pentachlorophenol (PCP)



$R = 9.72e-003 A^2 + 4.74e-002 A - 4.31e-003$

Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)

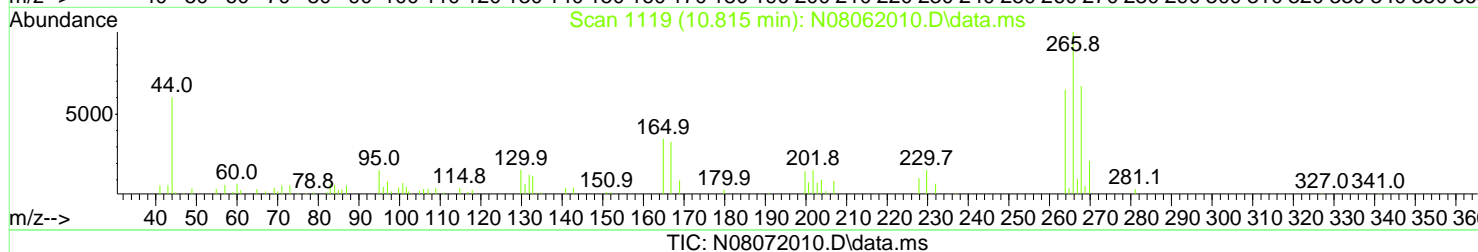
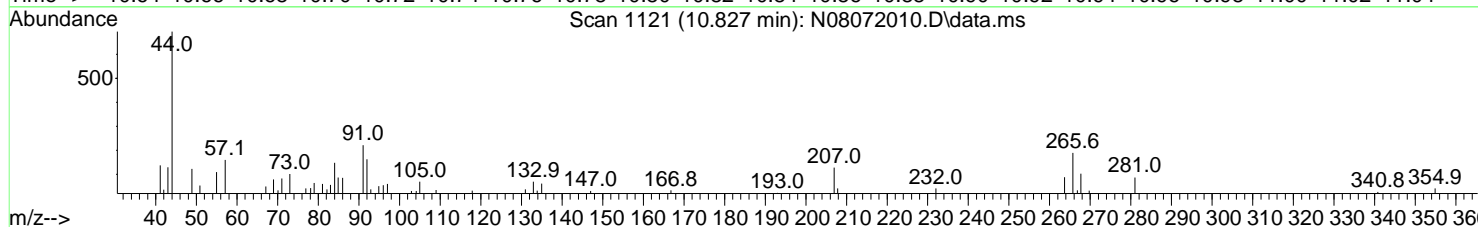
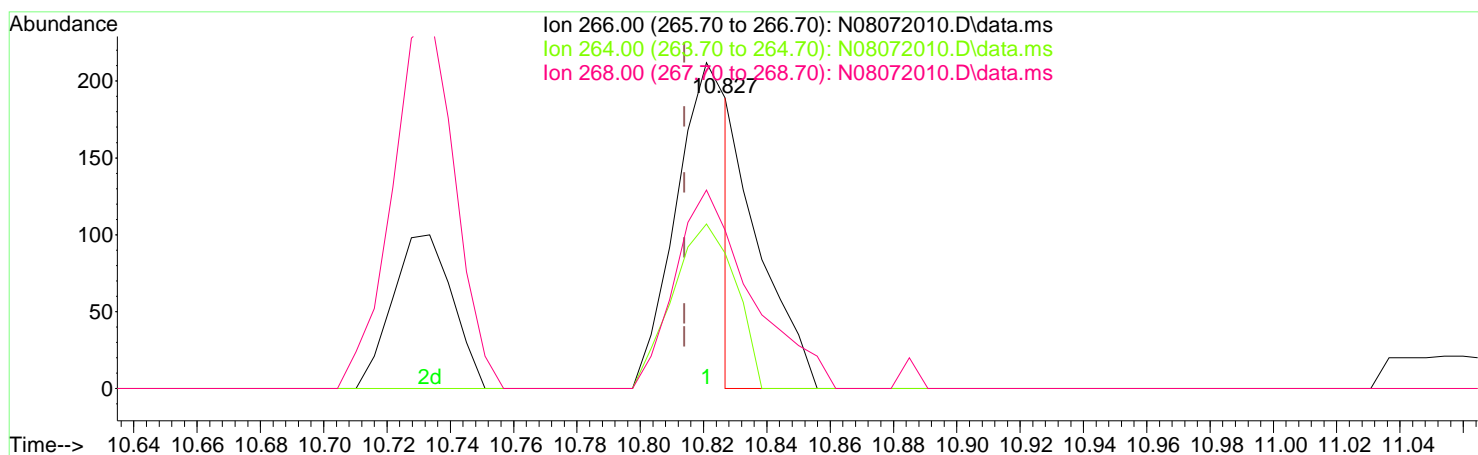
Method Name: M:\methods\SV14_080720.M

Calibration Table Last Updated: Mon Aug 10 09:29:52 2020

Quantitation Report (Qedit)

Data Path : M:\data\2020-08\0H07053\REQUANT\
 Data File : N08072010.D
 Acq On : 07 Aug 2020 04:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL1
 Misc : 1x, A20H127@1PPB
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 12:57:45 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



(18) Pentachlorophenol (PCP) (T)

10.827min (+ 0.013) 9.86 ng/ml m

response 107

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	63.00	46.56
268.00	64.00	54.50
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0H07053

Analysis Included

8270E LL PAH/PCP Only (Scan) - DEVELOPMENT

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0H07053-TUN1	MS Tune	Soil	A20H065	A20G263	8/7/2020 3:49:00PM
0H07053-ICB1	Initial Cal Blank	Soil		A20G263	8/7/2020 4:17:00PM
0H07053-CAL1	Cal Standard	Soil	A20H127	"	8/7/2020 4:50:00PM
0H07053-CAL2	Cal Standard	Soil	A20H128	"	8/7/2020 5:23:00PM
0H07053-CAL3	Cal Standard	Soil	A20H129	"	8/7/2020 5:56:00PM
0H07053-CAL4	Cal Standard	Soil	A20H130	"	8/7/2020 6:29:00PM
0H07053-CAL5	Cal Standard	Soil	A20H131	"	8/7/2020 7:02:00PM
0H07053-CAL6	Cal Standard	Soil	A20H132	"	8/7/2020 7:35:00PM
0H07053-CAL7	Cal Standard	Soil	A20H133	"	8/7/2020 8:07:00PM
0H07053-CAL8	Cal Standard	Soil	A20H134	"	8/7/2020 8:40:00PM
0H07053-CAL9	Cal Standard	Soil	A20H135	"	8/7/2020 9:12:00PM
0H07053-CALA	Cal Standard	Soil	A20H136	"	8/7/2020 9:45:00PM
0H07053-ICV1	Initial Cal Check	Soil	A20H138	"	8/7/2020 11:23:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: A0H1005

Instrument: SV-GCMS14

8270E LL PAH/PCP Only (Sca

Sequence: 0H07053

Matrix: Soil

	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0H07053-CAL1					
0H07053-CAL2					
0H07053-CAL3					
0H07053-CAL4					
0H07053-CAL5					
0H07053-CAL6					
0H07053-CAL7					
0H07053-CAL8					
0H07053-CAL9					
Fluoranthene	10.0000	269.44	400	67	Misinjection.
Fluorene	10.0000	213.74	400	53	Point not
Pentachlorophenol (PCP)	100.0000	8.93	400	2	included.
0H07053-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0H07053

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: **A0H1005**

Instrument: **SV-GCMS14**

8270E LL PAH/PCP Only (Scz

Sequence: **0H07053**

Matrix: **Soil**

0H07053-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 : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 13:00:22 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	108	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	47.127	5.7	102	0.00
3 T	Decalin	50.000	43.576	12.8	106	0.00
4 T	Naphthalene	50.000	48.281	3.4	108	0.00
5 T	2-Methylnaphthalene	50.000	50.681	-1.4	105	0.00
6 T	1-Methylnaphthalene	50.000	50.028	-0.1	105	0.00
7 T	1,1'-Biphenyl	50.000	48.208	3.6	102	0.00
8 T	2,6-Dimethylnaphthalene	50.000	48.235	3.5	100	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	104	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	50.247	-0.5	100	0.00
11 T	Acenaphthylene	50.000	52.097	-4.2	104	0.00
12 T	Acenaphthene	50.000	49.583	0.8	103	0.00
13 T	Dibenzofuran	50.000	49.295	1.4	99	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	48.012	4.0	97	0.00
15 T	Fluorene	50.000	50.676	-1.4	101	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	104	0.00
17 S	2,4,6-Tribromophenol (Surr)	50.000	43.379	13.2	91	0.00
18 T	Pentachlorophenol (PCP)	50.000	42.038	15.9	86	0.00
19 T	Dibenzothiopene	50.000	47.268	5.5	97	0.00
20 T	Phenanthrene	50.000	49.220	1.6	103	0.00
21 T	Anthracene	50.000	52.836	-5.7	104	0.00
22 T	Carbazole	50.000	54.947	-9.9	99	0.00
23 T	1-Methylphenanthrene	50.000	50.291	-0.6	100	0.00
24 T	Fluoranthene	50.000	52.978	-6.0	106	0.00
25 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	102	0.00
26 T	Pyrene	50.000	51.172	-2.3	106	0.00
27 S	Terphenyl-d14 (Surr)	50.000	50.301	-0.6	100	0.00
28 T	Benz(a)anthracene	50.000	45.988	8.0	97	0.00
29 T	Chrysene	50.000	48.870	2.3	99	0.00

Evaluate Continuing Calibration Report

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 13:00:22 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
30 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	99	0.00
31 T	Benzo(b)fluoranthene	50.000	49.217	1.6	97	0.00
32 T	Benzo(k)fluoranthene	50.000	50.597	-1.2	97	0.00
33 T	Benzo(b+k)fluoranthene	100.000	100.350	-0.3	97	-0.06
34 T	Benzo(e)pyrene	50.000	48.283	3.4	95	0.00
35 T	Benzo(a)pyrene	50.000	56.591	-13.2	108	0.00
36 T	Perylene	50.000	48.448	3.1	94	0.00
37 I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	93	0.00
38 T	Indeno(1,2,3-cd)Pyrene	50.000	46.572	6.9	89	0.00
39 T	Dibenz(a,h)anthracene	50.000	49.152	1.7	94	0.00
40 T	Benzo(g,h,i)perylene	50.000	51.184	-2.4	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072008.D
 Acq On : 07 Aug 2020 03:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-TUN1
 Misc : 1x, A20H065 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:11:05 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Fri Aug 07 10:05:11 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

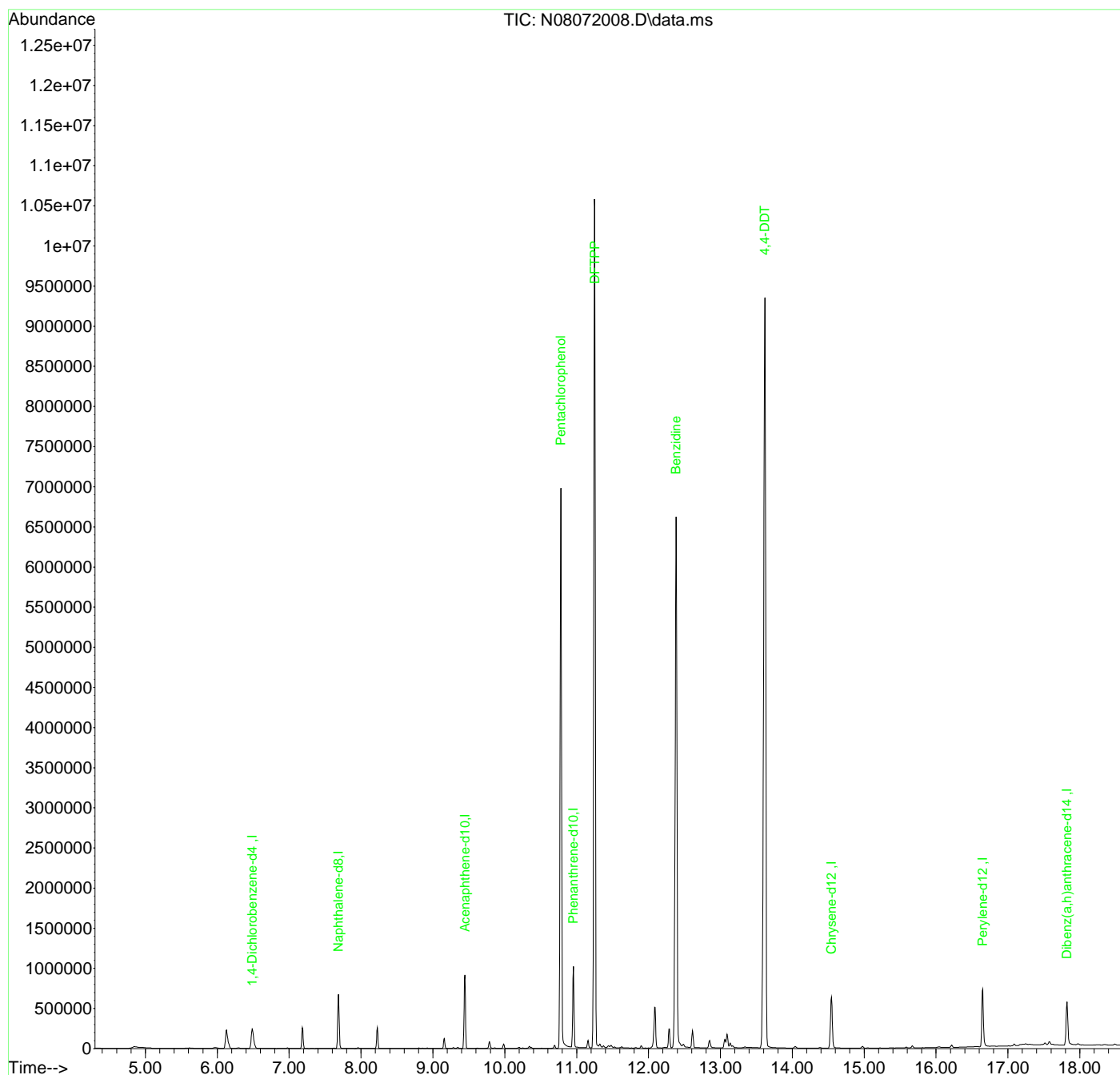
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.484	150	163773	2.00	ug/mL	0.00
2) Naphthalene-d8	7.685	136	475496	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.445	162	281036	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.955	188	535972	2.00	ug/mL	0.00
11) Chrysene-d12	14.545	240	459393	2.00	ug/mL	0.00
12) Perylene-d12	16.649	264	434984	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	17.821	292	405964	2.00	ug/mL	# 0.00
Target Compounds						Qvalue
4) Pentachlorophenol	10.780	266	1448817	54.59	ug/mL	78
6) DFTPP	11.252	442	2832049	65.45	ug/mL#	59
7) Benzidine	12.383	184	5105310	26.78	ug/mL	96
8) 4,4-DDE	12.610	TIC	300849	No Calib		
9) 4,4-DDD	13.094	TIC	224952	No Calib		
10) 4,4-DDT	13.618	TIC	18783119	34.17	ug/mL	93

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072008.D
Acq On : 07 Aug 2020 03:49 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-TUN1
Misc : 1x, A20H065 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 10 09:11:05 2020
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Fri Aug 07 10:05:11 2020
Response via : Initial Calibration

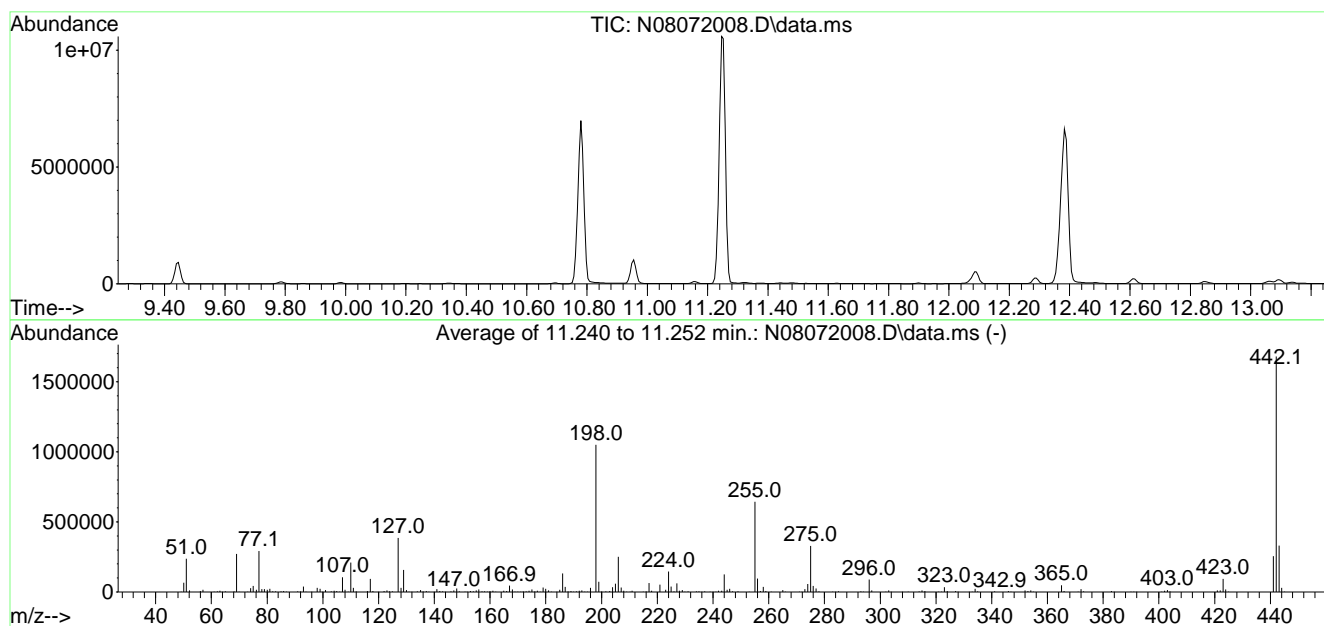


Data Path : M:\data\2020-08\0H07053\
 Data File : N08072008.D
 Acq On : 07 Aug 2020 03:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-TUN1
 Misc : 1x, A20H065 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

JK 8/10/20

Integration File: rteint.p

Method : M:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Fri Aug 07 10:05:11 2020



AutoFind: Scans 1192, 1193, 1194; Background Corrected with Scan 1186

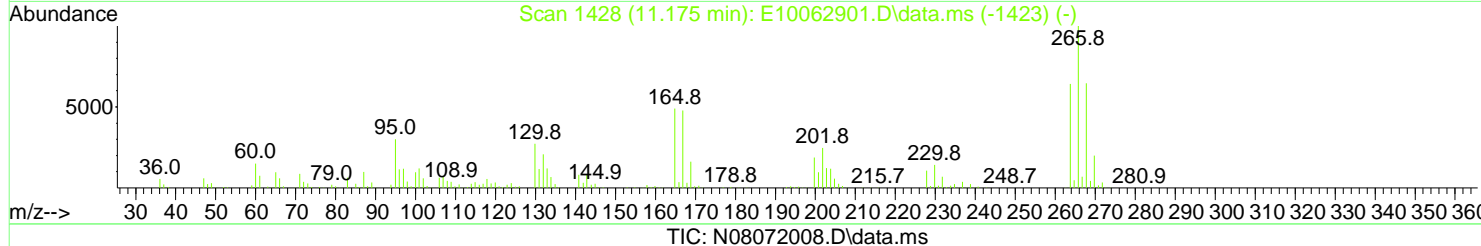
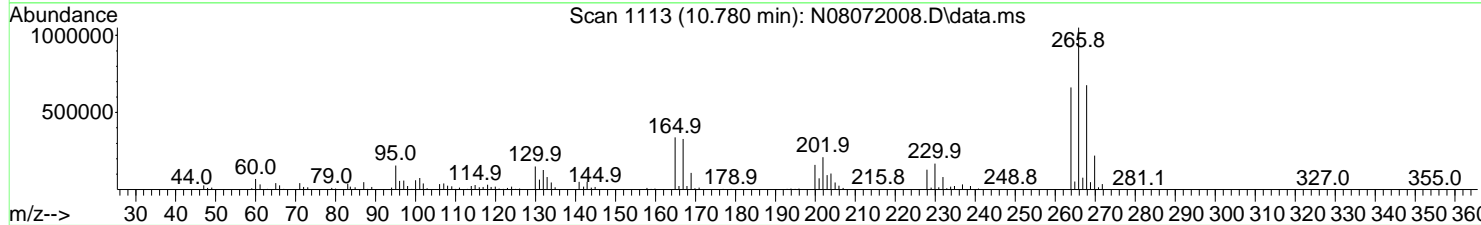
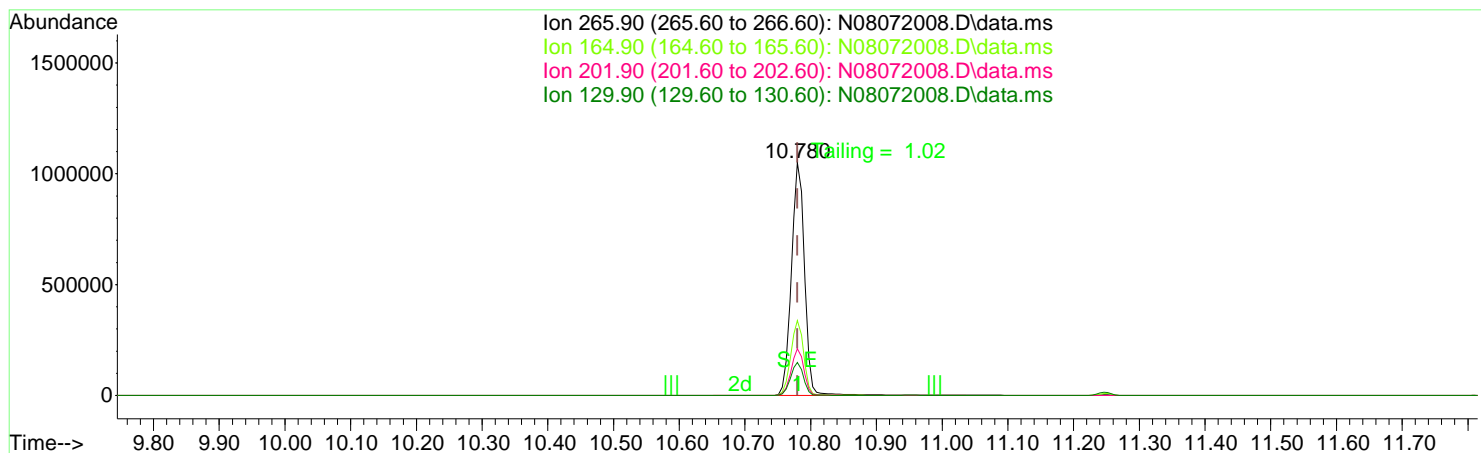
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	5279	PASS
69	69	100	100	100.0	272328	PASS
70	69	0.00	2	0.5	1310	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1049408	PASS
199	198	5	9	6.9	72101	PASS
365	198	1	100	4.5	46976	PASS
441	443	0.01	150	77.1	255680	PASS
442	198	0.10	200	160.2	1680896	PASS
443	442	15	24	19.7	331605	PASS

Quantitation Report (Qedit)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072008.D
 Acq On : 07 Aug 2020 03:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-TUN1
 Misc : 1x, A20H065 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:11:05 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Fri Aug 07 10:05:11 2020
 Response via : Initial Calibration



(4) Pentachlorophenol
 10.780min (-0.000) 54.59 ug/mL
 response 1448817

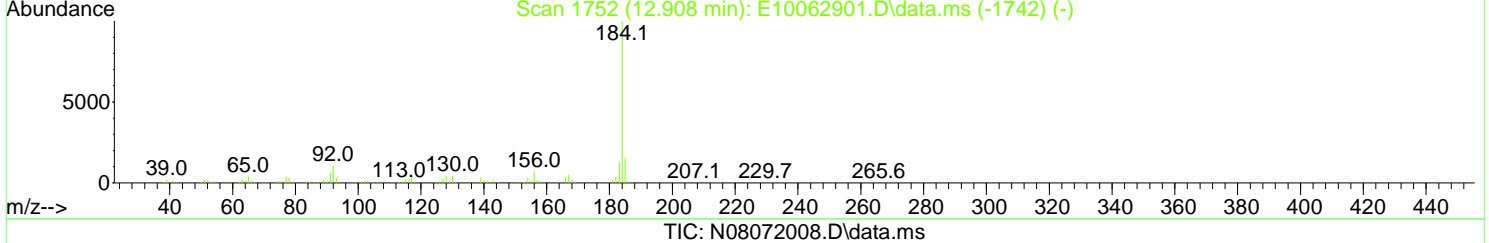
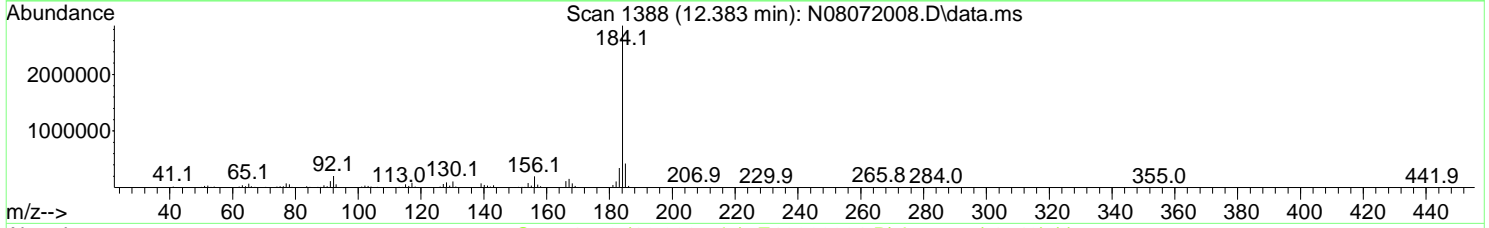
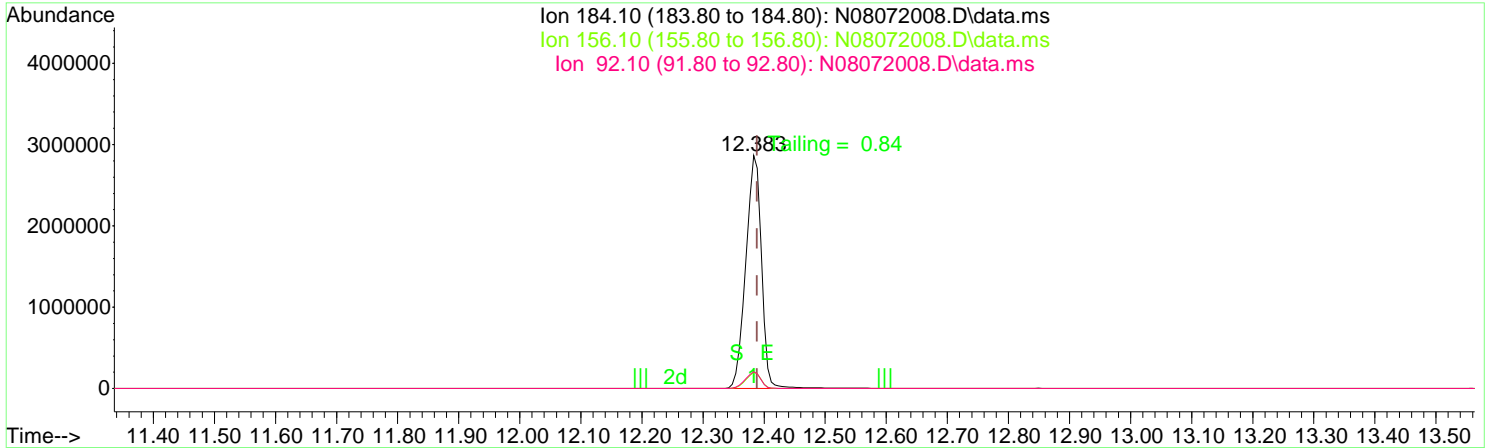
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	32.20
201.90	25.80	20.03
129.90	27.30	14.24

Quantitation Report (Qedit)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072008.D
 Acq On : 07 Aug 2020 03:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-TUN1
 Misc : 1x, A20H065 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 10 09:11:05 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Fri Aug 07 10:05:11 2020
 Response via : Initial Calibration

JK 8/10/20



TIC: N08072008.D\data.ms

(7) Benzidine

12.383min (-0.006) 26.78 ug/mL

response 5105310

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.84
92.10	8.20	7.13
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:
OH07053-TUN1
SV-GCMS14

JKB/10/20

First Column Area Counts	Percent Breakdown	
DDE	300849	
DDD	224952	
DDT	18783119	2.72 PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072009.D
 Acq On : 07 Aug 2020 04:17 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:16:01 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.738	136	228242	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	148452	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	270088	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.627	240	219016	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	194197	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	172516	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.032	82	68	0.11	ng/ml	-0.02	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml		
27) Terphenyl-d14 (Surr)	12.727	244	58	0.03	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.767	128	846		N.D.		
5) 2-Methylnaphthalene	0.000		0		N.D.		
6) 1-Methylnaphthalene	8.542	142	59		N.D.		
7) 1,1'-Biphenyl	8.909	154	411		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
11) Acenaphthylene	9.346	152	91		N.D.		
12) Acenaphthene	0.000		0		N.D.		
13) Dibenzofuran	9.696	168	116		N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.		
15) Fluorene	10.046	166	67		N.D.		
18) Pentachlorophenol (PCP)	10.815	266	1622	31.24	ng/ml		95
19) Dibenzothiopene	10.891	184	158		N.D.		
20) Phenanthrene	11.019	178	375		N.D.		
21) Anthracene	11.066	178	58		N.D.		
22) Carbazole	11.241	167	119		N.D.		
23) 1-Methylphenanthrene	0.000		0		N.D.		
24) Fluoranthene	12.266	202	92		N.D.		
26) Pyrene	12.535	202	69		N.D.		
28) Benz(a)anthracene	14.627	228	552		N.D.		
29) Chrysene	14.627	228	542		N.D.		
31) Benzo(b)fluoranthene	0.000		0		N.D.		

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072009.D
 Acq On : 07 Aug 2020 04:17 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 09:16:01 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

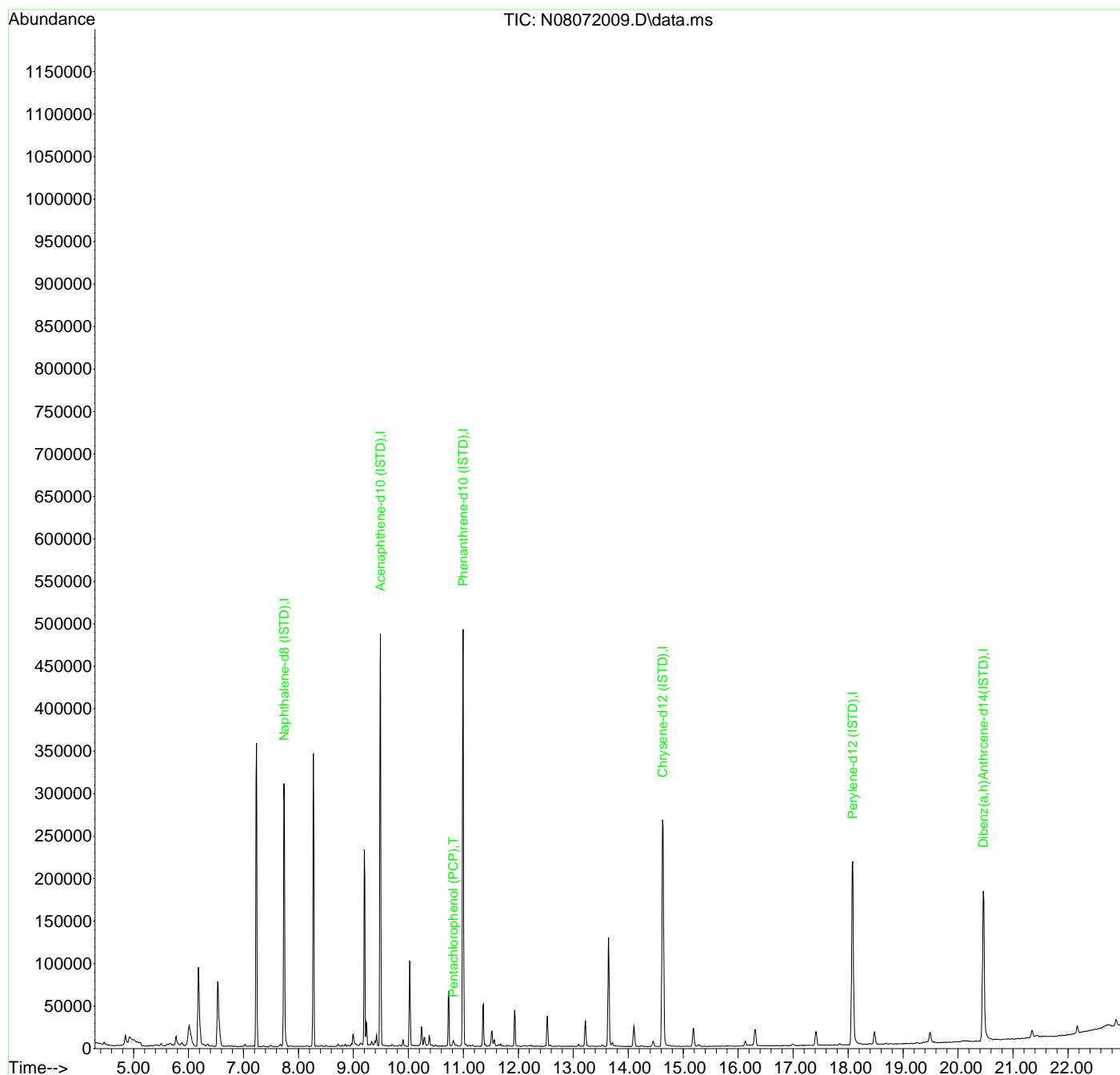
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	0.000		0	N.D.		
33) Benzo(b+k)fluoranthene	0.000		0	N.D.		
34) Benzo(e)pyrene	18.083	252	583	N.D.		
35) Benzo(a)pyrene	0.000		0	N.D.		
36) Perylene	18.124	252	53	N.D.		
38) Indeno(1,2,3-cd)Pyrene	20.467	276	121	N.D.		
39) Dibenz(a,h)anthracene	20.531	278	111	N.D.		
40) Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 09:16:01 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072009.D
 Acq On : 07 Aug 2020 04:17 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

JK 8/10/20

Final Requant

Quant Time: Aug 10 13:00:09 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.738	136	228242	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	148452	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	270088	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.627	240	219016	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	194197	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	172516	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.032	82	68	0.11	ng/ml	-0.02	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml		
27) Terphenyl-d14 (Surr)	12.727	244	58	0.03	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.767	128	846		N.D.		
5) 2-Methylnaphthalene	0.000		0		N.D.		
6) 1-Methylnaphthalene	8.542	142	59		N.D.		
7) 1,1'-Biphenyl	8.909	154	411		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
11) Acenaphthylene	9.346	152	91		N.D.		
12) Acenaphthene	0.000		0		N.D.		
13) Dibenzofuran	9.696	168	116		N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.		
15) Fluorene	10.046	166	67		N.D.		
18) Pentachlorophenol (PCP)	10.815	266	1622	20.88	ng/ml		95
19) Dibenzothiopene	10.891	184	158		N.D.		
20) Phenanthrene	11.019	178	375		N.D.		
21) Anthracene	11.066	178	58		N.D.		
22) Carbazole	11.241	167	119		N.D.		
23) 1-Methylphenanthrene	0.000		0		N.D.		
24) Fluoranthene	12.266	202	92		N.D.		
26) Pyrene	12.535	202	69		N.D.		
28) Benz(a)anthracene	14.627	228	552		N.D.		
29) Chrysene	14.627	228	542		N.D.		
31) Benzo(b)fluoranthene	0.000		0		N.D.		

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072009.D
 Acq On : 07 Aug 2020 04:17 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 13:00:09 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

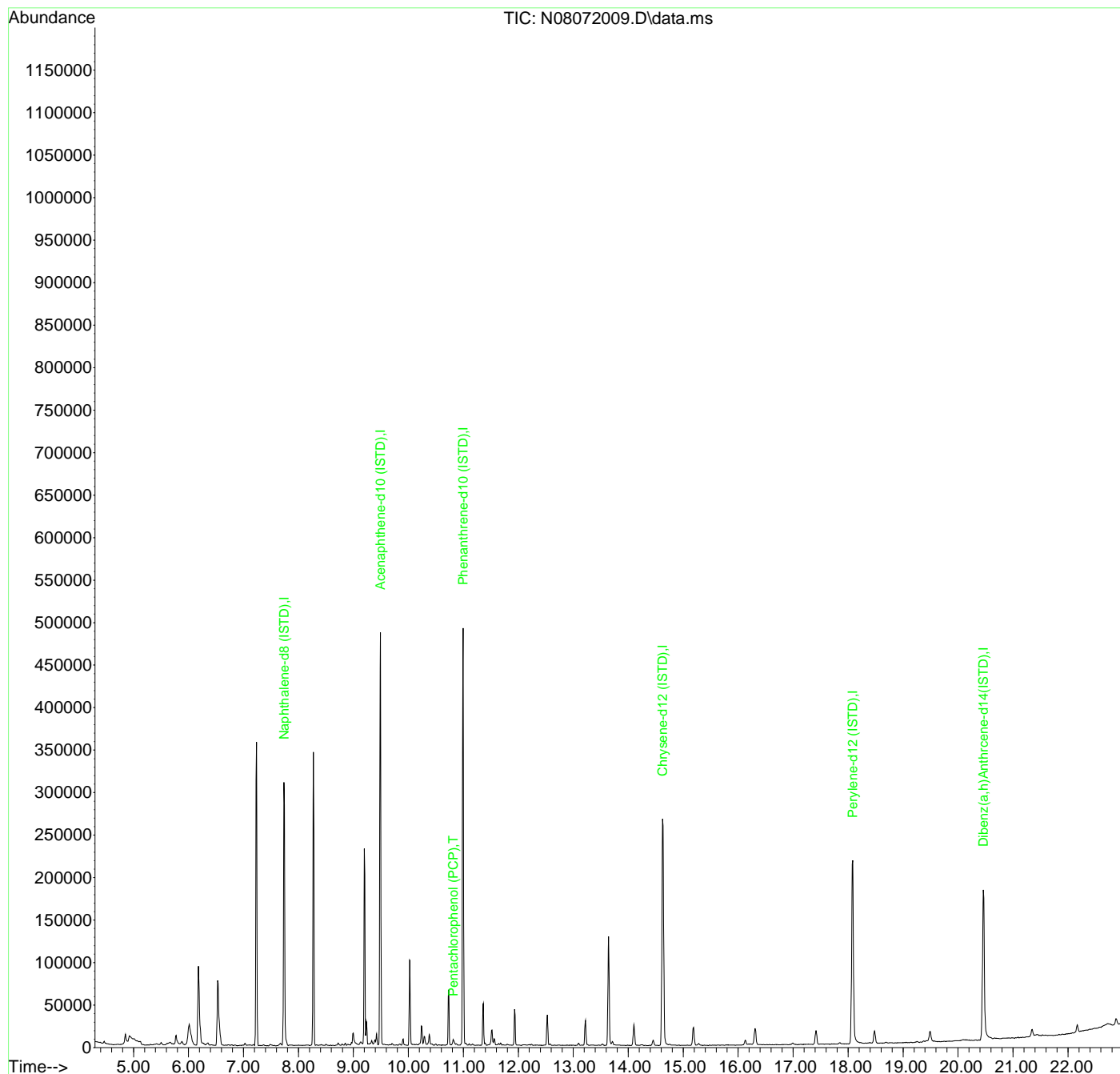
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	0.000		0			N.D.
33) Benzo(b+k)fluoranthene	0.000		0			N.D.
34) Benzo(e)pyrene	18.083	252	583			N.D.
35) Benzo(a)pyrene	0.000		0			N.D.
36) Perylene	18.124	252	53			N.D.
38) Indeno(1,2,3-cd)Pyrene	20.467	276	121			N.D.
39) Dibenz(a,h)anthracene	20.531	278	111			N.D.
40) Benzo(g,h,i)perylene	0.000		0			N.D.

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 13:00:09 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072010.D
 Acq On : 07 Aug 2020 04:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL1
 Misc : 1x, A20H127@1PPB
 ALS Vial : 3 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:16:16 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.738	136	209647	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	135719	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	232658	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.627	240	186345	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.078	264	165499	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	145171	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	636	1.12	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	1868	0.91	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml		
27) Terphenyl-d14 (Surr)	12.727	244	1766	1.00	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.207	138	73	0.50	ng/ml#		25
4) Naphthalene	7.761	128	2500	1.18	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	1415	1.04	ng/ml		94
6) 1-Methylnaphthalene	8.542	142	1486	1.02	ng/ml		92
7) 1,1'-Biphenyl	8.909	154	2062	1.10	ng/ml		95
8) 2,6-Dimethylnaphthalene	9.066	156	1406	1.10	ng/ml		94
11) Acenaphthylene	9.346	152	2000	0.85	ng/ml		94
12) Acenaphthene	9.521	153	1719	1.05	ng/ml		94
13) Dibenzofuran	9.696	168	2029	0.96	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	9.906	170	1573	1.07	ng/ml		77
15) Fluorene	10.046	166	1639	1.02	ng/ml		99
18) Pentachlorophenol (PCP)	10.821	266	350	17.29	ng/ml		90
19) Dibenzothiopene	10.891	184	2158	0.95	ng/ml		95
20) Phenanthrene	11.019	178	2780	1.13	ng/ml		99
21) Anthracene	11.072	178	2020	0.99	ng/ml		97
22) Carbazole	11.241	167	1385	0.95	ng/ml		97
23) 1-Methylphenanthrene	11.643	192	1628	0.93	ng/ml		90
24) Fluoranthene	12.255	202	2457	0.97	ng/ml		95
26) Pyrene	12.535	202	2393	0.92	ng/ml		97
28) Benz(a)anthracene	14.610	228	2208	1.21	ng/ml		95
29) Chrysene	14.685	228	1956	1.02	ng/ml		96
31) Benzo(b)fluoranthene	17.174	252	1669	1.01	ng/ml		92

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072010.D
 Acq On : 07 Aug 2020 04:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL1
 Misc : 1x, A20H127@1PPB
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:16:16 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

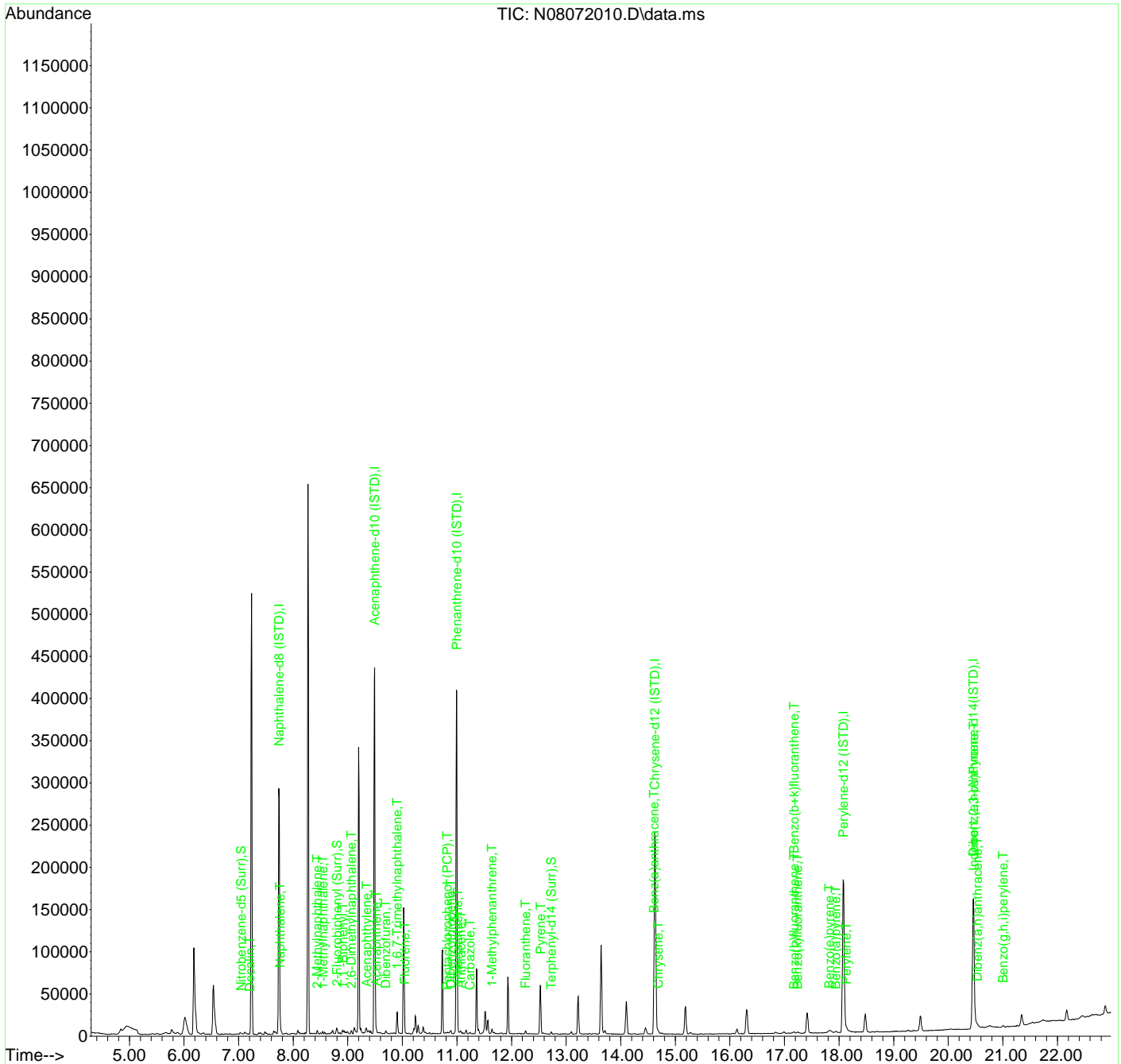
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	1533	0.97	ng/ml	89
33) Benzo(b+k)fluoranthene	17.174	252	3202	1.90	ng/ml	91
34) Benzo(e)pyrene	17.821	252	1561	0.93	ng/ml	97
35) Benzo(a)pyrene	17.938	252	1248	1.03	ng/ml	94
36) Perylene	18.136	252	1844	1.02	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	20.467	276	1534	0.97	ng/ml	100
39) Dibenz(a,h)anthracene	20.531	278	1542	1.00	ng/ml	82
40) Benzo(g,h,i)perylene	21.004	276	1456	0.89	ng/ml	82

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072010.D
 Acq On : 07 Aug 2020 04:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL1
 Misc : 1x, A20H127@1PPB
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:16:16 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072011.D
 Acq On : 07 Aug 2020 05:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL2
 Misc : 1x, A20H128@2PPB
 ALS Vial : 4 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:16:29 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	224491	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	140735	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	244122	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.627	240	211495	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.077	264	193636	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	168561	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	1270	2.09	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	3920	1.84	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	534	3.11	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.727	244	3805	1.90	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	253	1.63	ng/ml		92
4) Naphthalene	7.761	128	4784	2.12	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	3298	2.27	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	3232	2.08	ng/ml		99
7) 1,1'-Biphenyl	8.909	154	4144	2.07	ng/ml		92
8) 2,6-Dimethylnaphthalene	9.066	156	2952	2.16	ng/ml		95
11) Acenaphthylene	9.346	152	4408	1.81	ng/ml		98
12) Acenaphthene	9.521	153	3546	2.08	ng/ml		94
13) Dibenzofuran	9.696	168	4184	1.91	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	9.906	170	2991	1.96	ng/ml		89
15) Fluorene	10.046	166	3421	2.05	ng/ml		98
18) Pentachlorophenol (PCP)	10.821	266	248	15.68	ng/ml		78
19) Dibenzothiopene	10.891	184	4973	2.10	ng/ml		92
20) Phenanthrene	11.019	178	5605	2.16	ng/ml		99
21) Anthracene	11.071	178	4212	1.97	ng/ml		94
22) Carbazole	11.240	167	2808	1.83	ng/ml		99
23) 1-Methylphenanthrene	11.643	192	3946	2.14	ng/ml		95
24) Fluoranthene	12.260	202	5246	1.97	ng/ml		94
26) Pyrene	12.534	202	5435	1.84	ng/ml		96
28) Benz(a)anthracene	14.609	228	4545	2.19	ng/ml		95
29) Chrysene	14.685	228	4447	2.04	ng/ml		94
31) Benzo(b)fluoranthene	17.174	252	3889	2.01	ng/ml		93

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072011.D
 Acq On : 07 Aug 2020 05:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL2
 Misc : 1x, A20H128@2PPB
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 09:16:29 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

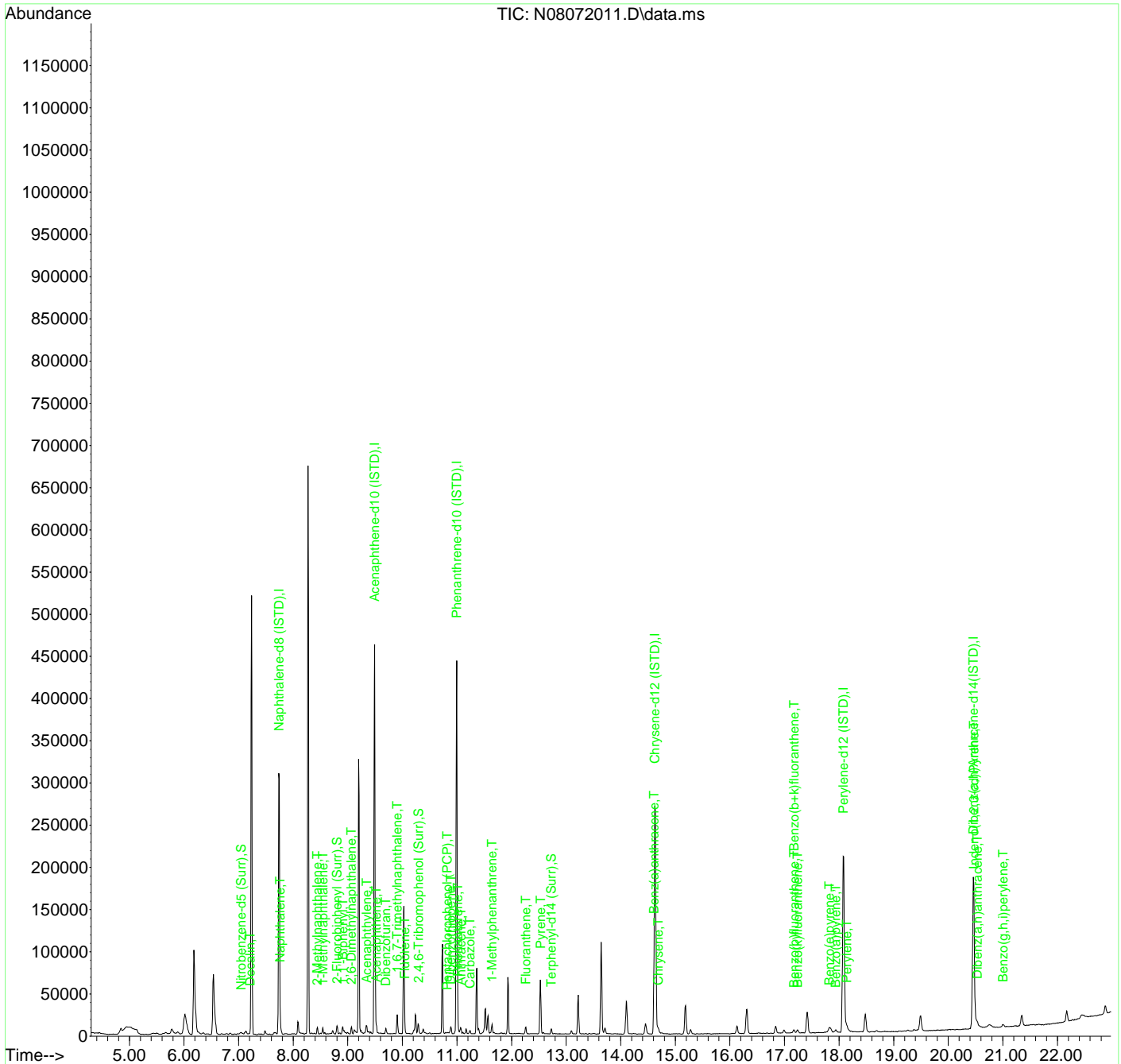
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	3308	1.78	ng/ml	88
33) Benzo(b+k)fluoranthene	17.174	252	7739	3.92	ng/ml	90
34) Benzo(e)pyrene	17.821	252	3634	1.84	ng/ml	96
35) Benzo(a)pyrene	17.937	252	2639	1.86	ng/ml	92
36) Perylene	18.141	252	4119	1.95	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.473	276	3539	1.94	ng/ml	78
39) Dibenz(a,h)anthracene	20.531	278	3567	1.99	ng/ml	81
40) Benzo(g,h,i)perylene	21.003	276	3455	1.82	ng/ml	76

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072011.D
 Acq On : 07 Aug 2020 05:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL2
 Misc : 1x, A20H128@2PPB
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 09:16:29 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072012.D
 Acq On : 07 Aug 2020 05:56 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL3
 Misc : 1x, A20H129@5PPB
 ALS Vial : 5 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:17:50 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.743	136	226097	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	144275	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	247788	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.627	240	202721	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	184622	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.461	292	160255	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	2968	4.84	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	10278	4.72	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	1324	6.44	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.727	244	9780	5.09	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	681	4.34	ng/ml		76
4) Naphthalene	7.761	128	11565	5.08	ng/ml		97
5) 2-Methylnaphthalene	8.443	142	8315	5.68	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	8413	5.36	ng/ml		97
7) 1,1'-Biphenyl	8.909	154	10169	5.03	ng/ml		94
8) 2,6-Dimethylnaphthalene	9.066	156	7473	5.43	ng/ml		96
11) Acenaphthylene	9.346	152	11485	4.61	ng/ml		98
12) Acenaphthene	9.521	153	9131	5.22	ng/ml		93
13) Dibenzofuran	9.696	168	10731	4.77	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	9.906	170	7770	4.97	ng/ml		94
15) Fluorene	10.046	166	8551	4.99	ng/ml		98
18) Pentachlorophenol (PCP)	10.821	266	227	15.35	ng/ml		87
19) Dibenzothiopene	10.891	184	12260	5.09	ng/ml		92
20) Phenanthrene	11.019	178	13283	5.05	ng/ml		98
21) Anthracene	11.072	178	10318	4.74	ng/ml		98
22) Carbazole	11.235	167	7544	4.84	ng/ml		98
23) 1-Methylphenanthrene	11.643	192	9463	5.06	ng/ml		98
24) Fluoranthene	12.261	202	13102	4.85	ng/ml		94
26) Pyrene	12.535	202	13318	4.71	ng/ml		99
28) Benz(a)anthracene	14.610	228	9736	4.90	ng/ml		98
29) Chrysene	14.685	228	10771	5.16	ng/ml		95
31) Benzo(b)fluoranthene	17.174	252	8519	4.61	ng/ml		92

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072012.D
 Acq On : 07 Aug 2020 05:56 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL3
 Misc : 1x, A20H129@5PPB
 ALS Vial : 5 Sample Multiplier: 1

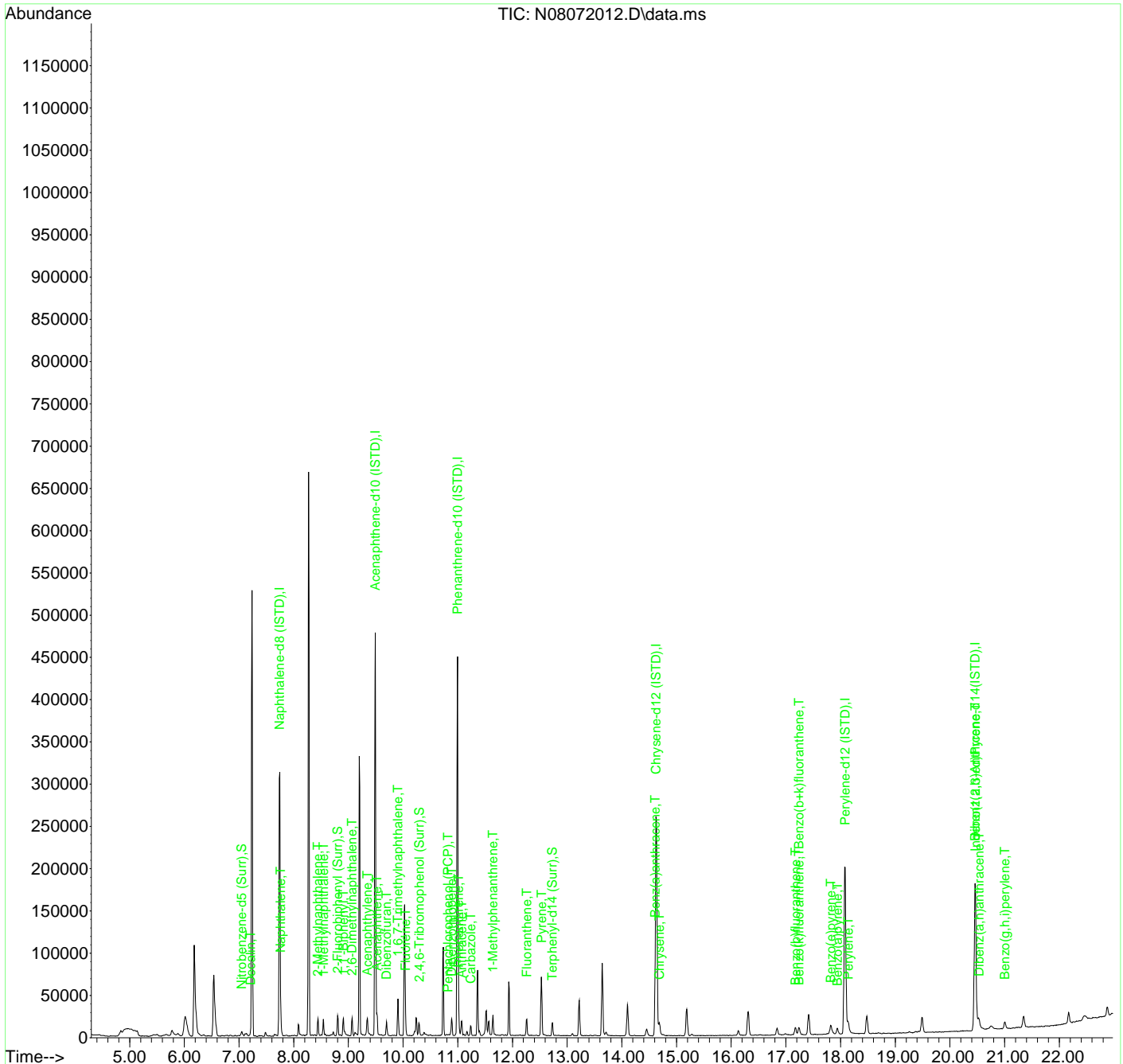
Quant Time: Aug 10 09:17:50 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	8476	4.79	ng/ml	90
33) Benzo(b+k)fluoranthene	17.238	252	18121	9.64	ng/ml	90
34) Benzo(e)pyrene	17.821	252	8909	4.74	ng/ml	95
35) Benzo(a)pyrene	17.943	252	5991	4.42	ng/ml	96
36) Perylene	18.142	252	9618	4.77	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	20.467	276	8352	4.81	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	8113	4.77	ng/ml	77
40) Benzo(g,h,i)perylene	21.004	276	8033	4.44	ng/ml	74

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

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072012.D
 Acq On : 07 Aug 2020 05:56 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL3
 Misc : 1x, A20H129@5PPB
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 10 09:17:50 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072013.D
 Acq On : 07 Aug 2020 06:29 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL4
 Misc : 1x, A20H130@10PPB
 ALS Vial : 6 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:18:14 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.743	136	228032	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	141904	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	222500	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.627	240	140980	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.077	264	123119	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	105945	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.055	82	5945	9.62	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	19786	9.23	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	1728	8.99	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.732	244	14134	10.57	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	1550	9.80	ng/ml#		77
4) Naphthalene	7.761	128	23497	10.24	ng/ml		100
5) 2-Methylnaphthalene	8.443	142	16041	10.87	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	16943	10.71	ng/ml		96
7) 1,1'-Biphenyl	8.909	154	19096	9.37	ng/ml		95
8) 2,6-Dimethylnaphthalene	9.066	156	14151	10.20	ng/ml		97
11) Acenaphthylene	9.346	152	23907	9.76	ng/ml		97
12) Acenaphthene	9.521	153	16916	9.84	ng/ml		99
13) Dibenzofuran	9.696	168	19825	8.96	ng/ml		94
14) 1,6,7-Trimethylnaphtha...	9.906	170	15416	10.02	ng/ml		95
15) Fluorene	10.045	166	15667	9.29	ng/ml		99
18) Pentachlorophenol (PCP)	10.821	266	188	15.11	ng/ml		95
19) Dibenzothiopene	10.891	184	21254	9.83	ng/ml		93
20) Phenanthrene	11.019	178	23609	10.00	ng/ml		100
21) Anthracene	11.071	178	17244	8.83	ng/ml		100
22) Carbazole	11.235	167	11174	7.99	ng/ml		99
23) 1-Methylphenanthrene	11.643	192	16553	9.85	ng/ml		97
24) Fluoranthene	12.260	202	22749	9.37	ng/ml		94
26) Pyrene	12.534	202	23593	12.01	ng/ml		98
28) Benz(a)anthracene	14.609	228	13000	9.40	ng/ml		99
29) Chrysene	14.691	228	14280	9.83	ng/ml		100
31) Benzo(b)fluoranthene	17.174	252	12095	9.81	ng/ml		92

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072013.D
 Acq On : 07 Aug 2020 06:29 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL4
 Misc : 1x, A20H130@10PPB
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:18:14 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

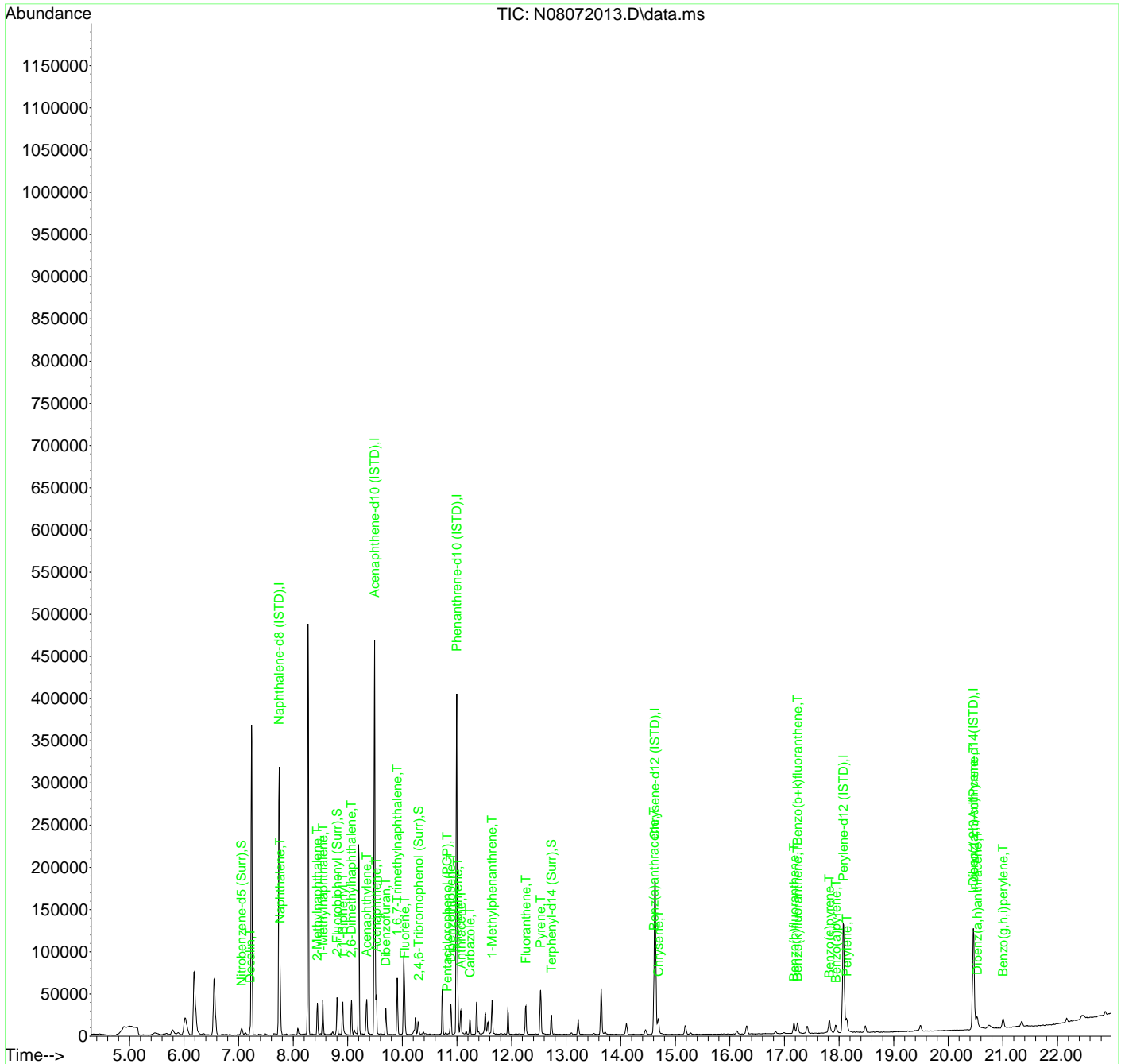
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	11317	9.58	ng/ml	91
33) Benzo(b+k)fluoranthene	17.238	252	24984	19.93	ng/ml	91
34) Benzo(e)pyrene	17.821	252	12447	9.93	ng/ml	95
35) Benzo(a)pyrene	17.943	252	8146	9.02	ng/ml	92
36) Perylene	18.141	252	13495	10.05	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	20.467	276	11197	9.75	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	10692	9.50	ng/ml	82
40) Benzo(g,h,i)perylene	21.003	276	11076	9.26	ng/ml	74

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072013.D
 Acq On : 07 Aug 2020 06:29 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL4
 Misc : 1x, A20H130@10PPB
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:18:14 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072014.D
 Acq On : 07 Aug 2020 07:02 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL5
 Misc : 1x, A20H131@20PPB
 ALS Vial : 7 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:18:34 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.738	136	239716	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	155110	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	281843	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.627	240	240100	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	217457	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.461	292	184403	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	13511	20.79	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	45285	19.33	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	6085	23.32	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.727	244	48455	21.28	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	2656	15.98	ng/ml		80
4) Naphthalene	7.761	128	49268	20.42	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	36143	23.29	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	36280	21.82	ng/ml		96
7) 1,1'-Biphenyl	8.909	154	45039	21.02	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.066	156	33777	23.16	ng/ml		94
11) Acenaphthylene	9.346	152	52295	19.53	ng/ml		98
12) Acenaphthene	9.521	153	38339	20.40	ng/ml		99
13) Dibenzofuran	9.696	168	47868	19.79	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	9.906	170	34865	20.73	ng/ml		98
15) Fluorene	10.046	166	38684	20.99	ng/ml		99
18) Pentachlorophenol (PCP)	10.821	266	1210	26.10	ng/ml		92
19) Dibenzothiopene	10.891	184	55397	20.22	ng/ml		93
20) Phenanthrene	11.019	178	60927	20.37	ng/ml		99
21) Anthracene	11.072	178	50995	20.61	ng/ml		98
22) Carbazole	11.235	167	40816	23.03	ng/ml		98
23) 1-Methylphenanthrene	11.643	192	44908	21.09	ng/ml		96
24) Fluoranthene	12.261	202	64074	20.84	ng/ml		94
26) Pyrene	12.535	202	65612	19.61	ng/ml		99
28) Benz(a)anthracene	14.610	228	46250	19.64	ng/ml		99
29) Chrysene	14.685	228	50228	20.31	ng/ml		99
31) Benzo(b)fluoranthene	17.174	252	44053	20.23	ng/ml		93

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072014.D
 Acq On : 07 Aug 2020 07:02 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL5
 Misc : 1x, A20H131@20PPB
 ALS Vial : 7 Sample Multiplier: 1

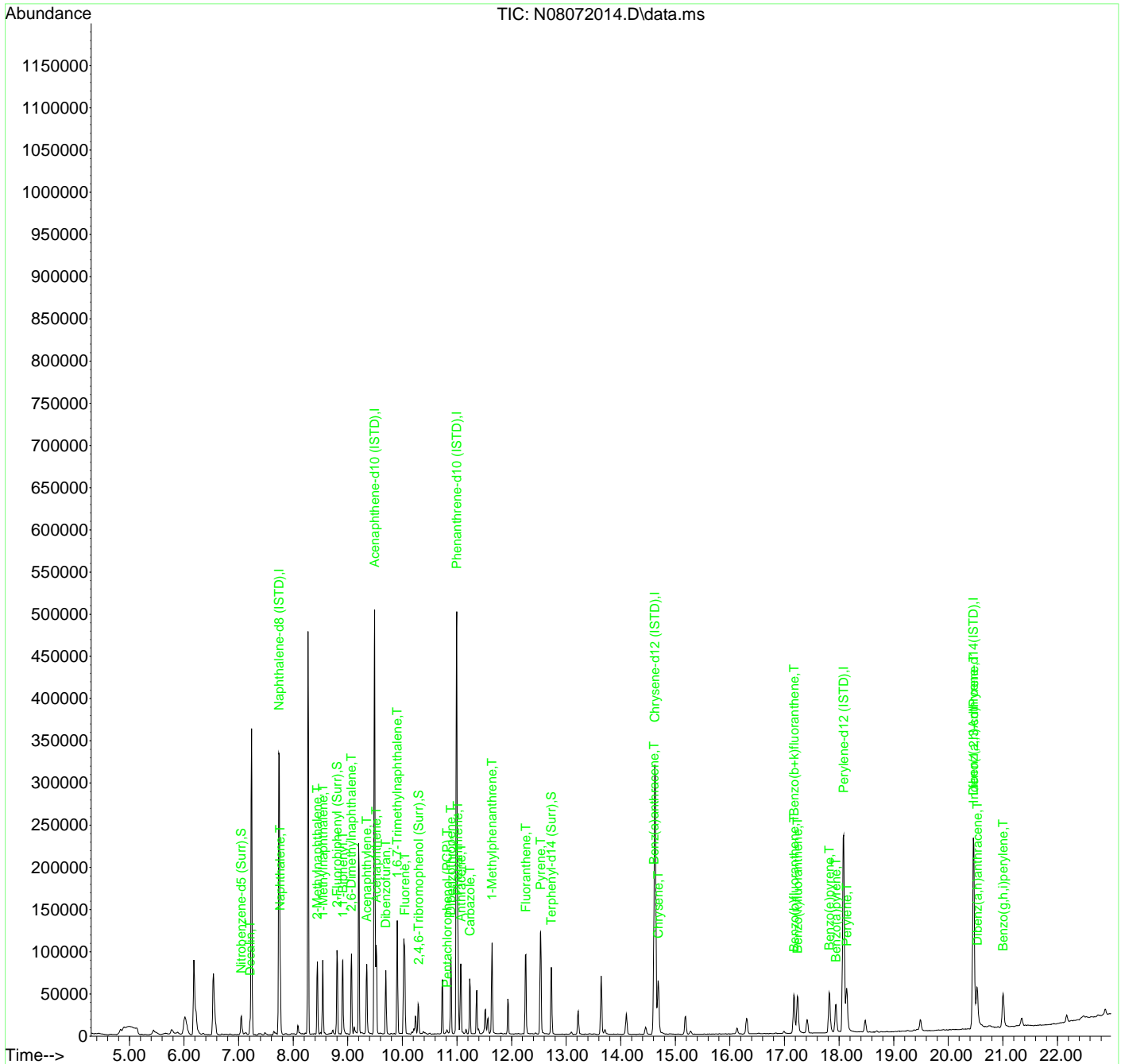
Quant Time: Aug 10 09:18:34 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	40858	19.58	ng/ml	90
33) Benzo(b+k)fluoranthene	17.174	252	89892	40.60	ng/ml	90
34) Benzo(e)pyrene	17.821	252	43548	19.67	ng/ml	96
35) Benzo(a)pyrene	17.944	252	31202	19.56	ng/ml	95
36) Perylene	18.142	252	49318	20.79	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.467	276	38988	19.50	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	38552	19.68	ng/ml	78
40) Benzo(g,h,i)perylene	21.004	276	39660	19.06	ng/ml	78

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

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072014.D
 Acq On : 07 Aug 2020 07:02 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL5
 Misc : 1x, A20H131@20PPB
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 10 09:18:34 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072015.D
 Acq On : 07 Aug 2020 07:35 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL6
 Misc : 1x, A20H132@50PPB
 ALS Vial : 8 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:18:54 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	236348	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	157474	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	298143	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	273325	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	253628	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	213890	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	33273	51.94	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	117511	49.41	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	17962	61.71	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.733	244	134305	51.82	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	6261	38.21	ng/ml		84
4) Naphthalene	7.761	128	118307	49.74	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	92164	60.23	ng/ml		96
6) 1-Methylnaphthalene	8.542	142	90899	55.44	ng/ml		96
7) 1,1'-Biphenyl	8.909	154	115384	54.63	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.066	156	85713	59.60	ng/ml		97
11) Acenaphthylene	9.346	152	138328	50.89	ng/ml		99
12) Acenaphthene	9.521	153	96981	50.82	ng/ml		100
13) Dibenzofuran	9.696	168	125884	51.26	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	9.906	170	90118	52.79	ng/ml		99
15) Fluorene	10.046	166	102499	54.78	ng/ml		99
18) Pentachlorophenol (PCP)	10.815	266	6271	70.23	ng/ml		97
19) Dibenzothiopene	10.891	184	146072	50.40	ng/ml		93
20) Phenanthrene	11.019	178	160556	50.75	ng/ml		100
21) Anthracene	11.071	178	139978	53.48	ng/ml		99
22) Carbazole	11.235	167	113238	60.40	ng/ml		98
23) 1-Methylphenanthrene	11.643	192	121857	54.10	ng/ml		99
24) Fluoranthene	12.260	202	174353	53.61	ng/ml		95
26) Pyrene	12.534	202	179092	47.01	ng/ml		99
28) Benz(a)anthracene	14.609	228	131678	49.12	ng/ml		99
29) Chrysene	14.691	228	141380	50.21	ng/ml		99
31) Benzo(b)fluoranthene	17.174	252	128755	50.70	ng/ml		91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072015.D
 Acq On : 07 Aug 2020 07:35 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL6
 Misc : 1x, A20H132@50PPB
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:18:54 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

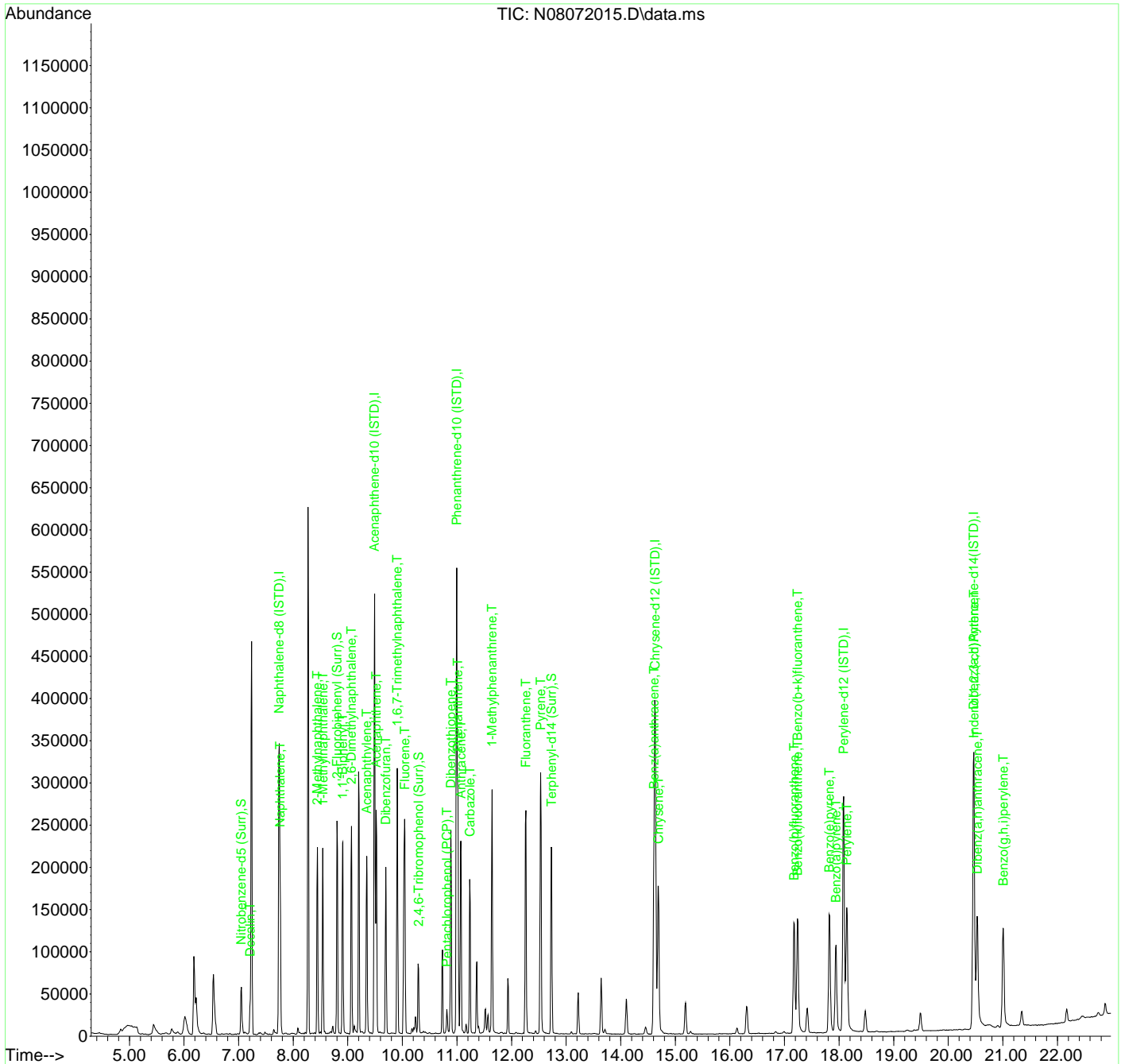
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	124775	51.28	ng/ml	90
33) Benzo(b+k)fluoranthene	17.238	252	266585	103.22	ng/ml	90
34) Benzo(e)pyrene	17.821	252	128664	49.82	ng/ml	96
35) Benzo(a)pyrene	17.943	252	95892	51.54	ng/ml	95
36) Perylene	18.141	252	141055	50.98	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.473	276	112418	48.48	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	109524	48.21	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	118269	49.00	ng/ml	74

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072015.D
 Acq On : 07 Aug 2020 07:35 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL6
 Misc : 1x, A20H132@50PPB
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:18:54 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072016.D
 Acq On : 07 Aug 2020 08:07 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL7
 Misc : 1x, A20H133@100PPB
 ALS Vial : 9 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:19:16 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	239628	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	160491	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	310167	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	274150	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	244609	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	188292	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.044	82	67920	104.57	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	236184	97.44	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.290	330	39630	123.79	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.733	244	271448	104.42	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	14769	88.89	ng/ml		82
4) Naphthalene	7.761	128	240756	99.83	ng/ml		100
5) 2-Methylnaphthalene	8.443	142	187483	120.85	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	184281	110.85	ng/ml		97
7) 1,1'-Biphenyl	8.903	154	237899	111.09	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.066	156	177587	121.80	ng/ml		97
11) Acenaphthylene	9.346	152	287639	103.84	ng/ml		99
12) Acenaphthene	9.521	153	195700	100.63	ng/ml		100
13) Dibenzofuran	9.696	168	260342	104.01	ng/ml		94
14) 1,6,7-Trimethylnaphtha...	9.906	170	184644	106.12	ng/ml		99
15) Fluorene	10.046	166	216422	113.50	ng/ml		98
18) Pentachlorophenol (PCP)	10.815	266	16208	132.05	ng/ml		99
19) Dibenzothiopene	10.891	184	307072	101.84	ng/ml		93
20) Phenanthrene	11.019	178	331692	100.78	ng/ml		99
21) Anthracene	11.071	178	291014	106.87	ng/ml		99
22) Carbazole	11.235	167	221628	113.63	ng/ml		99
23) 1-Methylphenanthrene	11.643	192	251534	107.35	ng/ml		97
24) Fluoranthene	12.260	202	373192	110.30	ng/ml		95
26) Pyrene	12.534	202	385194	100.81	ng/ml		99
28) Benz(a)anthracene	14.609	228	263502	98.01	ng/ml		100
29) Chrysene	14.691	228	284963	100.89	ng/ml		99
31) Benzo(b)fluoranthene	17.180	252	256455	104.71	ng/ml		91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072016.D
 Acq On : 07 Aug 2020 08:07 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL7
 Misc : 1x, A20H133@100PPB
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 10 09:19:16 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

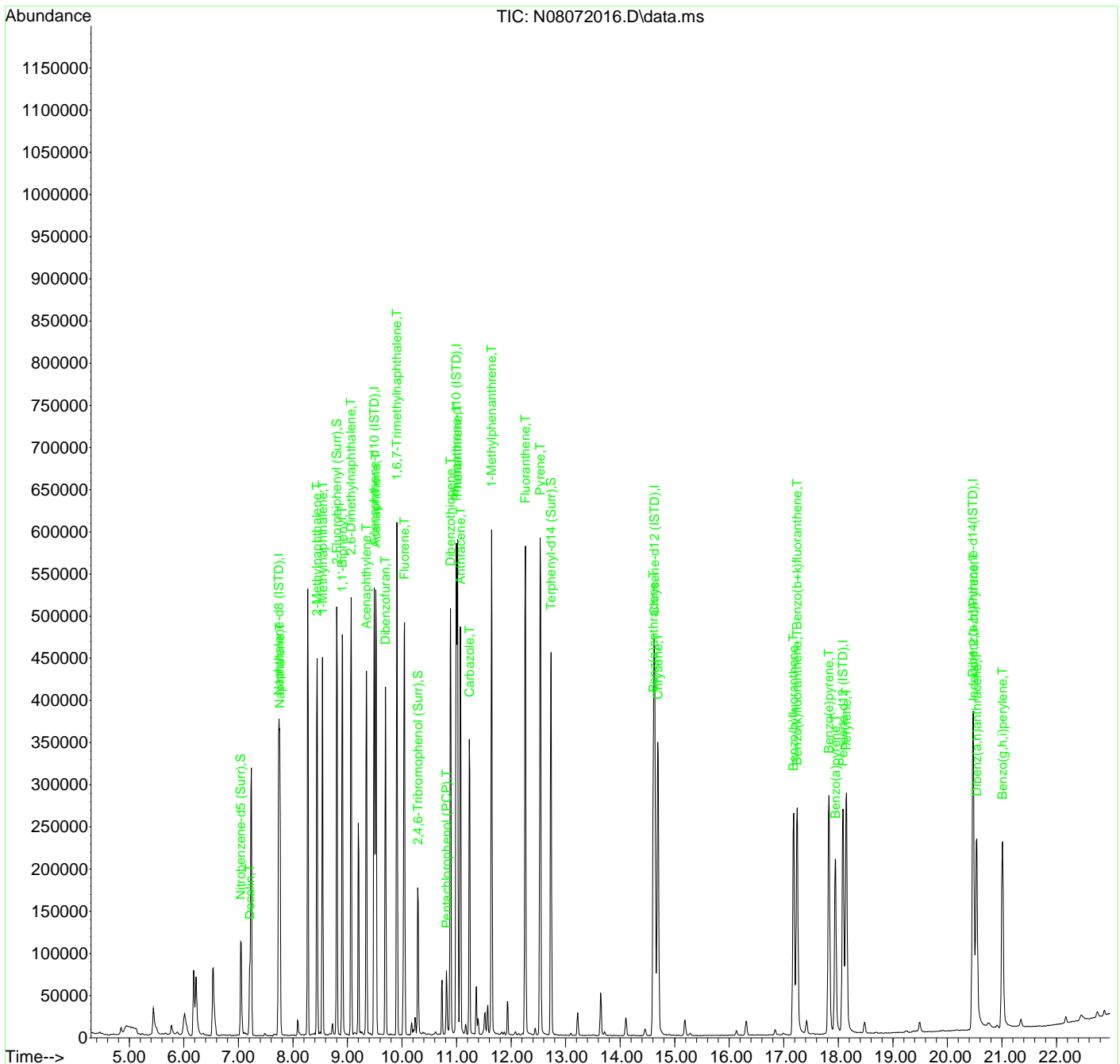
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.244	252	245178	104.47	ng/ml	90
33) Benzo(b+k)fluoranthene	17.244	252	524339	210.51	ng/ml	90
34) Benzo(e)pyrene	17.827	252	260007	104.40	ng/ml	97
35) Benzo(a)pyrene	17.949	252	190371	106.03	ng/ml	95
36) Perylene	18.147	252	269336	100.92	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.479	276	206306	101.07	ng/ml	74
39) Dibenz(a,h)anthracene	20.537	278	209030	104.53	ng/ml	78
40) Benzo(g,h,i)perylene	21.009	276	220629	103.83	ng/ml	76

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072016.D
 Acq On : 07 Aug 2020 08:07 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL7
 Misc : 1x, A20H133@100PPB
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 10 09:19:16 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072017.D
 Acq On : 07 Aug 2020 08:40 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL8
 Misc : 1x, A20H134@200PPB
 ALS Vial : 10 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:19:36 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	243956	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	162564	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	322378	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.639	240	313061	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.089	264	283565	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.473	292	210998	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.044	82	137180	207.46	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	477028	194.30	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.290	330	84601	233.63	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.733	244	597044	201.11	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	28294	167.28	ng/ml		84
4) Naphthalene	7.761	128	479537	195.31	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	380463	240.90	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	372527	220.11	ng/ml		96
7) 1,1'-Biphenyl	8.909	154	482640	221.37	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.066	156	361818	243.75	ng/ml		97
11) Acenaphthylene	9.346	152	586170	208.91	ng/ml		98
12) Acenaphthene	9.521	153	393259	199.64	ng/ml		100
13) Dibenzofuran	9.696	168	533541	210.45	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	9.906	170	367505	208.52	ng/ml		98
15) Fluorene	10.046	166	435598	225.53	ng/ml		98
18) Pentachlorophenol (PCP)	10.815	266	46324	257.73	ng/ml		99
19) Dibenzothiopene	10.891	184	625695	199.64	ng/ml		94
20) Phenanthrene	11.019	178	677193	197.96	ng/ml		99
21) Anthracene	11.071	178	607405	214.60	ng/ml		99
22) Carbazole	11.235	167	471116	232.39	ng/ml		99
23) 1-Methylphenanthrene	11.643	192	518701	212.99	ng/ml		98
24) Fluoranthene	12.261	202	781297	222.17	ng/ml		95
26) Pyrene	12.540	202	799981	183.34	ng/ml		99
28) Benz(a)anthracene	14.615	228	608983	198.35	ng/ml		100
29) Chrysene	14.697	228	636457	197.33	ng/ml		100
31) Benzo(b)fluoranthene	17.186	252	597527	210.45	ng/ml		91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072017.D
 Acq On : 07 Aug 2020 08:40 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL8
 Misc : 1x, A20H134@200PPB
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 10 09:19:36 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

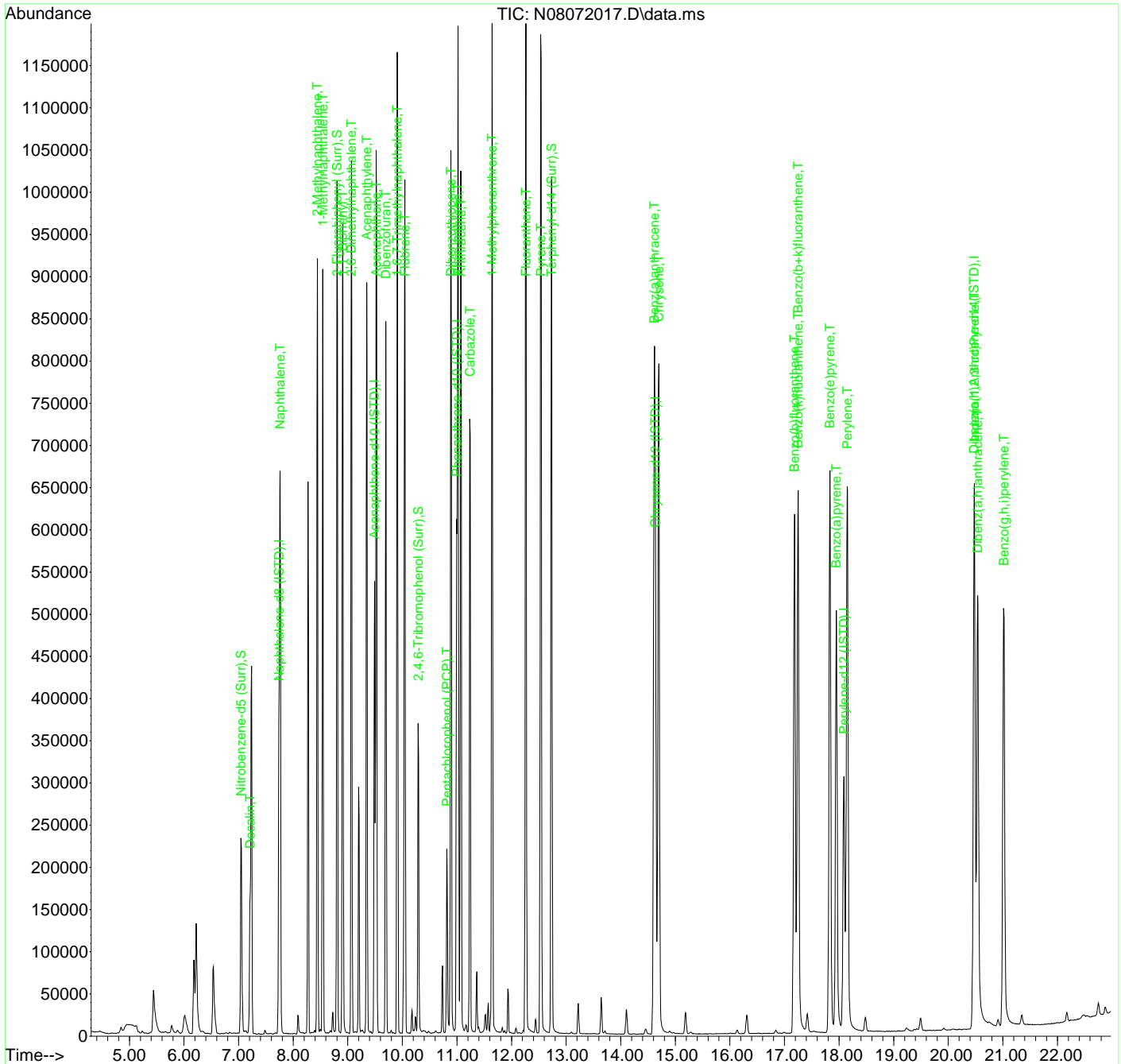
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.250	252	589910	216.84	ng/ml	91
33) Benzo(b+k)fluoranthene	17.250	252	1231095	426.35	ng/ml	91
34) Benzo(e)pyrene	17.833	252	611906	211.94	ng/ml	97
35) Benzo(a)pyrene	17.949	252	456627	219.50	ng/ml	96
36) Perylene	18.153	252	626652	202.56	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.479	276	476115	208.16	ng/ml	75
39) Dibenz(a,h)anthracene	20.537	278	473722	211.39	ng/ml	79
40) Benzo(g,h,i)perylene	21.015	276	511963	215.01	ng/ml	75

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072017.D
 Acq On : 07 Aug 2020 08:40 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL8
 Misc : 1x, A20H134@200PPB
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 10 09:19:36 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072018.D
 Acq On : 07 Aug 2020 09:12 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL9
 Misc : 1x, A20H135@400PPB
 ALS Vial : 11 Sample Multiplier: 1

JK 8/10/20

Misinjection. Point excluded from calibration.

Quant Time: Aug 10 09:19:55 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

OK MKZ 8/14/2020

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.743	136	17104	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	4382	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	2318	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	1064	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.077	264	928	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.461	292	858	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	14851	320.34	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	33043	499.31	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.290	330	701	263.51	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.732	244	5581	553.14	ng/ml	0.00	
Target Compounds							Qvalue
3) Decalin	7.219	138	9026	761.12	ng/ml		86
4) Naphthalene	7.761	128	70590	410.08	ng/ml		100
5) 2-Methylnaphthalene	8.443	142	37012	334.25	ng/ml		96
6) 1-Methylnaphthalene	8.542	142	38595	325.26	ng/ml		97
7) 1,1'-Biphenyl	8.909	154	32027	209.52	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.066	156	20523	197.20	ng/ml		98
11) Acenaphthylene	9.346	152	32891	434.88	ng/ml		99
12) Acenaphthene	9.521	153	21612	407.02	ng/ml		98
13) Dibenzofuran	9.696	168	20091	293.99	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	9.906	170	11037	232.32	ng/ml		97
15) Fluorene	10.045	166	11678	224.30	ng/ml		97
18) Pentachlorophenol (PCP)	0.000		0	N.D.			
19) Dibenzothiopene	10.891	184	10590	469.93	ng/ml		93
20) Phenanthrene	11.019	178	9850	400.44	ng/ml		100
21) Anthracene	11.071	178	7326	359.98	ng/ml		100
22) Carbazole	11.240	167	4563	313.04	ng/ml		95
23) 1-Methylphenanthrene	11.643	192	5410	308.95	ng/ml		92
24) Fluoranthene	12.260	202	7012	277.31	ng/ml		95
26) Pyrene	12.534	202	6877	463.73	ng/ml		98
28) Benz(a)anthracene	14.609	228	4463	427.71	ng/ml		100
29) Chrysene	14.685	228	5012	457.22	ng/ml		96
31) Benzo(b)fluoranthene	17.174	252	4589	493.88	ng/ml		92

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072018.D
 Acq On : 07 Aug 2020 09:12 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL9
 Misc : 1x, A20H135@400PPB
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 10 09:19:55 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

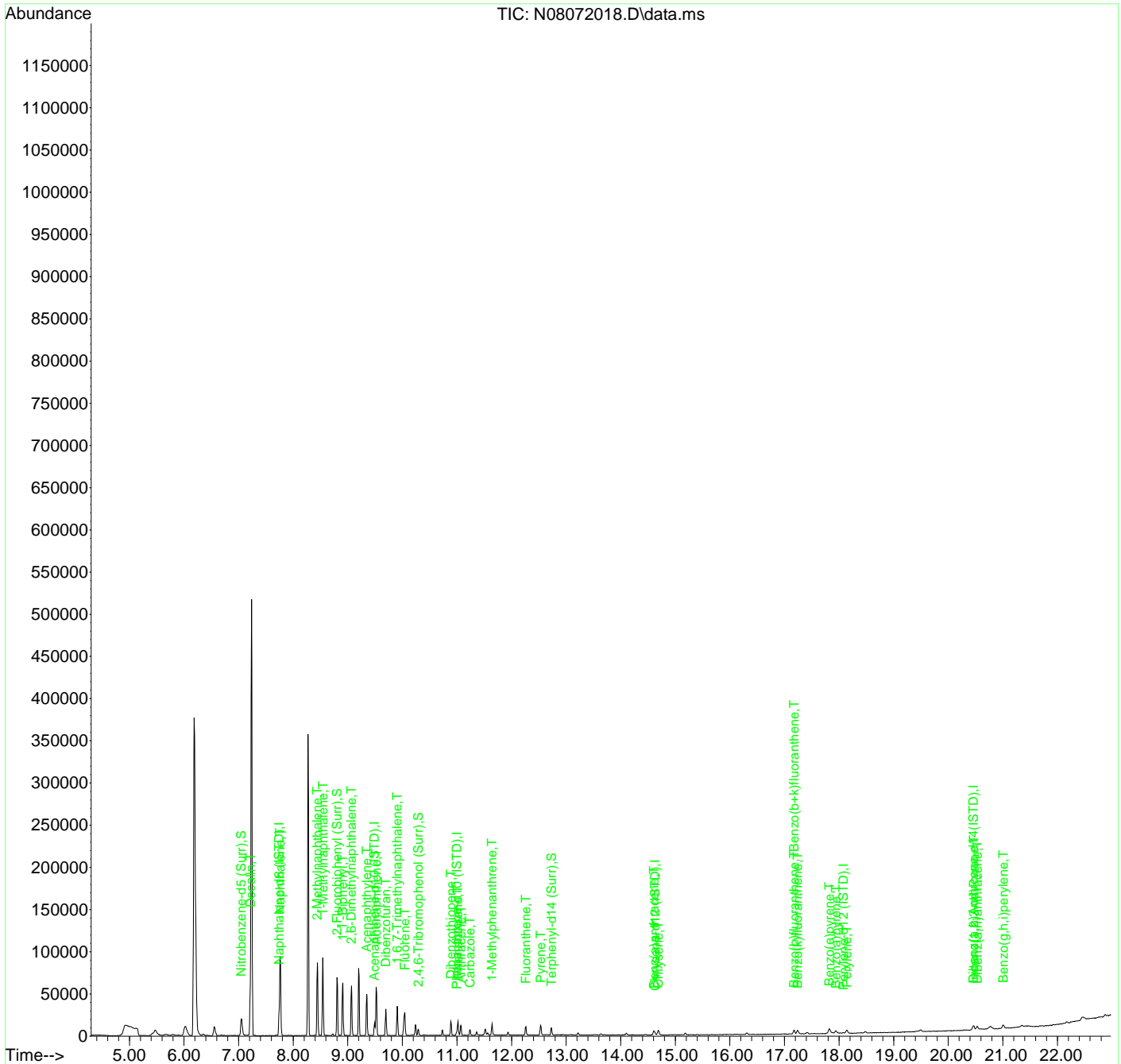
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	4168	468.14	ng/ml	87
33) Benzo(b+k)fluoranthene	17.174	252	9502	1005.54	ng/ml	90
34) Benzo(e)pyrene	17.821	252	4636	490.66	ng/ml	98
35) Benzo(a)pyrene	17.943	252	2895	425.23	ng/ml	91
36) Perylene	18.141	252	4009	395.97	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	20.473	276	3761	404.36	ng/ml	73
39) Dibenz(a,h)anthracene	20.531	278	4212	462.22	ng/ml	81
40) Benzo(g,h,i)perylene	21.009	276	4287	442.75	ng/ml	88

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072018.D
 Acq On : 07 Aug 2020 09:12 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CAL9
 Misc : 1x, A20H135@400PPB
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 10 09:19:55 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072019.D
 Acq On : 07 Aug 2020 09:45 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CALA
 Misc : 1x, A20H136@600PPB
 ALS Vial : 12 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:20:20 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.737	136	238642	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	167307	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	339435	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.650	240	360560	100.00	ng/ml	0.02	
30) Perylene-d12 (ISTD)	18.101	264	340814	100.00	ng/ml	0.02	
37) Dibenz(a,h)Anthrcene-d...	20.490	292	249015	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.044	82	406276	628.10	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.810	172	1394405	551.87	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.296	330	289654	600.83	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.738	244	1953505	571.35	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	89311	539.78	ng/ml		82
4) Naphthalene	7.761	128	1364884	568.29	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	1097533	710.40	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	1061181	640.98	ng/ml		97
7) 1,1'-Biphenyl	8.909	154	1430681	670.81	ng/ml		95
8) 2,6-Dimethylnaphthalene	9.072	156	1054857	726.45	ng/ml		97
11) Acenaphthylene	9.352	152	1737176	601.59	ng/ml		99
12) Acenaphthene	9.527	153	1146621	565.59	ng/ml		100
13) Dibenzofuran	9.702	168	1593927	610.88	ng/ml		94
14) 1,6,7-Trimethylnaphtha...	9.911	170	1064191	586.70	ng/ml		100
15) Fluorene	10.045	166	1277182	642.50	ng/ml		99
18) Pentachlorophenol (PCP)	10.821	266	209662	620.38	ng/ml		100
19) Dibenzothiopene	10.896	184	1885429	571.36	ng/ml		94
20) Phenanthrene	11.025	178	2010051	558.05	ng/ml		100
21) Anthracene	11.077	178	1864915	625.79	ng/ml		99
22) Carbazole	11.240	167	1466993	687.27	ng/ml		99
23) 1-Methylphenanthrene	11.648	192	1544611	602.38	ng/ml		97
24) Fluoranthene	12.266	202	2388152	644.98	ng/ml		94
26) Pyrene	12.546	202	2455254	488.57	ng/ml		99
28) Benz(a)anthracene	14.627	228	2152328	608.68	ng/ml		100
29) Chrysene	14.708	228	2128504	572.99	ng/ml		99
31) Benzo(b)fluoranthene	17.203	252	2203761	645.80	ng/ml		91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072019.D
 Acq On : 07 Aug 2020 09:45 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CALA
 Misc : 1x, A20H136@600PPB
 ALS Vial : 12 Sample Multiplier: 1

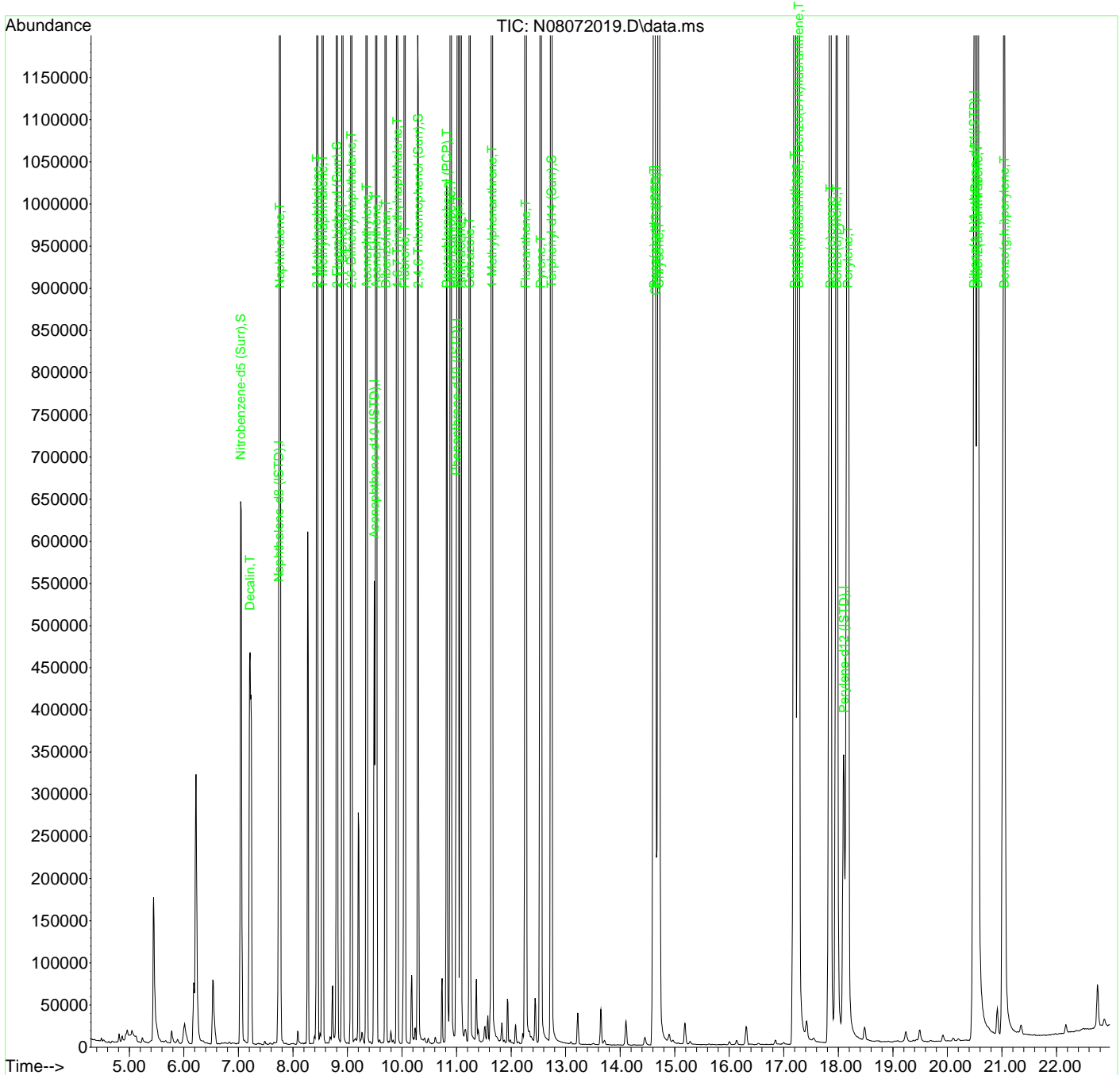
Quant Time: Aug 10 09:20:20 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.273	252	2097578	641.50	ng/ml	90
33) Benzo(b+k)fluoranthene	17.273	252	4430224	1276.55	ng/ml	90
34) Benzo(e)pyrene	17.856	252	2168307	624.86	ng/ml	97
35) Benzo(a)pyrene	17.972	252	1663091	665.16	ng/ml	95
36) Perylene	18.176	252	2159235	580.70	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.508	276	1715742	635.60	ng/ml	74
39) Dibenz(a,h)anthracene	20.560	278	1613131	609.95	ng/ml	78
40) Benzo(g,h,i)perylene	21.044	276	1802480	641.41	ng/ml	74

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

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072019.D
 Acq On : 07 Aug 2020 09:45 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-CALA
 Misc : 1x, A20H136@600PPB
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 10 09:20:20 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:20:59 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.738	136	256281	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	163968	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	309949	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	277913	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	249997	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	198562	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	33834	48.71	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	117801	47.57	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.291	330	16307	54.31	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.733	244	134405	51.00	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	6630	37.31	ng/ml		84
4) Naphthalene	7.761	128	127598	49.47	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	96851	58.37	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	95668	53.81	ng/ml		97
7) 1,1'-Biphenyl	8.909	154	117239	51.19	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.066	156	85969	55.13	ng/ml		96
11) Acenaphthylene	9.346	152	143176	50.59	ng/ml		99
12) Acenaphthene	9.521	153	99574	50.12	ng/ml		99
13) Dibenzofuran	9.696	168	124467	48.67	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	9.906	170	87424	49.18	ng/ml		100
15) Fluorene	10.046	166	103605	53.18	ng/ml		98
18) Pentachlorophenol (PCP)	10.815	266	5368	61.41	ng/ml		97
19) Dibenzothiopene	10.891	184	142269	47.21	ng/ml		94
20) Phenanthrene	11.019	178	165110	50.20	ng/ml		100
21) Anthracene	11.072	178	145176	53.35	ng/ml		99
22) Carbazole	11.235	167	112229	57.58	ng/ml		98
23) 1-Methylphenanthrene	11.643	192	121301	51.81	ng/ml		98
24) Fluoranthene	12.261	202	184354	54.53	ng/ml		95
26) Pyrene	12.535	202	190425	49.16	ng/ml		99
28) Benz(a)anthracene	14.610	228	127771	46.88	ng/ml		99
29) Chrysene	14.691	228	140295	49.00	ng/ml		99
31) Benzo(b)fluoranthene	17.180	252	124762	49.84	ng/ml		91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 09:20:59 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration

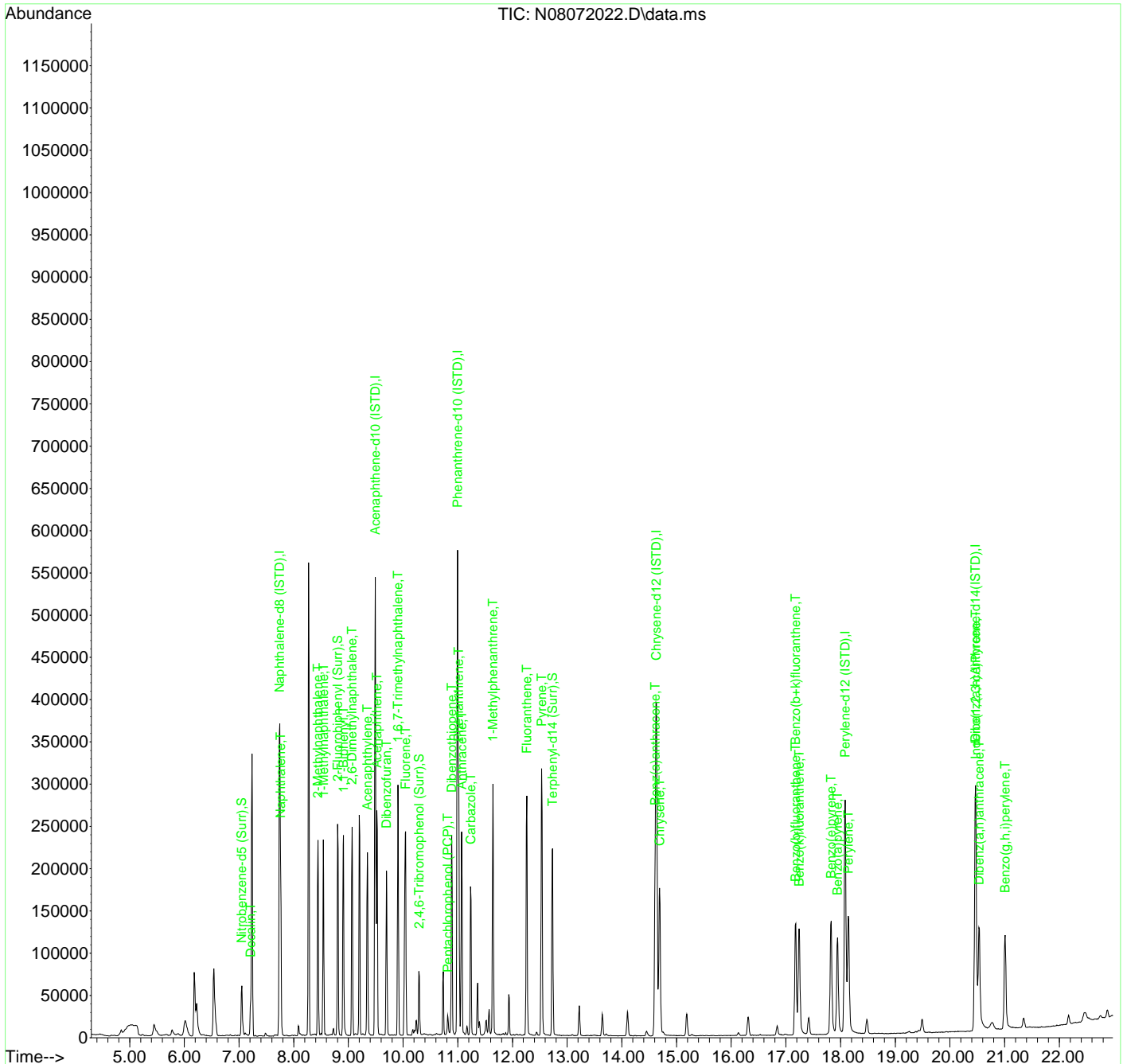
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.244	252	121002	50.45	ng/ml	91
33) Benzo(b+k)fluoranthene	17.180	252	258890	101.70	ng/ml	88
34) Benzo(e)pyrene	17.827	252	121723	47.82	ng/ml	98
35) Benzo(a)pyrene	17.944	252	104007	56.71	ng/ml	96
36) Perylene	18.142	252	132208	48.47	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.473	276	99525	46.24	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	103277	48.97	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	111212	49.63	ng/ml	74

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 09:20:59 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:15:49 2020
 Response via : Initial Calibration



Data Path : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

JK 8/10/20

Final Requant

Quant Time: Aug 10 13:00:22 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.738	136	256281	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.492	162	163968	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	10.996	188	309949	100.00	ng/ml	0.00	
25) Chrysene-d12 (ISTD)	14.633	240	277913	100.00	ng/ml	0.00	
30) Perylene-d12 (ISTD)	18.083	264	249997	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.467	292	198562	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.050	82	33834	47.13	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.804	172	117801	50.25	ng/ml	0.00	
17) 2,4,6-Tribromophenol (...)	10.291	330	16307	43.38	ng/ml	0.00	
27) Terphenyl-d14 (Surr)	12.733	244	134405	50.30	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.213	138	6630	43.58	ng/ml		84
4) Naphthalene	7.761	128	127598	48.28	ng/ml		99
5) 2-Methylnaphthalene	8.443	142	96851	50.68	ng/ml		97
6) 1-Methylnaphthalene	8.542	142	95668	50.03	ng/ml		97
7) 1,1'-Biphenyl	8.909	154	117239	48.21	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.066	156	85969	48.24	ng/ml		96
11) Acenaphthylene	9.346	152	143176	52.10	ng/ml		99
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13) Dibenzofuran	9.696	168	124467	49.30	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	9.906	170	87424	48.01	ng/ml		100
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18) Pentachlorophenol (PCP)	10.815	266	5368	42.04	ng/ml		97
19) Dibenzothiopene	10.891	184	142269	47.27	ng/ml		94
20) Phenanthrene	11.019	178	165110	49.22	ng/ml		100
21) Anthracene	11.072	178	145176	52.84	ng/ml		99
22) Carbazole	11.235	167	112229	54.95	ng/ml		98
23) 1-Methylphenanthrene	11.643	192	121301	50.29	ng/ml		98
24) Fluoranthene	12.261	202	184354	52.98	ng/ml		95
26) Pyrene	12.535	202	190425	51.17	ng/ml		99
28) Benz(a)anthracene	14.610	228	127771	45.99	ng/ml		99
29) Chrysene	14.691	228	140295	48.87	ng/ml		99
31) Benzo(b)fluoranthene	17.180	252	124762	49.22	ng/ml		91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 13:00:22 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration

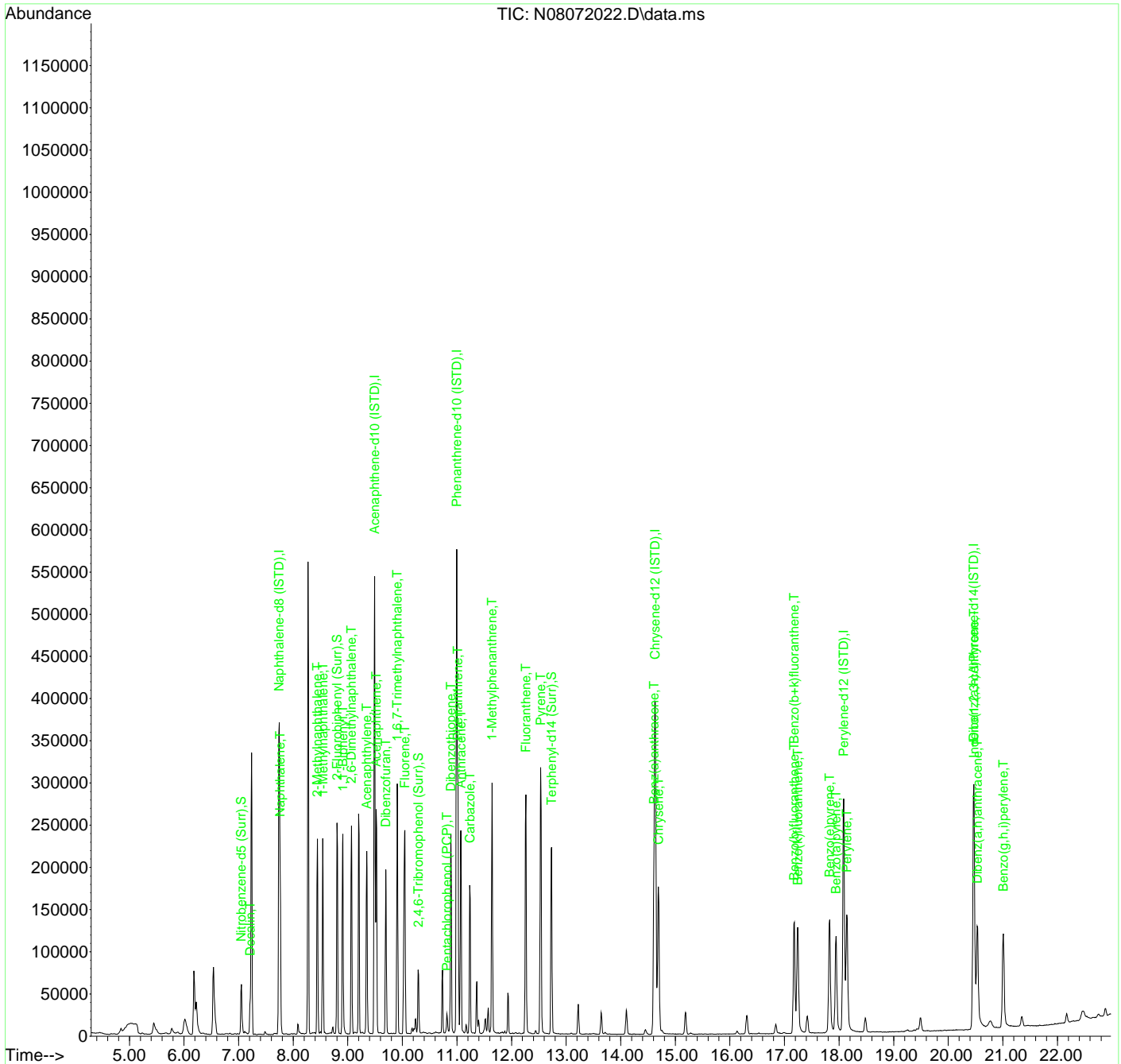
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.244	252	121002	50.60	ng/ml	91
33) Benzo(b+k)fluoranthene	17.180	252	258890	100.35	ng/ml	88
34) Benzo(e)pyrene	17.827	252	121723	48.28	ng/ml	98
35) Benzo(a)pyrene	17.944	252	104007	56.59	ng/ml	96
36) Perylene	18.142	252	132208	48.45	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.473	276	99525	46.57	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	103277	49.15	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	111212	51.18	ng/ml	74

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

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
 Data File : N08072022.D
 Acq On : 07 Aug 2020 11:23 pm
 Operator : JK/ AMS/ DTH
 Sample : 0H07053-ICV1
 Misc : 1x, A20H138@50PPB
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 13:00:22 2020
 Quant Method : M:\methods\SV14_080720.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Aug 10 09:22:10 2020
 Response via : Initial Calibration



**Conventional Chemistry Parameters
Total Organic Carbon- Soil (SM 5310 B)
Benchsheet & Analysis Sequence Data**

Batch 0110194
Sequence 0K09056 (A0J0236-35,36,37,38,39)



Apex Laboratories
PREPARATION BENCH SHEET

NOV 11 2020

BATCH #: 0110194 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
	0110194-BLK1	QC	11/06/20 09:13	0.2	0.2									
	0110194-BS1	QC	11/06/20 09:13	0.2	0.2	A201375-		1 -						
	A0I0556-35	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					PDI-173SC-A-01-02-200521	added 11/5, w/ data package			
	0110194-DUP1	QC	11/06/20 09:13	0.2	0.2		A0I0556-35							
	0110194-DUP2	QC	11/06/20 09:13	0.2	0.2		A0I0556-35							
	A0I0556-36	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					PDI-173SC-A-02-03-200521	added 11/5, w/ data package			
	A0I0556-37	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					PDI-173SC-A-03-04-200521	added 11/5, w/ data package			
	A0I0556-38	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					PDI-174SC-A-01-02-200521	added 11/5, w/ data package			
	A0I0556-39	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					PDI-174SC-A-02-03-200521	added 11/5, w/ data package			
	A0J1069-27	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					USMPDI-047SC-D-14-16-201030				
	A0J1069-28	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					USMPDI-047SC-D-16-17.7-201030				
	A0J1069-29	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					USMPDI-1047S-C-D-12-14-201030				
	A0K0048-01	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-C066-1-2				
	0110194-DUP3	QC	11/06/20 09:13	0.2	0.2		A0K0048-01							
	A0K0048-02	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-C066-2-3				
	A0K0048-03	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-G066				
	A0K0048-04	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-G068				
	A0K0048-05	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S068-1-3				
	A0K0078-01	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S050-1-3				

WVO

11/06/20

CLM 11/10/2020

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0110194 (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	5-8	>11
	A0K0078-02	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S051-1-3				
	A0K0078-03	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S052-1-3				
	A0K0078-04	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S076-0-1				
	A0K0078-05	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S076-1-3				
	A0K0078-06	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S058-1-3				
	A0K0078-07	A Total Organic Carbon - Sediment (PSEP/BC)	11/06/20 09:13	0.2	0.2					WC-S067-3-5				

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	A20I375	03/24/21	TOC 10k ppm secondary ✓			
A19J023	11/30/23	Wet Chem Balance 4						
A19J145	05/30/22	TOC Soil Blank Matrix ✓						
A19K369	11/27/24	VWR002V						
A20F100	12/08/20	10% Phosphoric Acid						
A20J425	11/30/23	Wet Chem Balance 5						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Batch#: 0110194

TOC soil drying

Date: 11/06/20

Analyst: wvo

Page: 1 of

Sample ID	Tare Weight (g)	Wet Weight (g)	Dried Weight (g)				Comments	Effervesces? (Y or N)	Correction Factor
			1 st weighing	2nd Weighing	3rd Weighing	4th Weighing			
0110194-BLK1									
0110194-BS1									
A0I0556-35	1.3075	11.8445	9.3889	<u>9.3844</u>				0.76653	
0110194-DUP1	1.3197	11.3796	9.1347	<u>9.1307</u>		A0I0556-35		0.77645	
0110194-DUP2						0110194-DUP1			
A0I0556-36	1.3002	11.5891	9.0810	<u>9.0807</u>				0.75620	
A0I0556-37	1.3161	11.7348	<u>7.8281</u>	7.8282				0.62503	
A0I0556-38	1.2980	11.7934	<u>9.7086</u>	9.7087				0.80136	
A0I0556-39	1.3058	11.6548	9.2186	<u>9.2181</u>				0.76455	
A0J1069-27	1.3142	11.4212	<u>7.8570</u>	7.8602				0.64735	
A0J1069-28	1.3131	11.7663	<u>8.0445</u>	8.0461				0.64396	
A0J1069-29	1.3024	11.4944	8.5695	<u>8.5667</u>				0.71275	
A0K0048-01	1.3058	11.5742	<u>6.6781</u>	6.6809				0.52319	
0110194-DUP3	1.3191	11.4032	<u>6.5979</u>	6.6009		A0K0048-01		0.52348	
A0K0048-02	1.3176	11.5666	<u>6.8718</u>	6.8744				0.54193	
A0K0048-03	1.3153	11.4581	<u>6.8188</u>	6.8191				0.54260	
A0K0048-04	1.2978	11.4116	<u>7.5622</u>	7.5671				0.61939	
A0K0048-05	1.3132	11.4183	<u>8.5097</u>	8.5104				0.71217	
A0K0078-01	1.3056	11.4269	<u>8.2956</u>	8.2962				0.69062	
A0K0078-02	1.3036	11.8104	<u>8.9651</u>	8.9686				0.72919	
A0K0078-03	1.3051	11.8913	<u>9.8968</u>	9.8977				0.81159	
A0K0078-04	1.3016	11.4964	<u>8.4728</u>	8.4731				0.70342	
A0K0078-05	1.3109	11.5628	<u>8.5592</u>	8.5598				0.70702	
A0K0078-06	1.3129	11.8324	<u>10.6035</u>	10.6080				0.88318	
A0K0078-07	1.3043	11.8036	<u>9.0169</u>	9.0205				0.73458	



ELEMENT SEQUENCE LOG

Apex Laboratories

NOV 11 2020

Sequence: **OK09056** ✓

Instrument: **TOC6**

Date: **11/09/20 11:47**

Calibration: **A0H1904** ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OK09056-CCV1	Soil	QC	QC				A20I376 ✓
2	OK09056-CCB1	Soil	QC	QC				
3	0110194-BLK1	Soil	QC	QC		0110194		
4	0110194-BS1	Soil	QC	QC		0110194		
5	0110195-BLK1	Soil	QC	QC		0110195		
6	0110195-BS1	Soil	QC	QC		0110195		
7	A0I0556-35	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/11/20	0110194		
8	0110194-DUP1	Soil	QC	QC		0110194		
9	0110194-DUP2	Soil	QC	QC		0110194		
10	A0I0556-36	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/11/20	0110194		
11	A0I0556-37	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/11/20	0110194		
12	A0I0556-38	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/11/20	0110194		
13	OK09056-CCV2	Soil	QC	QC				A20I376 ✓
14	OK09056-CCB2	Soil	QC	QC				
15	A0I0556-39	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/11/20	0110194		
16	A0J1069-27	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/12/20	0110194		
17	A0J1069-28	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/12/20	0110194		
18	A0J1069-29	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/12/20	0110194		
19	A0K0048-01	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
20	0110194-DUP3	Soil	QC	QC		0110194		
21	A0K0048-02	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
22	A0K0048-03	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
23	A0K0048-04	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
24	A0K0048-05	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
25	OK09056-CCV3	Soil	QC	QC				A20I376 ✓
26	OK09056-CCB3	Soil	QC	QC				
27	A0K0078-01	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
28	A0K0078-02	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
29	A0K0078-03	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
30	A0K0078-04	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
31	A0K0078-05	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
32	A0K0078-06	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
33	A0K0078-07	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110194		
34	A0K0078-08	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110195		
35	A0K0078-09	Soil	Total Organic Carbon - Sediment (PS)		11/17/20	0110195		
36	A0K0119-01	Soil	Total Organic Carbon - Sediment (PS)		11/18/20	0110195		
37	OK09056-CCV4	Soil	QC	QC				A20I376 ✓
38	OK09056-CCB4	Soil	QC	QC				
39	0110195-DUP1	Soil	QC	QC		0110195		
40	0110195-DUP2	Soil	QC	QC		0110195		
41	A0K0119-02	Soil	Total Organic Carbon - Sediment (PS)		11/18/20	0110195		
42	A0K0120-01	Soil	Total Organic Carbon - Sediment (PS)		11/18/20	0110195		
43	A0K0120-02	Soil	Total Organic Carbon - Sediment (PS)		11/18/20	0110195		
44	A0K0120-03	Soil	Total Organic Carbon - Sediment (PS)		11/18/20	0110195		
45	A0K0120-04	Soil	Total Organic Carbon - Sediment (PS)		11/18/20	0110195		
46	A0K0120-05	Soil	Total Organic Carbon - Sediment (PS)		11/18/20	0110195		
47	A0K0167-01	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/17/20	0110195		
48	0110195-DUP3	Soil	QC	QC		0110195		
49	OK09056-CCV5	Soil	QC	QC				A20I376 ✓
50	OK09056-CCB5	Soil	QC	QC				
51	A0K0167-02	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	11/17/20	0110195		

Sequence:

0K09056

Instrument:

TOC6

Date:

11/09/20 11:47

Calibration:

A0H1904

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
52	A0K0167-03	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
53	A0K0167-04	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
54	A0K0167-06	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
55	A0K0167-07	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
56	A0K0167-08	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
57	A0K0167-09	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
58	A0K0167-10	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
59	A0K0167-14	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
60	A0K0167-15	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/17/20	0110195		
61	0K09056-CCV6	Soil	QC	QC				
62	0K09056-CCB6	Soil	QC	QC				A201376 ✓

Data Entered By/Date: WVD 11/10/20

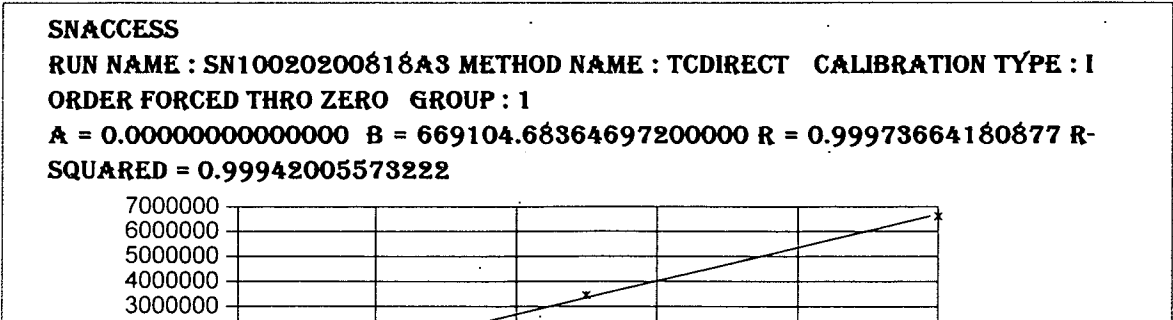
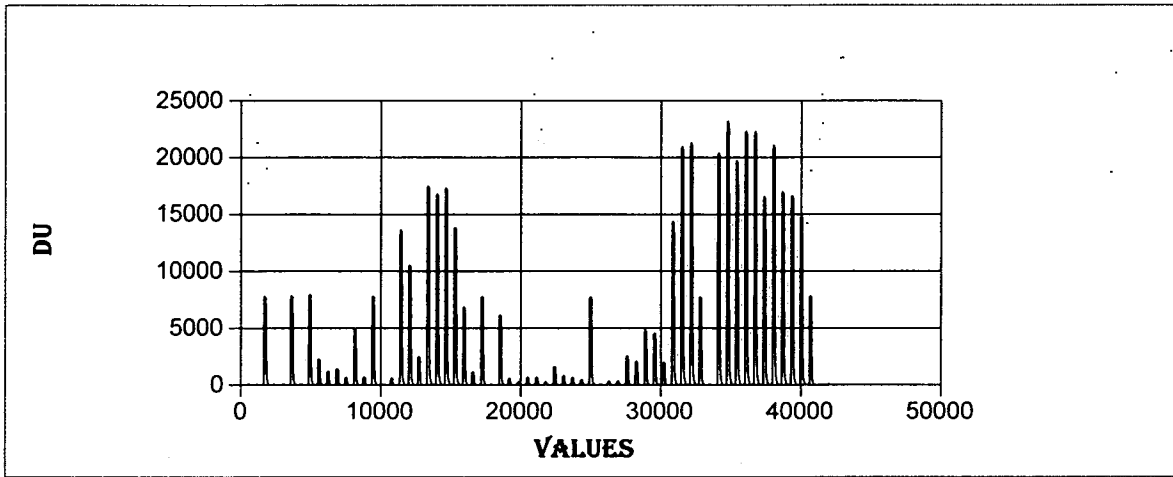
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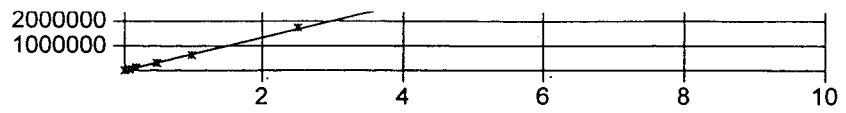
Data Reviewed By/Date: CLM 11/10/2020
11/13/20 Anchor QEA, LLC - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 2282 of 2312

Method: TCDirect Run Start Time: 11/9/2020 6:07:08 P
Method Type: TC_DIRECT Run End Time: 11/10/2020 7:12:25
Table: 0K09056 Device ID: TOC6
Analyst: Administrator Run Name: SN10020201109A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A100	PRIME	200	112.582	0.023	15065.88	11/9/2020 6:07:23 PM
A2	BLANK	200	74.996	0.015	10035.97	11/9/2020 6:18:24 PM
A1	0K09056-CCV1	200	10891.487	2.178	1457508.95	11/9/2020 6:29:17 PM
A2	0K09056-CCB1	200	55.498	0.011	7426.81	11/9/2020 6:40:03 PM
A3	0110194-BLK1	211.9	70.283	0.015	9964.92	11/9/2020 6:50:49 PM
A4	0110194-BS1	200	9855.768	1.971	1318908.045	11/9/2020 7:01:36 PM
A5	0110195-BLK1	211.9	98.365	0.021	13946.49	11/9/2020 7:12:22 PM
A6	0110195-BS1	200	9956.389	1.991	1332373.33	11/9/2020 7:23:09 PM
A7	A0I0556-35	203.9	2799.87	0.571	381987.5	11/9/2020 7:33:55 PM
A8	0110194-DUP1	203.2	1485.467	0.302	201967.13	11/9/2020 7:44:42 PM
A9	0110194-DUP2	204.3	1743.295	0.356	238305.15	11/9/2020 7:55:29 PM
A10	A0I0556-36	206.8	821.176	0.17	113626.885	11/9/2020 8:06:15 PM
A11	A0I0556-37	198.1	6101.198	1.209	808711.62	11/9/2020 8:17:02 PM
A12	A0I0556-38	207.5	848.073	0.176	117745.8	11/9/2020 8:27:49 PM
A13	0K09056-CCV2	200	9757.192	1.951	1305716.58	11/9/2020 8:38:36 PM
A2	0K09056-CCB2	200	51.788	0.01	6930.34	11/9/2020 8:49:22 PM
A14	A0I0556-39	204.3	746.627	0.153	102062.51	11/9/2020 9:00:16 PM
A15	A0J1069-27	207.8	16204.41	3.367	2253060.37	11/9/2020 9:11:11 PM
A16	A0J1069-28	202.9	12834.521	2.604	1742431.78	11/9/2020 9:21:57 PM
A17	A0J1069-29	200.9	3103.588	0.624	417194	11/9/2020 9:32:44 PM
A18	A0K0048-01	200.8	21636.558	4.345	2907006.12	11/9/2020 9:43:31 PM
A19	0110194-DUP3	204.2	20376.464	4.161	2784060.31	11/9/2020 9:54:17 PM
A20	A0K0048-02	201.2	21330.457	4.292	2871588.53	11/9/2020 10:05:04 PM
A21	A0K0048-03	207.4	16576.111	3.438	2300305.245	11/9/2020 10:15:50 PM
A22	A0K0048-04	201.7	8466.409	1.708	1142613.07	11/9/2020 10:26:36 PM
A23	A0K0048-05	205.6	1419.306	0.292	195250.94	11/9/2020 10:37:23 PM
A24	0K09056-CCV3	200	9745.614	1.949	1304167.17	11/9/2020 10:48:09 PM
A2	0K09056-CCB3	200	56.974	0.011	7624.32	11/9/2020 10:58:56 PM
A25	A0K0078-01	204.8	7507.143	1.537	1028723.63	11/9/2020 11:09:50 PM
A26	A0K0078-02	202.4	738.453	0.149	100006.335	11/9/2020 11:20:43 PM
A27	A0K0078-03	201.3	311.879	0.063	42007.21	11/9/2020 11:31:29 PM
A28	A0K0078-04	207	800.426	0.166	110862.8	11/9/2020 11:42:15 PM
A29	A0K0078-05	202.3	843.319	0.171	114151.61	11/9/2020 11:53:01 PM

A30	A0K0078-06	206	321.116	0.066	44261.22	11/10/2020 12:03:48 AM
A31	A0K0078-07	201.8	1992.902	0.402	269092.3	11/10/2020 12:14:34 AM
A32	A0K0078-08	202.1	999.304	0.202	135131.89	11/10/2020 12:25:21 AM
A33	A0K0078-09	205.5	781.722	0.161	107487.6	11/10/2020 12:36:08 AM
A34	A0K0119-01	206.6	581.482	0.12	80382.375	11/10/2020 12:46:55 AM
A35	0K09056-CCV4	200	9663.01	1.933	1293112.995	11/10/2020 12:57:41 AM
A2	0K09056-CCB4	200	47.138	0.009	6308.035	11/10/2020 1:08:28 AM
A36	0110195-DUP1	204.9	364.285	0.075	49943.25	11/10/2020 1:19:21 AM
A37	0110195-DUP2	206	415.038	0.085	57206.99	11/10/2020 1:30:14 AM
A38	A0K0119-02	206	3085.131	0.636	425240.74	11/10/2020 1:41:01 AM
A39	A0K0120-01	205.1	2554.302	0.524	350535.49	11/10/2020 1:51:47 AM
A40	A0K0120-02	206.6	5775.378	1.193	798371.09	11/10/2020 2:02:34 AM
A41	A0K0120-03	207.3	5465.961	1.133	758158.37	11/10/2020 2:13:20 AM
A42	A0K0120-04	208	2384.864	0.496	331910.52	11/10/2020 2:24:20 AM
A43	A0K0120-05	157.9	22567.857	3.563	2384330.89	11/10/2020 2:35:13 AM
A44	A0K0167-01	207.2	25075.608	5.196	3476444.4	11/10/2020 2:46:06 AM
A45	0110195-DUP3	201.4	26151.689	5.267	3524141.015	11/10/2020 2:57:00 AM
A46	0K09056-CCV5	200	9637.533	1.928	1289703.67	11/10/2020 3:07:54 AM
A2	0K09056-CCB5	200	71.379	0.014	9551.96	11/10/2020 3:18:47 AM
A47	A0K0167-02	203.3	24772.975	5.036	3369842.545	11/10/2020 3:29:41 AM
A48	A0K0167-03	205.6	28031.018	5.763	3856168.86	11/10/2020 3:40:35 AM
A49	A0K0167-04	200.6	24322.64	4.879	3264643.12	11/10/2020 3:51:28 AM
A50	A0K0167-06	199.9	27641.041	5.525	3697100.51	11/10/2020 4:02:21 AM
A51	A0K0167-07	201.9	27333.069	5.519	3692485.4	11/10/2020 4:13:15 AM
A52	A0K0167-08	201.9	20300.492	4.099	2742438.795	11/10/2020 4:24:08 AM
A53	A0K0167-09	204.3	25581.238	5.226	3496906.29	11/10/2020 4:35:02 AM
A54	A0K0167-10	205.4	20422.781	4.195	2806786.5	11/10/2020 4:45:55 AM
A55	A0K0167-14	205	20123.659	4.125	2760291.13	11/10/2020 4:56:48 AM
A56	A0K0167-15	202.6	18239.029	3.695	2472493.91	11/10/2020 5:07:42 AM
A57	0K09056-CCV5	200	9780.06	1.956	1308776.745	11/10/2020 5:18:36 AM
A2	0K09056-CCB5	200	74.017	0.015	9905.03	11/10/2020 5:29:30 AM
A1	CLEAN1 <i>W/D</i>	200	98.022	0.02	13117.365	11/10/2020 5:40:23 AM
A4	CLEAN4 <i>11/10/20</i>	200	60.567	0.012	8105.18	11/10/2020 5:51:09 AM
A6	CLEAN6	200	44.571	0.009	5964.51	11/10/2020 6:01:56 AM
A13	CLEAN13	200	33.856	0.007	4530.65	11/10/2020 6:12:43 AM
A24	CLEAN24	200	70.758	0.014	9468.86	11/10/2020 6:23:36 AM
A35	CLEAN35	200	27.162	0.005	3634.8	11/10/2020 6:34:30 AM
A46	CLEAN46	200	15.833	0.003	2118.75	11/10/2020 6:45:25 AM
A57	CLEAN57	200	26.695	0.005	3572.35	11/10/2020 6:56:19 AM





Sequence: OK09056

TOC soil final data

Analyst: WVO

Sample ID	>>> IF <<< sample is a QC reshot, replace formula with sample ID used for drying	Skalar TOC result (mg/kg)	70 °C drying correction factor (if not dried = 1)	acidification correction factor (if not acidified = 1)	Result for Element (mg/kg)
OK09056-CCV1	OK09056-CCV1	10891.487	1	1	10891.487
OK09056-CCB1	OK09056-CCB1	55.498	1	1	55.498
O110194-BLK1	O110194-BLK1	70.283	1	1	70.283
O110194-BS1	O110194-BS1	9855.768	1	1	9855.768
O110195-BLK1	O110195-BLK1	98.365	1	1	98.365
O110195-BS1	O110195-BS1	9956.389	1	1	9956.389
A0I0556-35	A0I0556-35	2799.87	0.76653	1	2146.184351
O110194-DUP1	O110194-DUP1	1485.467	0.77645	1	1153.390852
O110194-DUP2	O110194-DUP1	1743.295	0.77645	1	1353.581403
A0I0556-36	A0I0556-36	821.176	0.7562	1	620.9732912
A0I0556-37	A0I0556-37	6101.198	0.62503	1	3813.431786
A0I0556-38	A0I0556-38	848.073	0.80136	1	679.6117793
OK09056-CCV2	OK09056-CCV2	9757.192	1	1	9757.192
OK09056-CCB2	OK09056-CCB2	51.788	1	1	51.788
A0I0556-39	A0I0556-39	746.627	0.76455	1	570.8336729
A0J1069-27	A0J1069-27	16204.41	0.64735	1	10489.92481
A0J1069-28	A0J1069-28	12834.521	0.64396	1	8264.918143
A0J1069-29	A0J1069-29	3103.588	0.71275	1	2212.082347
A0K0048-01	A0K0048-01	21636.558	0.52319	1	11320.03078
O110194-DUP3	O110194-DUP3	20376.464	0.52348	1	10666.67137
A0K0048-02	A0K0048-02	21330.457	0.54193	1	11559.61456
A0K0048-03	A0K0048-03	16576.111	0.5426	1	8994.197829
A0K0048-04	A0K0048-04	8466.409	0.61939	1	5244.009071
A0K0048-05	A0K0048-05	1419.306	0.71217	1	1010.787154
OK09056-CCV3	OK09056-CCV3	9745.614	1	1	9745.614
OK09056-CCB3	OK09056-CCB3	56.974	1	1	56.974
A0K0078-01	A0K0078-01	7507.143	0.69062	1	5184.583099
A0K0078-02	A0K0078-02	738.453	0.72919	1	538.4725431
A0K0078-03	A0K0078-03	311.879	0.81159	1	253.1178776
A0K0078-04	A0K0078-04	800.426	0.70342	1	563.0356569
A0K0078-05	A0K0078-05	843.319	0.70702	1	596.2433994
A0K0078-06	A0K0078-06	321.116	0.88318	1	283.6032289
A0K0078-07	A0K0078-07	1992.902	0.73458	1	1463.945951
A0K0078-08	A0K0078-08	999.304	0.72234	1	721.8372514
A0K0078-09	A0K0078-09	781.722	0.7193	1	562.2926346
A0K0119-01	A0K0119-01	581.482	0.88571	1	515.0244222
OK09056-CCV4	OK09056-CCV4	9663.01	1	1	9663.01
OK09056-CCB4	OK09056-CCB4	47.138	1	1	47.138
O110195-DUP1	O110195-DUP1	364.285	0.87455	1	318.5854468
O110195-DUP2	O110195-DUP1	415.038	0.87455	1	362.9714829
A0K0119-02	A0K0119-02	3085.131	0.8283	1	2555.414007
A0K0120-01	A0K0120-01	2554.302	0.77439	1	1978.025926

Sequence: OK09056

TOC soil final data

Analyst: WVO

Sample ID	>>> IF <<< sample is a QC reshot, replace formula with sample ID used for drying	Skalar TOC result (mg/kg)	70 °C drying correction factor (if not dried = 1)	acidification correction factor (if not acidified = 1)	Result for Element (mg/kg)
AOK0120-02	AOK0120-02	5775.378	0.68282	1	3943.543606
AOK0120-03	AOK0120-03	5465.961	0.65923	1	3603.32547
AOK0120-04	AOK0120-04	2384.864	0.77146	1	1839.827181
AOK0120-05	AOK0120-05	22567.857	0.71634	1	16166.25868
AOK0167-01	AOK0167-01	25075.608	0.5881	1	14746.96506
0110195-DUP3	0110195-DUP3	26151.689	0.58225	1	15226.82092
OK09056-CCV5	OK09056-CCV5	9637.533	1	1	9637.533
OK09056-CCB5	OK09056-CCB5	71.379	1	1	71.379
AOK0167-02	AOK0167-02	24772.975	0.60493	1	14985.91577
AOK0167-03	AOK0167-03	28031.018	0.57813	1	16205.57244
AOK0167-04	AOK0167-04	24322.64	0.60334	1	14674.82162
AOK0167-06	AOK0167-06	27641.041	0.42147	1	11649.86955
AOK0167-07	AOK0167-07	27333.069	0.472	1	12901.20857
AOK0167-08	AOK0167-08	20300.492	0.55304	1	11226.9841
AOK0167-09	AOK0167-09	25581.238	0.53612	1	13714.61332
AOK0167-10	AOK0167-10	20422.781	0.58475	1	11942.22119
AOK0167-14	AOK0167-14	20123.659	0.64349	1	12949.37333
AOK0167-15	AOK0167-15	18239.029	0.64447	1	11754.50702
OK09056-CCV5 <i>6</i>	OK09056-CCV5 <i>6</i>	9637.533	9780.06	1	9637.533
OK09056-CCB5 <i>6</i>	OK09056-CCB5 <i>6</i>	71.379	74.017	1	71.379

WVO 11/10/20

Make correction & saved as OK09056 corrected .xlsx

WVO 11/10/20

**Conventional Chemistry Parameters
Total Organic Carbon- Soil (SM 5310 B)
Calibration Data**

Sequence 0H18059 (Cal ID A0H1904) TOC6



ELEMENT SEQUENCE LOG

Apex Laboratories

AUG 24 2020

Sequence: 0H18059 -

Instrument: TOC6

Date: 08/18/20 16:37

Calibration: AOH1804

AOH1904 mo 8/19/20

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0H18059-CAL1	Sediment	QC	QC				
2	0H18059-CAL2	Sediment	QC	QC				A20H281 -
3	0H18059-CAL3	Sediment	QC	QC				A20H282 -
4	0H18059-CAL4	Sediment	QC	QC				A20H283 -
5	0H18059-CAL5	Sediment	QC	QC				A20H284 -
6	0H18059-CAL6	Sediment	QC	QC				A20H285 -
7	0H18059-CAL7	Sediment	QC	QC				A20H286 -
8	0H18059-CAL8	Sediment	QC	QC				A20H287 -
9	0H18059-CAL9	Sediment	QC	QC				A20H288 -
10	0H18059-ICV1	Sediment	QC	QC				A20E110 -
11	0H18059-ICB1	Sediment	QC	QC				

Data Entered By/Date: *WVO 8/18/20*

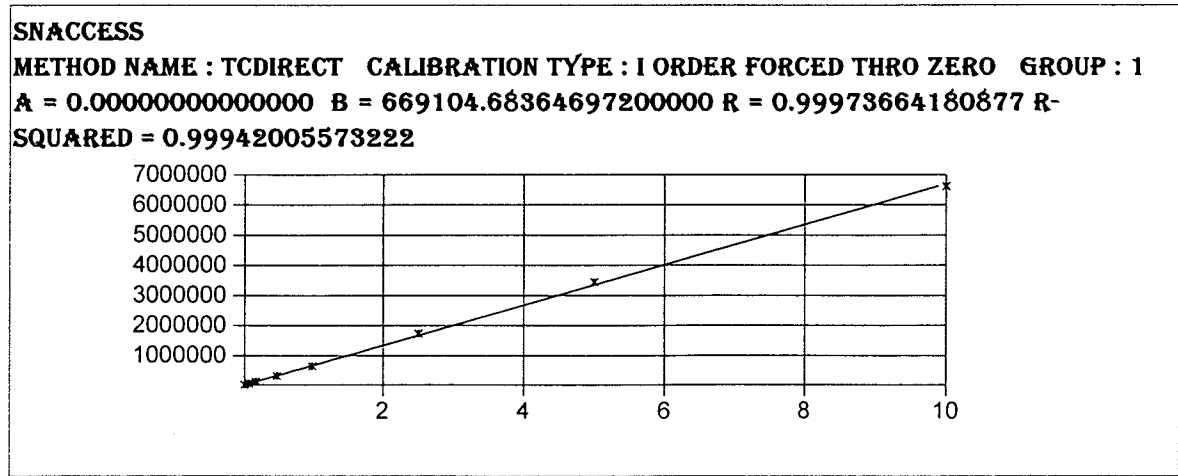
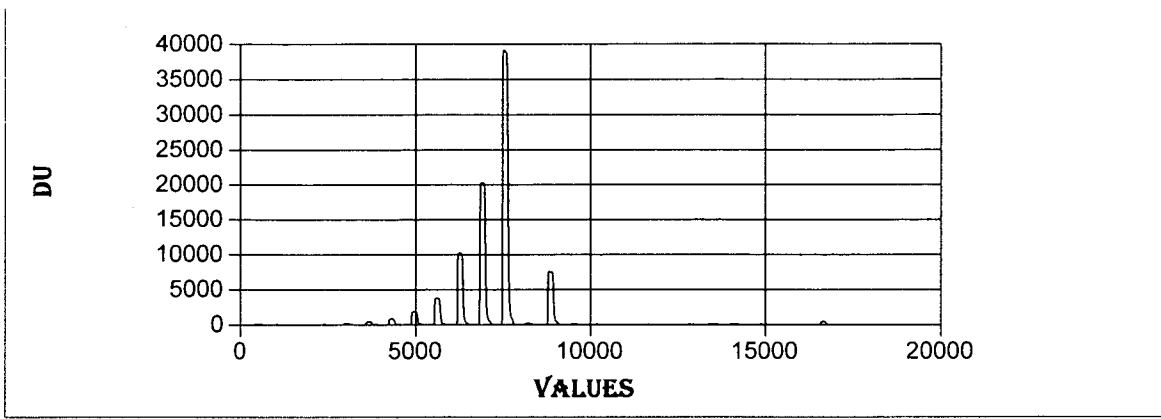
Comments:

Data Reviewed By/Date: *AWZ 8/19/2020*

Method: TCDirect Run Start Time: 8/18/2020 4:59:13 P
 Method Type: TC_DIRECT Run End Time: 8/18/2020 9:46:17 P
 Table: OH18059 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200818A3

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	105.248	0.021	14084.43	8/18/2020 4:59:24 PM
A18	blank	200	0	0	0	8/18/2020 5:10:25 PM
A2	blank	200	19.356	0.004	2590.265	8/18/2020 5:21:20 PM
A18	OH18059-CAL1	200	0	0	0	8/18/2020 5:32:13 PM
A19	OH18059-CAL2	40	1140.934	0.046	30536.16	8/18/2020 5:43:07 PM
A20	OH18059-CAL3	100	1075.239	0.108	71944.735	8/18/2020 5:53:54 PM
A21	OH18059-CAL4	200	1074.057	0.215	143731.35	8/18/2020 6:04:42 PM
A22	OH18059-CAL5	50	9779.244	0.489	327166.91	8/18/2020 6:15:28 PM
A23	OH18059-CAL6	100	9754.176	0.975	652656.49	8/18/2020 6:26:14 PM
A24	OH18059-CAL7	250	10405.909	2.601	1740660.62	8/18/2020 6:37:07 PM
A25	OH18059-CAL8	500	10328.711	5.164	3455494.44	8/18/2020 6:47:54 PM
A26	OH18059-CAL9	1000	9895.069	9.895	6620837.05	8/18/2020 6:58:40 PM
A98	OH18059-IBL1	200	251.829	0.05	33699.97	8/18/2020 7:09:26 PM
A27	OH18059-ICV1	200	9819.341 ✓	1.964	1314033.455	8/18/2020 7:20:27 PM
A2	OH18059-ICB1	200	162.52 ✓	0.033	21748.54	8/18/2020 7:31:13 PM
A19	CLEAN19	200	85.855	0.017	11489.14	8/18/2020 7:42:06 PM
A20	CLEAN20	200	62.561	0.013	8372.015	8/18/2020 7:53:00 PM
A21	CLEAN21	200	48.713	0.01	6518.76	8/18/2020 8:03:53 PM
A22	CLEAN22	200	48.015	0.01	6425.385	8/18/2020 8:14:46 PM
A23	CLEAN23	200	69.557	0.014	9308.23	8/18/2020 8:25:32 PM
A24	CLEAN24	200	46.695	0.009	6248.81	8/18/2020 8:36:19 PM
A25	CLEAN25	200	89.279	0.018	11947.395	8/18/2020 8:47:05 PM
A26	CLEAN26	200	49.395	0.01	6610.08	8/18/2020 8:57:52 PM
A27	CLEAN27	200	50.304	0.01	6731.79	8/18/2020 9:08:38 PM
A28	CLEAN28	200	23.025	0.005	3081.205	8/18/2020 9:19:31 PM
A30	CLEAN30	200	558.249	0.112	74705.365	8/18/2020 9:30:18 PM

Handwritten notes:
 WWS 8/19/20
 2445 = 0.489
 4875 = 0.975
 13,005 = 2.601
 5.164 = 25,820
 44475 = 9.895
 0.0002
 -230 -
 -540 -
 -1075 -
 WWS 8/19/20



Date : 8/19/2020

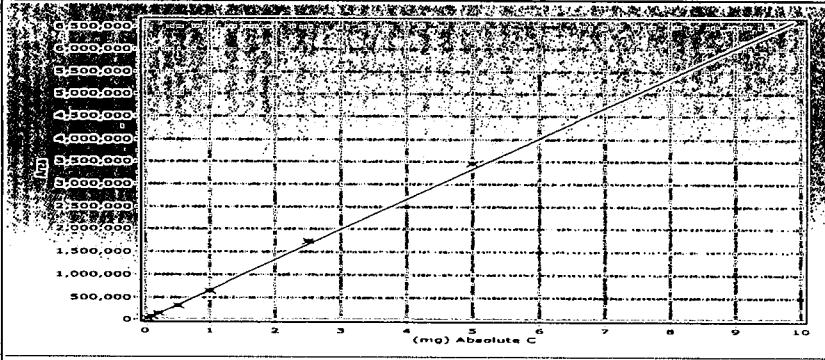
Run start date time : 8/18/2020 4:59:13 PM

Run end date : 8/18/2020 9:46:13 PM

Run Display Name : 0H18059

Run DB : SN10020200818A3

Created User : Administrator



Method Name	TCDirect		
Type	Order Forced thro Zero	Group =	
a =	0	r =	0.99973664180877
b =	669104.683646972	R-Squared =	0.99942005573222

Serial No.	Position	Type	Identity	Weight	Peak Area	Residuals
5	A19	S	0H18059-CAL2	40	30536.1600	12.3525
6	A20	S	0H18059-CAL3	100	71944.7350	6.9974
7	A21	S	0H18059-CAL4	200	143731.3500	6.8951
8	A22	S	0H18059-CAL5	50	327166.9100	2.2574
9	A23	S	0H18059-CAL6	100	652656.4900	2.5202
10	A24	S	0H18059-CAL7	250	1740660.6200	3.9008
11	A25	S	0H18059-CAL8	500	3455494.4400	3.1825
12	A26	S	0H18059-CAL9	1000	6620837.0500	1.0604

OK
 8/19/2020
 ↓

**Total Solids by SM2540G
Benchsheet Data**

Batch 0090759 (A0I0556-29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45)

Batch 0090868 (A0I0556-04,48)

Batch 0090890 (A0I0556-08,09,10,11,14,17,20,21,22,23,24,27,28)

Batch 0100056 (A0I0556-07)



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

OCT 01 2020

BATCH #: 0090759 (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
A0I0556-29	Dry Weight		09/25/20 13:22		1.2933	26.4481	14.9858	54.4 ✓	Use Results from TS.. Make NR once completed.
A0I0556-29	Solids, Total (SM 254)		09/25/20 13:22		1.2933	26.4481	14.9858	54.4 ✓	Use Results for Dry Weight (Not for Waters)
0090759-DUP1	QC	A0I0556-29	09/25/20 13:22		1.2815	26.6668	15.2668	55.1 ✓	
A0I0556-30	Dry Weight		09/25/20 13:22		1.2943	26.2257	12.0252	43.0 ✓	Use Results from TS.. Make NR once completed.
A0I0556-30	Solids, Total (SM 254)		09/25/20 13:22		1.2943	26.2257	12.0252	43.0 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-31	Dry Weight		09/25/20 13:22		1.2921	26.4207	15.4321	56.3 ✓	Use Results from TS.. Make NR once completed.
A0I0556-31	Solids, Total (SM 254)		09/25/20 13:22		1.2921	26.4207	15.4321	56.3 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-32	Dry Weight		09/25/20 13:22		1.3071	26.4757	15.8375	57.7 ✓	Use Results from TS.. Make NR once completed.
A0I0556-32	Solids, Total (SM 254)		09/25/20 13:22		1.3071	26.4757	15.8375	57.7 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-33	Dry Weight		09/25/20 13:22		1.2884	26.5696	18.6218	68.6 ✓	Use Results from TS.. Make NR once completed.
A0I0556-33	Solids, Total (SM 254)		09/25/20 13:22		1.2884	26.5696	18.6218	68.6 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-34	Dry Weight		09/25/20 13:22		1.2876	26.6957	18.4429	67.5 ✓	Use Results from TS.. Make NR once completed.
A0I0556-34	Solids, Total (SM 254)		09/25/20 13:22		1.2876	26.6957	18.4429	67.5 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-35	Dry Weight		09/25/20 13:22		1.2878	26.511	20.8119	77.4 ✓	Use Results from TS.. Make NR once completed.
A0I0556-35	Solids, Total (SM 254)		09/25/20 13:22		1.2878	26.511	20.8119	77.4 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-36	Dry Weight		09/25/20 13:22		1.2826	26.4991	20.1885	75.0 ✓	Use Results from TS.. Make NR once completed.
A0I0556-36	Solids, Total (SM 254)		09/25/20 13:22		1.2826	26.4991	20.1885	75.0 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-37	Dry Weight		09/25/20 13:22		1.2862	26.6657	18.8132	69.1 ✓	Use Results from TS.. Make NR once completed.
A0I0556-37	Solids, Total (SM 254)		09/25/20 13:22		1.2862	26.6657	18.8132	69.1 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-38	Dry Weight		09/25/20 13:22		1.2822	26.5477	20.6918	76.8 ✓	Use Results from TS.. Make NR once completed.
A0I0556-38	Solids, Total (SM 254)		09/25/20 13:22		1.2822	26.5477	20.6918	76.8 ✓	Use Results for Dry Weight (Not for Waters)

Prepared By: AMB Date: 09/29/20

Reviewed By: CUM Date: 9/29/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0090759 (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
A0I0556-39	Dry Weight		09/25/20 13:22		1.2785	26.633	20.6262	76.3 -	Use Results from TS.. Make NR once completed.
A0I0556-39	Solids, Total (SM 254		09/25/20 13:22		1.2785	26.633	20.6262	76.3 -	Use Results for Dry Weight (Not for Waters)
A0I0556-40	Dry Weight		09/25/20 13:22		1.3052	25.9764	22.8301	87.2 -	Use Results from TS.. Make NR once completed.
A0I0556-40	Solids, Total (SM 254		09/25/20 13:22		1.3052	25.9764	22.8301	87.2 -	Use Results for Dry Weight (Not for Waters)
A0I0556-41	Dry Weight		09/25/20 13:22		1.2973	26.675	23.2508	86.5 -	Use Results from TS.. Make NR once completed.
A0I0556-41	Solids, Total (SM 254		09/25/20 13:22		1.2973	26.675	23.2508	86.5 -	Use Results for Dry Weight (Not for Waters)
0090759-DUP2	QC	A0I0556-41	09/25/20 13:22		1.285	26.9545	22.1667	81.3 -	
A0I0556-42	Dry Weight		09/25/20 13:22		1.2864	26.631	19.3449	71.3 -	Use Results from TS.. Make NR once completed.
A0I0556-42	Solids, Total (SM 254		09/25/20 13:22		1.2864	26.631	19.3449	71.3 -	Use Results for Dry Weight (Not for Waters)
A0I0556-43	Dry Weight		09/25/20 13:22		1.3048	26.2509	18.1468	67.5 -	Use Results from TS.. Make NR once completed.
A0I0556-43	Solids, Total (SM 254		09/25/20 13:22		1.3048	26.2509	18.1468	67.5 -	Use Results for Dry Weight (Not for Waters)
A0I0556-44	Dry Weight		09/25/20 13:22		1.2875	26.3128	18.9281	70.5 -	Use Results from TS.. Make NR once completed.
A0I0556-44	Solids, Total (SM 254		09/25/20 13:22		1.2875	26.3128	18.9281	70.5 -	Use Results for Dry Weight (Not for Waters)
A0I0556-45	Dry Weight		09/25/20 13:22		1.2903	26.6981	19.7274	72.6 -	Use Results from TS.. Make NR once completed.
A0I0556-45	Solids, Total (SM 254		09/25/20 13:22		1.2903	26.6981	19.7274	72.6 -	Use Results for Dry Weight (Not for Waters)

Prepared By: Amb Date: 09/29/20

Reviewed By: _____ Date: _____

Percent Solids + Dry Weight Worksheet

BATCH #: 0090868 (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
A0I0556-04	Dry Weight		09/30/20 08:16		1.2892 -	26.2549 -	15.3783 -	56.4 ✓	Use Results from TS.. Make NR once completed.
A0I0556-04	Solids, Total (SM 254)		09/30/20 08:16		1.2892 ✓	26.2549 ✓	15.3783 -	56.4 ✓	Use Results for Dry Weight (Not for Waters)
0090868-DUPI	QC	A0I0556-04	09/30/20 08:16		1.3001 -	26.4458 -	15.6375 -	57.0 -	
A0I0556-48	Dry Weight		09/30/20 08:16		1.2801 ✓	26.4671 -	15.8548 -	57.9 -	Use Results from TS.. Make NR once completed.
A0I0556-48	Solids, Total (SM 254)		09/30/20 08:16		1.2801 -	26.4671 -	15.8548 ✓	57.9 -	Use Results for Dry Weight (Not for Waters)
A0I0588-01	Dry Weight		09/30/20 08:16		1.2799 -	26.9025 -	20.7172 -	75.9 -	use TS data
A0I0588-01	Solids, Total (SM 254)		09/30/20 08:16		1.2799 ✓	26.9025 ✓	20.7172 ✓	75.9 ✓	enter TS data into DW
A0I0590-01	Dry Weight		09/30/20 08:16		1.2824 -	26.5833 -	18.7525 -	69.0 ✓	use TS data
A0I0590-01	Solids, Total (SM 254)		09/30/20 08:16		1.2824 ✓	26.5833 ✓	18.7525 -	69.0 ✓	enter TS data into DW
A0I0590-02	Dry Weight		09/30/20 08:16		1.2864 -	26.3273 -	18.2651 -	67.8 -	use TS data
A0I0590-02	Solids, Total (SM 254)		09/30/20 08:16		1.2864 ✓	26.3273 ✓	18.2651 ✓	67.8 ✓	enter TS data into DW
A0I0706-02	Dry Weight		09/30/20 08:16		1.3097 -	26.9932 -	18.1249 -	65.5 -	use TS data
A0I0706-02	Solids, Total (SM 254)		09/30/20 08:16		1.3097 ✓	26.9932 ✓	18.1249 ✓	65.5 ✓	enter TS data into DW
A0I0707-01	Dry Weight		09/30/20 08:16		1.2804 -	26.4837 -	16.0767 -	58.7 -	use TS data
A0I0707-01	Solids, Total (SM 254)		09/30/20 08:16		1.2804 ✓	26.4837 ✓	16.0767 ✓	58.7 ✓	enter TS data into DW
A0I0708-01	Dry Weight		09/30/20 08:16		1.2844 -	26.577 -	15.2453 -	55.2 -	use TS data
A0I0708-01	Solids, Total (SM 254)		09/30/20 08:16		1.2844 -	26.577 ✓	15.2453 -	55.2 ✓	enter TS data into DW
A0I0708-02	Dry Weight		09/30/20 08:16		1.3025 -	26.5026 -	14.8538 -	53.8 -	use TS data
A0I0708-02	Solids, Total (SM 254)		09/30/20 08:16		1.3025 ✓	26.5026 ✓	14.8538 ✓	53.8 ✓	enter TS data into DW
A0I0708-03	Dry Weight		09/30/20 08:16		1.2948 -	26.8423 -	16.0535 -	57.8 -	use TS data
A0I0708-03	Solids, Total (SM 254)		09/30/20 08:16		1.2948 ✓	26.8423 -	16.0535 -	57.8 ✓	enter TS data into DW

Prepared By: AMB Date: 10/1/20

Reviewed By: AMB Date: 10/1/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0090868 (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
A0I0709-01	Dry Weight		09/30/20 08:16		1.2861 -	26.7315 -	18.1451 -	66.3 -	use TS data
A0I0709-01	Solids, Total (SM 254		09/30/20 08:16		1.2861 -	26.7315 -	18.1451 ✓	66.3 ✓	enter TS data into DW
A0I0709-02	Dry Weight		09/30/20 08:16		1.3096 -	26.4163 -	17.2198 -	63.4 -	use TS data
A0I0709-02	Solids, Total (SM 254		09/30/20 08:16		1.3096 -	26.4163 ✓	17.2198 ✓	63.4 ✓	enter TS data into DW
A0I0710-01	Dry Weight		09/30/20 08:16		1.2796 -	26.8119 -	13.7546 -	48.9 -	use TS data
A0I0710-01	Solids, Total (SM 254		09/30/20 08:16		1.2796 ✓	26.8119 -	13.7546 -	48.9 ✓	enter TS data into DW
0090868-DUP2	QC	A0I0710-01	09/30/20 08:16		1.2823 -	26.679 -	14.1097 -	50.5 -	
A0I0710-02	Dry Weight		09/30/20 08:16		1.2781 -	26.5917 -	19.7234 -	72.9 -	use TS data
A0I0710-02	Solids, Total (SM 254		09/30/20 08:16		1.2781 -	26.5917 ✓	19.7234 ✓	72.9 ✓	enter TS data into DW
A0I0751-01	Dry Weight		09/30/20 08:16		1.3019 -	26.6913 -	18.9757 -	69.6 -	use TS data
A0I0751-01	Solids, Total (SM 254		09/30/20 08:16		1.3019 ✓	26.6913 ✓	18.9757 -	69.6 ✓	enter TS data into DW
A0I0751-02	Dry Weight		09/30/20 08:16		1.2844 -	26.7335 -	18.7754 -	68.7 -	use TS data
A0I0751-02	Solids, Total (SM 254		09/30/20 08:16		1.2844 ✓	26.7335 ✓	18.7754 ✓	68.7 ✓	enter TS data into DW

Prepared By: AMB Date: 10/1/20

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

OCT 05 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0090890 (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
A0I0556-08	Dry Weight		09/30/20 11:24		1.3050	26.9132	15.5029	55.4	Use Results from TS.. Make NR once completed.
A0I0556-08	Solids, Total (SM 254)		09/30/20 11:24		1.3050	26.9132	15.5029	55.4	Use Results for Dry Weight (Not for Waters)
A0I0556-09	Dry Weight		09/30/20 11:24		1.2968	26.2345	17.193	63.7	Use Results from TS.. Make NR once completed.
A0I0556-09	Solids, Total (SM 254)		09/30/20 11:24		1.2968	26.2345	17.193	63.7	Use Results for Dry Weight (Not for Waters)
A0I0556-10	Dry Weight		09/30/20 11:24		1.2928	27.0261	17.3396	62.4	Use Results from TS.. Make NR once completed.
A0I0556-10	Solids, Total (SM 254)		09/30/20 11:24		1.2928	27.0261	17.3396	62.4	Use Results for Dry Weight (Not for Waters)
A0I0556-11	Dry Weight		09/30/20 11:24		1.2989	26.9105	18.0581	65.4	Use Results from TS.. Make NR once completed.
A0I0556-11	Solids, Total (SM 254)		09/30/20 11:24		1.2989	26.9105	18.0581	65.4	Use Results for Dry Weight (Not for Waters)
A0I0556-14	Dry Weight		09/30/20 11:24		1.3015	26.6184	16.2327	59.0	Use Results from TS.. Make NR once completed.
A0I0556-14	Solids, Total (SM 254)		09/30/20 11:24		1.3015	26.6184	16.2327	59.0	Use Results for Dry Weight (Not for Waters)
A0I0556-17	Dry Weight		09/30/20 11:24		1.2951	26.8008	16.2661	58.7	Use Results from TS.. Make NR once completed.
A0I0556-17	Solids, Total (SM 254)		09/30/20 11:24		1.2951	26.8008	16.2661	58.7	Use Results for Dry Weight (Not for Waters)
0090890-DUP2	QC	A0I0556-17	09/30/20 11:24		1.2992	26.4904	16.4285	60.1	
A0I0556-20	Dry Weight		09/30/20 11:24		1.3100	26.9576	17.6255	63.6	Use Results from TS.. Make NR once completed.
A0I0556-20	Solids, Total (SM 254)		09/30/20 11:24		1.3100	26.9576	17.6255	63.6	Use Results for Dry Weight (Not for Waters)
A0I0556-21	Dry Weight		09/30/20 11:24		1.2976	26.5023	16.6006	60.7	Use Results from TS.. Make NR once completed.
A0I0556-21	Solids, Total (SM 254)		09/30/20 11:24		1.2976	26.5023	16.6006	60.7	Use Results for Dry Weight (Not for Waters)
A0I0556-22	Dry Weight		09/30/20 11:24		1.3034	26.6725	17.077	62.2	Use Results from TS.. Make NR once completed.
A0I0556-22	Solids, Total (SM 254)		09/30/20 11:24		1.3034	26.6725	17.077	62.2	Use Results for Dry Weight (Not for Waters)
A0I0556-23	Dry Weight		09/30/20 11:24		1.3134	26.9383	15.2904	54.5	Use Results from TS.. Make NR once completed.
A0I0556-23	Solids, Total (SM 254)		09/30/20 11:24		1.3134	26.9383	15.2904	54.5	Use Results for Dry Weight (Not for Waters)

Prepared By: AMB Date: 10/1/2020

Reviewed By: AMB Date: 10/1/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0090890 (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
A0I0556-24	Dry Weight		09/30/20 11:24		1.3034 -	26.7177 -	15.6748 -	56.5 -	Use Results from TS.. Make NR once completed.
A0I0556-24	Solids, Total (SM 254)		09/30/20 11:24		1.3034 ✓	26.7177 ✓	15.6748 ✓	56.5 ✓	Use Results for Dry Weight (Not for Waters)
A0I0556-27	Dry Weight		09/30/20 11:24		1.3043 -	26.2371 -	15.4269 -	56.6 -	Use Results from TS.. Make NR once completed.
A0I0556-27	Solids, Total (SM 254)		09/30/20 11:24		1.3043 ✓	26.2371 -	15.4269 ✓	56.6 -	Use Results for Dry Weight (Not for Waters)
A0I0556-28	Dry Weight		09/30/20 11:24		1.2978 -	26.698 -	16.1562 -	58.5 -	Use Results from TS.. Make NR once completed.
A0I0556-28	Solids, Total (SM 254)		09/30/20 11:24		1.2978 ✓	26.698 -	16.1562 ✓	58.5 -	Use Results for Dry Weight (Not for Waters)
A0I0596-01	Dry Weight		09/30/20 11:24		1.2846 -	26.8057 -	19.847 -	72.7 ✓	use TS data
A0I0596-01	Solids, Total (SM 254)		09/30/20 11:24		1.2846 ✓	26.8057 -	19.847 ✓	72.7 -	enter TS data into DW
0090890-DUP1	QC	A0I0596-01	09/30/20 11:24		1.2962 -	26.5067 -	19.9729 -	74.1 -	
A0I0596-02	Dry Weight		09/30/20 11:24		1.2938 -	26.996 -	19.2991 -	70.1 -	use TS data
A0I0596-02	Solids, Total (SM 254)		09/30/20 11:24		1.2938 ✓	26.996 -	19.2991 ✓	70.1 -	enter TS data into DW
A0I0596-03	Dry Weight		09/30/20 11:24		1.2846 -	25.3346 -	19.2345 -	74.6 -	use TS data
A0I0596-03	Solids, Total (SM 254)		09/30/20 11:24		1.2846 ✓	25.3346 -	19.2345 -	74.6 -	enter TS data into DW
A0I0601-01	Dry Weight		09/30/20 11:24		1.2941 -	26.6016 -	15.2273 -	55.1 -	use TS data
A0I0601-01	Solids, Total (SM 254)		09/30/20 11:24		1.2941 -	26.6016 -	15.2273 -	55.1 -	enter TS data into DW
A0I0706-01	Dry Weight		09/30/20 11:24		1.2906 -	26.5385 -	18.0864 -	66.5 -	use TS data
A0I0706-01	Solids, Total (SM 254)		09/30/20 11:24		1.2906 ✓	26.5385 ✓	18.0864 -	66.5 ✓	enter TS data into DW

Prepared By: Amb Date: 10/1/20

Reviewed By: _____ Date: _____

Total Solids Worksheet

Analyst: has

Date: 09/30/20

Batch: 0090890

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0I0556-08	556-08	1.3050	26.9132	15.5029	15.5111	
A0I0556-09	556-09	1.2968	26.2345	17.193	17.2068	
A0I0556-10	556-10	1.2928	27.0261	17.3396	17.346	
A0I0556-11	556-11	1.2989	26.9105	18.0581	18.068	
A0I0556-14	556-14	1.3015	26.6184	16.2327	16.24	
A0I0556-17	556-17	1.2951	26.8008	16.2661	16.278	
0090890-DUP2	17-DUP2	1.2992	26.4904	16.4285	16.4331	
A0I0556-20	556-20	1.31	26.9576	17.6255	17.6324	
A0I0556-21	556-21	1.2976	26.5023	16.6006	16.6082	
A0I0556-22	556-22	1.3034	26.6725	17.077	17.0866	
A0I0556-23	556-23	1.3134	26.9383	15.2904	15.2993	
A0I0556-24	556-24	1.3043	26.7177	15.6748	15.6786	
A0I0556-27	556-27	1.3043	26.2371	15.4269	15.4316	
A0I0556-28	556-28	1.2978	26.698	16.1562	16.1649	
A0I0596-01	596-01	1.2846	26.8057	19.847	19.8515	
0090890-DUP1	01-DUP1	1.2962	26.5067	19.9729	19.9756	
A0I0596-02	596-02	1.2938	26.9996	19.2991	19.3037	
A0I0596-03	596-03	1.2846	25.3346	19.2345	19.2386	
A0I0601-01	601-01	1.2941	26.6016	15.2273	15.2322	
A0I0706-01	706-01	1.2906	26.5385	18.0864	18.0915	

Oven Temp at Sample Introduction	104.2	✓	103.0	✓	*Constant weight = +/- 50 mg.
Oven Temp at sample removal	103.2	✓	103.6	✓	
Time/date	10/01 1119	✓	10/1 1334	✓	



PREPARATION BENCH SHEET

BATCH #: 0100056 (Sediment)

Prep Method: Total Solids (SM2540G/PSEP)

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-8	>11
	A010556-07	B Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					PDI-069SC-B-08-10-191016	Use Results for Dry Weight (Not for Waters)			
	A010556-07	B Dry Weight	10/02/20 09:09	1	1					PDI-069SC-B-08-10-191016	Use Results from TS.. Make NR once completed.			
	A010705-01	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-G046	enter total solids results for dry weight			
	A010705-01	A Dry Weight	10/02/20 09:09	1	1					WC-G046	Total Solids will be entered for dry weight			
	0100056-DUP1	QC	10/02/20 09:09	1	1		A010705-01							
	A010705-02	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-G049	enter total solids results for dry weight			
	A010705-02	A Dry Weight	10/02/20 09:09	1	1					WC-G049	Total Solids will be entered for dry weight			
	A010705-03	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-G052	enter total solids results for dry weight			
	A010705-03	A Dry Weight	10/02/20 09:09	1	1					WC-G052	Total Solids will be entered for dry weight			
	A010750-01	A Dry Weight	10/02/20 09:09	1	1					NCPDI-011SG-200926	use TS data			
	A010750-01	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					NCPDI-011SG-200926	enter TS data into DW			
	A010750-02	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					NCPDI-014SG-200926	enter TS data into DW			
	A010750-02	A Dry Weight	10/02/20 09:09	1	1					NCPDI-014SG-200926	use TS data			
	A010750-03	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					NCPDI-1014SG-200926	enter TS data into DW			
	A010750-03	A Dry Weight	10/02/20 09:09	1	1					NCPDI-1014SG-200926	use TS data			
	A010750-04	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					NCPDI-018SG-200926	enter TS data into DW			
	A010750-04	A Dry Weight	10/02/20 09:09	1	1					NCPDI-018SG-200926	use TS data			
	A010750-05	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					NCPDI-070SG-200926	enter TS data into DW			

Prepared By: MAS Date: 10/5/20

Reviewed By: [Signature] Date: 10/5/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100056 (Sediment)

Prep Method: Total Solids (SM2540G/PSEP)

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	7	>11
	A010750-05	A Dry Weight	10/02/20 09:09	1	1					NCPDI-070SG-200926	use TS data			
	A010763-01	A Dry Weight	10/02/20 09:09	1	1					WC-C006-2-3	Total Solids will be entered for dry weight			
	A010763-01	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-C006-2-3	enter total solids results for dry weight			
	A010763-02	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-C006-3-4	enter total solids results for dry weight			
	A010763-02	A Dry Weight	10/02/20 09:09	1	1					WC-C006-3-4	Total Solids will be entered for dry weight			
	A010763-03	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-C038-3-5	enter total solids results for dry weight			
	A010763-03	A Dry Weight	10/02/20 09:09	1	1					WC-C038-3-5	Total Solids will be entered for dry weight			
	A010763-04	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-C041-3-5	enter total solids results for dry weight			
	A010763-04	A Dry Weight	10/02/20 09:09	1	1					WC-C041-3-5	Total Solids will be entered for dry weight			
	A010763-05	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-C1041-3-5	enter total solids results for dry weight			
	A010763-05	A Dry Weight	10/02/20 09:09	1	1					WC-C1041-3-5	Total Solids will be entered for dry weight			
	A010763-06	A Dry Weight	10/02/20 09:09	1	1					WC-C042-3-5	Total Solids will be entered for dry weight			
	A010763-06	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-C042-3-5	enter total solids results for dry weight			
	A010821-05	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					RM11E-C101-4-5	need 3 day TAT enter total solids results for dry weight			
	A010821-05	A Dry Weight	10/02/20 09:09	1	1					RM11E-C101-4-5	Total Solids will be entered for dry weight			
	0100056-DUP2	QC	10/02/20 09:09	1	1		A010821-05							
	A010821-06	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					RM11E-C5101-4-5	need 3 day TAT enter total solids results for dry weight			
	A010821-06	A Dry Weight	10/02/20 09:09	1	1					RM11E-C5101-4-5	Total Solids will be entered for dry weight			

Prepared By: MAS Date: 10/5/20

Reviewed By: _____ Date: _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100056 (Sediment)

Prep Method: Total Solids (SM2540G/PSEP)

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-8	>11
	A010840-01	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-G001	enter total solids results for dry weight			
	A010840-01	A Dry Weight	10/02/20 09:09	1	1					WC-G001	Total Solids will be entered for dry weight			
	A010840-03	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-G002	enter total solids results for dry weight			
	A010840-03	A Dry Weight	10/02/20 09:09	1	1					WC-G002	Total Solids will be entered for dry weight			
	A010840-04	A Solids, Total (SM 2540 G,B)	10/02/20 09:09	1	1					WC-G003	enter total solids results for dry weight			
	A010840-04	A Dry Weight	10/02/20 09:09	1	1					WC-G003	Total Solids will be entered for dry weight			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L220	11/30/23	Wet Chem Balance 1						
A20E184	12/31/29	VWR003V						

Prepared By: HAS Date: 10/5/20

Reviewed By: _____ Date: _____

Balance Checksheets

Extractions September 2020

Extractions October 2020

Wet Chem September 2020

Wet Chem October 2020

Balance Challenge Log

Extractions

AND FX-2000
ID# 5210177

Weight ID	weight (g)	acceptance range (g)	
	=/<1g	± 0.02g	
	>1g	± 2%	
10077	0.5g	0.48	0.52
1000143395	300g	294.00	306.00

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: September
Year: 2020

Alternate Weight/ID used: _____
Date Range: _____

Day/Time	Initials
1 652	SCC
2 649	SCC
3 656	SCC
4 654	SCC
5	
6	
7	
8 651	SCC
9 652	SCC
10 652	SCC
11 652	SCC
12	
13	
14 655	SCC
15 647	SCC
16 649	SCC
17 650	SCC
18 653	SCC
19	
20	
21 650	SCC
22 652	SCC
23 654	SCC
24 655	SCC
25 653	SCC
26	
27	
28 0650	SCC
29 0649	SCC
30 0647	SCC
31 0648	SCC

Weight One	Observed	Weight Two	Observed
	0.50		299.99
	0.49		300.00
	0.50		300.01
	0.50		300.00
	0.51		299.99
	0.51		299.99
	0.50		299.99
	0.50		299.99
	0.51		300.01
	0.51		300.00
0.50g	0.49	300.00g	300.00
	0.51		299.99
	0.50		300.00
	0.50		300.03
	0.51		300.03
	0.51		300.04
	0.49		300.04
	0.51		300.04
	0.50		300.03
	0.49		300.03
	0.49		300.02
	0.50		300.02

-SCC
09/24/20

SCC
09

-SCC
10/01/2020

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: September
Year: 2020

Alternate Weight/ID used:

Date Range:

Day/Time	Initials
1 9:08:35	HAS
2 10:09	HAS
3 8:47	HAS
4 9:10	HAS
5	
6	
7	
8	
9 1039	AMB
10 1041	AMB
11 0913	MVD
12	
13	
14 804	HAS
15 1027	AMB
16 1004	HAS
17 1132	AMB
18 0935	HAS
19	
20	
21 1008	HAS
22 1251	AMB
23 1115	AMB
24 1120	AMB
25 0951	HAS
26	
27 1140	HAS
28 1140	HAS
29 1104	AMB
30 0956	HAS
31	

Weight 1	Observed
	100.005
	100.0012
	100.0006
	100.0005
	99.9972
	99.9988
	99.9985
	100.0003
	100.0004
100.0000g	100.0003
	100.0003
	100.0013
	100.0017
	100.0013
	100.0010
	100.0013
	100.0020
	100.0014
	100.0014
	100.0010
	100.0009

Weight 2	Observed
	0.1005
	0.1001
	0.0999
	0.0999
	0.0998
	0.1000
	0.1000
	0.1000
	0.0999
0.1000g	0.0997
	0.0998
	0.1001
	0.1001
	0.1001
	0.0999
	0.1001
	0.0999
	0.1000
	0.1000
	0.1003
	0.0995

Weight 3	Observed
	0.0053
	0.0051
	0.0052
	0.0051
	0.0051
	0.0051
	0.0051
	0.0054
	0.0049
.0050g	0.0048
	0.0049
	0.0047
	0.0051
	0.0047
	0.0054
	0.0054
	0.0049
	0.0050
	0.0051
	0.0051
	0.0048
	0.0050

