



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 #:
A0E0668**

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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Extractions June 2020

Wet Chem June 2020

Analytical Case Narrative

Analytical Case Narrative

Client: Anchor QEA, LLC
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Apex Work Order Number: A0E0668

Date: 07/14/2020

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

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

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

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



Estella Rieben,
Quality Systems Manager
Apex Laboratories, LLC

Analytical Report



Thursday, June 18, 2020

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

RE: A0E0668 - 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 A0E0668, which was received by the laboratory on 5/22/2020 at 12:20:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1 2.8 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



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Apex Laboratories, LLC

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

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:

A0E0668 - 06 18 20 1324

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-1175SC-A-01-02-200522	A0E0668-01	SE	05/22/20 09:25	05/22/20 12:20
PDI-175SC-A-00-01-200522	A0E0668-02	SE	05/22/20 09:25	05/22/20 12:20
PDI-175SC-A-01-02-200522	A0E0668-03	SE	05/22/20 09:25	05/22/20 12:20
PDI-175SC-A-02-03-200522	A0E0668-04	SE	05/22/20 09:25	05/22/20 12:20
PDI-175SC-A-03-04-200522	A0E0668-05	SE	05/22/20 09:25	05/22/20 12:20

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Darwin Thomas, Business Development Director



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0E0668 - 06 18 20 1324
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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-1175SC-A-01-02-200522 (A0E0668-01)				Matrix: SE		Batch: 0060185		C-07	
Aroclor 1016	ND	0.729	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1221	ND	0.729	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1232	ND	1.45	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1242	ND	0.729	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1248	ND	0.729	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1254	ND	1.45	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1260	ND	0.729	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1262	ND	0.729	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
Aroclor 1268	ND	0.729	1.45	ug/kg dry	1	06/06/20 20:06	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 20 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>06/06/20 20:06</i>	<i>EPA 8082A</i>	<i>S-03</i>
PDI-175SC-A-01-02-200522 (A0E0668-03)				Matrix: SE		Batch: 0060185		C-07	
Aroclor 1016	ND	1.45	1.45	ug/kg dry	1	06/06/20 15:48	EPA 8082A		
Aroclor 1221	ND	0.728	1.45	ug/kg dry	1	06/06/20 15:48	EPA 8082A	R-02	
Aroclor 1232	ND	3.37	3.37	ug/kg dry	1	06/06/20 15:48	EPA 8082A	R-02	
Aroclor 1242	ND	1.85	1.85	ug/kg dry	1	06/06/20 15:48	EPA 8082A	R-02	
Aroclor 1248	ND	1.74	1.74	ug/kg dry	1	06/06/20 15:48	EPA 8082A	R-02	
Aroclor 1254	ND	4.68	4.89	ug/kg dry	1	06/06/20 15:48	EPA 8082A	R-02	
Aroclor 1260	1.70	0.728	1.45	ug/kg dry	1	06/06/20 15:48	EPA 8082A		
Aroclor 1262	ND	0.728	1.45	ug/kg dry	1	06/06/20 15:48	EPA 8082A		
Aroclor 1268	ND	1.45	1.45	ug/kg dry	1	06/06/20 15:48	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 49 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>06/06/20 15:48</i>	<i>EPA 8082A</i>	
PDI-175SC-A-02-03-200522 (A0E0668-04)				Matrix: SE		Batch: 0060185		C-07	
Aroclor 1016	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1221	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1232	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1242	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1248	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1254	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1260	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1262	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		
Aroclor 1268	ND	0.751	1.49	ug/kg dry	1	06/07/20 14:38	EPA 8082A		

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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: A0E0668 - 06 18 20 1324
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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-175SC-A-02-03-200522 (A0E0668-04)				Matrix: SE		Batch: 0060185		C-07
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>06/07/20 14:38</i>	<i>EPA 8082A</i>
PDI-175SC-A-03-04-200522 (A0E0668-05)				Matrix: SE		Batch: 0060185		C-07
Aroclor 1016	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1221	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1232	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1242	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1248	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1254	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1260	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1262	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
Aroclor 1268	ND	0.766	1.52	ug/kg dry	1	06/06/20 21:17	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>06/06/20 21:17</i>	<i>EPA 8082A</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-1175SC-A-01-02-200522 (A0E0668-01RE1)				Matrix: SE		Batch: 0060273		C-05, R-04
2,4'-DDD	ND	10.6	21.2	ug/kg dry	5	06/10/20 17:26	EPA 8081B	
2,4'-DDE	ND	10.6	21.2	ug/kg dry	5	06/10/20 17:26	EPA 8081B	
2,4'-DDT	ND	10.6	21.2	ug/kg dry	5	06/10/20 17:26	EPA 8081B	
4,4'-DDD	ND	10.6	21.2	ug/kg dry	5	06/10/20 17:26	EPA 8081B	
4,4'-DDE	ND	10.6	21.2	ug/kg dry	5	06/10/20 17:26	EPA 8081B	
4,4'-DDT	ND	21.2	21.2	ug/kg dry	5	06/10/20 17:26	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>06/10/20 17:26</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>5</i>	<i>06/10/20 17:26</i>	<i>EPA 8081B</i>
PDI-175SC-A-00-01-200522 (A0E0668-02RE1)				Matrix: SE		Batch: 0060273		C-05
2,4'-DDD	ND	8.59	8.59	ug/kg dry	2	06/10/20 18:41	EPA 8081B	
2,4'-DDE	ND	4.29	8.59	ug/kg dry	2	06/10/20 18:41	EPA 8081B	
2,4'-DDT	ND	8.59	8.59	ug/kg dry	2	06/10/20 18:41	EPA 8081B	
4,4'-DDD	5.57	4.29	8.59	ug/kg dry	2	06/10/20 18:41	EPA 8081B	J
4,4'-DDE	ND	4.29	8.59	ug/kg dry	2	06/10/20 18:41	EPA 8081B	
4,4'-DDT	ND	8.59	8.59	ug/kg dry	2	06/10/20 18:41	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 70 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>06/10/20 18:41</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>95 %</i>		<i>55-130 %</i>		<i>2</i>	<i>06/10/20 18:41</i>	<i>EPA 8081B</i>
PDI-175SC-A-01-02-200522 (A0E0668-03RE1)				Matrix: SE		Batch: 0060273		C-05, R-04
2,4'-DDD	ND	21.6	21.6	ug/kg dry	5	06/10/20 19:19	EPA 8081B	
2,4'-DDE	ND	10.8	21.6	ug/kg dry	5	06/10/20 19:19	EPA 8081B	
2,4'-DDT	ND	10.8	21.6	ug/kg dry	5	06/10/20 19:19	EPA 8081B	
4,4'-DDD	ND	10.8	21.6	ug/kg dry	5	06/10/20 19:19	EPA 8081B	
4,4'-DDE	ND	10.8	21.6	ug/kg dry	5	06/10/20 19:19	EPA 8081B	
4,4'-DDT	ND	21.6	21.6	ug/kg dry	5	06/10/20 19:19	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>06/10/20 19:19</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>117 %</i>		<i>55-130 %</i>		<i>5</i>	<i>06/10/20 19:19</i>	<i>EPA 8081B</i>
PDI-175SC-A-02-03-200522 (A0E0668-04RE1)				Matrix: SE		Batch: 0060273		C-05
2,4'-DDD	ND	1.10	2.20	ug/kg dry	1	06/10/20 14:30	EPA 8081B	
2,4'-DDE	ND	1.10	2.20	ug/kg dry	1	06/10/20 14:30	EPA 8081B	
2,4'-DDT	ND	1.10	2.20	ug/kg dry	1	06/10/20 14:30	EPA 8081B	
4,4'-DDD	ND	1.10	2.20	ug/kg dry	1	06/10/20 14:30	EPA 8081B	

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Darwin Thomas, Business Development Director



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0E0668 - 06 18 20 1324
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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-175SC-A-02-03-200522 (A0E0668-04RE1)				Matrix: SE		Batch: 0060273		C-05
4,4'-DDE	ND	1.10	2.20	ug/kg dry	1	06/10/20 14:30	EPA 8081B	
4,4'-DDT	ND	1.10	2.20	ug/kg dry	1	06/10/20 14:30	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 43 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>06/10/20 14:30</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>92 %</i>		<i>55-130 %</i>		<i>1</i>	<i>06/10/20 14:30</i>	<i>EPA 8081B</i>
PDI-175SC-A-03-04-200522 (A0E0668-05RE1)				Matrix: SE		Batch: 0060273		C-05
2,4'-DDD	ND	1.08	2.16	ug/kg dry	1	06/10/20 15:22	EPA 8081B	
2,4'-DDE	ND	1.08	2.16	ug/kg dry	1	06/10/20 15:22	EPA 8081B	
2,4'-DDT	ND	1.08	2.16	ug/kg dry	1	06/10/20 15:22	EPA 8081B	
4,4'-DDD	ND	1.08	2.16	ug/kg dry	1	06/10/20 15:22	EPA 8081B	
4,4'-DDE	ND	1.08	2.16	ug/kg dry	1	06/10/20 15:22	EPA 8081B	
4,4'-DDT	ND	1.08	2.16	ug/kg dry	1	06/10/20 15:22	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 53 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>06/10/20 15:22</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>93 %</i>		<i>55-130 %</i>		<i>1</i>	<i>06/10/20 15:22</i>	<i>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: A0E0668 - 06 18 20 1324
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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-1175SC-A-01-02-200522 (A0E0668-01)				Matrix: SE		Batch: 0060104			
Acenaphthene	19100	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Acenaphthylene	6590	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Anthracene	17500	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Benz(a)anthracene	20500	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Benzo(a)pyrene	30000	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Benzo(b)fluoranthene	24600	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Benzo(k)fluoranthene	9050	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D	M-05	
Benzo(g,h,i)perylene	21400	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Chrysene	26900	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Dibenz(a,h)anthracene	1990	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D	J	
Fluoranthene	74400	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Fluorene	10300	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Indeno(1,2,3-cd)pyrene	18500	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
2-Methylnaphthalene	ND	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Naphthalene	1880	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D	J	
Phenanthrene	52600	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
Pyrene	97900	1370	2740	ug/kg dry	1000	06/04/20 12:55	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 120 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>06/04/20 12:55</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>250 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>06/04/20 12:55</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-175SC-A-00-01-200522 (A0E0668-02)				Matrix: SE		Batch: 0060104		
Acenaphthene	1910	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	J
Acenaphthylene	2190	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	J
Anthracene	2650	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	J
Benz(a)anthracene	9920	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	
Benzo(a)pyrene	12700	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	
Benzo(b)fluoranthene	10100	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	
Benzo(k)fluoranthene	3640	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	M-05
Benzo(g,h,i)perylene	8480	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	
Chrysene	12000	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	
Dibenz(a,h)anthracene	ND	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	
Fluoranthene	30700	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	
Fluorene	ND	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D	

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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-175SC-A-00-01-200522 (A0E0668-02)				Matrix: SE		Batch: 0060104			
Indeno(1,2,3-cd)pyrene	7590	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D		
2-Methylnaphthalene	ND	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D		
Naphthalene	ND	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D		
Phenanthrene	3750	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D		
Pyrene	36200	1350	2700	ug/kg dry	1000	06/03/20 12:59	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>06/03/20 12:59</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>190 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>06/03/20 12:59</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-175SC-A-01-02-200522 (A0E0668-03)				Matrix: SE		Batch: 0060165			
Acenaphthene	24300	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Acenaphthylene	7670	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Anthracene	23800	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Benz(a)anthracene	22700	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Benzo(a)pyrene	33300	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Benzo(b)fluoranthene	27400	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Benzo(k)fluoranthene	9150	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D	M-05	
Benzo(g,h,i)perylene	24900	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Chrysene	30600	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Dibenz(a,h)anthracene	2290	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D	J	
Fluoranthene	87500	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Fluorene	14200	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Indeno(1,2,3-cd)pyrene	21300	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
2-Methylnaphthalene	ND	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Naphthalene	2270	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D	J	
Phenanthrene	76600	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
Pyrene	107000	1350	2710	ug/kg dry	1000	06/04/20 23:38	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 130 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>06/04/20 23:38</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>230 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>06/04/20 23:38</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-175SC-A-02-03-200522 (A0E0668-04)				Matrix: SE		Batch: 0060165		
Acenaphthene	1.89	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	J
Acenaphthylene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Anthracene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	

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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-175SC-A-02-03-200522 (A0E0668-04)				Matrix: SE		Batch: 0060165		
Benz(a)anthracene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Benzo(a)pyrene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Benzo(b)fluoranthene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Benzo(k)fluoranthene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Benzo(g,h,i)perylene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Chrysene	1.81	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	J
Dibenz(a,h)anthracene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Fluoranthene	3.34	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Fluorene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
2-Methylnaphthalene	ND	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
Naphthalene	2.33	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	J
Phenanthrene	1.50	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	J
Pyrene	22.3	1.39	2.77	ug/kg dry	1	06/04/20 21:33	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>06/04/20 21:33</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>74 %</i>		<i>54-127 %</i>		<i>1</i>	<i>06/04/20 21:33</i>	<i>EPA 8270D</i>

PDI-175SC-A-03-04-200522 (A0E0668-05)				Matrix: SE		Batch: 0060165		
Acenaphthene	8.46	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Acenaphthylene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Anthracene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Benz(a)anthracene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Benzo(a)pyrene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Benzo(b)fluoranthene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Benzo(k)fluoranthene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Benzo(g,h,i)perylene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Chrysene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Dibenz(a,h)anthracene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Fluoranthene	1.88	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	J
Fluorene	2.77	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
2-Methylnaphthalene	ND	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Naphthalene	2.06	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	J

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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-175SC-A-03-04-200522 (A0E0668-05)				Matrix: SE		Batch: 0060165		
Phenanthrene	4.93	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
Pyrene	22.1	1.38	2.75	ug/kg dry	1	06/04/20 23:07	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>06/04/20 23:07</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>82 %</i>		<i>54-127 %</i>		<i>1</i>	<i>06/04/20 23:07</i>	<i>EPA 8270D</i>

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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-1175SC-A-01-02-200522 (A0E0668-01RE1)				Matrix: SE				
Batch: 0060137								
Total Organic Carbon	0.16	0.020	0.020	% by Weight	1	06/13/20 13:49	SM 5310 B MOD	
PDI-175SC-A-00-01-200522 (A0E0668-02RE1)				Matrix: SE				
Batch: 0060137								
Total Organic Carbon	0.20	0.020	0.020	% by Weight	1	06/13/20 14:11	SM 5310 B MOD	A-02, EST
PDI-175SC-A-01-02-200522 (A0E0668-03)				Matrix: SE				
Batch: 0060137								
Total Organic Carbon	0.22	0.020	0.020	% by Weight	1	06/13/20 14:28	SM 5310 B MOD	
PDI-175SC-A-02-03-200522 (A0E0668-04)				Matrix: SE				
Batch: 0060137								
Total Organic Carbon	0.020	0.020	0.020	% by Weight	1	06/13/20 14:42	SM 5310 B MOD	
PDI-175SC-A-03-04-200522 (A0E0668-05)				Matrix: SE				
Batch: 0060137								
Total Organic Carbon	0.020	0.020	0.020	% by Weight	1	06/15/20 11:08	SM 5310 B MOD	

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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-1175SC-A-01-02-200522 (A0E0668-01)				Matrix: SE				
Batch: 0060131								
Total Solids	90.4	1.00	1.00	% by Weight	1	06/04/20 18:09	SM 2540 G	
PDI-175SC-A-00-01-200522 (A0E0668-02)				Matrix: SE				
Batch: 0060131								
Total Solids	92.2	1.00	1.00	% by Weight	1	06/04/20 18:09	SM 2540 G	
PDI-175SC-A-01-02-200522 (A0E0668-03)				Matrix: SE				
Batch: 0060131								
Total Solids	90.4	1.00	1.00	% by Weight	1	06/04/20 18:09	SM 2540 G	
PDI-175SC-A-02-03-200522 (A0E0668-04)				Matrix: SE				
Batch: 0060131								
Total Solids	87.1	1.00	1.00	% by Weight	1	06/04/20 18:09	SM 2540 G	
PDI-175SC-A-03-04-200522 (A0E0668-05)				Matrix: SE				
Batch: 0060131								
Total Solids	87.0	1.00	1.00	% by Weight	1	06/04/20 18:09	SM 2540 G	

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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 0060185 - EPA 3546												
Sediment												
Blank (0060185-BLK1) Prepared: 06/04/20 12:22 Analyzed: 06/07/20 12:49 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS (0060185-BS1) Prepared: 06/04/20 12:22 Analyzed: 06/07/20 13:07 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	67.0	0.670	1.33	ug/kg wet	1	83.3	---	80	47-134%	---	---	
Aroclor 1260	84.3	0.670	1.33	ug/kg wet	1	83.3	---	101	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Duplicate (0060185-DUP1) Prepared: 06/04/20 12:22 Analyzed: 06/06/20 20:41 C-07												
<u>QC Source Sample: PDI-1175SC-A-01-02-200522 (A0E0668-01)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.730	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	0.730	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	1.45	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	0.730	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	0.730	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	1.45	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	0.730	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1262	ND	0.730	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1268	ND	0.730	1.45	ug/kg dry	1	---	ND	---	---	---	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 23 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						S-03
Matrix Spike (0060185-MS1) Prepared: 06/04/20 12:22 Analyzed: 06/07/20 15:14 C-07												

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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 0060185 - EPA 3546						Sediment						
Matrix Spike (0060185-MS1)						Prepared: 06/04/20 12:22 Analyzed: 06/07/20 15:14						C-07
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)												
EPA 8082A												
Aroclor 1016	68.9	0.751	1.49	ug/kg dry	1	93.4	ND	74	47-134%	---	---	
Aroclor 1260	80.2	0.751	1.49	ug/kg dry	1	93.4	ND	86	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 81 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (0060185-MSD1)						Prepared: 06/04/20 12:22 Analyzed: 06/07/20 15:51						C-07
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)												
EPA 8082A												
Aroclor 1016	75.5	0.750	1.49	ug/kg dry	1	93.3	ND	81	47-134%	9	30%	
Aroclor 1260	91.9	0.750	1.49	ug/kg dry	1	93.3	ND	99	53-140%	14	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						

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Portland, OR 97219

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Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0E0668 - 06 18 20 1324

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 0060273 - EPA 3546/3640A (GPC) Sediment												
Blank (0060273-BLK1) Prepared: 06/03/20 11:47 Analyzed: 06/10/20 13:56 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: 76 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>96 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0060273-BS1) Prepared: 06/03/20 11:47 Analyzed: 06/10/20 14:13 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	52.2	1.00	2.00	ug/kg wet	1	50.0	---	104	50-150%	---	---	
2,4'-DDE	44.9	1.00	2.00	ug/kg wet	1	50.0	---	90	50-150%	---	---	
2,4'-DDT	65.5	1.00	2.00	ug/kg wet	1	50.0	---	131	50-150%	---	---	
4,4'-DDD	52.4	1.00	2.00	ug/kg wet	1	50.0	---	105	50-150%	---	---	
4,4'-DDE	44.6	1.00	2.00	ug/kg wet	1	50.0	---	89	50-150%	---	---	
4,4'-DDT	59.0	1.00	2.00	ug/kg wet	1	50.0	---	118	50-150%	---	---	
<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>91 %</i>		<i>55-130 %</i>		<i>"</i>						
Duplicate (0060273-DUP1) Prepared: 06/03/20 11:47 Analyzed: 06/10/20 18:03 C-05, R-04												
<u>QC Source Sample: PDI-1175SC-A-01-02-200522 (A0E0668-01RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	ND	10.5	21.1	ug/kg dry	5	---	ND	---	---	---	30%	
2,4'-DDE	ND	10.5	21.1	ug/kg dry	5	---	ND	---	---	---	30%	
2,4'-DDT	ND	21.1	21.1	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDD	ND	10.5	21.1	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDE	ND	10.5	21.1	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDT	ND	22.2	22.2	ug/kg dry	5	---	ND	---	---	---	30%	R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 5x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>110 %</i>		<i>55-130 %</i>		<i>"</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: A0E0668 - 06 18 20 1324
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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 0060273 - EPA 3546/3640A (GPC)						Sediment						
Matrix Spike (0060273-MS1)						Prepared: 06/03/20 11:47 Analyzed: 06/10/20 14:47						C-05
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04RE1)												
EPA 8081B												
2,4'-DDD	54.9	1.09	2.19	ug/kg dry	1	54.7	ND	101	50-150%	---	---	
2,4'-DDE	45.4	1.09	2.19	ug/kg dry	1	54.7	ND	83	50-150%	---	---	
2,4'-DDT	69.5	1.09	2.19	ug/kg dry	1	54.7	ND	127	50-150%	---	---	
4,4'-DDD	57.0	1.09	2.19	ug/kg dry	1	54.7	ND	104	50-150%	---	---	
4,4'-DDE	47.2	1.09	2.19	ug/kg dry	1	54.7	ND	86	50-150%	---	---	
4,4'-DDT	64.9	1.09	2.19	ug/kg dry	1	54.7	ND	119	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 69 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>95 %</i>		<i>55-130 %</i>		<i>"</i>						

Matrix Spike Dup (0060273-MSD1)						Prepared: 06/03/20 11:47 Analyzed: 06/10/20 15:05						C-05
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04RE1)												
EPA 8081B												
2,4'-DDD	58.3	1.09	2.19	ug/kg dry	1	54.7	ND	107	50-150%	6	30%	
2,4'-DDE	51.2	1.09	2.19	ug/kg dry	1	54.7	ND	94	50-150%	12	30%	
2,4'-DDT	74.9	1.09	2.19	ug/kg dry	1	54.7	ND	137	50-150%	8	30%	
4,4'-DDD	60.4	1.09	2.19	ug/kg dry	1	54.7	ND	111	50-150%	6	30%	
4,4'-DDE	51.1	1.09	2.19	ug/kg dry	1	54.7	ND	94	50-150%	8	30%	
4,4'-DDT	71.7	1.09	2.19	ug/kg dry	1	54.7	ND	131	50-150%	10	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 73 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>100 %</i>		<i>55-130 %</i>		<i>"</i>						

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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 0060104 - EPA 3546												
Sediment												
Blank (0060104-BLK1)												
Prepared: 06/03/20 07:17 Analyzed: 06/03/20 10:50												
<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: 84 %</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 (0060104-BS1)												
Prepared: 06/03/20 07:17 Analyzed: 06/03/20 11:22												
<u>EPA 8270D</u>												
Acenaphthene	19.4	1.25	2.50	ug/kg wet	1	20.0	---	97	40-123%	---	---	
Acenaphthylene	20.1	1.25	2.50	ug/kg wet	1	20.0	---	101	32-132%	---	---	
Anthracene	21.1	1.25	2.50	ug/kg wet	1	20.0	---	106	47-123%	---	---	
Benz(a)anthracene	20.9	1.25	2.50	ug/kg wet	1	20.0	---	105	49-126%	---	---	
Benzo(a)pyrene	23.0	1.25	2.50	ug/kg wet	1	20.0	---	115	45-129%	---	---	
Benzo(b)fluoranthene	21.3	1.25	2.50	ug/kg wet	1	20.0	---	107	45-132%	---	---	
Benzo(k)fluoranthene	21.0	1.25	2.50	ug/kg wet	1	20.0	---	105	47-132%	---	---	
Benzo(g,h,i)perylene	19.9	1.25	2.50	ug/kg wet	1	20.0	---	100	43-134%	---	---	
Chrysene	20.3	1.25	2.50	ug/kg wet	1	20.0	---	101	50-124%	---	---	
Dibenz(a,h)anthracene	20.1	1.25	2.50	ug/kg wet	1	20.0	---	101	45-134%	---	---	
Fluoranthene	21.2	1.25	2.50	ug/kg wet	1	20.0	---	106	50-127%	---	---	

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Darwin Thomas, Business Development Director



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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 0060104 - EPA 3546												
Sediment												
LCS (0060104-BS1)												
Prepared: 06/03/20 07:17 Analyzed: 06/03/20 11:22												
Fluorene	19.9	1.25	2.50	ug/kg wet	1	20.0	---	99	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	20.5	1.25	2.50	ug/kg wet	1	20.0	---	103	45-133%	---	---	
2-Methylnaphthalene	20.6	1.25	2.50	ug/kg wet	1	20.0	---	103	38-122%	---	---	
Naphthalene	19.3	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	23.7	1.25	2.50	ug/kg wet	1	20.0	---	119	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 80 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		100 %		54-127 %		"						

Duplicate (0060104-DUP1)												
Prepared: 06/03/20 07:17 Analyzed: 06/03/20 12:27												
QC Source Sample: Non-SDG (A0E0612-21)												
Acenaphthene	2.08	1.59	3.17	ug/kg dry	1	---	5.45	---	---	90	30%	Q-05, J
Acenaphthylene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	1.59	3.17	ug/kg dry	1	---	2.06	---	---	***	30%	Q-05
Benz(a)anthracene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Chrysene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	3.23	1.59	3.17	ug/kg dry	1	---	3.91	---	---	19	30%	
Fluorene	ND	1.59	3.17	ug/kg dry	1	---	2.19	---	---	***	30%	Q-05
Indeno(1,2,3-cd)pyrene	ND	1.59	3.17	ug/kg dry	1	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	1.59	3.17	ug/kg dry	1	---	6.97	---	---	***	30%	Q-05
Naphthalene	4.05	1.59	3.17	ug/kg dry	1	---	31.1	---	---	154	30%	Q-05
Phenanthrene	4.95	1.59	3.17	ug/kg dry	1	---	9.08	---	---	59	30%	Q-05
Pyrene	4.06	1.59	3.17	ug/kg dry	1	---	5.03	---	---	21	30%	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 91 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		103 %		54-127 %		"						

Matrix Spike (0060104-MS1)												
Prepared: 06/03/20 07:17 Analyzed: 06/03/20 13:31												
QC Source Sample: PDI-175SC-A-00-01-200522 (A0E0668-02)												

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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:
A0E0668 - 06 18 20 1324

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 0060104 - EPA 3546												
Sediment												
Matrix Spike (0060104-MS1)												
Prepared: 06/03/20 07:17 Analyzed: 06/03/20 13:31												
QC Source Sample: PDI-175SC-A-00-01-200522 (A0E0668-02)												
EPA 8270D												
Acenaphthene	1980	1350	2700	ug/kg dry	1000	21.6	1910	334	40-123%	---	---	Q-11, J
Acenaphthylene	1950	1350	2700	ug/kg dry	1000	21.6	2190	-1140	32-132%	---	---	Q-11, J
Anthracene	2620	1350	2700	ug/kg dry	1000	21.6	2650	-138	47-123%	---	---	Q-11, J
Benz(a)anthracene	10300	1350	2700	ug/kg dry	1000	21.6	9920	1770	49-126%	---	---	Q-11
Benzo(a)pyrene	13200	1350	2700	ug/kg dry	1000	21.6	12700	1980	45-129%	---	---	Q-11
Benzo(b)fluoranthene	10600	1350	2700	ug/kg dry	1000	21.6	10100	1970	45-132%	---	---	Q-11
Benzo(k)fluoranthene	3790	1350	2700	ug/kg dry	1000	21.6	3640	692	47-132%	---	---	Q-11
Benzo(g,h,i)perylene	8540	1350	2700	ug/kg dry	1000	21.6	8480	289	43-134%	---	---	Q-11
Chrysene	12100	1350	2700	ug/kg dry	1000	21.6	12000	130	50-124%	---	---	Q-11
Dibenz(a,h)anthracene	ND	1350	2700	ug/kg dry	1000	21.6	ND		45-134%	---	---	Q-11
Fluoranthene	31200	1350	2700	ug/kg dry	1000	21.6	30700	2270	50-127%	---	---	Q-11
Fluorene	ND	1350	2700	ug/kg dry	1000	21.6	ND		43-125%	---	---	Q-11
Indeno(1,2,3-cd)pyrene	7670	1350	2700	ug/kg dry	1000	21.6	7590	385	45-133%	---	---	Q-11
2-Methylnaphthalene	ND	1350	2700	ug/kg dry	1000	21.6	ND		38-122%	---	---	Q-11
Naphthalene	ND	1350	2700	ug/kg dry	1000	21.6	ND		35-123%	---	---	Q-11
Phenanthrene	3120	1350	2700	ug/kg dry	1000	21.6	3750	-2910	50-121%	---	---	Q-11
Pyrene	41200	1350	2700	ug/kg dry	1000	21.6	36200	23100	47-127%	---	---	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 130 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1000x</i>						S-05
<i>p-Terphenyl-d14 (Surr)</i>		<i>230 %</i>		<i>54-127 %</i>		<i>"</i>						S-05

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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 0060165 - EPA 3546												
Sediment												
Blank (0060165-BLK1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 13:27												
<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: 79 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>88 %</i>		<i>54-127 %</i>		<i>"</i>						

LCS (0060165-BS1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 14:00												
<u>EPA 8270D</u>												
Acenaphthene	17.6	1.25	2.50	ug/kg wet	1	20.0	---	88	40-123%	---	---	
Acenaphthylene	18.1	1.25	2.50	ug/kg wet	1	20.0	---	90	32-132%	---	---	
Anthracene	17.7	1.25	2.50	ug/kg wet	1	20.0	---	88	47-123%	---	---	
Benz(a)anthracene	17.7	1.25	2.50	ug/kg wet	1	20.0	---	88	49-126%	---	---	
Benzo(a)pyrene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	45-129%	---	---	
Benzo(b)fluoranthene	18.3	1.25	2.50	ug/kg wet	1	20.0	---	91	45-132%	---	---	
Benzo(k)fluoranthene	17.4	1.25	2.50	ug/kg wet	1	20.0	---	87	47-132%	---	---	
Benzo(g,h,i)perylene	18.0	1.25	2.50	ug/kg wet	1	20.0	---	90	43-134%	---	---	
Chrysene	17.6	1.25	2.50	ug/kg wet	1	20.0	---	88	50-124%	---	---	
Dibenz(a,h)anthracene	17.7	1.25	2.50	ug/kg wet	1	20.0	---	88	45-134%	---	---	
Fluoranthene	18.2	1.25	2.50	ug/kg wet	1	20.0	---	91	50-127%	---	---	

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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 0060165 - EPA 3546												
Sediment												
LCS (0060165-BS1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 14:00												
Fluorene	17.1	1.25	2.50	ug/kg wet	1	20.0	---	86	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	17.9	1.25	2.50	ug/kg wet	1	20.0	---	89	45-133%	---	---	
2-Methylnaphthalene	17.6	1.25	2.50	ug/kg wet	1	20.0	---	88	38-122%	---	---	
Naphthalene	17.4	1.25	2.50	ug/kg wet	1	20.0	---	87	35-123%	---	---	
Phenanthrene	17.7	1.25	2.50	ug/kg wet	1	20.0	---	88	50-121%	---	---	
Pyrene	19.4	1.25	2.50	ug/kg wet	1	20.0	---	97	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 74 %		Limits: 44-120 %		Dilution: 1x						
p-Terphenyl-d14 (Surr)		83 %		54-127 %		"						

Duplicate (0060165-DUP1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 15:04												
QC Source Sample: Non-SDG (A0E0672-24)												
Acenaphthene	2300	86.4	173	ug/kg dry	50	---	1090	---	---	72	30%	Q-04
Acenaphthylene	128	86.4	173	ug/kg dry	50	---	116	---	---	10	30%	J
Anthracene	203	86.4	173	ug/kg dry	50	---	164	---	---	21	30%	
Benz(a)anthracene	308	86.4	173	ug/kg dry	50	---	387	---	---	23	30%	
Benzo(a)pyrene	390	86.4	173	ug/kg dry	50	---	599	---	---	42	30%	Q-05
Benzo(b)fluoranthene	348	86.4	173	ug/kg dry	50	---	502	---	---	36	30%	Q-05
Benzo(k)fluoranthene	126	86.4	173	ug/kg dry	50	---	160	---	---	24	30%	J
Benzo(g,h,i)perylene	303	86.4	173	ug/kg dry	50	---	475	---	---	44	30%	Q-05
Chrysene	355	86.4	173	ug/kg dry	50	---	477	---	---	29	30%	
Dibenz(a,h)anthracene	ND	86.4	173	ug/kg dry	50	---	ND	---	---	---	30%	
Fluoranthene	1280	86.4	173	ug/kg dry	50	---	1330	---	---	3	30%	
Fluorene	695	86.4	173	ug/kg dry	50	---	339	---	---	69	30%	Q-05
Indeno(1,2,3-cd)pyrene	256	86.4	173	ug/kg dry	50	---	409	---	---	46	30%	Q-05
2-Methylnaphthalene	ND	86.4	173	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	322	86.4	173	ug/kg dry	50	---	186	---	---	53	30%	Q-05
Phenanthrene	998	86.4	173	ug/kg dry	50	---	894	---	---	11	30%	
Pyrene	1870	86.4	173	ug/kg dry	50	---	1860	---	---	0.4	30%	
Surr: 2-Fluorobiphenyl (Surr)		Recovery: 71 %		Limits: 44-120 %		Dilution: 50x						
p-Terphenyl-d14 (Surr)		93 %		54-127 %		"						

Matrix Spike (0060165-MS1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 22:05												
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)												

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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 0060165 - EPA 3546												
Sediment												
Matrix Spike (0060165-MS1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 22:05												
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)												
EPA 8270D												
Acenaphthene	19.7	1.39	2.78	ug/kg dry	1	22.2	1.89	80	40-123%	---	---	
Acenaphthylene	18.9	1.39	2.78	ug/kg dry	1	22.2	ND	85	32-132%	---	---	
Anthracene	20.1	1.39	2.78	ug/kg dry	1	22.2	ND	90	47-123%	---	---	
Benz(a)anthracene	19.7	1.39	2.78	ug/kg dry	1	22.2	ND	89	49-126%	---	---	
Benzo(a)pyrene	22.1	1.39	2.78	ug/kg dry	1	22.2	ND	99	45-129%	---	---	
Benzo(b)fluoranthene	20.3	1.39	2.78	ug/kg dry	1	22.2	ND	91	45-132%	---	---	
Benzo(k)fluoranthene	18.7	1.39	2.78	ug/kg dry	1	22.2	ND	84	47-132%	---	---	
Benzo(g,h,i)perylene	19.3	1.39	2.78	ug/kg dry	1	22.2	ND	87	43-134%	---	---	
Chrysene	19.9	1.39	2.78	ug/kg dry	1	22.2	1.81	81	50-124%	---	---	
Dibenz(a,h)anthracene	17.2	1.39	2.78	ug/kg dry	1	22.2	ND	77	45-134%	---	---	
Fluoranthene	28.2	1.39	2.78	ug/kg dry	1	22.2	3.34	112	50-127%	---	---	
Fluorene	18.6	1.39	2.78	ug/kg dry	1	22.2	ND	84	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	19.0	1.39	2.78	ug/kg dry	1	22.2	ND	85	45-133%	---	---	
2-Methylnaphthalene	18.2	1.39	2.78	ug/kg dry	1	22.2	ND	82	38-122%	---	---	
Naphthalene	17.5	1.39	2.78	ug/kg dry	1	22.2	2.33	68	35-123%	---	---	
Phenanthrene	19.2	1.39	2.78	ug/kg dry	1	22.2	1.50	80	50-121%	---	---	
Pyrene	42.8	1.39	2.78	ug/kg dry	1	22.2	22.3	92	47-127%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr) Recovery: 67 % Limits: 44-120 % Dilution: 1x</i>												
<i>p-Terphenyl-d14 (Surr) 72 % 54-127 % "</i>												

Matrix Spike Dup (0060165-MSD1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 22:36												
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)												
EPA 8270D												
Acenaphthene	16.3	1.39	2.78	ug/kg dry	1	22.2	1.89	65	40-123%	19	30%	
Acenaphthylene	16.6	1.39	2.78	ug/kg dry	1	22.2	ND	75	32-132%	13	30%	
Anthracene	16.4	1.39	2.78	ug/kg dry	1	22.2	ND	74	47-123%	20	30%	
Benz(a)anthracene	16.4	1.39	2.78	ug/kg dry	1	22.2	ND	74	49-126%	19	30%	
Benzo(a)pyrene	17.8	1.39	2.78	ug/kg dry	1	22.2	ND	80	45-129%	21	30%	
Benzo(b)fluoranthene	17.2	1.39	2.78	ug/kg dry	1	22.2	ND	77	45-132%	17	30%	
Benzo(k)fluoranthene	15.7	1.39	2.78	ug/kg dry	1	22.2	ND	71	47-132%	18	30%	
Benzo(g,h,i)perylene	16.4	1.39	2.78	ug/kg dry	1	22.2	ND	74	43-134%	16	30%	
Chrysene	17.6	1.39	2.78	ug/kg dry	1	22.2	1.81	71	50-124%	13	30%	

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Darwin Thomas, Business Development Director



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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 0060165 - EPA 3546												
Sediment												
Matrix Spike Dup (0060165-MSD1)												
Prepared: 06/04/20 08:24 Analyzed: 06/04/20 22:36												
QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)												
Dibenz(a,h)anthracene	15.2	1.39	2.78	ug/kg dry	1	22.2	ND	68	45-134%	12	30%	
Fluoranthene	20.6	1.39	2.78	ug/kg dry	1	22.2	3.34	78	50-127%	31	30%	Q-17
Fluorene	15.7	1.39	2.78	ug/kg dry	1	22.2	ND	71	43-125%	17	30%	
Indeno(1,2,3-cd)pyrene	16.2	1.39	2.78	ug/kg dry	1	22.2	ND	73	45-133%	16	30%	
2-Methylnaphthalene	15.6	1.39	2.78	ug/kg dry	1	22.2	ND	70	38-122%	16	30%	
Naphthalene	15.2	1.39	2.78	ug/kg dry	1	22.2	2.33	58	35-123%	14	30%	
Phenanthrene	15.1	1.39	2.78	ug/kg dry	1	22.2	1.50	61	50-121%	24	30%	
Pyrene	43.7	1.39	2.78	ug/kg dry	1	22.2	22.3	97	47-127%	2	30%	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 56 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>70 %</i>		<i>54-127 %</i>		<i>"</i>						

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Portland, OR 97219

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

Report ID:
A0E0668 - 06 18 20 1324

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 0060137 - PSEP-5310B TOC						Soil						
Blank (0060137-BLK1)			Prepared: 06/03/20 11:57 Analyzed: 06/13/20 12:29									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	ND	0.020	0.020	% by Weight	1	---	---	---	---	---	---	
LCS (0060137-BS1)			Prepared: 06/03/20 11:57 Analyzed: 06/13/20 12:44									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	10000			mg/kg	1	10000	---	101	90-110%	---	---	
Duplicate (0060137-DUP1)			Prepared: 06/03/20 11:57 Analyzed: 06/13/20 15:01									
<u>QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)</u>												
<u>SM 5310 B MOD</u>												
Total Organic Carbon	0.020	0.020	0.020	% by Weight	1	---	ND	---	---		20%	Q-05
Duplicate (0060137-DUP3)			Prepared: 06/03/20 11:57 Analyzed: 06/15/20 14:39									
<u>QC Source Sample: Non-SDG (A0E0672-15)</u>												
Total Organic Carbon	0.45	0.020	0.020	% by Weight	1	---	0.45	---	---	1	20%	

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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 0060131 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0060131-DUP1)						Prepared: 06/03/20 11:47 Analyzed: 06/04/20 18:09						
<u>QC Source Sample: PDI-175SC-A-02-03-200522 (A0E0668-04)</u>												
<u>SM 2540 G</u>												
Total Solids	87.3	1.00	1.00	% by Weight	1	---	87.1	---	---	0.2	10%	
Duplicate (0060131-DUP2)						Prepared: 06/03/20 11:47 Analyzed: 06/04/20 18:09						
<u>QC Source Sample: Non-SDG (A0E0672-15)</u>												
Total Solids	75.2	1.00	1.00	% by Weight	1	---	75.0	---	---	0.3	10%	

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Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
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SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0060185</u>							
A0E0668-01	SE	EPA 8082A	05/22/20 09:25	06/04/20 12:22	30.51g/2mL	30g/2mL	0.98
A0E0668-03	SE	EPA 8082A	05/22/20 09:25	06/04/20 12:22	30.51g/2mL	30g/2mL	0.98
A0E0668-04	SE	EPA 8082A	05/22/20 09:25	06/04/20 12:22	30.74g/2mL	30g/2mL	0.98
A0E0668-05	SE	EPA 8082A	05/22/20 09:25	06/04/20 12:22	30.16g/2mL	30g/2mL	1.00

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0060273</u>							
A0E0668-01RE1	SE	EPA 8081B	05/22/20 09:25	06/03/20 11:47	10.46g/20mL	10g/5mL	3.82
A0E0668-02RE1	SE	EPA 8081B	05/22/20 09:25	06/03/20 11:47	10.11g/20mL	10g/5mL	3.96
A0E0668-03RE1	SE	EPA 8081B	05/22/20 09:25	06/03/20 11:47	10.24g/20mL	10g/5mL	3.91
A0E0668-04RE1	SE	EPA 8081B	05/22/20 09:25	06/03/20 11:47	10.45g/10mL	10g/5mL	1.91
A0E0668-05RE1	SE	EPA 8081B	05/22/20 09:25	06/03/20 11:47	10.64g/10mL	10g/5mL	1.88

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

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0060104</u>							
A0E0668-01	SE	EPA 8270D	05/22/20 09:25	06/03/20 07:17	10.08g/5mL	10g/5mL	0.99
A0E0668-02	SE	EPA 8270D	05/22/20 09:25	06/03/20 07:17	10.05g/5mL	10g/5mL	1.00
<u>Batch: 0060165</u>							
A0E0668-03	SE	EPA 8270D	05/22/20 09:25	06/04/20 08:24	10.21g/5mL	10g/5mL	0.98
A0E0668-04	SE	EPA 8270D	05/22/20 09:25	06/04/20 08:24	10.35g/5mL	10g/5mL	0.97
A0E0668-05	SE	EPA 8270D	05/22/20 09:25	06/04/20 08:24	10.43g/5mL	10g/5mL	0.96

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0060137</u>							
A0E0668-01RE1	SE	SM 5310 B MOD	05/22/20 09:25	06/03/20 11:57			NA
A0E0668-02RE1	SE	SM 5310 B MOD	05/22/20 09:25	06/03/20 11:57			NA
A0E0668-03	SE	SM 5310 B MOD	05/22/20 09:25	06/03/20 11:57			NA

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SAMPLE PREPARATION INFORMATION

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0E0668-04	SE	SM 5310 B MOD	05/22/20 09:25	06/03/20 11:57			NA
A0E0668-05	SE	SM 5310 B MOD	05/22/20 09:25	06/03/20 11:57			NA

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0060131</u>							
A0E0668-01	SE	SM 2540 G	05/22/20 09:25	06/03/20 11:47			NA
A0E0668-02	SE	SM 2540 G	05/22/20 09:25	06/03/20 11:47			NA
A0E0668-03	SE	SM 2540 G	05/22/20 09:25	06/03/20 11:47			NA
A0E0668-04	SE	SM 2540 G	05/22/20 09:25	06/03/20 11:47			NA
A0E0668-05	SE	SM 2540 G	05/22/20 09:25	06/03/20 11:47			NA

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QUALIFIER DEFINITIONS

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

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- A-02** Non-homogeneous sample matrix.
- 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. replicate results ranged from 890 to 3700 mg/kg
- 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.
- 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-17** RPD between original and duplicate sample is outside of established control limits.
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- R-04** Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
- S-03** Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

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

Project Number: [none]

Project Manager: Ryan Barth

Report ID:

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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.

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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

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



Apex Laboratories, LLC

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

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: A0E0668 - 06 18 20 1324
--	---	--

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

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



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

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

Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:

A0E0668 - 06 18 20 1324

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Anchor QEA, LLC
1031 1st Avenue, Suite 200, Seattle, WA 98101

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

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

COC ID: **APEX-20200522-101746**
Sample Custodian: **CO**
Lab: **Apex**

A0E0668
APEX-20200522-101746

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab OC*	Test Request	Method	TAT**	Preservative
001	PDI-026SWA-200521-01	N	WS	05/21/2020	13:30	12	<input type="checkbox"/>	Total Suspended Solids Metals (QAPP 4d) PCB Aroclors Pesticides (QAPP 4d) pH SVOCs (QAPP 4d) VOCs (QAPP 4d)	SM2540D SW6020A SW8082A SW8081B SW9045D SW8270D SW8260C	30 30 30 30 30 30	4°C HNO3(pH<2)/4°C 4°C 4°C 4°C 4°C HCl(pH < 2)/4°C
002	PDI-1755SC-A-01-02-200522	FD	SE	05/22/2020		1	<input type="checkbox"/>	TOC LR Pesticides PAH PCB Aroclors Total Solids (APEX)	SM6310B SW8081B SW8270D SW8082A SM2540C	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
003	PDI-1755SC-A-00-01-200522	N	SE	05/22/2020	9:25	1	<input type="checkbox"/>	TOC LR Pesticides PAH Total Solids (APEX)	SM6310B SW8081B SW8270D SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
004	PDI-1755SC-A-01-02-200522	N	SE	05/22/2020	9:25	1	<input type="checkbox"/>	TOC LR Pesticides PAH	SM6310B SW8081B SW8270D	30 30 30	4°C 4°C 4°C

Comment:

Relationship	Signature	Print Name	Company	Date/Time
Received By:		RYAN BARTH	APEX LABS	5/24/20 1100
Relinquished By:		DELANEY PETERSON	APEX LABS	5/24/20 1100
Received By:		LUCAS HENRY	APEX LABS	5/24/20 1100
Relinquished By:		DELANEY PETERSON	APEX LABS	5/24/20 1100

Date Printed: 6/22/2020

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

Page 1 of 2

Apex Laboratories

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

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0E0668 - 06 18 20 1324
--	---	--

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0 E0668

Project/Project #: Gasco PDI APEX-20200522-101746 Analysis

Delivery Info:
 Date/time received: 5/22/20 @ 1220 By: EJ
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other _____

Cooler Inspection Date/time inspected: 5/22/20 @ 1332 By: EJ

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

Signed/dated by client? Yes No _____

Signed/dated by Apex? Yes No _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.8</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

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

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

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

Samples Inspection: Date/time inspected: 5/22/20 @ 1630 By: (EJ)

All samples intact? Yes No _____ Comments: _____

Bottle labels/COCs agree? Yes No _____ Comments: No T on CoC PDI-1175SC-A-01-02-201822
cont. reads 09:25

COC/container discrepancies form initiated? Yes _____ No _____ NA

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

Do VOA vials have visible headspace? Yes _____ No _____ NA

Comments: _____

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

Comments: _____

Additional information:

Labeled by: (EJ) Witness: (MK) Cooler Inspected by: (EJ) See Project Contact Form: Y



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

A0E0668

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:	06/08/20 17:00 (10 day TAT)	Date Received:	05/22/20 12:20
Received By:	Eli S. Joyner	Date Logged In:	05/22/20 15:20
Logged In By:	Susan L. Treat		

Cooler #1 received at 2.8°C									
Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A0E0668-01 PDI-1175SC-A-01-02-200522 [Sediment] Sampled 05/22/20				
09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/28/20 17:00	3	11/18/20 09:25	Use Results from TS.. Make NR once completed.
Project Mgmt				
Data Package	06/05/20 17:00	10	08/29/20 09:25	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	06/05/20 17:00	10	06/05/20 09:25	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	06/05/20 17:00	10	05/22/21 09:25	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	06/05/20 17:00	10	06/05/20 09:25	
Wet Chem				
Solids, Total (SM 2540 G,B)	06/05/20 17:00	10	11/18/20 09:25	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	06/05/20 17:00	10	06/19/20 09:25	

A0E0668-02 PDI-175SC-A-00-01-200522 [Sediment] Sampled 05/22/20				
09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/28/20 17:00	3	11/18/20 09:25	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	06/05/20 17:00	10	06/05/20 09:25	MDL. Use Custom Spike.
Semivols (Scan)				
8270D LL PAH Only (Scan)	06/05/20 17:00	10	06/05/20 09:25	
Wet Chem				
Solids, Total (SM 2540 G,B)	06/05/20 17:00	10	11/18/20 09:25	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	06/05/20 17:00	10	06/19/20 09:25	

A0E0668

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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A0E0668-03 PDI-175SC-A-01-02-200522 [Sediment] Sampled 05/22/20

09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/28/20 17:00	3	11/18/20 09:25	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	06/05/20 17:00	10	06/05/20 09:25	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	06/05/20 17:00	10	05/22/21 09:25	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	06/05/20 17:00	10	06/05/20 09:25	
Wet Chem				
Solids, Total (SM 2540 G,B)	06/05/20 17:00	10	11/18/20 09:25	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	06/05/20 17:00	10	06/19/20 09:25	

A0E0668-04 PDI-175SC-A-02-03-200522 [Sediment] Sampled 05/22/20

09:25 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/28/20 17:00	3	11/18/20 09:25	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	06/05/20 17:00	10	06/05/20 09:25	MS/MSD, MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	06/05/20 17:00	10	05/22/21 09:25	MS/MSD, +1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	06/05/20 17:00	10	06/05/20 09:25	MS/MSD
Wet Chem				
Solids, Total (SM 2540 G,B)	06/05/20 17:00	10	11/18/20 09:25	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	06/05/20 17:00	10	06/19/20 09:25	MS/MSD

A0E0668-05 PDI-175SC-A-03-04-200522 [Sediment] Sampled 05/22/20

09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/28/20 17:00	3	11/18/20 09:25	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	06/05/20 17:00	10	06/05/20 09:25	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	06/05/20 17:00	10	05/22/21 09:25	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	06/05/20 17:00	10	06/05/20 09:25	
Wet Chem				
Solids, Total (SM 2540 G,B)	06/05/20 17:00	10	11/18/20 09:25	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	06/05/20 17:00	10	06/19/20 09:25	

A0E0668

Apex Laboratories

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

Reviewed By _____

Date _____

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0E0668

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX-20200522-101746
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-026SW-A-200521-01	N	WS	05/21/2020	13:30	12	<input type="checkbox"/>	Total Suspended solids	SM2540D	30	4°C
								Metals (QAPP 4d)	SW6020A	30	HNO3(pH<2)/4°C
								PCB Aroclors	SW8082A	30	4°C
								Pesticides (QAPP 4d)	SW8081B	30	4°C
								pH	SW9045D	30	4°C
								SVOCs (QAPP 4d)	SW8270D	30	4°C
								VOCs (QAPP 4d)	SW8260C	30	HCl(pH < 2)/4°C
002	PDI-1175SC-A-01-02-200522	FD	SE	05/22/2020		1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
003	PDI-175SC-A-00-01-200522	N	SE	05/22/2020	9:25	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
004	PDI-175SC-A-01-02-200522	N	SE	05/22/2020	9:25	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: Lucas Henry	Print Name: Eli [Signature]	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 1220	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 5/22/2020

* 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

AOE0618

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX-20200522-101746
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
004	PDI-175SC-A-01-02-200522	N	SE	05/22/2020	9:25	1	<input type="checkbox"/>	PCB Aroclors Total solids (APEX)	SW8082A SM2540G	30 30	4°C 4°C
005	PDI-175SC-A-02-03-200522	N	SE	05/22/2020	9:25	2	<input checked="" type="checkbox"/>	TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270D SW8082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
006	PDI-175SC-A-03-04-200522	N	SE	05/22/2020	9:25	1	<input type="checkbox"/>	TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM5310B SW8081B SW8270D SW8082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C

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

Date Printed: 5/22/2020

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

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0 E0668

Project/Project #: Gasco PDI APEX-20200522-101746 Analysis

Delivery Info:

Date/time received: 5/22/20 @ 1220 By: EJ

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

Cooler Inspection Date/time inspected: 5/22/20 @ 1332 By: EJ

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.8</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

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

Samples Inspection: Date/time inspected: 5/22/20 @ 1630 By: [Signature]

All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: No T on CoC PDI-117582-A-01-02-2022
Cont. reads 09:25

COC/container discrepancies form initiated? Yes No NA

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

Do VOA vials have visible headspace? Yes No NA

Comments: _____

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

Comments: _____

Additional information:

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

CLP-Like Forms

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8082A

ANALYSES DATA PACKAGE COVER PAGE

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-1175SC-A-01-02-200522</u>	<u>A0E0668-01</u>	<u>SE</u>
<u>PDI-175SC-A-01-02-200522</u>	<u>A0E0668-03</u>	<u>SE</u>
<u>PDI-175SC-A-02-03-200522</u>	<u>A0E0668-04</u>	<u>SE</u>
<u>PDI-175SC-A-03-04-200522</u>	<u>A0E0668-05</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: _____

7/7/2020 10:44AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

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

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

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-1175SC-A-01-02-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-01</u>	File ID: <u>ECD2R025.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/04/20 12:22</u>	Analyzed: <u>06/06/20 20:06</u>
Solids: <u>90.36</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.51 g / 2 mL</u>
Batch: <u>0060185</u>	Sequence: <u>0F06004</u>	Calibration: <u>A0F0306</u>
		Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.729	U
11104-28-2	Aroclor 1221	1	0.729	U
11141-16-5	Aroclor 1232	1	1.45	U
53469-21-9	Aroclor 1242	1	0.729	U
12672-29-6	Aroclor 1248	1	0.729	U
11097-69-1	Aroclor 1254	1	1.45	U
11096-82-5	Aroclor 1260	1	0.729	U
37324-23-5	Aroclor 1262	1	0.729	U
11100-14-4	Aroclor 1268	1	0.729	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	18.1	3.66	20	43 - 120	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-175SC-A-01-02-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-03</u>	File ID: <u>ECD1R009.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/04/20 12:22</u>	Analyzed: <u>06/06/20 15:48</u>
Solids: <u>90.44</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.51 g / 2 mL</u>
Batch: <u>0060185</u>	Sequence: <u>0F06002</u>	Calibration: <u>A0D0303</u>
		Instrument: <u>DUALECD1R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.45	U
11104-28-2	Aroclor 1221	1	0.728	U
11141-16-5	Aroclor 1232	1	3.37	U
53469-21-9	Aroclor 1242	1	1.85	U
12672-29-6	Aroclor 1248	1	1.74	U
11097-69-1	Aroclor 1254	1	4.68	U
11096-82-5	Aroclor 1260	1	1.70	
37324-23-5	Aroclor 1262	1	0.728	U
11100-14-4	Aroclor 1268	1	1.45	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	18.1	8.93	49	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-175SC-A-02-03-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-04</u>	File ID: <u>ECD1F010.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/04/20 12:22</u>	Analyzed: <u>06/07/20 14:38</u>
Solids: <u>87.11</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.74 g / 2 mL</u>
Batch: <u>0060185</u>	Sequence: <u>0F07016</u>	Calibration: <u>A0E0301</u> Instrument: <u>DUALECD1F</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	0.751	U
12672-29-6	Aroclor 1248	1	0.751	U
11097-69-1	Aroclor 1254	1	0.751	U
11096-82-5	Aroclor 1260	1	0.751	U
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)	18.7	16.0	86	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-175SC-A-03-04-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-05</u>	File ID: <u>ECD2R029.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/04/20 12:22</u>	Analyzed: <u>06/06/20 21:17</u>
Solids: <u>87.02</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.16 g / 2 mL</u>
Batch: <u>0060185</u>	Sequence: <u>0F06004</u>	Calibration: <u>A0F0306</u>
		Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.766	U
11104-28-2	Aroclor 1221	1	0.766	U
11141-16-5	Aroclor 1232	1	0.766	U
53469-21-9	Aroclor 1242	1	0.766	U
12672-29-6	Aroclor 1248	1	0.766	U
11097-69-1	Aroclor 1254	1	0.766	U
11096-82-5	Aroclor 1260	1	0.766	U
37324-23-5	Aroclor 1262	1	0.766	U
11100-14-4	Aroclor 1268	1	0.766	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	19.1	14.1	74	43 - 120	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060185

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060185-BLK1	ECD1F004.D	06/04/20 12:22	
LCS	0060185-BS1	ECD1F005.D	06/04/20 12:22	
PDI-1175SC-A-01-02-200522 (Dup)	0060185-DUP1	ECD2R027.D	06/04/20 12:22	
PDI-175SC-A-02-03-200522 (MS)	0060185-MS1	ECD1F012.D	06/04/20 12:22	
PDI-175SC-A-02-03-200522 (MSD)	0060185-MSD1	ECD1F014.D	06/04/20 12:22	
PDI-1175SC-A-01-02-200522	A0E0668-01	ECD2R025.D	06/04/20 12:22	
PDI-175SC-A-01-02-200522	A0E0668-03	ECD1R009.D	06/04/20 12:22	
PDI-175SC-A-02-03-200522	A0E0668-04	ECD1F010.D	06/04/20 12:22	
PDI-175SC-A-03-04-200522	A0E0668-05	ECD2R029.D	06/04/20 12:22	

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.

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060185

Laboratory ID: 0060185-BS1

Preparation: EPA 3546

Initial/Final: 30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
Aroclor 1016	83.3	67.0	80	47 - 134
Aroclor 1260	83.3	84.3	101	53 - 140

* = Values outside of QC limits

DUPLICATES

PDI-1175SC-A-01-02-200522

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0060185-DUP1

Batch: 0060185

Lab Source ID: A0E0668-01

Preparation: EPA 3546

Initial/Final: 30.47 g / 2 mL

Source Sample Name: PDI-1175SC-A-01-02-200522

% Solids: 90.36

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

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**PDI-175SC-A-02-03-200522****EPA 8082A**Laboratory: Apex LaboratoriesSDG: Gasco PreRD_DG 2019Client: Anchor QEA, LLCProject: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing CoMatrix: SedimentBatch: 0060185Laboratory ID: 0060185-MS1Preparation: EPA 3546Initial/Final: 30.74 g / 2 mLSource Sample Name: PDI-175SC-A-02-03-200522

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (* = Out)	QC LIMITS REC.
Aroclor 1016	93.4	ND	68.9	74	47 - 134
Aroclor 1260	93.4	ND	80.2	86	53 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

PDI-175SC-A-02-03-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060185

Laboratory ID: 0060185-MSD1

Preparation: EPA 3546

Initial/Final: 30.75 g / 2 mL

Source Sample Name: PDI-175SC-A-02-03-200522

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Aroclor 1016	93.3	75.5	81	9	30	47 - 134
Aroclor 1260	93.3	91.9	99	14	30	53 - 140

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0D02023</u>	Instrument: <u>DUALECD1R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0303</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0D02023-ICB1	ECD1R005.D	04/02/20 08:25
Cal Standard	0D02023-CAL1	ECD1R006.D	04/02/20 08:43
Cal Standard	0D02023-CAL2	ECD1R007.D	04/02/20 09:01
Cal Standard	0D02023-CAL3	ECD1R008.D	04/02/20 09:19
Cal Standard	0D02023-CAL4	ECD1R009.D	04/02/20 09:38
Cal Standard	0D02023-CAL5	ECD1R010.D	04/02/20 09:56
Cal Standard	0D02023-CAL6	ECD1R011.D	04/02/20 10:14
Cal Standard	0D02023-CAL7	ECD1R012.D	04/02/20 10:32
Initial Cal Check	0D02023-ICV1	ECD1R014.D	04/02/20 11:09
Cal Standard	0D02023-CAL8	ECD1R015.D	04/02/20 11:27
Cal Standard	0D02023-CAL9	ECD1R016.D	04/02/20 11:46
Cal Standard	0D02023-CALA	ECD1R017.D	04/02/20 12:04
Cal Standard	0D02023-CALB	ECD1R018.D	04/02/20 12:22
Cal Standard	0D02023-CALC	ECD1R019.D	04/02/20 12:40
Cal Standard	0D02023-CALD	ECD1R020.D	04/02/20 12:59
Cal Standard	0D02023-CALE	ECD1R021.D	04/02/20 13:17
Initial Cal Check	0D02023-ICV2	ECD1R022.D	04/02/20 13:35
Initial Cal Check	0D02023-ICV3	ECD1R023.D	04/02/20 13:53
Initial Cal Check	0D02023-ICV4	ECD1R024.D	04/02/20 14:12
Initial Cal Check	0D02023-ICV5	ECD1R025.D	04/02/20 14:30

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0D30020

Instrument: DUALECD1F

Matrix: Sediment

Calibration: A0E0301

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0D30020-ICB1	ECD1F003.D	04/30/20 07:44
Cal Standard	0D30020-CAL1	ECD1F004.D	04/30/20 08:02
Cal Standard	0D30020-CAL2	ECD1F005.D	04/30/20 08:20
Cal Standard	0D30020-CAL3	ECD1F006.D	04/30/20 08:38
Cal Standard	0D30020-CAL4	ECD1F007.D	04/30/20 08:57
Cal Standard	0D30020-CAL5	ECD1F008.D	04/30/20 09:15
Cal Standard	0D30020-CAL6	ECD1F009.D	04/30/20 09:33
Cal Standard	0D30020-CAL7	ECD1F010.D	04/30/20 09:52
Initial Cal Check	0D30020-ICV1	ECD1F012.D	04/30/20 10:28
Cal Standard	0D30020-CAL8	ECD1F013.D	04/30/20 10:47
Cal Standard	0D30020-CAL9	ECD1F014.D	04/30/20 11:05
Cal Standard	0D30020-CALA	ECD1F015.D	04/30/20 11:23
Cal Standard	0D30020-CALB	ECD1F016.D	04/30/20 11:41
Cal Standard	0D30020-CALC	ECD1F017.D	04/30/20 12:00
Cal Standard	0D30020-CALD	ECD1F018.D	04/30/20 12:18
Cal Standard	0D30020-CALE	ECD1F019.D	04/30/20 12:36
Initial Cal Check	0D30020-ICV2	ECD1F020.D	04/30/20 12:55
Initial Cal Check	0D30020-ICV3	ECD1F021.D	04/30/20 13:13
Initial Cal Check	0D30020-ICV4	ECD1F022.D	04/30/20 13:31
Initial Cal Check	0D30020-ICV5	ECD1F023.D	04/30/20 13:49

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0F02063</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0F0306</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0F02063-ICB1	ECD2R002.D	06/02/20 16:38
Cal Standard	0F02063-CAL1	ECD2R003.D	06/02/20 16:56
Cal Standard	0F02063-CAL2	ECD2R004.D	06/02/20 17:13
Cal Standard	0F02063-CAL3	ECD2R005.D	06/02/20 17:31
Cal Standard	0F02063-CAL4	ECD2R006.D	06/02/20 17:48
Cal Standard	0F02063-CAL5	ECD2R007.D	06/02/20 18:06
Cal Standard	0F02063-CAL6	ECD2R008.D	06/02/20 18:24
Cal Standard	0F02063-CAL7	ECD2R009.D	06/02/20 18:41
Initial Cal Check	0F02063-ICV1	ECD2R011.D	06/02/20 19:17
Cal Standard	0F02063-CAL8	ECD2R012.D	06/02/20 19:34
Cal Standard	0F02063-CAL9	ECD2R013.D	06/02/20 19:52
Cal Standard	0F02063-CALA	ECD2R014.D	06/02/20 20:10
Cal Standard	0F02063-CALB	ECD2R015.D	06/02/20 20:27
Cal Standard	0F02063-CALC	ECD2R016.D	06/02/20 20:45
Cal Standard	0F02063-CALD	ECD2R017.D	06/02/20 21:02
Cal Standard	0F02063-CALE	ECD2R018.D	06/02/20 21:20
Initial Cal Check	0F02063-ICV2	ECD2R019.D	06/02/20 21:38
Initial Cal Check	0F02063-ICV3	ECD2R020.D	06/02/20 21:55
Initial Cal Check	0F02063-ICV4	ECD2R021.D	06/02/20 22:13
Initial Cal Check	0F02063-ICV5	ECD2R022.D	06/02/20 22:30

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F06002

Instrument: DUALECD1R

Matrix: Sediment

Calibration: A0D0303

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0F06002-CCV1	ECD1R003.D	06/06/20 13:27
Calibration Blank	0F06002-CCB1	ECD1R004.D	06/06/20 13:45
Calibration Check	0F06002-CCV2	ECD1R007.D	06/06/20 15:12
Calibration Blank	0F06002-CCB2	ECD1R008.D	06/06/20 15:30
PDI-175SC-A-01-02-200522	A0E0668-03	ECD1R009.D	06/06/20 15:48
Calibration Check	0F06002-CCV3	ECD1R023.D	06/06/20 20:04
Calibration Blank	0F06002-CCB3	ECD1R024.D	06/06/20 20:22
Calibration Check	0F06002-CCV4	ECD1R035.D	06/06/20 23:42
Calibration Blank	0F06002-CCB4	ECD1R036.D	06/07/20 00:01

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F06004

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0F0306

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0F06004-CCV1	ECD2R002.D	06/06/20 13:13
Calibration Blank	0F06004-CCB1	ECD2R003.D	06/06/20 13:30
Calibration Check	0F06004-CCV2	ECD2R017.D	06/06/20 17:46
Calibration Blank	0F06004-CCB2	ECD2R018.D	06/06/20 18:03
PDI-1175SC-A-01-02-200522	A0E0668-01	ECD2R025.D	06/06/20 20:06
PDI-1175SC-A-01-02-200522 (Dup)	0060185-DUP1	ECD2R027.D	06/06/20 20:41
PDI-175SC-A-03-04-200522	A0E0668-05	ECD2R029.D	06/06/20 21:17
Calibration Check	0F06004-CCV3	ECD2R031.D	06/06/20 21:52
Calibration Blank	0F06004-CCB3	ECD2R032.D	06/06/20 22:09

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F07016

Instrument: DUALECD1F

Matrix: Sediment

Calibration: A0E0301

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0F07016-CCV1	ECD1F002.D	06/07/20 11:50
Calibration Blank	0F07016-CCB1	ECD1F003.D	06/07/20 12:08
Blank	0060185-BLK1	ECD1F004.D	06/07/20 12:49
LCS	0060185-BS1	ECD1F005.D	06/07/20 13:07
PDI-175SC-A-02-03-200522	A0E0668-04	ECD1F010.D	06/07/20 14:38
PDI-175SC-A-02-03-200522 (MS)	0060185-MS1	ECD1F012.D	06/07/20 15:14
PDI-175SC-A-02-03-200522 (MSD)	0060185-MSD1	ECD1F014.D	06/07/20 15:51
Calibration Check	0F07016-CCV2	ECD1F016.D	06/07/20 16:27
Calibration Blank	0F07016-CCB2	ECD1F017.D	06/07/20 16:45

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

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

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0303

Date: 04/03/20 12:19

Instrument: DUALECD1R

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	25791.51	Ave	4.777361	11.10643	1.652147E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0303

Instrument: DUALECD1R

Calibration Date: 04/03/20 12:19

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	1919.7	50	1772.76	100	1648.91	200	1539.135	500	1399.658	1000	1393.349
1016 (2)	20	3182.25	50	2920.82	100	2912.34	200	2844.335	500	2757.056	1000	2628.708
1016 (3)	20	1526	50	1450.22	100	1394.61	200	1370.61	500	1278.28	1000	1220.25
1016 (4)	20	1622.55	50	1538.52	100	1402.74	200	1316.365	500	1229.986	1000	1181.398
1016 (5)	20	1757.15	50	1684.58	100	1533.89	200	1452.68	500	1373.802	1000	1330.52
1016 (6)	20	1760.05	50	1666.94	100	1519.38	200	1464.955	500	1396.03	1000	1373.608
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	3237.35	50	3086.66	100	2989.69	200	2763.84	500	2788.752	1000	2704.807
1260 (2)	20	3858.65	50	3732	100	3525.15	200	3541.615	500	3410.8	1000	3304.15
1260 (3)	20	3896.45	50	3845.88	100	3544.66	200	3602.435	500	3614.826	1000	3434.385
1260 (4)	20	5238.55	50	5347	100	5366.23	200	5324.99	500	5182.87	1000	5140.456
1260 (5)	20	3167.05	50	3170.74	100	3040.2	200	3071.195	500	3137.736	1000	3045.73
1260 (6)	20	1289.55	50	1259.92	100	1191.68	200	1184.995	500	1242.602	1000	1125.838
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	26954.3	25	27336.12	50	26298.6	100	25237.73	250	23677.85	500	25209.52

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0303

Instrument: DUALECD1R

Matrix:

Calibration Date: 04/03/20 12:19

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	1369.793										
1016 (2)	1500	2698.763										
1016 (3)	1500	1259.005										
1016 (4)	1500	1163.727										
1016 (5)	1500	1298.637										
1016 (6)	1500	1330.296										
Aroclor 1016	1500	ϕ										
1254 (1)											500	2349.706
1254 (2)											500	3554.206
1254 (3)											500	3800.386
1254 (4)											500	2838.038
1254 (5)											500	2935.732
1254 (6)											500	833.116
Aroclor 1254											500	ϕ
1260 (1)	1500	2695.44										
1260 (2)	1500	3268.863										
1260 (3)	1500	3571.331										
1260 (4)	1500	5152.673										
1260 (5)	1500	3018.906										
1260 (6)	1500	1165.115										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	25826.45			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0303

Instrument: DUALECD1R

Matrix:

Calibration Date: 04/03/20 12:19

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	2727.872										
1262 (2)	500	3752.548										
1262 (3)	500	2721.152										
1262 (4)	500	5851.074										
1262 (5)	500	3529.696										
1262 (6)	500	1601										
Aroclor 1262	500	0										
Decachlorobiphenyl (Surr)	200	0	200	0								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0E0301

Date: 05/03/20 16:04

Instrument: DUALECD1F

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	60564.8	Ave	5.595187	10.17214	1.533888E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0E0301

Instrument: DUALECD1F

Calibration Date: 05/03/20 16:04

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
1016 (1)	20	3752.15	50	3417.3	100	3252.87	200	2977.45	500	2877.464	1000	2847.575
1016 (2)	20	5976.95	50	5643.34	100	5371.27	200	5407.295	500	5514.148	1000	5462.902
1016 (3)	20	3673.75	50	3455.56	100	3201.83	200	3070.575	500	3019.846	1000	3004.398
1016 (4)	20	3483.7	50	3191.94	100	2924.55	200	2761.76	500	2655.562	1000	2660.859
1016 (5)	20	3588.4	50	3295.84	100	2990.56	200	2882.01	500	2811.838	1000	2763.282
1016 (6)	20	2552.45	50	2296.66	100	2115.71	200	2062.4	500	2002.884	1000	1931.733
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	6097.95	50	5404.5	100	5196.94	200	5097.885	500	5034.598	1000	5266.096
1260 (2)	20	7392.95	50	6969.08	100	6629.86	200	6692.54	500	6612.17	1000	6691.544
1260 (3)	20	5337.3	50	4845.34	100	4660.52	200	4531.385	500	4547.492	1000	4692.687
1260 (4)	20	11510.2	50	11021.1	100	10927.46	200	11470.51	500	11412.58	1000	11826.02
1260 (5)	20	6992	50	6652.92	100	6457.75	200	6563.405	500	6520.782	1000	6748.807
1260 (6)	20	3101.2	50	2939.58	100	2633.97	200	2557.995	500	2557.648	1000	2581.977
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	57365.2	25	57660.56	50	59622.5	100	63735.05	250	57233.92	500	63113.16

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0E0301

Instrument: DUALECDIF

Matrix:

Calibration Date: 05/03/20 16:04

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
1016 (1)	1500	2941.123										
1016 (2)	1500	5695.803										
1016 (3)	1500	3081.693										
1016 (4)	1500	2751.351										
1016 (5)	1500	2876.638										
1016 (6)	1500	1968.242										
Aroclor 1016	1500	ϕ										
1254 (1)											500	4462.726
1254 (2)											500	5065.032
1254 (3)											500	7505.22
1254 (4)											500	5045.812
1254 (5)											500	4980.488
1254 (6)											500	1606.728
Aroclor 1254											500	ϕ
1260 (1)	1500	5406.938										
1260 (2)	1500	7002.253										
1260 (3)	1500	4717.125										
1260 (4)	1500	12274.19										
1260 (5)	1500	7102.894										
1260 (6)	1500	2586.319										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	65223.23			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0E0301

Instrument: DUALECD1F

Matrix:

Calibration Date: 05/03/20 16:04

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	5218.596										
1262 (2)	500	7399.046										
1262 (3)	500	6042.098										
1262 (4)	500	13092.59										
1262 (5)	500	7057.462										
1262 (6)	500	3574.112										
Aroclor 1262	500	θ										
Decachlorobiphenyl (Surr)	200	θ	200	θ								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0306

Date: 06/03/20 15:52

Instrument: DUALECD2R

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	159517	Ave	14.93258	10.78529	1.656442E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0306

Instrument: DUALECD2R

Calibration Date: 06/03/20 15:52

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	4713.2	50	4408.76	100	4008.39	200	3856.84	500	3649.342	1000	3485.85
1016 (2)	20	9333.4	50	9071.08	100	8575.33	200	8779.545	500	8594.746	1000	8614.348
1016 (3)	20	5165.35	50	5005.16	100	4675.51	200	4649.425	500	4506.884	1000	4343.586
1016 (4)	20	3693.5	50	3305.24	100	3019.27	200	2883.775	500	2731.808	1000	2522.88
1016 (5)	20	4465.5	50	4017.52	100	3667.65	200	3569.175	500	3436.028	1000	3205.102
1016 (6)	20	4489.3	50	4330.4	100	3896.59	200	3892.535	500	3734.208	1000	3471.984
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	8658.8	50	8039.96	100	7373.49	200	7474.185	500	7216.638	1000	6790.443
1260 (2)	20	10519	50	9380.82	100	9111.21	200	8871.32	500	8906.682	1000	9140.064
1260 (3)	20	11818.55	50	11295.68	100	10949.6	200	11067.66	500	11235.03	1000	10766.91
1260 (4)	20	18605.65	50	17438.92	100	17773.73	200	19237.17	500	19513.76	1000	19969.31
1260 (5)	20	11396.75	50	10926.92	100	11024.42	200	10668.71	500	10783.7	1000	10950.74
1260 (6)	20	5967.4	50	5818.66	100	5158.82	200	5121.155	500	4900.08	1000	4809.519
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	138779.1	25	141951.7	50	144913.2	100	159062.2	250	151711.2	500	173967.2

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0306

Instrument: DUALECD2R

Matrix:

Calibration Date: 06/03/20 15:52

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	3602.063										
1016 (2)	1500	9137.366										
1016 (3)	1500	4643.498										
1016 (4)	1500	2694.101										
1016 (5)	1500	3394.315										
1016 (6)	1500	3646.476										
Aroclor 1016	1500	ϕ										
1254 (1)											500	5538.798
1254 (2)											500	9247.118
1254 (3)											500	11862.16
1254 (4)											500	8777.88
1254 (5)											500	9402.656
1254 (6)											500	2948.89
Aroclor 1254											500	ϕ
1260 (1)	1500	7781.333										
1260 (2)	1500	9424.66										
1260 (3)	1500	12335.75										
1260 (4)	1500	22060.08										
1260 (5)	1500	11932.6										
1260 (6)	1500	5162.268										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	206234.6			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0306

Instrument: DUALECD2R

Matrix:

Calibration Date: 06/03/20 15:52

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	6794.386										
1262 (2)	500	9971.01										
1262 (3)	500	8466.122										
1262 (4)	500	20758.9										
1262 (5)	500	12346.52										
1262 (6)	500	6583.732										
Aroclor 1262	500	θ										
Decachlorobiphenyl (Surr)	200	θ	200	θ								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1R Calibration: A0D0303
Lab File ID: ECD1R014.D
Sequence: 0D02023 Inject Date: 04/02/20
Lab Sample ID: 0D02023-ICV1 Inject Time: 11:09

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	463	-7.4	70 - 130
Aroclor 1260	500	479	-4.1	70 - 130
Decachlorobiphenyl (Surr)	200	205	2.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1R Calibration: A0D0303
Lab File ID: ECD1R022.D
Sequence: 0D02023 Inject Date: 04/02/20
Lab Sample ID: 0D02023-ICV2 Inject Time: 13:35

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	940	-6.0	70 - 130
Aroclor 1254	500	509	1.8	70 - 130
Decachlorobiphenyl (Surr)	80.0	86.1	7.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1R Calibration: A0D0303
Lab File ID: ECD1R023.D
Sequence: 0D02023 Inject Date: 04/02/20
Lab Sample ID: 0D02023-ICV3 Inject Time: 13:53

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	568	13.5	70 - 130
Aroclor 1262	500	536	7.3	70 - 130
Decachlorobiphenyl (Surr)	80.0	90.7	13.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1R Calibration: A0D0303
Lab File ID: ECD1R024.D
Sequence: 0D02023 Inject Date: 04/02/20
Lab Sample ID: 0D02023-ICV4 Inject Time: 14:12

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	514	2.9	70 - 130
Aroclor 1268	500	481	-3.7	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1R Calibration: A0D0303
Lab File ID: ECD1R025.D
Sequence: 0D02023 Inject Date: 04/02/20
Lab Sample ID: 0D02023-ICV5 Inject Time: 14:30

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

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1F Calibration: A0E0301
Lab File ID: ECD1F012.D
Sequence: 0D30020 Inject Date: 04/30/20
Lab Sample ID: 0D30020-ICV1 Inject Time: 10:28

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	462	-7.6	70 - 130
Aroclor 1260	500	462	-7.7	70 - 130
Decachlorobiphenyl (Surr)	200	205	2.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1F Calibration: A0E0301
Lab File ID: ECD1F020.D
Sequence: 0D30020 Inject Date: 04/30/20
Lab Sample ID: 0D30020-ICV2 Inject Time: 12:55

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	981	-1.9	70 - 130
Aroclor 1254	500	506	1.2	70 - 130
Decachlorobiphenyl (Surr)	80.0	77.2	-3.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1F Calibration: A0E0301
Lab File ID: ECD1F021.D
Sequence: 0D30020 Inject Date: 04/30/20
Lab Sample ID: 0D30020-ICV3 Inject Time: 13:13

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	513	2.7	70 - 130
Aroclor 1262	500	481	-3.8	70 - 130
Decachlorobiphenyl (Surr)	80.0	77.6	-3.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD1F Calibration: A0E0301
Lab File ID: ECD1F022.D
Sequence: 0D30020 Inject Date: 04/30/20
Lab Sample ID: 0D30020-ICV4 Inject Time: 13:31

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	520	4.1	70 - 130
Aroclor 1268	500	490	-1.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0F0306
Lab File ID: ECD2R011.D
Sequence: 0F02063 Inject Date: 06/02/20
Lab Sample ID: 0F02063-ICV1 Inject Time: 19:17

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	456	-8.8	70 - 130
Aroclor 1260	500	470	-6.0	70 - 130
Decachlorobiphenyl (Surr)	200	170	-14.8	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0F0306
Lab File ID: ECD2R019.D
Sequence: 0F02063 Inject Date: 06/02/20
Lab Sample ID: 0F02063-ICV2 Inject Time: 21:38

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	962	-3.8	70 - 130
Aroclor 1254	500	498	-0.5	70 - 130
Decachlorobiphenyl (Surr)	80.0	62.1	-22.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0F0306
Lab File ID: ECD2R021.D
Sequence: 0F02063 Inject Date: 06/02/20
Lab Sample ID: 0F02063-ICV4 Inject Time: 22:13

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	522	4.3	70 - 130
Aroclor 1268	500	499	-0.1	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0F0306
Lab File ID: ECD2R022.D
Sequence: 0F02063 Inject Date: 06/02/20
Lab Sample ID: 0F02063-ICV5 Inject Time: 22:30

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	513	2.7	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD1R</u>	Calibration: <u>A0D0303</u>
Lab File ID: <u>ECD1R003.D</u>	Calibration Date: <u>04/03/20 12:19</u>
Sequence: <u>0F06002</u>	Injection Date: <u>06/06/20</u>
Lab Sample ID: <u>0F06002-CCV1</u>	Injection Time: <u>13:27</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	498				-0.4	20
Aroclor 1260	Ave	500	543				8.6	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD1R</u>	Calibration: <u>A0D0303</u>
Lab File ID: <u>ECD1R007.D</u>	Calibration Date: <u>04/03/20 12:19</u>
Sequence: <u>0F06002</u>	Injection Date: <u>06/06/20</u>
Lab Sample ID: <u>0F06002-CCV2</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	
Aroclor 1016	Ave	500	522				4.4	20
Aroclor 1260	Ave	500	567				13.4	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD1R</u>	Calibration: <u>A0D0303</u>
Lab File ID: <u>ECD1R023.D</u>	Calibration Date: <u>04/03/20 12:19</u>
Sequence: <u>0F06002</u>	Injection Date: <u>06/06/20</u>
Lab Sample ID: <u>0F06002-CCV3</u>	Injection Time: <u>20:04</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	545				9.0	20
Aroclor 1260	Ave	500	562				12.3	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD1R</u>	Calibration: <u>A0D0303</u>
Lab File ID: <u>ECD1R035.D</u>	Calibration Date: <u>04/03/20 12:19</u>
Sequence: <u>0F06002</u>	Injection Date: <u>06/06/20</u>
Lab Sample ID: <u>0F06002-CCV4</u>	Injection Time: <u>23:42</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	567				13.4	20
Aroclor 1260	Ave	500	591				18.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0F0306</u>
Lab File ID: <u>ECD2R002.D</u>	Calibration Date: <u>06/03/20 15:52</u>
Sequence: <u>0F06004</u>	Injection Date: <u>06/06/20</u>
Lab Sample ID: <u>0F06004-CCV1</u>	Injection Time: <u>13:13</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	487				-2.5	20
Aroclor 1260	Ave	500	476				-4.9	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0F0306</u>
Lab File ID: <u>ECD2R017.D</u>	Calibration Date: <u>06/03/20 15:52</u>
Sequence: <u>0F06004</u>	Injection Date: <u>06/06/20</u>
Lab Sample ID: <u>0F06004-CCV2</u>	Injection Time: <u>17:46</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	454				-9.2	20
Aroclor 1260	Ave	500	432				-13.7	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0F0306</u>
Lab File ID: <u>ECD2R031.D</u>	Calibration Date: <u>06/03/20 15:52</u>
Sequence: <u>0F06004</u>	Injection Date: <u>06/06/20</u>
Lab Sample ID: <u>0F06004-CCV3</u>	Injection Time: <u>21:52</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	502				0.5	20
Aroclor 1260	Ave	500	500				-0.08	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD1F</u>	Calibration: <u>A0E0301</u>
Lab File ID: <u>ECD1F002.D</u>	Calibration Date: <u>05/03/20 16:04</u>
Sequence: <u>0F07016</u>	Injection Date: <u>06/07/20</u>
Lab Sample ID: <u>0F07016-CCV1</u>	Injection Time: <u>11:50</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	511				2.2	20
Aroclor 1260	Ave	500	539				7.7	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD1F</u>	Calibration: <u>A0E0301</u>
Lab File ID: <u>ECD1F016.D</u>	Calibration Date: <u>05/03/20 16:04</u>
Sequence: <u>0F07016</u>	Injection Date: <u>06/07/20</u>
Lab Sample ID: <u>0F07016-CCV2</u>	Injection Time: <u>16:27</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	484				-3.1	20
Aroclor 1260	Ave	500	531				6.1	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0D02023</u>	Instrument: <u>DUALECD1R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0303</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D02023-ICV1)			Lab File ID: ECD1R014.D		Analyzed: 04/02/20 11:09			
Decachlorobiphenyl (Surr)	200	103	70 - 130	11.107	11.10643	0.0006	+/-1.0	
Initial Cal Check (0D02023-ICV2)			Lab File ID: ECD1R022.D		Analyzed: 04/02/20 13:35			
Decachlorobiphenyl (Surr)	80.0	108	70 - 130	11.103	11.10643	-0.0034	+/-1.0	
Initial Cal Check (0D02023-ICV3)			Lab File ID: ECD1R023.D		Analyzed: 04/02/20 13:53			
Decachlorobiphenyl (Surr)	80.0	113	70 - 130	11.106	11.10643	-0.0004	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0D30020</u>	Instrument: <u>DUALECD1F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0E0301</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D30020-ICV1)			Lab File ID: ECD1F012.D		Analyzed: 04/30/20 10:28			
Decachlorobiphenyl (Surr)	200	102	70 - 130	10.173	10.17214	0.0009	+/-1.0	
Initial Cal Check (0D30020-ICV2)			Lab File ID: ECD1F020.D		Analyzed: 04/30/20 12:55			
Decachlorobiphenyl (Surr)	80.0	96	70 - 130	10.17	10.17214	-0.0021	+/-1.0	
Initial Cal Check (0D30020-ICV3)			Lab File ID: ECD1F021.D		Analyzed: 04/30/20 13:13			
Decachlorobiphenyl (Surr)	80.0	97	70 - 130	10.17	10.17214	-0.0021	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0F02063</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0F0306</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0F02063-ICV1)			Lab File ID: ECD2R011.D		Analyzed: 06/02/20 19:17			
Decachlorobiphenyl (Surr)	200	85	70 - 130	10.784	10.78529	-0.0013	+/-1.0	
Initial Cal Check (0F02063-ICV2)			Lab File ID: ECD2R019.D		Analyzed: 06/02/20 21:38			
Decachlorobiphenyl (Surr)	80.0	78	70 - 130	10.782	10.78529	-0.0033	+/-1.0	
Initial Cal Check (0F02063-ICV3)			Lab File ID: ECD2R020.D		Analyzed: 06/02/20 21:55			
Decachlorobiphenyl (Surr)	80.0	81	70 - 130	10.781	10.78529	-0.0043	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0F06002</u>	Instrument: <u>DUALECD1R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0303</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F06002-CCV1)			Lab File ID: ECD1R003.D		Analyzed: 06/06/20 13:27			
Decachlorobiphenyl (Surr)	250	101	80 - 120	11.099	11.10643	-0.0074	+/-1.0	
Calibration Blank (0F06002-CCB1)			Lab File ID: ECD1R004.D		Analyzed: 06/06/20 13:45			
Decachlorobiphenyl (Surr)	100	102	43 - 120	11.101	11.10643	-0.0054	+/-1.0	
Calibration Check (0F06002-CCV2)			Lab File ID: ECD1R007.D		Analyzed: 06/06/20 15:12			
Decachlorobiphenyl (Surr)	250	107	80 - 120	11.082	11.10643	-0.0244	+/-1.0	
Calibration Blank (0F06002-CCB2)			Lab File ID: ECD1R008.D		Analyzed: 06/06/20 15:30			
Decachlorobiphenyl (Surr)	100	111	43 - 120	11.085	11.10643	-0.0214	+/-1.0	
PDI-175SC-A-01-02-200522 (A0E0668-03)			Lab File ID: ECD1R009.D		Analyzed: 06/06/20 15:48			
Decachlorobiphenyl (Surr)	18.1	49	43 - 120	11.082	11.10643	-0.0244	+/-1.0	
Calibration Check (0F06002-CCV3)			Lab File ID: ECD1R023.D		Analyzed: 06/06/20 20:04			
Decachlorobiphenyl (Surr)	250	101	80 - 120	11.094	11.10643	-0.0124	+/-1.0	
Calibration Blank (0F06002-CCB3)			Lab File ID: ECD1R024.D		Analyzed: 06/06/20 20:22			
Decachlorobiphenyl (Surr)	100	112	43 - 120	11.092	11.10643	-0.0144	+/-1.0	
Calibration Check (0F06002-CCV4)			Lab File ID: ECD1R035.D		Analyzed: 06/06/20 23:42			
Decachlorobiphenyl (Surr)	250	109	80 - 120	11.066	11.10643	-0.0404	+/-1.0	
Calibration Blank (0F06002-CCB4)			Lab File ID: ECD1R036.D		Analyzed: 06/07/20 00:01			
Decachlorobiphenyl (Surr)	100	119	43 - 120	11.062	11.10643	-0.0444	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0F06004</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0F0306</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F06004-CCV1)			Lab File ID: ECD2R002.D		Analyzed: 06/06/20 13:13			
Decachlorobiphenyl (Surr)	250	87	80 - 120	10.787	10.78529	0.0017	+/-1.0	
Calibration Blank (0F06004-CCB1)			Lab File ID: ECD2R003.D		Analyzed: 06/06/20 13:30			
Decachlorobiphenyl (Surr)	100	84	43 - 120	10.787	10.78529	0.0017	+/-1.0	
Calibration Check (0F06004-CCV2)			Lab File ID: ECD2R017.D		Analyzed: 06/06/20 17:46			
Decachlorobiphenyl (Surr)	250	84	80 - 120	10.786	10.78529	0.0007	+/-1.0	
Calibration Blank (0F06004-CCB2)			Lab File ID: ECD2R018.D		Analyzed: 06/06/20 18:03			
Decachlorobiphenyl (Surr)	100	80	43 - 120	10.788	10.78529	0.0027	+/-1.0	
PDI-1175SC-A-01-02-200522 (A0E0668-01)			Lab File ID: ECD2R025.D		Analyzed: 06/06/20 20:06			
Decachlorobiphenyl (Surr)	18.1	20	43 - 120	10.787	10.78529	0.0017	+/-1.0	*
Duplicate (0060185-DUP1)			Lab File ID: ECD2R027.D		Analyzed: 06/06/20 20:41			
Decachlorobiphenyl (Surr)	18.2	23	43 - 120	10.788	10.78529	0.0027	+/-1.0	*
PDI-175SC-A-03-04-200522 (A0E0668-05)			Lab File ID: ECD2R029.D		Analyzed: 06/06/20 21:17			
Decachlorobiphenyl (Surr)	19.1	74	43 - 120	10.787	10.78529	0.0017	+/-1.0	
Calibration Check (0F06004-CCV3)			Lab File ID: ECD2R031.D		Analyzed: 06/06/20 21:52			
Decachlorobiphenyl (Surr)	250	86	80 - 120	10.789	10.78529	0.0037	+/-1.0	
Calibration Blank (0F06004-CCB3)			Lab File ID: ECD2R032.D		Analyzed: 06/06/20 22:09			
Decachlorobiphenyl (Surr)	100	91	43 - 120	10.784	10.78529	-0.0013	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0F07016</u>	Instrument: <u>DUALECD1F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0E0301</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F07016-CCV1)			Lab File ID: ECD1F002.D		Analyzed: 06/07/20 11:50			
Decachlorobiphenyl (Surr)	250	105	80 - 120	10.098	10.17214	-0.0741	+/-1.0	
Calibration Blank (0F07016-CCB1)			Lab File ID: ECD1F003.D		Analyzed: 06/07/20 12:08			
Decachlorobiphenyl (Surr)	100	106	43 - 120	10.093	10.17214	-0.0791	+/-1.0	
Blank (0060185-BLK1)			Lab File ID: ECD1F004.D		Analyzed: 06/07/20 12:49			
Decachlorobiphenyl (Surr)	16.1	97	43 - 120	10.1	10.17214	-0.0721	+/-1.0	
LCS (0060185-BS1)			Lab File ID: ECD1F005.D		Analyzed: 06/07/20 13:07			
Decachlorobiphenyl (Surr)	16.7	94	43 - 120	10.093	10.17214	-0.0791	+/-1.0	
PDI-175SC-A-02-03-200522 (A0E0668-04)			Lab File ID: ECD1F010.D		Analyzed: 06/07/20 14:38			
Decachlorobiphenyl (Surr)	18.7	86	43 - 120	10.093	10.17214	-0.0791	+/-1.0	
Matrix Spike (0060185-MS1)			Lab File ID: ECD1F012.D		Analyzed: 06/07/20 15:14			
Decachlorobiphenyl (Surr)	18.7	81	43 - 120	10.086	10.17214	-0.0861	+/-1.0	
Matrix Spike Dup (0060185-MSD1)			Lab File ID: ECD1F014.D		Analyzed: 06/07/20 15:51			
Decachlorobiphenyl (Surr)	18.7	89	43 - 120	10.082	10.17214	-0.0901	+/-1.0	
Calibration Check (0F07016-CCV2)			Lab File ID: ECD1F016.D		Analyzed: 06/07/20 16:27			
Decachlorobiphenyl (Surr)	250	103	80 - 120	10.084	10.17214	-0.0881	+/-1.0	
Calibration Blank (0F07016-CCB2)			Lab File ID: ECD1F017.D		Analyzed: 06/07/20 16:45			
Decachlorobiphenyl (Surr)	100	109	43 - 120	10.082	10.17214	-0.0901	+/-1.0	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-1175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/04/20 12:22	13.12	365.00	06/06/20 20:06	2.32	40.00	
PDI-175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/04/20 12:22	13.12	365.00	06/06/20 15:48	2.14	40.00	
PDI-175SC-A-02-03-200522	05/22/20 09:25	05/22/20 12:20	06/04/20 12:22	13.12	365.00	06/07/20 14:38	3.09	40.00	
PDI-175SC-A-03-04-200522	05/22/20 09:25	05/22/20 12:20	06/04/20 12:22	13.12	365.00	06/06/20 21:17	2.37	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-1175SC-A-01-02-200522</u>	<u>A0E0668-01</u>	<u>SE</u>
<u>PDI-175SC-A-00-01-200522</u>	<u>A0E0668-02</u>	<u>SE</u>
<u>PDI-175SC-A-01-02-200522</u>	<u>A0E0668-03</u>	<u>SE</u>
<u>PDI-175SC-A-02-03-200522</u>	<u>A0E0668-04</u>	<u>SE</u>
<u>PDI-175SC-A-03-04-200522</u>	<u>A0E0668-05</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: _____

7/7/2020 10:44AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
2,4'-DDD	0.500	1.00	ug/kg
2,4'-DDE	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'-DDE	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-1175SC-A-01-02-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-01RE1</u>	File ID: <u>ECD3-06102019.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/03/20 11:47</u>	Analyzed: <u>06/10/20 17:26</u>
Solids: <u>90.36</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.46 g / 20 mL</u>
Batch: <u>0060273</u>	Sequence: <u>0F10057</u>	Calibration: <u>A0F0805</u> Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	5	10.6	U
3424-82-6	2,4'-DDE	5	10.6	U
789-02-6	2,4'-DDT [2C]	5	10.6	U
72-54-8	4,4'-DDD	5	10.6	U
72-55-9	4,4'-DDE	5	10.6	U
50-29-3	4,4'-DDT [2C]	5	21.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	52.9	42.9	81	42 - 129	
Decachlorobiphenyl (Surr)	52.9	55.2	104	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-175SC-A-00-01-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-02RE1</u>	File ID: <u>ECD3-06102023.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/03/20 11:47</u>	Analyzed: <u>06/10/20 18:41</u>
Solids: <u>92.17</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.11 g / 20 mL</u>
Batch: <u>0060273</u>	Sequence: <u>0F10057</u>	Calibration: <u>A0F0805</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	8.59	U
3424-82-6	2,4'-DDE	2	4.29	U
789-02-6	2,4'-DDT [2C]	2	8.59	U
72-54-8	4,4'-DDD	2	5.57	JD
72-55-9	4,4'-DDE	2	4.29	U
50-29-3	4,4'-DDT [2C]	2	8.59	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	53.7	37.3	70	42 - 129	
Decachlorobiphenyl (Surr)	53.7	50.7	95	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-175SC-A-01-02-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-03RE1</u>	File ID: <u>ECD3-06102025.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/03/20 11:47</u>	Analyzed: <u>06/10/20 19:19</u>
Solids: <u>90.44</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.24 g / 20 mL</u>
Batch: <u>0060273</u>	Sequence: <u>0F10057</u>	Calibration: <u>A0F0805</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	5	21.6	U
3424-82-6	2,4'-DDE	5	10.8	U
789-02-6	2,4'-DDT [2C]	5	10.8	U
72-54-8	4,4'-DDD	5	10.8	U
72-55-9	4,4'-DDE	5	10.8	U
50-29-3	4,4'-DDT [2C]	5	21.6	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	54.0	43.8	81	42 - 129	
Decachlorobiphenyl (Surr)	54.0	63.3	117	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-175SC-A-02-03-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-04RE1</u>	File ID: <u>ECD3-06102009.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/03/20 11:47</u>	Analyzed: <u>06/10/20 14:30</u>
Solids: <u>87.11</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.45 g / 10 mL</u>
Batch: <u>0060273</u>	Sequence: <u>0F10057</u>	Calibration: <u>A0F0805</u> Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.10	U
3424-82-6	2,4'-DDE	1	1.10	U
789-02-6	2,4'-DDT	1	1.10	U
72-54-8	4,4'-DDD	1	1.10	U
72-55-9	4,4'-DDE	1	1.10	U
50-29-3	4,4'-DDT	1	1.10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	54.9	23.5	43	42 - 129	
Decachlorobiphenyl (Surr)	54.9	50.6	92	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-175SC-A-03-04-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-05RE1</u>	File ID: <u>ECD3-06102012.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/03/20 11:47</u>	Analyzed: <u>06/10/20 15:22</u>
Solids: <u>87.02</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.64 g / 10 mL</u>
Batch: <u>0060273</u>	Sequence: <u>0F10057</u>	Calibration: <u>A0F0805</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.08	U
3424-82-6	2,4'-DDE	1	1.08	U
789-02-6	2,4'-DDT	1	1.08	U
72-54-8	4,4'-DDD	1	1.08	U
72-55-9	4,4'-DDE	1	1.08	U
50-29-3	4,4'-DDT	1	1.08	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	54.0	28.9	53	42 - 129	
Decachlorobiphenyl (Surr)	54.0	50.3	93	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060273

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060273-BLK1	ECD3-06102007.D	06/03/20 11:47	
LCS	0060273-BS1	ECD3-06102008.D	06/03/20 11:47	
PDI-1175SC-A-01-02-200522 (Dup)	0060273-DUP1	ECD3-06102021.D	06/03/20 11:47	
PDI-175SC-A-02-03-200522 (MS)	0060273-MS1	ECD3-06102010.D	06/03/20 11:47	
PDI-175SC-A-02-03-200522 (MSD)	0060273-MSD1	ECD3-06102011.D	06/03/20 11:47	
PDI-1175SC-A-01-02-200522	A0E0668-01RE1	ECD3-06102019.D	06/03/20 11:47	
PDI-175SC-A-00-01-200522	A0E0668-02RE1	ECD3-06102023.D	06/03/20 11:47	
PDI-175SC-A-01-02-200522	A0E0668-03RE1	ECD3-06102025.D	06/03/20 11:47	
PDI-175SC-A-02-03-200522	A0E0668-04RE1	ECD3-06102009.D	06/03/20 11:47	
PDI-175SC-A-03-04-200522	A0E0668-05RE1	ECD3-06102012.D	06/03/20 11:47	

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

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

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0060273-BLK1</u>	File ID: <u>ECD3-06102007.D</u>
Prepared: <u>06/03/20 11:47</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>06/10/20 13:56</u>	Instrument: <u>DUALECD3</u>	
Batch: <u>0060273</u>	Sequence: <u>0F10057</u>	Calibration: <u>A0F0805</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	45.5	34.7	76	42 - 129	
Decachlorobiphenyl (Surr)	45.5	43.5	96	55 - 130	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060273

Laboratory ID: 0060273-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	50.0	52.2	104	50 - 150
2,4'-DDE	50.0	44.9	90	50 - 150
2,4'-DDT	50.0	65.5	131	50 - 150
4,4'-DDD	50.0	52.4	105	50 - 150
4,4'-DDE	50.0	44.6	89	50 - 150
4,4'-DDT	50.0	59.0	118	50 - 150

* = Values outside of QC limits

DUPLICATES

PDI-1175SC-A-01-02-200522

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0060273-DUP1

Batch: 0060273

Lab Source ID: A0E0668-01RE1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.49 g / 20 mL

Source Sample Name: PDI-1175SC-A-01-02-200522

% Solids: 90.36

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
2,4'-DDD	30	9.81		ND				EPA 8081B
2,4'-DDE	30	0.741		ND				EPA 8081B
2,4'-DDT [2C]	30	2.22		ND				EPA 8081B
4,4'-DDD	30	3.93		ND				EPA 8081B
4,4'-DDE	30	0.973		ND				EPA 8081B
4,4'-DDT [2C]	30	12.7		ND				EPA 8081B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**PDI-175SC-A-02-03-200522****EPA 8081B**Laboratory: Apex LaboratoriesSDG: Gasco PreRD_DG 2019Client: Anchor QEA, LLCProject: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing CMatrix: SedimentBatch: 0060273Laboratory ID: 0060273-MS1Preparation: EPA 3546/3640A (GPC)Initial/Final: 10.5 g / 10 mLSource Sample Name: PDI-175SC-A-02-03-200522

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	54.7	ND	54.9	101	50 - 150
2,4'-DDE	54.7	ND	45.4	83	50 - 150
2,4'-DDT	54.7	ND	69.5	127	50 - 150
4,4'-DDD	54.7	ND	57.0	104	50 - 150
4,4'-DDE	54.7	ND	47.2	86	50 - 150
4,4'-DDT	54.7	ND	64.9	119	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

PDI-175SC-A-02-03-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060273

Laboratory ID: 0060273-MSD1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.5 g / 10 mL

Source Sample Name: PDI-175SC-A-02-03-200522

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
2,4'-DDD	54.7	58.3	107	6	30	50 - 150
2,4'-DDE	54.7	51.2	94	12	30	50 - 150
2,4'-DDT	54.7	74.9	137	8	30	50 - 150
4,4'-DDD	54.7	60.4	111	6	30	50 - 150
4,4'-DDE	54.7	51.1	94	8	30	50 - 150
4,4'-DDT	54.7	71.7	131	10	30	50 - 150

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0F06006</u>	Instrument: <u>DUALECD3</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0F0805</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0F06006-ICB1	ECD3-06062006.D	06/06/20 16:57
Cal Standard	0F06006-CAL1	ECD3-06062007.D	06/06/20 17:14
Cal Standard	0F06006-CAL2	ECD3-06062008.D	06/06/20 17:31
Cal Standard	0F06006-CAL3	ECD3-06062009.D	06/06/20 17:48
Cal Standard	0F06006-CAL4	ECD3-06062010.D	06/06/20 18:05
Cal Standard	0F06006-CAL5	ECD3-06062011.D	06/06/20 18:22
Cal Standard	0F06006-CAL6	ECD3-06062012.D	06/06/20 18:39
Cal Standard	0F06006-CAL7	ECD3-06062013.D	06/06/20 18:56
Cal Standard	0F06006-CAL8	ECD3-06062014.D	06/06/20 19:13
Cal Standard	0F06006-CAL9	ECD3-06062015.D	06/06/20 19:30
Initial Cal Check	0F06006-ICV1	ECD3-06062017.D	06/06/20 20:04
Cal Standard	0F06006-CALA	ECD3-06062018.D	06/06/20 20:22
Cal Standard	0F06006-CALB	ECD3-06062019.D	06/06/20 20:39
Cal Standard	0F06006-CALC	ECD3-06062020.D	06/06/20 20:56
Cal Standard	0F06006-CALD	ECD3-06062021.D	06/06/20 21:13
Cal Standard	0F06006-CALE	ECD3-06062022.D	06/06/20 21:30
Cal Standard	0F06006-CALF	ECD3-06062023.D	06/06/20 21:47
Cal Standard	0F06006-CALG	ECD3-06062024.D	06/06/20 22:04
Cal Standard	0F06006-CALH	ECD3-06062025.D	06/06/20 22:21
Cal Standard	0F06006-CALI	ECD3-06062026.D	06/06/20 22:38
Initial Cal Check	0F06006-ICV2	ECD3-06062028.D	06/06/20 23:12

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F10057

Instrument: DUALECD3

Matrix: Sediment

Calibration: A0F0805

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0F10057-CCV1	ECD3-06102004.D	06/10/20 13:04
Calibration Check	0F10057-CCV2	ECD3-06102005.D	06/10/20 13:22
Calibration Blank	0F10057-CCB1	ECD3-06102006.D	06/10/20 13:39
Blank	0060273-BLK1	ECD3-06102007.D	06/10/20 13:56
LCS	0060273-BS1	ECD3-06102008.D	06/10/20 14:13
PDI-175SC-A-02-03-200522	A0E0668-04RE1	ECD3-06102009.D	06/10/20 14:30
PDI-175SC-A-02-03-200522 (MS)	0060273-MS1	ECD3-06102010.D	06/10/20 14:47
PDI-175SC-A-02-03-200522 (MSD)	0060273-MSD1	ECD3-06102011.D	06/10/20 15:05
PDI-175SC-A-03-04-200522	A0E0668-05RE1	ECD3-06102012.D	06/10/20 15:22
Calibration Check	0F10057-CCV3	ECD3-06102016.D	06/10/20 16:34
Calibration Check	0F10057-CCV4	ECD3-06102017.D	06/10/20 16:51
Calibration Blank	0F10057-CCB2	ECD3-06102018.D	06/10/20 17:08
PDI-1175SC-A-01-02-200522	A0E0668-01RE1	ECD3-06102019.D	06/10/20 17:26
PDI-1175SC-A-01-02-200522 (Dup)	0060273-DUP1	ECD3-06102021.D	06/10/20 18:03
PDI-175SC-A-00-01-200522	A0E0668-02RE1	ECD3-06102023.D	06/10/20 18:41
PDI-175SC-A-01-02-200522	A0E0668-03RE1	ECD3-06102025.D	06/10/20 19:19
Calibration Check	0F10057-CCV5	ECD3-06102027.D	06/10/20 19:56
Calibration Check	0F10057-CCV6	ECD3-06102028.D	06/10/20 20:14
Calibration Blank	0F10057-CCB3	ECD3-06102029.D	06/10/20 20:31

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

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

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0805

Date: 06/08/20 16:27

Instrument: DUALECD3

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD	91532.43	Ave	9.214574	7.657556	5.332174E-03			20	
2,4'-DDE	106451.5	XXX	11.14873	7.282778	1.631808E-02				
2,4'-DDT	77141.68	Ave	10.04272	7.840889	4.927854E-03			20	
4,4'-DDD	129646.2	Ave	4.239683	7.957444	1.337484E-02			20	
4,4'-DDE	163161.3	Ave	4.245317	7.533889	0.013632			20	
4,4'-DDT	101969.8	XXX	11.28662	8.156222	2.178855E-02				
2,4,5,6-TCMX (Surr)	149500.9	Ave	5.028819	5.331222	0.0204121			20	
Decachlorobiphenyl (Surr)	119655.2	XXX	10.74543	9.559667	8.373354E-03				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0805

Instrument: DUALECD3

Calibration Date: 06/08/20 16:27

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	137926	1	127947	2	123775	5	124528.6	10	125084.5	25	129466.8
4,4'-DDD [2C]	0.5	75708	1	71439	2	69147.5	5	69048.2	10	68625.1	25	70290.08
4,4'-DDE	0.5	171644	1	163871	2	153651.5	5	152502.8	10	160379.5	25	161401.9
4,4'-DDE [2C]	0.5	91944	1	93759	2	88706.5	5	94271.6	10	88334.7	25	91784.84
4,4'-DDT	0.5	103506	1	97869	2	85751	5	94376.6	10	91070	25	102825.4
4,4'-DDT [2C]	0.5	64642	1	56436	2	45010.5	5	47558.4	10	47145.7	25	54336.36
2,4,5,6-TCMX (Surr)	0.5	164344	1	156739	2	143047.5	5	143849.2	10	140479.7	25	145904.5
2,4,5,6-TCMX (Surr) [2C]	0.5	84064	1	71943	2	62516.5	5	61855	10	61707.1	25	66574.36
Decachlorobiphenyl (Surr)	0.5	147344	1	134350	2	120188.5	5	114050	10	115361	25	108433.1
Decachlorobiphenyl (Surr) [2C]	0.5	86270	1	83248	2	69341.5	5	69356.8	10	69244.1	25	65987.72

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0805

Instrument: DUALECD3

Matrix:

Calibration Date: 06/08/20 16:27

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	105396	1	105471	2	92457
2,4'-DDD [2C]							0.5	69098	1	66814	2	56388.5
2,4'-DDE							0.5	130644	1	121465	2	106521.5
2,4'-DDE [2C]							0.5	98494	1	76268	2	65252.5
2,4'-DDT							0.5	93752	1	78212	2	73296
2,4'-DDT [2C]							0.5	52220	1	45318	2	40746
4,4'-DDD	50	126768.6	100	133640.9	200	137678.5						
4,4'-DDD [2C]	50	72078.12	100	75440.7	200	79076.3						
4,4'-DDE	50	165671	100	167990.1	200	171339.6						
4,4'-DDE [2C]	50	94736.14	100	97865.27	200	97773.4						
4,4'-DDT	50	104354	100	116222.9	200	121753.4						
4,4'-DDT [2C]	50	56406.48	100	65751.03	200	68980.5						
2,4,5,6-TCMX (Surr)	50	148320.7	100	150214.1	200	152609.7						
2,4,5,6-TCMX (Surr) [2C]	50	69791.8	100	73387.53	200	77603.7						
Decachlorobiphenyl (Surr)	50	114012.7	100	112454.9	200	110702.7						
Decachlorobiphenyl (Surr) [2C]	50	66002.28	100	68924.89	200	65089.45						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0F0805

Instrument: DUALECD3

Matrix:

Calibration Date: 06/08/20 16:27

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD	5	85393	10	85748	25	89917.68	50	82271.96	100	87038.74	200	90098.5
2,4'-DDD [2C]	5	52117.8	10	52455.8	25	52838.04	50	52237.12	100	53505.81	200	56043.9
2,4'-DDE	5	95902.6	10	101988.5	25	103511.3	50	95670.06	100	99688.22	200	102672.3
2,4'-DDE [2C]	5	62059	10	61215.4	25	64935.16	50	61604.96	100	63348.49	200	65296
2,4'-DDT	5	65660.8	10	71198.6	25	76857.84	50	75159.16	100	80171.36	200	79967.4
2,4'-DDT [2C]	5	37859.4	10	42105.9	25	45473.48	50	45285.04	100	49476	200	49603.66

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD3 Calibration: A0F0805
Lab File ID: ECD3-06062017.D
Sequence: 0F06006 Inject Date: 06/06/20
Lab Sample ID: 0F06006-ICV1 Inject Time: 20:04

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	49.1	-1.8	70 - 130
4,4'-DDD [2C]	50.0	51.4	2.8	70 - 130
4,4'-DDE	50.0	49.2	-1.6	70 - 130
4,4'-DDE [2C]	50.0	50.1	0.2	70 - 130
4,4'-DDT	50.0	53.2	6.3	70 - 130
4,4'-DDT [2C]	50.0	54.7	9.4	70 - 130
2,4,5,6-TCMX (Surr)	50.0	49.5	-0.9	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	52.5	5.0	70 - 130
Decachlorobiphenyl (Surr)	50.0	50.7	1.3	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	50.1	0.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD3 Calibration: A0F0805
Lab File ID: ECD3-06062028.D
Sequence: 0F06006 Inject Date: 06/06/20
Lab Sample ID: 0F06006-ICV2 Inject Time: 23:12

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	48.7	-2.7	70 - 130
2,4'-DDD [2C]	50.0	51.6	3.2	70 - 130
2,4'-DDE	50.0	51.4	2.7	70 - 130
2,4'-DDE [2C]	50.0	52.5	5.0	70 - 130
2,4'-DDT	50.0	57.0	14.0	70 - 130
2,4'-DDT [2C]	50.0	60.1	20.1	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD3

Calibration: A0F0805

Lab File ID: ECD3-06102004.D

Calibration Date: 06/08/20 16:27

Sequence: 0F10057

Injection Date: 06/10/20

Lab Sample ID: 0F10057-CCV1

Injection Time: 13:04

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	55.9		129646.2	144999.4	11.8	20
4,4'-DDD [2C]	Ave	50.0	68.8		72317	99538.52	37.6*	20
4,4'-DDE	Ave	50.0	51.3		163161.3	167559.4	2.7	20
4,4'-DDE [2C]	Ave	50.0	59.3		93241.72	110665.4	18.7	20
4,4'-DDT	XXX	50.0	45.9	-8.2				20
4,4'-DDT [2C]	XXX	50.0	56.7	13.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD3

Calibration: A0F0805

Lab File ID: ECD3-06102005.D

Calibration Date: 06/08/20 16:27

Sequence: 0F10057

Injection Date: 06/10/20

Lab Sample ID: 0F10057-CCV2

Injection Time: 13:22

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	49.7		91532.43	90967.76	-0.6	20
2,4'-DDD [2C]	XXX	50.0	62.9	25.8 *				20
2,4'-DDE	XXX	50.0	49.3	-1.4				20
2,4'-DDE [2C]	XXX	50.0	57.0	14.0				20
2,4'-DDT	Ave	50.0	45.5		77141.68	70256.16	-8.9	20
2,4'-DDT [2C]	Ave	50.0	52.0		45343.05	47187.86	4.1	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD3

Calibration: A0F0805

Lab File ID: ECD3-06102016.D

Calibration Date: 06/08/20 16:27

Sequence: 0F10057

Injection Date: 06/10/20

Lab Sample ID: 0F10057-CCV3

Injection Time: 16:34

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	106		129646.2	137629.6	6.2	20
4,4'-DDD [2C]	Ave	100	130		72317	94210.98	30.3*	20
4,4'-DDE	Ave	100	94.7		163161.3	154535.4	-5.3	20
4,4'-DDE [2C]	Ave	100	109		93241.72	101768.8	9.1	20
4,4'-DDT	XXX	100	88.3	-11.7				20
4,4'-DDT [2C]	XXX	100	100	0.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0F0805</u>
Lab File ID: <u>ECD3-06102017.D</u>	Calibration Date: <u>06/08/20 16:27</u>
Sequence: <u>0F10057</u>	Injection Date: <u>06/10/20</u>
Lab Sample ID: <u>0F10057-CCV4</u>	Injection Time: <u>16:51</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	Ave	100	93.8		91532.43	85815.19	-6.2	20
2,4'-DDD [2C]	XXX	100	116	15.9				20
2,4'-DDE	XXX	100	92.7	-7.3				20
2,4'-DDE [2C]	XXX	100	108	8.2				20
2,4'-DDT	Ave	100	92.9		77141.68	71699.25	-7.1	20
2,4'-DDT [2C]	Ave	100	111		45343.05	50393.69	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>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0F0805</u>
Lab File ID: <u>ECD3-06102027.D</u>	Calibration Date: <u>06/08/20 16:27</u>
Sequence: <u>0F10057</u>	Injection Date: <u>06/10/20</u>
Lab Sample ID: <u>0F10057-CCV5</u>	Injection Time: <u>19:56</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	50.0	50.8		129646.2	131677.7	1.6	20
4,4'-DDD [2C]	Ave	50.0	63.3		72317	91509.4	26.5*	20
4,4'-DDE	Ave	50.0	44.5		163161.3	145068.1	-11.1	20
4,4'-DDE [2C]	Ave	50.0	53.3		93241.72	99377.14	6.6	20
4,4'-DDT	XXX	50.0	36.5	-26.9 *				20
4,4'-DDT [2C]	XXX	50.0	46.6	-6.9				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>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0F0805</u>
Lab File ID: <u>ECD3-06102028.D</u>	Calibration Date: <u>06/08/20 16:27</u>
Sequence: <u>0F10057</u>	Injection Date: <u>06/10/20</u>
Lab Sample ID: <u>0F10057-CCV6</u>	Injection Time: <u>20:14</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	45.3		91532.43	82984.92	-9.3	20
2,4'-DDD [2C]	XXX	50.0	60.5	21.0 *				20
2,4'-DDE	XXX	50.0	44.7	-10.7				20
2,4'-DDE [2C]	XXX	50.0	54.5	9.0				20
2,4'-DDT	Ave	50.0	39.0		77141.68	60218.8	-21.9*	20
2,4'-DDT [2C]	Ave	50.0	47.3		45343.05	42853.4	-5.5	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0F06006</u>	Instrument: <u>DUALECD3</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0F0805</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0F06006-ICV1)			Lab File ID: ECD3-06062017.D		Analyzed: 06/06/20 20:04			
2,4,5,6-TCMX (Surr)	50.0	99	70 - 130	5.331	5.331222	-0.0002	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	105	70 - 130	5.861	5.862111	-0.0011	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	101	70 - 130	9.559	9.559667	-0.0007	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	70 - 130	10.428	10.42956	-0.0016	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0F10057</u>	Instrument: <u>DUALECD3</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0F0805</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F10057-CCV1) Lab File ID: ECD3-06102004.D Analyzed: 06/10/20 13:04								
2,4,5,6-TCMX (Surr)	50.0	100	80 - 120	5.326	5.331222	-0.0052	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	137	80 - 120	5.846	5.862111	-0.0161	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	108	80 - 120	9.554	9.559667	-0.0057	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	109	80 - 120	10.411	10.42956	-0.0186	+/-1.0	
Calibration Blank (0F10057-CCB1) Lab File ID: ECD3-06102006.D Analyzed: 06/10/20 13:39								
2,4,5,6-TCMX (Surr)	100	96	42 - 129	5.327	5.331222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr)	100	102	55 - 130	9.555	9.559667	-0.0047	+/-1.0	
Blank (0060273-BLK1) Lab File ID: ECD3-06102007.D Analyzed: 06/10/20 13:56								
2,4,5,6-TCMX (Surr)	45.5	76	42 - 129	5.327	5.331222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr)	45.5	96	55 - 130	9.553	9.559667	-0.0067	+/-1.0	
LCS (0060273-BS1) Lab File ID: ECD3-06102008.D Analyzed: 06/10/20 14:13								
2,4,5,6-TCMX (Surr)	50.0	75	42 - 129	5.327	5.331222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	91	55 - 130	9.553	9.559667	-0.0067	+/-1.0	
PDI-175SC-A-02-03-200522 (A0E0668-04RE1) Lab File ID: ECD3-06102009.D Analyzed: 06/10/20 14:30								
2,4,5,6-TCMX (Surr)	54.9	43	42 - 129	5.327	5.331222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr)	54.9	92	55 - 130	9.553	9.559667	-0.0067	+/-1.0	
Matrix Spike (0060273-MS1) Lab File ID: ECD3-06102010.D Analyzed: 06/10/20 14:47								
2,4,5,6-TCMX (Surr)	54.7	69	42 - 129	5.327	5.331222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr)	54.7	95	55 - 130	9.553	9.559667	-0.0067	+/-1.0	
Matrix Spike Dup (0060273-MSD1) Lab File ID: ECD3-06102011.D Analyzed: 06/10/20 15:05								
2,4,5,6-TCMX (Surr)	54.7	73	42 - 129	5.327	5.331222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr)	54.7	100	55 - 130	9.553	9.559667	-0.0067	+/-1.0	
PDI-175SC-A-03-04-200522 (A0E0668-05RE1) Lab File ID: ECD3-06102012.D Analyzed: 06/10/20 15:22								
2,4,5,6-TCMX (Surr)	54.0	53	42 - 129	5.327	5.331222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr)	54.0	93	55 - 130	9.553	9.559667	-0.0067	+/-1.0	
Calibration Check (0F10057-CCV3) Lab File ID: ECD3-06102016.D Analyzed: 06/10/20 16:34								
2,4,5,6-TCMX (Surr)	100	96	80 - 120	5.326	5.331222	-0.0052	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	116	80 - 120	5.848	5.862111	-0.0141	+/-1.0	
Decachlorobiphenyl (Surr)	100	106	80 - 120	9.555	9.559667	-0.0047	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	106	80 - 120	10.411	10.42956	-0.0186	+/-1.0	
Calibration Blank (0F10057-CCB2) Lab File ID: ECD3-06102018.D Analyzed: 06/10/20 17:08								
2,4,5,6-TCMX (Surr)	100	93	42 - 129	5.328	5.331222	-0.0032	+/-1.0	
Decachlorobiphenyl (Surr)	100	99	55 - 130	9.556	9.559667	-0.0037	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0F10057
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD3
 Calibration: A0F0805

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
PDI-1175SC-A-01-02-200522 (A0E0668-01RE1)			Lab File ID: ECD3-06102019.D Analyzed: 06/10/20 17:26					
2,4,5,6-TCMX (Surr)	52.9	81	42 - 129	5.326	5.331222	-0.0052	+/-1.0	
Decachlorobiphenyl (Surr)	52.9	104	55 - 130	9.554	9.559667	-0.0057	+/-1.0	
Duplicate (0060273-DUP1)			Lab File ID: ECD3-06102021.D Analyzed: 06/10/20 18:03					
2,4,5,6-TCMX (Surr)	52.7	84	42 - 129	5.325	5.331222	-0.0062	+/-1.0	
Decachlorobiphenyl (Surr)	52.7	110	55 - 130	9.551	9.559667	-0.0087	+/-1.0	
PDI-175SC-A-00-01-200522 (A0E0668-02RE1)			Lab File ID: ECD3-06102023.D Analyzed: 06/10/20 18:41					
2,4,5,6-TCMX (Surr)	53.7	70	42 - 129	5.324	5.331222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr)	53.7	95	55 - 130	9.55	9.559667	-0.0097	+/-1.0	
PDI-175SC-A-01-02-200522 (A0E0668-03RE1)			Lab File ID: ECD3-06102025.D Analyzed: 06/10/20 19:19					
2,4,5,6-TCMX (Surr)	54.0	81	42 - 129	5.324	5.331222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr)	54.0	117	55 - 130	9.55	9.559667	-0.0097	+/-1.0	
Calibration Check (0F10057-CCV5)			Lab File ID: ECD3-06102027.D Analyzed: 06/10/20 19:56					
2,4,5,6-TCMX (Surr)	50.0	96	80 - 120	5.324	5.331222	-0.0072	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	118	80 - 120	5.846	5.862111	-0.0161	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	99	80 - 120	9.553	9.559667	-0.0067	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	107	80 - 120	10.409	10.42956	-0.0206	+/-1.0	
Calibration Blank (0F10057-CCB3)			Lab File ID: ECD3-06102029.D Analyzed: 06/10/20 20:31					
2,4,5,6-TCMX (Surr)	100	90	42 - 129	5.326	5.331222	-0.0052	+/-1.0	
Decachlorobiphenyl (Surr)	100	98	55 - 130	9.555	9.559667	-0.0047	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-1175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	14.00	06/10/20 17:26	7.24	40.00	
PDI-175SC-A-00-01-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	14.00	06/10/20 18:41	7.29	40.00	
PDI-175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	14.00	06/10/20 19:19	7.31	40.00	
PDI-175SC-A-02-03-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	14.00	06/10/20 14:30	7.11	40.00	
PDI-175SC-A-03-04-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	14.00	06/10/20 15:22	7.15	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GCMS

METHOD: EPA 8270D

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-1175SC-A-01-02-200522</u>	<u>A0E0668-01</u>	<u>SE</u>
<u>PDI-175SC-A-00-01-200522</u>	<u>A0E0668-02</u>	<u>SE</u>
<u>PDI-175SC-A-01-02-200522</u>	<u>A0E0668-03</u>	<u>SE</u>
<u>PDI-175SC-A-02-03-200522</u>	<u>A0E0668-04</u>	<u>SE</u>
<u>PDI-175SC-A-03-04-200522</u>	<u>A0E0668-05</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: _____

7/7/2020 10:44AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

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

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

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-1175SC-A-01-02-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-01</u>	File ID: <u>N06042010.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/03/20 07:17</u>	Analyzed: <u>06/04/20 12:55</u>
Solids: <u>90.36</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.08 g / 5 mL</u>
Batch: <u>0060104</u>	Sequence: <u>0F04032</u>	Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	19100	D
208-96-8	Acenaphthylene	1000	6590	D
120-12-7	Anthracene	1000	17500	D
56-55-3	Benz(a)anthracene	1000	20500	D
50-32-8	Benzo(a)pyrene	1000	30000	D
205-99-2	Benzo(b)fluoranthene	1000	24600	D
207-08-9	Benzo(k)fluoranthene	1000	9050	D
191-24-2	Benzo(g,h,i)perylene	1000	21400	D
218-01-9	Chrysene	1000	26900	D
53-70-3	Dibenz(a,h)anthracene	1000	1990	JD
206-44-0	Fluoranthene	1000	74400	D
86-73-7	Fluorene	1000	10300	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	18500	D
91-57-6	2-Methylnaphthalene	1000	1370	U
91-20-3	Naphthalene	1000	1880	JD
85-01-8	Phenanthrene	1000	52600	D
129-00-0	Pyrene	1000	97900	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	54.9	65.9	120	44 - 120	D
p-Terphenyl-d14 (Surr)	54.9	137	250	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	217011	7.807	214086	7.802	
Acenaphthene-d10 (ISTD)	134893	9.562	116154	9.562	
Phenanthrene-d10 (ISTD)	231584	11.072	201884	11.071	
Chrysene-d12 (ISTD)	186542	14.784	184579	14.784	
Perylene-d12 (ISTD)	179028	18.252	172490	18.258	
Dibenz(a,h)anthracene-d14 (ISTD)	155049	20.642	140134	20.642	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-175SC-A-00-01-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-02</u>	File ID: <u>N06032010.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/03/20 07:17</u>	Analyzed: <u>06/03/20 12:59</u>
Solids: <u>92.17</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.05 g / 5 mL</u>
Batch: <u>0060104</u>	Sequence: <u>0F03037</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	1910	JD
208-96-8	Acenaphthylene	1000	2190	JD
120-12-7	Anthracene	1000	2650	JD
56-55-3	Benz(a)anthracene	1000	9920	D
50-32-8	Benzo(a)pyrene	1000	12700	D
205-99-2	Benzo(b)fluoranthene	1000	10100	D
207-08-9	Benzo(k)fluoranthene	1000	3640	D
191-24-2	Benzo(g,h,i)perylene	1000	8480	D
218-01-9	Chrysene	1000	12000	D
53-70-3	Dibenz(a,h)anthracene	1000	1350	U
206-44-0	Fluoranthene	1000	30700	D
86-73-7	Fluorene	1000	1350	U
193-39-5	Indeno(1,2,3-cd)pyrene	1000	7590	D
91-57-6	2-Methylnaphthalene	1000	1350	U
91-20-3	Naphthalene	1000	1350	U
85-01-8	Phenanthrene	1000	3750	D
129-00-0	Pyrene	1000	36200	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	54.0	59.4	110	44 - 120	D
p-Terphenyl-d14 (Surr)	54.0	103	190	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	225940	7.807	244983	7.802	
Acenaphthene-d10 (ISTD)	114800	9.562	145311	9.562	
Phenanthrene-d10 (ISTD)	176774	11.071	263211	11.071	
Chrysene-d12 (ISTD)	169773	14.784	230353	14.784	
Perylene-d12 (ISTD)	165116	18.252	220749	18.252	
Dibenz(a,h)anthracene-d14 (ISTD)	140370	20.642	193565	20.642	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-175SC-A-01-02-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-03</u>	File ID: <u>N06042030.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/04/20 08:24</u>	Analyzed: <u>06/04/20 23:38</u>
Solids: <u>90.44</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.21 g / 5 mL</u>
Batch: <u>0060165</u>	Sequence: <u>0F04059</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	24300	D
208-96-8	Acenaphthylene	1000	7670	D
120-12-7	Anthracene	1000	23800	D
56-55-3	Benz(a)anthracene	1000	22700	D
50-32-8	Benzo(a)pyrene	1000	33300	D
205-99-2	Benzo(b)fluoranthene	1000	27400	D
207-08-9	Benzo(k)fluoranthene	1000	9150	D
191-24-2	Benzo(g,h,i)perylene	1000	24900	D
218-01-9	Chrysene	1000	30600	D
53-70-3	Dibenz(a,h)anthracene	1000	2290	JD
206-44-0	Fluoranthene	1000	87500	D
86-73-7	Fluorene	1000	14200	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	21300	D
91-57-6	2-Methylnaphthalene	1000	1350	U
91-20-3	Naphthalene	1000	2270	JD
85-01-8	Phenanthrene	1000	76600	D
129-00-0	Pyrene	1000	107000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	54.2	70.4	130	44 - 120	D
p-Terphenyl-d14 (Surr)	54.2	125	230	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	256556	7.807	218899	7.807	
Acenaphthene-d10 (ISTD)	159738	9.562	134232	9.562	
Phenanthrene-d10 (ISTD)	293316	11.071	230627	11.071	
Chrysene-d12 (ISTD)	249473	14.784	179734	14.784	
Perylene-d12 (ISTD)	230914	18.258	167121	18.252	
Dibenz(a,h)anthracene-d14 (ISTD)	186495	20.642	143028	20.642	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-175SC-A-02-03-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-04</u>	File ID: <u>N06042026.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/04/20 08:24</u>	Analyzed: <u>06/04/20 21:33</u>
Solids: <u>87.11</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.35 g / 5 mL</u>
Batch: <u>0060165</u>	Sequence: <u>0F04059</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.89	J
208-96-8	Acenaphthylene	1	1.39	U
120-12-7	Anthracene	1	1.39	U
56-55-3	Benz(a)anthracene	1	1.39	U
50-32-8	Benzo(a)pyrene	1	1.39	U
205-99-2	Benzo(b)fluoranthene	1	1.39	U
207-08-9	Benzo(k)fluoranthene	1	1.39	U
191-24-2	Benzo(g,h,i)perylene	1	1.39	U
218-01-9	Chrysene	1	1.81	J
53-70-3	Dibenz(a,h)anthracene	1	1.39	U
206-44-0	Fluoranthene	1	3.34	
86-73-7	Fluorene	1	1.39	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.39	U
91-57-6	2-Methylnaphthalene	1	1.39	U
91-20-3	Naphthalene	1	2.33	J
85-01-8	Phenanthrene	1	1.50	J
129-00-0	Pyrene	1	22.3	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	55.5	33.9	61	44 - 120	
p-Terphenyl-d14 (Surr)	55.5	40.8	74	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	248126	7.807	218899	7.807	
Acenaphthene-d10 (ISTD)	149274	9.562	134232	9.562	
Phenanthrene-d10 (ISTD)	272877	11.071	230627	11.071	
Chrysene-d12 (ISTD)	232119	14.784	179734	14.784	
Perylene-d12 (ISTD)	217226	18.258	167121	18.252	
Dibenz(a,h)anthracene-d14 (ISTD)	183336	20.642	143028	20.642	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-175SC-A-03-04-200522

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0E0668-05</u>	File ID: <u>N06042029.D</u>
Sampled: <u>05/22/20 09:25</u>	Prepared: <u>06/04/20 08:24</u>	Analyzed: <u>06/04/20 23:07</u>
Solids: <u>87.02</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.43 g / 5 mL</u>
Batch: <u>0060165</u>	Sequence: <u>0F04059</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	8.46	
208-96-8	Acenaphthylene	1	1.38	U
120-12-7	Anthracene	1	1.38	U
56-55-3	Benz(a)anthracene	1	1.38	U
50-32-8	Benzo(a)pyrene	1	1.38	U
205-99-2	Benzo(b)fluoranthene	1	1.38	U
207-08-9	Benzo(k)fluoranthene	1	1.38	U
191-24-2	Benzo(g,h,i)perylene	1	1.38	U
218-01-9	Chrysene	1	1.38	U
53-70-3	Dibenz(a,h)anthracene	1	1.38	U
206-44-0	Fluoranthene	1	1.88	J
86-73-7	Fluorene	1	2.77	
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.38	U
91-57-6	2-Methylnaphthalene	1	1.38	U
91-20-3	Naphthalene	1	2.06	J
85-01-8	Phenanthrene	1	4.93	
129-00-0	Pyrene	1	22.1	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	55.1	36.1	65	44 - 120	
p-Terphenyl-d14 (Surr)	55.1	45.0	82	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	241530	7.807	218899	7.807	
Acenaphthene-d10 (ISTD)	145912	9.562	134232	9.562	
Phenanthrene-d10 (ISTD)	256700	11.071	230627	11.071	
Chrysene-d12 (ISTD)	198306	14.784	179734	14.784	
Perylene-d12 (ISTD)	177924	18.258	167121	18.252	
Dibenz(a,h)anthracene-d14 (ISTD)	151216	20.642	143028	20.642	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060104

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060104-BLK1	N06032006.D	06/03/20 07:17	
LCS	0060104-BS1	N06032007.D	06/03/20 07:17	
PDI-175SC-A-00-01-200522 (MS)	0060104-MS1	N06032011.D	06/03/20 07:17	
PDI-1175SC-A-01-02-200522	A0E0668-01	N06042010.D	06/03/20 07:17	
PDI-175SC-A-00-01-200522	A0E0668-02	N06032010.D	06/03/20 07:17	

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.

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060165

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060165-BLK1	N06042011.D	06/04/20 08:24	
LCS	0060165-BS1	N06042012.D	06/04/20 08:24	
PDI-175SC-A-02-03-200522 (MS)	0060165-MS1	N06042027.D	06/04/20 08:24	
PDI-175SC-A-02-03-200522 (MSD)	0060165-MSD1	N06042028.D	06/04/20 08:24	
PDI-175SC-A-01-02-200522	A0E0668-03	N06042030.D	06/04/20 08:24	
PDI-175SC-A-02-03-200522	A0E0668-04	N06042026.D	06/04/20 08:24	
PDI-175SC-A-03-04-200522	A0E0668-05	N06042029.D	06/04/20 08:24	

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

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

METHOD BLANK DATA SHEET

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Matrix: <u>Sediment</u>	Laboratory ID: <u>0060104-BLK1</u>
Prepared: <u>06/03/20 07:17</u>	Preparation: <u>EPA 3546</u>
Analyzed: <u>06/03/20 10:50</u>	Instrument: <u>SV-GCMS14</u>
Batch: <u>0060104</u>	Sequence: <u>0F03037</u>
	File ID: <u>N06032006.D</u>
	Initial/Final: <u>11 g / 5 mL</u>
	Calibration: <u>A0D0804</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	45.5	38.3	84	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	45.6	100	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	218137	7.807	244983	7.802	
Acenaphthene-d10 (ISTD)	115018	9.562	145311	9.562	
Phenanthrene-d10 (ISTD)	167256	11.071	263211	11.071	
Chrysene-d12 (ISTD)	151132	14.784	230353	14.784	
Perylene-d12 (ISTD)	142850	18.252	220749	18.252	
Dibenz(a,h)anthracene-d14 (ISTD)	121938	20.642	193565	20.642	

METHOD BLANK DATA SHEET

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Matrix: <u>Sediment</u>	Laboratory ID: <u>0060165-BLK1</u>
Prepared: <u>06/04/20 08:24</u>	Preparation: <u>EPA 3546</u>
Analyzed: <u>06/04/20 13:27</u>	Instrument: <u>SV-GCMS14</u>
Batch: <u>0060165</u>	Sequence: <u>0F04032</u>
	File ID: <u>N06042011.D</u>
	Initial/Final: <u>11 g / 5 mL</u>
	Calibration: <u>A0D0804</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	45.5	36.1	79	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	40.0	88	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	216755	7.802	214086	7.802	
Acenaphthene-d10 (ISTD)	117301	9.562	116154	9.562	
Phenanthrene-d10 (ISTD)	188674	11.071	201884	11.071	
Chrysene-d12 (ISTD)	214953	14.784	184579	14.784	
Perylene-d12 (ISTD)	210709	18.258	172490	18.258	
Dibenz(a,h)anthracene-d14 (ISTD)	182949	20.642	140134	20.642	

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060104

Laboratory ID: 0060104-BS1

Preparation: EPA 3546

Initial/Final: 10 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	20.0	19.4	97	40 - 123
Acenaphthylene	20.0	20.1	101	32 - 132
Anthracene	20.0	21.1	106	47 - 123
Benz(a)anthracene	20.0	20.9	105	49 - 126
Benzo(a)pyrene	20.0	23.0	115	45 - 129
Benzo(b)fluoranthene	20.0	21.3	107	45 - 132
Benzo(k)fluoranthene	20.0	21.0	105	47 - 132
Benzo(g,h,i)perylene	20.0	19.9	100	43 - 134
Chrysene	20.0	20.3	101	50 - 124
Dibenz(a,h)anthracene	20.0	20.1	101	45 - 134
Fluoranthene	20.0	21.2	106	50 - 127
Fluorene	20.0	19.9	99	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	20.5	103	45 - 133
2-Methylnaphthalene	20.0	20.6	103	38 - 122
Naphthalene	20.0	19.3	97	35 - 123
Phenanthrene	20.0	19.4	97	50 - 121
Pyrene	20.0	23.7	119	47 - 127

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060165

Laboratory ID: 0060165-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	17.6	88	40 - 123
Acenaphthylene	20.0	18.1	90	32 - 132
Anthracene	20.0	17.7	88	47 - 123
Benz(a)anthracene	20.0	17.7	88	49 - 126
Benzo(a)pyrene	20.0	19.2	96	45 - 129
Benzo(b)fluoranthene	20.0	18.3	91	45 - 132
Benzo(k)fluoranthene	20.0	17.4	87	47 - 132
Benzo(g,h,i)perylene	20.0	18.0	90	43 - 134
Chrysene	20.0	17.6	88	50 - 124
Dibenz(a,h)anthracene	20.0	17.7	88	45 - 134
Fluoranthene	20.0	18.2	91	50 - 127
Fluorene	20.0	17.1	86	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	17.9	89	45 - 133
2-Methylnaphthalene	20.0	17.6	88	38 - 122
Naphthalene	20.0	17.4	87	35 - 123
Phenanthrene	20.0	17.7	88	50 - 121
Pyrene	20.0	19.4	97	47 - 127

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-175SC-A-00-01-200522

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060104

Laboratory ID: 0060104-MS1

Preparation: EPA 3546

Initial/Final: 10.04 g / 5 mL

Source Sample Name: PDI-175SC-A-00-01-200522

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	21.6	1910	1980	334 *	40 - 123
Acenaphthylene	21.6	2190	1950	-1140 *	32 - 132
Anthracene	21.6	2650	2620	-138 *	47 - 123
Benz(a)anthracene	21.6	9920	10300	1770 *	49 - 126
Benzo(a)pyrene	21.6	12700	13200	1980 *	45 - 129
Benzo(b)fluoranthene	21.6	10100	10600	1970 *	45 - 132
Benzo(k)fluoranthene	21.6	3640	3790	692 *	47 - 132
Benzo(g,h,i)perylene	21.6	8480	8540	289 *	43 - 134
Chrysene	21.6	12000	12100	130 *	50 - 124
Dibenz(a,h)anthracene	21.6	ND	ND	*	45 - 134
Fluoranthene	21.6	30700	31200	2270 *	50 - 127
Fluorene	21.6	ND	ND	*	43 - 125
Indeno(1,2,3-cd)pyrene	21.6	7590	7670	385 *	45 - 133
2-Methylnaphthalene	21.6	ND	ND	*	38 - 122
Naphthalene	21.6	ND	ND	*	35 - 123
Phenanthrene	21.6	3750	3120	-2910 *	50 - 121
Pyrene	21.6	36200	41200	23100 *	47 - 127

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-175SC-A-02-03-200522

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060165

Laboratory ID: 0060165-MS1

Preparation: EPA 3546

Initial/Final: 10.32 g / 5 mL

Source Sample Name: PDI-175SC-A-02-03-200522

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	22.2	1.89	19.7	80	40 - 123
Acenaphthylene	22.2	ND	18.9	85	32 - 132
Anthracene	22.2	ND	20.1	90	47 - 123
Benz(a)anthracene	22.2	ND	19.7	89	49 - 126
Benzo(a)pyrene	22.2	ND	22.1	99	45 - 129
Benzo(b)fluoranthene	22.2	ND	20.3	91	45 - 132
Benzo(k)fluoranthene	22.2	ND	18.7	84	47 - 132
Benzo(g,h,i)perylene	22.2	ND	19.3	87	43 - 134
Chrysene	22.2	1.81	19.9	81	50 - 124
Dibenz(a,h)anthracene	22.2	ND	17.2	77	45 - 134
Fluoranthene	22.2	3.34	28.2	112	50 - 127
Fluorene	22.2	ND	18.6	84	43 - 125
Indeno(1,2,3-cd)pyrene	22.2	ND	19.0	85	45 - 133
2-Methylnaphthalene	22.2	ND	18.2	82	38 - 122
Naphthalene	22.2	2.33	17.5	68	35 - 123
Phenanthrene	22.2	1.50	19.2	80	50 - 121
Pyrene	22.2	22.3	42.8	92	47 - 127

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270D

PDI-175SC-A-02-03-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0060165

Laboratory ID: 0060165-MSD1

Preparation: EPA 3546

Initial/Final: 10.34 g / 5 mL

Source Sample Name: PDI-175SC-A-02-03-200522

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Acenaphthene	22.2	16.3	65	19	30	40 - 123
Acenaphthylene	22.2	16.6	75	13	30	32 - 132
Anthracene	22.2	16.4	74	20	30	47 - 123
Benzo(a)anthracene	22.2	16.4	74	19	30	49 - 126
Benzo(a)pyrene	22.2	17.8	80	21	30	45 - 129
Benzo(b)fluoranthene	22.2	17.2	77	17	30	45 - 132
Benzo(k)fluoranthene	22.2	15.7	71	18	30	47 - 132
Benzo(g,h,i)perylene	22.2	16.4	74	16	30	43 - 134
Chrysene	22.2	17.6	71	13	30	50 - 124
Dibenz(a,h)anthracene	22.2	15.2	68	12	30	45 - 134
Fluoranthene	22.2	20.6	78	31 *	30	50 - 127
Fluorene	22.2	15.7	71	17	30	43 - 125
Indeno(1,2,3-cd)pyrene	22.2	16.2	73	16	30	45 - 133
2-Methylnaphthalene	22.2	15.6	70	16	30	38 - 122
Naphthalene	22.2	15.2	58	14	30	35 - 123
Phenanthrene	22.2	15.1	61	24	30	50 - 121
Pyrene	22.2	43.7	97	2	30	47 - 127

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0D07056

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

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

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F03037

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0F03037-TUN1	N06032001.D	06/03/20 08:14
Calibration Check	0F03037-CCV1	N06032002.D	06/03/20 08:42
Calibration Blank	0F03037-CCB1	N06032003.D	06/03/20 09:14
Blank	0060104-BLK1	N06032006.D	06/03/20 10:50
LCS	0060104-BS1	N06032007.D	06/03/20 11:22
PDI-175SC-A-00-01-200522	A0E0668-02	N06032010.D	06/03/20 12:59
PDI-175SC-A-00-01-200522 (MS)	0060104-MS1	N06032011.D	06/03/20 13:31

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F04032

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0F04032-TUN1	N06042001.D	06/04/20 08:10
Calibration Check	0F04032-CCV1	N06042002.D	06/04/20 08:37
Calibration Blank	0F04032-CCB1	N06042003.D	06/04/20 09:10
PDI-1175SC-A-01-02-200522	A0E0668-01	N06042010.D	06/04/20 12:55
Blank	0060165-BLK1	N06042011.D	06/04/20 13:27
LCS	0060165-BS1	N06042012.D	06/04/20 14:00

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F04059

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0F04059-TUN1	N06042015.D	06/04/20 15:43
Calibration Check	0F04059-CCV1	N06042016.D	06/04/20 16:10
Calibration Blank	0F04059-CCB1	N06042017.D	06/04/20 16:42
PDI-175SC-A-02-03-200522	A0E0668-04	N06042026.D	06/04/20 21:33
PDI-175SC-A-02-03-200522 (MS)	0060165-MS1	N06042027.D	06/04/20 22:05
PDI-175SC-A-02-03-200522 (MSD)	0060165-MSD1	N06042028.D	06/04/20 22:36
PDI-175SC-A-03-04-200522	A0E0668-05	N06042029.D	06/04/20 23:07
PDI-175SC-A-01-02-200522	A0E0668-03	N06042030.D	06/04/20 23:38

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

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Lab File ID: N04072011.D

Injection Date: 04/07/20

Instrument ID: SV-GCMS14

Injection Time: 16:40

Sequence: 0D07056

Lab Sample ID: 0D07056-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Lab File ID: N06032001.D

Injection Date: 06/03/20

Instrument ID: SV-GCMS14

Injection Time: 08:14

Sequence: 0F03037

Lab Sample ID: 0F03037-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	0.49	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.83	PASS
m/z 365	1 - 100% of m/z 198	4.51	PASS
m/z 441	Less than 150% of m/z 443	77.39	PASS
m/z 442	0.1 - 200% of m/z 198	154.12	PASS
m/z 443	15 - 24% of m/z 442	19.53	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Lab File ID: N06042001.D

Injection Date: 06/04/20

Instrument ID: SV-GCMS14

Injection Time: 08:10

Sequence: 0F04032

Lab Sample ID: 0F04032-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.74	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.49	PASS
m/z 197	Less than 2% of m/z 198	0.16	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.83	PASS
m/z 365	1 - 100% of m/z 198	4.49	PASS
m/z 441	Less than 150% of m/z 443	78.32	PASS
m/z 442	0.1 - 200% of m/z 198	146.30	PASS
m/z 443	15 - 24% of m/z 442	19.56	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Lab File ID: N06042015.D

Injection Date: 06/04/20

Instrument ID: SV-GCMS14

Injection Time: 15:43

Sequence: 0F04059

Lab Sample ID: 0F04059-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.64	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.49	PASS
m/z 197	Less than 2% of m/z 198	0.18	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.76	PASS
m/z 365	1 - 100% of m/z 198	4.59	PASS
m/z 441	Less than 150% of m/z 443	77.80	PASS
m/z 442	0.1 - 200% of m/z 198	151.88	PASS
m/z 443	15 - 24% of m/z 442	19.54	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0804

Date: 04/08/20 10:34

Instrument: SV-GCMS14

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

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

INITIAL CALIBRATION DATA

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0804

Instrument: SV-GCMS14

Calibration Date: 04/08/20 10:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	1	1.392981	2	1.401163	5	1.423281	10	1.398985	20	1.383199	50	1.371966
Acenaphthylene	1	1.647526	2	1.721671	5	1.75393	10	1.785334	20	1.855293	50	1.929361
Anthracene	1	0.9673167	2	0.8478943	5	0.8794569	10	0.9069728	20	0.973033	50	0.9519075
Benz(a)anthracene	1	1.227169	2	1.102612	5	0.9789287	10	0.9766066	20	0.9639771	50	0.9916509
Benzo(a)pyrene	1	0.6121478	2	0.6357193	5	0.6599396	10	0.7509002	20	0.7784889	50	0.8797828
Benzo(b)fluoranthene	1	1.035048	2	0.9591165	5	0.9490622	10	0.9907528	20	1.00024	50	0.9982454
Benzo(k)fluoranthene	1	0.978485	2	0.9062718	5	0.9110777	10	1.001783	20	1.018161	50	1.032891
Benzo(b+k)fluoranthene(s)	2	1.006766	4	1.004525	10	1.019857	20	1.074332	40	1.091367	100	1.072333
Benzo(g,h,i)perylene	1	0.9646682	2	0.9675185	5	1.05158	10	1.080887	20	1.165723	50	1.189328
Chrysene	1	1.104808	2	1.160223	5	1.081351	10	1.04108	20	1.07212	50	1.056937
Dibenz(a,h)anthracene	1	1.031261	2	0.9767061	5	1.093428	10	1.046585	20	1.083822	50	1.093796
Fluoranthene	1	1.028441	2	1.051523	5	1.086274	10	1.116826	20	1.098095	50	1.145195
Fluorene	1	1.408347	2	1.266542	5	1.261454	10	1.296428	20	1.346312	50	1.288125
Indeno(1,2,3-cd)pyrene	1	1.02815	2	1.006036	5	1.029843	10	1.053719	20	1.083622	50	1.07055
1-Methylnaphthalene	1	0.7224138	2	0.710285	5	0.7034837	10	0.7080097	20	0.7466831	50	0.7333436
2-Methylnaphthalene	1	0.6825082	2	0.6996163	5	0.713529	10	0.7036183	20	0.7341421	50	0.736935
Naphthalene	1	1.189761	2	1.14893	5	1.132527	10	1.103493	20	1.101812	50	1.060371
Phenanthrene	1	1.275149	2	1.192652	5	1.218825	10	1.159445	20	1.151735	50	1.133385
Pyrene	1	1.297026	2	1.266643	5	1.186004	10	1.29014	20	1.434048	50	1.239804
Carbazole	1	0.7677409	2	0.7410394	5	0.8064844	10	0.8287495	20	0.8289322	50	0.8573341
Dibenzofuran	1	1.583388	2	1.611761	5	1.65507	10	1.699478	20	1.715996	50	1.649865
2-Fluorobiphenyl (Surr)	1	1.452442	2	1.545742	5	1.669823	10	1.604526	20	1.567368	50	1.544944
p-Terphenyl-d14 (Surr)	1	0.9944604	2	0.9185764	5	0.9416842	10	0.9843256	20	1.019771	50	0.965637

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D0804

Instrument: SV-GCMS14

Matrix:

Calibration Date: 04/08/20 10:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	100	1.351988	200	1.336444	400	1.332166	600	1.286508				
Acenaphthylene	100	1.947951	200	1.990471	400	2.036944	600	1.978354				
Anthracene	100	0.96925	200	0.9980842	400	1.017185	600	0.915697				
Benz(a)anthracene	100	0.975921	200	1.027038	400	1.066469	600	1.059977				
Benzo(a)pyrene	100	0.9163841	200	0.9736837	400	0.9996673	600	0.9747747				
Benzo(b)fluoranthene	100	1.018458	200	1.085782	400	1.137665	600	1.163387				
Benzo(k)fluoranthene	100	1.089058	200	1.12059	400	1.138559	600	1.108832				
Benzo(b+k)fluoranthene(s)	200	1.103482	400	1.146313	800	1.179465	1200	1.17217				
Benzo(g,h,i)perylene	100	1.22438	200	1.272407	400	1.334467	600	1.401586				
Chrysene	100	1.033546	200	1.048368	400	1.037786	600	1.029432				
Dibenz(a,h)anthracene	100	1.096948	200	1.128297	400	1.200371	600	1.202437				
Fluoranthene	100	1.158201	200	1.224466	400	1.25754	600	1.177714				
Fluorene	100	1.300488	200	1.324758	400	1.367178	600	1.292641				
Indeno(1,2,3-cd)pyrene	100	1.071319	200	1.123916	400	1.168081	600	1.227521				
1-Methylnaphthalene	100	0.7085991	200	0.7361777	400	0.7628629	600	0.729539				
2-Methylnaphthalene	100	0.7225839	200	0.7660617	400	0.7871301	600	0.7671624				
Naphthalene	100	1.02942	200	1.04828	400	1.048821	600	1.02838				
Phenanthrene	100	1.083727	200	1.116584	400	1.089235	600	1.089727				
Pyrene	100	1.244536	200	1.322556	400	1.336945	600	1.352787				
Carbazole	100	0.8602247	200	0.872182	400	0.8554395	600	0.7202373				
Dibenzofuran	100	1.658052	200	1.65795	400	1.694863	600	1.629906				
2-Fluorobiphenyl (Surr)	100	1.53277	200	1.524237	400	1.547009	600	1.493007				
p-Terphenyl-d14 (Surr)	100	0.9400054	200	0.9709509	400	0.9682824	600	0.9585442				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u>
Instrument ID: <u>SV-GCMS14</u>	Calibration: <u>A0D0804</u>
Lab File ID: <u>N04072024.D</u>	
Sequence: <u>0D07056</u>	Inject Date: <u>04/07/20</u>
Lab Sample ID: <u>0D07056-ICV1</u>	Inject Time: <u>23:44</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Acenaphthene	50.0	50.2	0.4	70 - 130
Acenaphthylene	50.0	50.5	0.9	70 - 130
Anthracene	50.0	49.6	-0.9	70 - 130
Benz(a)anthracene	50.0	46.7	-6.7	70 - 130
Benzo(a)pyrene	50.0	49.6	-0.8	70 - 130
Benzo(b)fluoranthene	50.0	46.6	-6.8	70 - 130
Benzo(k)fluoranthene	50.0	49.5	-1.1	70 - 130
Benzo(g,h,i)perylene	50.0	52.0	4.0	70 - 130
Chrysene	50.0	51.0	2.1	70 - 130
Dibenz(a,h)anthracene	50.0	48.6	-2.9	70 - 130
Fluoranthene	50.0	48.6	-2.7	70 - 130
Fluorene	50.0	51.3	2.7	70 - 130
Indeno(1,2,3-cd)pyrene	50.0	47.8	-4.5	70 - 130
1-Methylnaphthalene	50.0	49.7	-0.5	70 - 130
2-Methylnaphthalene	50.0	49.2	-1.6	70 - 130
Naphthalene	50.0	46.5	-7.0	70 - 130
Phenanthrene	50.0	49.3	-1.4	70 - 130
Pyrene	50.0	56.5	13.0	70 - 130
2-Fluorobiphenyl (Surr)	50.0	51.2	2.4	70 - 130
p-Terphenyl-d14 (Surr)	50.0	51.7	3.5	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N06032002.D

Calibration Date: 04/08/20 10:34

Sequence: 0F03037

Injection Date: 06/03/20

Lab Sample ID: 0F03037-CCV1

Injection Time: 08:42

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	50.2		1.367868	1.371844	0.3	20
Acenaphthylene	Ave	50.0	53.2		1.864683	1.98442	6.4	20
Anthracene	Ave	50.0	53.7		0.9426797	1.012131	7.4	20
Benz(a)anthracene	Ave	50.0	50.8		1.037035	1.052489	1.5	20
Benzo(a)pyrene	XXX	50.0	57.1	14.2				20
Benzo(b)fluoranthene	Ave	50.0	52.0		1.033776	1.075085	4.0	20
Benzo(k)fluoranthene	Ave	50.0	51.8		1.030571	1.067103	3.5	20
Benzo(g,h,i)perylene	Ave	50.0	48.4		1.165254	1.128644	-3.1	20
Chrysene	Ave	50.0	47.7		1.066565	1.018194	-4.5	20
Dibenz(a,h)anthracene	Ave	50.0	51.3		1.095365	1.123251	2.5	20
Fluoranthene	Ave	50.0	50.8		1.134427	1.152269	1.6	20
Fluorene	Ave	50.0	53.4		1.315227	1.403225	6.7	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	49.8		1.086276	1.081446	-0.4	20
2-Methylnaphthalene	Ave	50.0	51.4		0.7313287	0.751644	2.8	20
Naphthalene	Ave	50.0	48.6		1.08918	1.059029	-2.8	20
Phenanthrene	Ave	50.0	47.3		1.151046	1.088169	-5.5	20
Pyrene	Ave	50.0	52.3		1.297049	1.35611	4.6	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N06042002.D

Calibration Date: 04/08/20 10:34

Sequence: 0F04032

Injection Date: 06/04/20

Lab Sample ID: 0F04032-CCV1

Injection Time: 08:37

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	49.8		1.367868	1.362329	-0.4	20
Acenaphthylene	Ave	50.0	51.8		1.864683	1.932331	3.6	20
Anthracene	Ave	50.0	52.9		0.9426797	0.9977116	5.8	20
Benz(a)anthracene	Ave	50.0	51.2		1.037035	1.061421	2.4	20
Benzo(a)pyrene	XXX	50.0	55.3	10.6				20
Benzo(b)fluoranthene	Ave	50.0	51.2		1.033776	1.057603	2.3	20
Benzo(k)fluoranthene	Ave	50.0	51.4		1.030571	1.059656	2.8	20
Benzo(g,h,i)perylene	Ave	50.0	49.3		1.165254	1.149371	-1.4	20
Chrysene	Ave	50.0	48.0		1.066565	1.023334	-4.1	20
Dibenz(a,h)anthracene	Ave	50.0	51.0		1.095365	1.118073	2.1	20
Fluoranthene	Ave	50.0	54.1		1.134427	1.227933	8.2	20
Fluorene	Ave	50.0	51.0		1.315227	1.341788	2.0	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	49.9		1.086276	1.084805	-0.1	20
1-Methylnaphthalene	Ave	50.0	48.7		0.7261398	0.7078931	-2.5	20
2-Methylnaphthalene	Ave	50.0	49.2		0.7313287	0.7201779	-1.5	20
Naphthalene	Ave	50.0	48.8		1.08918	1.062713	-2.4	20
Phenanthrene	Ave	50.0	48.1		1.151046	1.107497	-3.8	20
Pyrene	Ave	50.0	53.5		1.297049	1.386767	6.9	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N06042016.D

Calibration Date: 04/08/20 10:34

Sequence: 0F04059

Injection Date: 06/04/20

Lab Sample ID: 0F04059-CCV1

Injection Time: 16:10

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	48.7		1.367868	1.331441	-2.7	20
Acenaphthylene	Ave	50.0	52.2		1.864683	1.946496	4.4	20
Anthracene	Ave	50.0	52.5		0.9426797	0.9890429	4.9	20
Benz(a)anthracene	Ave	50.0	50.0		1.037035	1.037878	0.08	20
Benzo(a)pyrene	XXX	50.0	55.6	11.1				20
Benzo(b)fluoranthene	Ave	50.0	51.7		1.033776	1.068818	3.4	20
Benzo(k)fluoranthene	Ave	50.0	50.4		1.030571	1.039139	0.8	20
Benzo(g,h,i)perylene	Ave	50.0	49.5		1.165254	1.153746	-1.0	20
Chrysene	Ave	50.0	47.5		1.066565	1.013487	-5.0	20
Dibenz(a,h)anthracene	Ave	50.0	51.6		1.095365	1.130478	3.2	20
Fluoranthene	Ave	50.0	51.2		1.134427	1.161312	2.4	20
Fluorene	Ave	50.0	51.1		1.315227	1.344553	2.2	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	50.0		1.086276	1.086459	0.02	20
1-Methylnaphthalene	Ave	50.0	51.0		0.7261398	0.740314	2.0	20
2-Methylnaphthalene	Ave	50.0	51.4		0.7313287	0.7522282	2.9	20
Naphthalene	Ave	50.0	48.2		1.08918	1.050494	-3.6	20
Phenanthrene	Ave	50.0	48.7		1.151046	1.12071	-2.6	20
Pyrene	Ave	50.0	59.9		1.297049	1.554831	19.9	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0D07056</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D07056-ICV1)			Lab File ID: N04072024.D		Analyzed: 04/07/20 23:44			
2-Fluorobiphenyl (Surr)	50.0	102	70 - 130	8.973	8.973	0.0000	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	103	70 - 130	12.954	12.9576	-0.0036	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F03037

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F03037-CCV1)			Lab File ID: N06032002.D		Analyzed: 06/03/20 08:42			
2-Fluorobiphenyl (Surr)	50.0	99	80 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	105	80 - 120	12.832	12.9576	-0.1256	+/-1.0	
Calibration Blank (0F03037-CCB1)			Lab File ID: N06032003.D		Analyzed: 06/03/20 09:14			
2-Fluorobiphenyl (Surr)			44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.831	12.9576	-0.1266	+/-1.0	
Blank (0060104-BLK1)			Lab File ID: N06032006.D		Analyzed: 06/03/20 10:50			
2-Fluorobiphenyl (Surr)	45.5	84	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	100	54 - 127	12.831	12.9576	-0.1266	+/-1.0	
LCS (0060104-BS1)			Lab File ID: N06032007.D		Analyzed: 06/03/20 11:22			
2-Fluorobiphenyl (Surr)	50.0	80	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	100	54 - 127	12.832	12.9576	-0.1256	+/-1.0	
PDI-175SC-A-00-01-200522 (A0E0668-02)			Lab File ID: N06032010.D		Analyzed: 06/03/20 12:59			
2-Fluorobiphenyl (Surr)	54.0	110	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	54.0	190	54 - 127	12.832	12.9576	-0.1256	+/-1.0	*
Matrix Spike (0060104-MS1)			Lab File ID: N06032011.D		Analyzed: 06/03/20 13:31			
2-Fluorobiphenyl (Surr)	54.0	130	44 - 120	8.874	8.973	-0.0990	+/-1.0	*
p-Terphenyl-d14 (Surr)	54.0	230	54 - 127	12.832	12.9576	-0.1256	+/-1.0	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0F04032</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F04032-CCV1)			Lab File ID: N06042002.D		Analyzed: 06/04/20 08:37			
2-Fluorobiphenyl (Surr)	50.0	98	80 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	106	80 - 120	12.832	12.9576	-0.1256	+/-1.0	
Calibration Blank (0F04032-CCB1)			Lab File ID: N06042003.D		Analyzed: 06/04/20 09:10			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.973	-8.9730	+/-1.0	
p-Terphenyl-d14 (Surr)			50 - 134	12.832	12.9576	-0.1256	+/-1.0	
PDI-1175SC-A-01-02-200522 (A0E0668-01)			Lab File ID: N06042010.D		Analyzed: 06/04/20 12:55			
2-Fluorobiphenyl (Surr)	54.9	120	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	54.9	250	54 - 127	12.832	12.9576	-0.1256	+/-1.0	*
Blank (0060165-BLK1)			Lab File ID: N06042011.D		Analyzed: 06/04/20 13:27			
2-Fluorobiphenyl (Surr)	45.5	79	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	88	54 - 127	12.832	12.9576	-0.1256	+/-1.0	
LCS (0060165-BS1)			Lab File ID: N06042012.D		Analyzed: 06/04/20 14:00			
2-Fluorobiphenyl (Surr)	50.0	74	44 - 120	8.868	8.973	-0.1050	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	83	54 - 127	12.832	12.9576	-0.1256	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0F04059</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F04059-CCV1)			Lab File ID: N06042016.D		Analyzed: 06/04/20 16:10			
2-Fluorobiphenyl (Surr)	50.0	95	80 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	107	80 - 120	12.832	12.9576	-0.1256	+/-1.0	
Calibration Blank (0F04059-CCB1)			Lab File ID: N06042017.D		Analyzed: 06/04/20 16:42			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.973	-8.9730	+/-1.0	
p-Terphenyl-d14 (Surr)			50 - 134	12.826	12.9576	-0.1316	+/-1.0	
PDI-175SC-A-02-03-200522 (A0E0668-04)			Lab File ID: N06042026.D		Analyzed: 06/04/20 21:33			
2-Fluorobiphenyl (Surr)	55.5	61	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	55.5	74	54 - 127	12.832	12.9576	-0.1256	+/-1.0	
Matrix Spike (0060165-MS1)			Lab File ID: N06042027.D		Analyzed: 06/04/20 22:05			
2-Fluorobiphenyl (Surr)	55.6	67	44 - 120	8.868	8.973	-0.1050	+/-1.0	
p-Terphenyl-d14 (Surr)	55.6	72	54 - 127	12.832	12.9576	-0.1256	+/-1.0	
Matrix Spike Dup (0060165-MSD1)			Lab File ID: N06042028.D		Analyzed: 06/04/20 22:36			
2-Fluorobiphenyl (Surr)	55.5	56	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	55.5	70	54 - 127	12.832	12.9576	-0.1256	+/-1.0	
PDI-175SC-A-03-04-200522 (A0E0668-05)			Lab File ID: N06042029.D		Analyzed: 06/04/20 23:07			
2-Fluorobiphenyl (Surr)	55.1	65	44 - 120	8.874	8.973	-0.0990	+/-1.0	
p-Terphenyl-d14 (Surr)	55.1	82	54 - 127	12.832	12.9576	-0.1256	+/-1.0	
PDI-175SC-A-01-02-200522 (A0E0668-03)			Lab File ID: N06042030.D		Analyzed: 06/04/20 23:38			
2-Fluorobiphenyl (Surr)	54.2	130	44 - 120	8.874	8.973	-0.0990	+/-1.0	*
p-Terphenyl-d14 (Surr)	54.2	230	54 - 127	12.832	12.9576	-0.1256	+/-1.0	*

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0F03037
 Matrix: Sediment

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: SV-GCMS14
 Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0F03037-CCV1)			Lab File ID: N06032002.D			Analyzed: 06/03/20 08:42			
Naphthalene-d8 (ISTD)	244983	7.802	265079	7.906	92	50 - 200	-0.1040	+/-0.50	
Acenaphthene-d10 (ISTD)	145311	9.562	146492	9.661	99	50 - 200	-0.0990	+/-0.50	
Phenanthrene-d10 (ISTD)	263211	11.071	242013	11.165	109	50 - 200	-0.0940	+/-0.50	
Chrysene-d12 (ISTD)	230353	14.784	238949	14.947	96	50 - 200	-0.1630	+/-0.50	
Perylene-d12 (ISTD)	220749	18.252	233103	18.41	95	50 - 200	-0.1580	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	193565	20.642	190743	20.794	101	50 - 200	-0.1520	+/-0.50	
Calibration Blank (0F03037-CCB1)			Lab File ID: N06032003.D			Analyzed: 06/03/20 09:14			
Naphthalene-d8 (ISTD)	235388	7.807	244983	7.802	96	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	126720	9.562	145311	9.562	87	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	199169	11.071	263211	11.071	76	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	175912	14.784	230353	14.784	76	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	167829	18.252	220749	18.252	76	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	146038	20.642	193565	20.642	75	50 - 200	0.0000	+/-0.50	
Blank (0060104-BLK1)			Lab File ID: N06032006.D			Analyzed: 06/03/20 10:50			
Naphthalene-d8 (ISTD)	218137	7.807	244983	7.802	89	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	115018	9.562	145311	9.562	79	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	167256	11.071	263211	11.071	64	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	151132	14.784	230353	14.784	66	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	142850	18.252	220749	18.252	65	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	121938	20.642	193565	20.642	63	50 - 200	0.0000	+/-0.50	
LCS (0060104-BS1)			Lab File ID: N06032007.D			Analyzed: 06/03/20 11:22			
Naphthalene-d8 (ISTD)	214672	7.807	244983	7.802	88	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	133941	9.562	145311	9.562	92	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	220139	11.072	263211	11.071	84	50 - 200	0.0010	+/-0.50	
Chrysene-d12 (ISTD)	177447	14.784	230353	14.784	77	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	168722	18.252	220749	18.252	76	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	147547	20.642	193565	20.642	76	50 - 200	0.0000	+/-0.50	
Duplicate (0060104-DUP1)			Lab File ID: N06032009.D			Analyzed: 06/03/20 12:27			
Naphthalene-d8 (ISTD)	230847	7.807	244983	7.802	94	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	141449	9.562	145311	9.562	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	258975	11.071	263211	11.071	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	237903	14.784	230353	14.784	103	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	229280	18.252	220749	18.252	104	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	205392	20.642	193565	20.642	106	50 - 200	0.0000	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0F03037
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: SV-GCMS14
 Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
PDI-175SC-A-00-01-200522 (A0E0668-02)			Lab File ID: N06032010.D			Analyzed: 06/03/20 12:59			
Naphthalene-d8 (ISTD)	225940	7.807	244983	7.802	92	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	114800	9.562	145311	9.562	79	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	176774	11.071	263211	11.071	67	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	169773	14.784	230353	14.784	74	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	165116	18.252	220749	18.252	75	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	140370	20.642	193565	20.642	73	50 - 200	0.0000	+/-0.50	
Matrix Spike (0060104-MS1)			Lab File ID: N06032011.D			Analyzed: 06/03/20 13:31			
Naphthalene-d8 (ISTD)	241011	7.807	244983	7.802	98	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	142451	9.562	145311	9.562	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	235278	11.066	263211	11.071	89	50 - 200	-0.0050	+/-0.50	
Chrysene-d12 (ISTD)	199954	14.784	230353	14.784	87	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	190117	18.252	220749	18.252	86	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	163119	20.636	193565	20.642	84	50 - 200	-0.0060	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0F04032
 Matrix: Sediment

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: SV-GCMS14
 Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0F04032-CCV1)			Lab File ID: N06042002.D			Analyzed: 06/04/20 08:37			
Naphthalene-d8 (ISTD)	214086	7.802	265079	7.906	81	50 - 200	-0.1040	+/-0.50	
Acenaphthene-d10 (ISTD)	116154	9.562	146492	9.661	79	50 - 200	-0.0990	+/-0.50	
Phenanthrene-d10 (ISTD)	201884	11.071	242013	11.165	83	50 - 200	-0.0940	+/-0.50	
Chrysene-d12 (ISTD)	184579	14.784	238949	14.947	77	50 - 200	-0.1630	+/-0.50	
Perylene-d12 (ISTD)	172490	18.258	233103	18.41	74	50 - 200	-0.1520	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	140134	20.642	190743	20.794	73	50 - 200	-0.1520	+/-0.50	
Calibration Blank (0F04032-CCB1)			Lab File ID: N06042003.D			Analyzed: 06/04/20 09:10			
Naphthalene-d8 (ISTD)	226671	7.801	214086	7.802	106	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10 (ISTD)	114816	9.562	116154	9.562	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	192660	11.071	201884	11.071	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	195373	14.784	184579	14.784	106	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	182801	18.252	172490	18.258	106	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	151066	20.642	140134	20.642	108	50 - 200	0.0000	+/-0.50	
PDI-1175SC-A-01-02-200522 (A0E0668-01)			Lab File ID: N06042010.D			Analyzed: 06/04/20 12:55			
Naphthalene-d8 (ISTD)	217011	7.807	214086	7.802	101	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	134893	9.562	116154	9.562	116	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	231584	11.072	201884	11.071	115	50 - 200	0.0010	+/-0.50	
Chrysene-d12 (ISTD)	186542	14.784	184579	14.784	101	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	179028	18.252	172490	18.258	104	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	155049	20.642	140134	20.642	111	50 - 200	0.0000	+/-0.50	
Blank (0060165-BLK1)			Lab File ID: N06042011.D			Analyzed: 06/04/20 13:27			
Naphthalene-d8 (ISTD)	216755	7.802	214086	7.802	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	117301	9.562	116154	9.562	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	188674	11.071	201884	11.071	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	214953	14.784	184579	14.784	116	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	210709	18.258	172490	18.258	122	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	182949	20.642	140134	20.642	131	50 - 200	0.0000	+/-0.50	
LCS (0060165-BS1)			Lab File ID: N06042012.D			Analyzed: 06/04/20 14:00			
Naphthalene-d8 (ISTD)	229746	7.802	214086	7.802	107	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	126398	9.562	116154	9.562	109	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	204651	11.066	201884	11.071	101	50 - 200	-0.0050	+/-0.50	
Chrysene-d12 (ISTD)	174275	14.784	184579	14.784	94	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	168264	18.252	172490	18.258	98	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	140634	20.636	140134	20.642	100	50 - 200	-0.0060	+/-0.50	

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

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F04032

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (0060165-DUP1)		Lab File ID: N06042014.D			Analyzed: 06/04/20 15:04				
Naphthalene-d8 (ISTD)	217107	7.807	214086	7.802	101	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	136148	9.562	116154	9.562	117	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	222870	11.071	201884	11.071	110	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	168936	14.784	184579	14.784	92	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	159789	18.252	172490	18.258	93	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	127682	20.636	140134	20.642	91	50 - 200	-0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0F04059
 Matrix: Sediment

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: SV-GCMS14
 Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0F04059-CCV1)			Lab File ID: N06042016.D			Analyzed: 06/04/20 16:10			
Naphthalene-d8 (ISTD)	218899	7.807	265079	7.906	83	50 - 200	-0.0990	+/-0.50	
Acenaphthene-d10 (ISTD)	134232	9.562	146492	9.661	92	50 - 200	-0.0990	+/-0.50	
Phenanthrene-d10 (ISTD)	230627	11.071	242013	11.165	95	50 - 200	-0.0940	+/-0.50	
Chrysene-d12 (ISTD)	179734	14.784	238949	14.947	75	50 - 200	-0.1630	+/-0.50	
Perylene-d12 (ISTD)	167121	18.252	233103	18.41	72	50 - 200	-0.1580	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	143028	20.642	190743	20.794	75	50 - 200	-0.1520	+/-0.50	
Calibration Blank (0F04059-CCB1)			Lab File ID: N06042017.D			Analyzed: 06/04/20 16:42			
Naphthalene-d8 (ISTD)	220860	7.807	218899	7.807	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	129360	9.562	134232	9.562	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	193795	11.066	230627	11.071	84	50 - 200	-0.0050	+/-0.50	
Chrysene-d12 (ISTD)	140243	14.784	179734	14.784	78	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	132307	18.252	167121	18.252	79	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	117097	20.642	143028	20.642	82	50 - 200	0.0000	+/-0.50	
PDI-175SC-A-02-03-200522 (A0E0668-04)			Lab File ID: N06042026.D			Analyzed: 06/04/20 21:33			
Naphthalene-d8 (ISTD)	248126	7.807	218899	7.807	113	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	149274	9.562	134232	9.562	111	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	272877	11.071	230627	11.071	118	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	232119	14.784	179734	14.784	129	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	217226	18.258	167121	18.252	130	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	183336	20.642	143028	20.642	128	50 - 200	0.0000	+/-0.50	
Matrix Spike (0060165-MS1)			Lab File ID: N06042027.D			Analyzed: 06/04/20 22:05			
Naphthalene-d8 (ISTD)	253811	7.802	218899	7.807	116	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	140708	9.562	134232	9.562	105	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	248967	11.071	230627	11.071	108	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	261107	14.784	179734	14.784	145	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	249331	18.258	167121	18.252	149	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	214963	20.642	143028	20.642	150	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (0060165-MSD1)			Lab File ID: N06042028.D			Analyzed: 06/04/20 22:36			
Naphthalene-d8 (ISTD)	246218	7.807	218899	7.807	112	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	149136	9.562	134232	9.562	111	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	266131	11.072	230627	11.071	115	50 - 200	0.0010	+/-0.50	
Chrysene-d12 (ISTD)	200834	14.784	179734	14.784	112	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	173714	18.252	167121	18.252	104	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	129915	20.642	143028	20.642	91	50 - 200	0.0000	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0F04059
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: SV-GCMS14
 Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
PDI-175SC-A-03-04-200522 (A0E0668-05)			Lab File ID: N06042029.D			Analyzed: 06/04/20 23:07			
Naphthalene-d8 (ISTD)	241530	7.807	218899	7.807	110	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	145912	9.562	134232	9.562	109	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	256700	11.071	230627	11.071	111	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	198306	14.784	179734	14.784	110	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	177924	18.258	167121	18.252	106	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	151216	20.642	143028	20.642	106	50 - 200	0.0000	+/-0.50	
PDI-175SC-A-01-02-200522 (A0E0668-03)			Lab File ID: N06042030.D			Analyzed: 06/04/20 23:38			
Naphthalene-d8 (ISTD)	256556	7.807	218899	7.807	117	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	159738	9.562	134232	9.562	119	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	293316	11.071	230627	11.071	127	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	249473	14.784	179734	14.784	139	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	230914	18.258	167121	18.252	138	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	186495	20.642	143028	20.642	130	50 - 200	0.0000	+/-0.50	

HOLDING TIME SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-1175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 07:17	11.91	14.00	06/04/20 12:55	1.23	40.00	
PDI-175SC-A-00-01-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 07:17	11.91	14.00	06/03/20 12:59	0.24	40.00	
PDI-175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/04/20 08:24	12.96	14.00	06/04/20 23:38	0.63	40.00	
PDI-175SC-A-02-03-200522	05/22/20 09:25	05/22/20 12:20	06/04/20 08:24	12.96	14.00	06/04/20 21:33	0.55	40.00	
PDI-175SC-A-03-04-200522	05/22/20 09:25	05/22/20 12:20	06/04/20 08:24	12.96	14.00	06/04/20 23:07	0.61	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 5310 B MOD

ANALYSES DATA PACKAGE COVER PAGE

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-1175SC-A-01-02-200522</u>	<u>A0E0668-01</u>	<u>SE</u>
<u>PDI-175SC-A-00-01-200522</u>	<u>A0E0668-02</u>	<u>SE</u>
<u>PDI-175SC-A-01-02-200522</u>	<u>A0E0668-03</u>	<u>SE</u>
<u>PDI-175SC-A-02-03-200522</u>	<u>A0E0668-04</u>	<u>SE</u>
<u>PDI-175SC-A-03-04-200522</u>	<u>A0E0668-05</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: _____

7/7/2020 10:44AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Total Organic Carbon	0.020	0.020	% by Weight

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

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-1175SC-A-01-02-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-01RE1

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:57

Analyzed: 06/13/20 13:49

Solids: 90.36

Preparation: PSEP-5310B TOC

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

Batch: 0060137

Sequence: 0F13004

Calibration: A8B0203

Instrument: TOC

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.16	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-175SC-A-01-02-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-03

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:57

Analyzed: 06/13/20 14:28

Solids: 90.44

Preparation: PSEP-5310B TOC

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

Batch: 0060137

Sequence: 0F13004

Calibration: A8B0203

Instrument: TOC

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.22	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-175SC-A-02-03-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-04

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:57

Analyzed: 06/13/20 14:42

Solids: 87.11

Preparation: PSEP-5310B TOC

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

Batch: 0060137

Sequence: 0F13004

Calibration: A8B0203

Instrument: TOC

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.020	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-175SC-A-03-04-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-05

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:57

Analyzed: 06/15/20 11:08

Solids: 87.02

Preparation: PSEP-5310B TOC

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

Batch: 0060137

Sequence: 0F15041

Calibration: A8B0203

Instrument: TOC

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.020	1		SM 5310 B MOD

PREPARATION BATCH SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060137 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060137-BLK1		06/03/20 11:57	
LCS	0060137-BS1		06/03/20 11:57	
PDI-175SC-A-02-03-200522 (Dup)	0060137-DUP1		06/03/20 11:57	
PDI-1175SC-A-01-02-200522	A0E0668-01RE1		06/03/20 11:57	
PDI-175SC-A-00-01-200522	A0E0668-02RE1		06/03/20 11:57	
PDI-175SC-A-01-02-200522	A0E0668-03		06/03/20 11:57	
PDI-175SC-A-02-03-200522	A0E0668-04		06/03/20 11:57	
PDI-175SC-A-03-04-200522	A0E0668-05		06/03/20 11:57	

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
SM 5310 B MOD

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Soil</u>	Laboratory ID: <u>0060137-BLK1</u>	File ID:
Prepared: <u>06/03/20 11:57</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>
Analyzed: <u>06/13/20 12:29</u>	Instrument: <u>TOC</u>	
Batch: <u>0060137</u>	Sequence: <u>0F13004</u>	Calibration: <u>A8B0203</u>

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

LCS / LCS DUPLICATE RECOVERY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Soil

Batch: 0060137

Laboratory ID: 0060137-BS1

Preparation: PSEP-5310B TOC

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

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC. (* = Out)	QC LIMITS REC.
Total Organic Carbon	10000	10000	101	90 - 110

* = Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-175SC-A-02-03-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Soil

Laboratory ID: 0060137-DUP1

Batch: 0060137

Lab Source ID: A0E0668-04

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-175SC-A-02-03-200522

% Solids: 87.11

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.020		0.020		200	*	SM 5310 B MOD

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F13004

Instrument: TOC

Matrix: Soil

Calibration: A8B0203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0F13004-CCV1		06/13/20 11:42
Calibration Blank	0F13004-CCB1		06/13/20 11:57
Blank	0060137-BLK1		06/13/20 12:29
LCS	0060137-BS1		06/13/20 12:44
PDI-1175SC-A-01-02-200522	A0E0668-01RE1		06/13/20 13:49
PDI-175SC-A-00-01-200522	A0E0668-02RE1		06/13/20 14:11
PDI-175SC-A-01-02-200522	A0E0668-03		06/13/20 14:28
PDI-175SC-A-02-03-200522	A0E0668-04		06/13/20 14:42
PDI-175SC-A-02-03-200522 (Dup)	0060137-DUP1		06/13/20 15:01
Calibration Check	0F13004-CCV2		06/13/20 15:23
Calibration Blank	0F13004-CCB2		06/13/20 15:47

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0F15041

Instrument: TOC

Matrix: Soil

Calibration: A8B0203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0F15041-CCV1		06/15/20 10:29
Calibration Blank	0F15041-CCB1		06/15/20 10:45
PDI-175SC-A-03-04-200522	A0E0668-05		06/15/20 11:08
Calibration Check	0F15041-CCV2		06/15/20 14:13
Calibration Blank	0F15041-CCB2		06/15/20 14:30
Calibration Check	0F15041-CCV3		06/15/20 18:23
Calibration Blank	0F15041-CCB3		06/15/20 18:38
Calibration Check	0F15041-CCV4		06/15/20 19:07
Calibration Blank	0F15041-CCB4		06/15/20 19:25

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 8B02022

Instrument: TOC

Matrix: Sediment

Calibration: A8B0203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	8B02022-CAL2		02/02/18 17:35
Cal Standard	8B02022-CAL3		02/02/18 17:35
Cal Standard	8B02022-CAL4		02/02/18 17:35
Cal Standard	8B02022-CAL5		02/02/18 17:35
Cal Standard	8B02022-CAL6		02/02/18 17:35
Cal Standard	8B02022-CAL7		02/02/18 17:35
Cal Standard	8B02022-CAL8		02/02/18 17:35
Cal Standard	8B02022-CAL9		02/02/18 17:35
Cal Standard	8B02022-CALA		02/02/18 17:35
Cal Standard	8B02022-CALB		02/02/18 17:35
Initial Cal Check	8B02022-ICV2		02/02/18 17:35
Initial Cal Blank	8B02022-ICB2		02/02/18 17:35

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.

INITIAL CALIBRATION DATA (Summary)

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A8B0203

Date: 02/02/18 15:56

Instrument: TOC

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

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

INITIAL CALIBRATION DATA
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A8B0203

Instrument: TOC

Calibration Date: 02/02/18 15:56

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	1000		2500		5000		10000		15000		20000	

INITIAL CALIBRATION DATA (Continued)

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A8B0203

Instrument: TOC

Matrix:

Calibration Date: 02/02/18 15:56

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		30000		35000		40000					

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: TOC

Calibration: A8B0203

Control Limit: +/- 10.00%

Sequence: 0F13004

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0F13004-CCV1	Total Organic Carbon	10000	9700	97	mg/kg	SM 5310 B MOD
0F13004-CCV2	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD

* Values outside of OC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: TOC

Calibration: A8B0203

Control Limit: +/- 10.00%

Sequence: 0F15041

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0F15041-CCV1	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD
0F15041-CCV2	Total Organic Carbon	10000	10000	102	mg/kg	SM 5310 B MOD
0F15041-CCV3	Total Organic Carbon	10000	10000	101	mg/kg	SM 5310 B MOD
0F15041-CCV4	Total Organic Carbon	10000	9400	94	mg/kg	SM 5310 B MOD

* Values outside of OC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: TOC

Calibration: A8B0203

Control Limit: +/- 10.00%

Sequence: 8B02022

Lab Sample ID	Analyte	True	Found	%R	Units	Method
8B02022-ICV2	Total Organic Carbon	10000	10000	104	mg/kg	SM 5310 B MOD

* Values outside of QC limits

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC

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

Sequence: 0F13004

Calibration: A8B0203

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0F13004-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0F13004-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC

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

Sequence: 0F15041

Calibration: A8B0203

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0F15041-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0F15041-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0F15041-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0F15041-CCB4	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC

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

Sequence: 8B02022

Calibration: A8B0203

Lab Sample ID	Analyte	Found	RL	Units	C	Method
8B02022-ICB2	Total Organic Carbon	260	200 (Inst)	mg/kg	*	SM 5310 B MOD

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

HOLDING TIME SUMMARY
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-1175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:57	12.11	28.00	06/13/20 13:49	22.18	28.00	
PDI-175SC-A-00-01-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:57	12.11	28.00	06/13/20 14:11	22.20	28.00	
PDI-175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:57	12.11	28.00	06/13/20 14:28	22.21	28.00	
PDI-175SC-A-02-03-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:57	12.11	28.00	06/13/20 14:42	22.22	28.00	
PDI-175SC-A-03-04-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:57	12.11	28.00	06/15/20 11:08	24.07	28.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-1175SC-A-01-02-200522</u>	<u>A0E0668-01</u>	<u>SE</u>
<u>PDI-175SC-A-00-01-200522</u>	<u>A0E0668-02</u>	<u>SE</u>
<u>PDI-175SC-A-01-02-200522</u>	<u>A0E0668-03</u>	<u>SE</u>
<u>PDI-175SC-A-02-03-200522</u>	<u>A0E0668-04</u>	<u>SE</u>
<u>PDI-175SC-A-03-04-200522</u>	<u>A0E0668-05</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: _____

7/7/2020 10:44AM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Total Solids	1.00	1.00	% by Weight

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

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-1175SC-A-01-02-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-01

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:47

Analyzed: 06/04/20 18:09

Solids: 90.36

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060131

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	90.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-175SC-A-00-01-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-02

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:47

Analyzed: 06/04/20 18:09

Solids: 92.17

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060131

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	92.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-175SC-A-01-02-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-03

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:47

Analyzed: 06/04/20 18:09

Solids: 90.44

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060131

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	90.4	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-175SC-A-02-03-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-04

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:47

Analyzed: 06/04/20 18:09

Solids: 87.11

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060131

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	87.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-175SC-A-03-04-200522

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: SE

Laboratory ID: A0E0668-05

Sampled: 05/22/20 09:25

Prepared: 06/03/20 11:47

Analyzed: 06/04/20 18:09

Solids: 87.02

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0060131

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	87.0	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0060131

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-175SC-A-02-03-200522 (Dup)	0060131-DUP1		06/03/20 11:47	
PDI-1175SC-A-01-02-200522	A0E0668-01		06/03/20 11:47	
PDI-175SC-A-00-01-200522	A0E0668-02		06/03/20 11:47	
PDI-175SC-A-01-02-200522	A0E0668-03		06/03/20 11:47	
PDI-175SC-A-02-03-200522	A0E0668-04		06/03/20 11:47	
PDI-175SC-A-03-04-200522	A0E0668-05		06/03/20 11:47	

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

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

DUPLICATES

PDI-175SC-A-02-03-200522

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0060131-DUP1

Batch: 0060131

Lab Source ID: A0E0668-04

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-175SC-A-02-03-200522

% Solids: 87.11

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	87.1		87.3		0.2		SM 2540 G

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-1175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	180.00	06/04/20 18:09	1.27		
PDI-175SC-A-00-01-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	180.00	06/04/20 18:09	1.27		
PDI-175SC-A-01-02-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	180.00	06/04/20 18:09	1.27		
PDI-175SC-A-02-03-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	180.00	06/04/20 18:09	1.27		
PDI-175SC-A-03-04-200522	05/22/20 09:25	05/22/20 12:20	06/03/20 11:47	12.10	180.00	06/04/20 18:09	1.27		

Raw Data

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

Batch 0060185
Sequence 0F06002 (A0E0668-03)



Apex Laboratories
PREPARATION BENCH SHEET

JUN 19 2020


BATCH #: 0060185 (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	>11
	0060185-BLK1	QC	06/04/20 12:22	31	2				100					
	0060185-BS1	QC	06/04/20 12:22	30	2	A20E218		100	100					
	A0E0186-07RE1	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.27	2				100	PDI-048SC-B-04-06-200506	Low surrogate recovery. Added 6/3/2020 By DTH			
	A0E0186-08RE1	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.57	2				100	PDI-048SC-B-06-08-200506	Low surrogate recovery. Added 6/3/2020 By DTH			
	A0E0668-01	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.51	2				100	PDI-1175SC-A-01-02-200522	+1262,1268			
	0060185-DUP1	QC	06/04/20 12:22	30.47	2		A0E0668-01		100					
	A0E0668-03	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.51	2				100	PDI-175SC-A-01-02-200522	+1262,1268			
	A0E0668-04	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.74	2				100	PDI-175SC-A-02-03-200522	MS/MSD, +1262,1268			
	0060185-MS1	QC	06/04/20 12:22	30.74	2	A20E218	A0E0668-04	100	100					
	0060185-MSD1	QC	06/04/20 12:22	30.75	2	A20E218	A0E0668-04	100	100					
	A0E0668-05	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.16	2				100	PDI-175SC-A-03-04-200522	+1262,1268			
	A0E0672-18	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.59	2				100	PDI-173SC-A-07-08-200521	+1262,1268			
	A0E0672-20	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.31	2				100	PDI-174SC-A-03-04-200521	+1262,1268			
	A0E0672-21	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.27	2				100	PDI-174SC-A-04-05-200521	+1262,1268			
	A0E0672-22	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.66	2				100	PDI-174SC-A-05-06-200521	+1262,1268			
	A0E0672-23	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.78	2				100	PDI-174SC-A-06-07-200521	+1262,1268			
	A0E0672-24	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.72	2				100	PDI-174SC-A-07-08-200521	+1262,1268			

Standards/Reagents

Prepared By: _____ Date: _____


 Reviewed By: _____ Date: 6/15/20

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060185 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	7-11	>11

Reagent(s)		
Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20D177	10/10/22	Sodium Sulfate Lot # 195510
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F071	03/02/25	Copper, Granular Lot# 027040-BL

Analyte Spike(s)		
Std ID	Exp. Date	Description
A20E218	11/06/20	8082 PCB Matrix Spike

Surrogate(s)		
Std ID	Exp. Date	Description
A20E178	10/30/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperature achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060185 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	2-8	>11	
1/2	0060185-BLK1	QC	06/04/20 12:22	30.31	2	/			100						
1/4	0060185-BS1	QC	06/04/20 12:22	30	2	A20E218		100	100						
1/6	A0E0186-07RE1	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.27	2	/			100	PDI-048SC-B-04-06-200506	Low surrogate recovery. Added 6/3/2020 By DTH <i>Mud</i>				
1/8	A0E0186-08RE1	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.57	2	/			100	PDI-048SC-B-06-08-200506	Low surrogate recovery. Added 6/3/2020 By DTH <i>Mud</i>				
1/10	A0E0668-01	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.51	2	/			100	PDI-1175SC-A-01-02-200522	+1262,1268 <i>dirt</i>				
1/12	0060185-DUP1	QC	06/04/20 12:22	30.47	2	/	A0E0668-01		100						
1/14	A0E0668-03	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.51	2	/			100	PDI-175SC-A-01-02-200522	+1262,1268 <i>dirt</i>				
1/16	A0E0668-04	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.74	2	/			100	PDI-175SC-A-02-03-200522	MS/MSD, +1262,1268 <i>dirt</i>				
1/18	0060185-MS1	QC	06/04/20 12:22	30.74	2	A20E218	A0E0668-04	100	100						
1/20	0060185-MSD1	QC	06/04/20 12:22	30.75	2	A20E218	A0E0668-04	100	100						
1/22	A0E0668-05	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.16	2	/			100	PDI-175SC-A-03-04-200522	+1262,1268 <i>dirt</i>				
1/24	A0E0672-18	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.59	2	/			100	PDI-173SC-A-07-08-200521	+1262,1268 <i>Mud</i>				
1/26	A0E0672-20	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.31	2	/			100	PDI-174SC-A-03-04-200521	+1262,1268 <i>dirt</i> *				
1/28	A0E0672-21	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.27	2	/			100	PDI-174SC-A-04-05-200521	+1262,1268 <i>Mud, Rock</i>				
1/30	A0E0672-22	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.66	2	/			100	PDI-174SC-A-05-06-200521	+1262,1268 <i>dirt org</i>				
1/32	A0E0672-23	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.78	2	/			100	PDI-174SC-A-06-07-200521	+1262,1268 <i>dirt org</i>				
1/34	A0E0672-24	A 8082 PCBs - Low Level (30g/2mL)	06/04/20 12:22	30.72	2	/			100	PDI-174SC-A-07-08-200521	+1262,1268 <i>Mud</i>				

Standards/Reagents

* = staining on Turbo Vap

Prepared By: *Curt*
Date: *6/4/20*
JAG
Curt
6/5/20

Reviewed By: *CAS*
Date: *06/04/2020*

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0060185 (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
Reagent(s)			Analyte Spike(s)				Surrogate(s)						
<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>	<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>	<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>					
A13L219 A20E071	11/30/23	Extraction's Balance	<i>Auth</i> A20E218	11/06/20	8082 PCB Matrix Spike	<i>Auth</i> A20E178	10/30/20	8082 PCB Surrogate Spike					
A20E178	05/07/22	Copper, Granular Lot# 1260003											
A20A032	06/30/23	n-Hexane Lot# 197051											
A20A327	07/22/20	Florisil Lot 919270-CP											
A20B017	08/01/20	Glass Wool											
A20C055	08/31/20	Sulfuric Acid											
A20D177	10/10/22	Sodium Sulfate Lot # 195510											
A20E143	11/09/20	DCM CHEM PROD. DY726-US											

Method 3546 digestion time and temperature achieved.

Initial: JAG

Witness: JAG 6/4/2020

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0F06002**

Instrument: **DUALECD1R**

Date: **06/06/20 12:49**

Calibration: **A0D0303**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F06002-CCV1	Sediment	QC	QC				A20E179
2	0F06002-CCB1	Sediment	QC	QC				A20F087
3	0F06002-CCV2	Sediment	QC	QC				A20E179
4	0F06002-CCB2	Sediment	QC	QC				A20F087
5	A0E0668-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
6	0F06002-IBL1	Sediment	QC	QC				
7	A0E0672-18	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
8	0F06002-IBL2	Sediment	QC	QC				
9	A0E0672-21	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
10	0F06002-IBL3	Sediment	QC	QC				
11	A0E0672-22	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
12	0F06002-IBL4	Sediment	QC	QC				
13	A0E0672-20	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
14	0F06002-IBL5	Sediment	QC	QC				
15	A0E0672-23	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
16	0F06002-IBL6	Sediment	QC	QC				
17	A0E0672-24	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
18	0F06002-IBL7	Sediment	QC	QC				
19	0F06002-CCV3	Sediment	QC	QC				A20E179
20	0F06002-CCB3	Sediment	QC	QC				A20F087
21	A0E0672-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060119		
22	0F06002-IBL8	Sediment	QC	QC				
23	A0E0672-04	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060119		
24	0F06002-IBL9	Sediment	QC	QC				
25	A0E0672-05	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060119		
26	0F06002-IBLA	Sediment	QC	QC				
27	A0E0672-15	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060119		
28	0F06002-IBLB	Sediment	QC	QC				
29	A0E0672-16	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060119		
30	0F06002-IBLC	Sediment	QC	QC				
31	0F06002-CCV4	Sediment	QC	QC				A20E179
32	0F06002-CCB4	Sediment	QC	QC				A20F087

Comments:

Data Entered By/Date: *MG 06/05/20*

Data Reviewed By/Date: *MG 06/06/20* - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 228 of 1305

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.

0F06002-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	462.98
1016 (2)	506.51
1016 (3)	491.06
1016 (4)	522.17
1016 (5)	498.15
1016 (6)	508.43
Average:	498.22

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	532.14
1260 (2)	549.85
1260 (3)	542.68
1260 (4)	542.55
1260 (5)	547.44
1260 (6)	542.45
Average:	542.85

0F06002-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	481.59
1016 (2)	529.32
1016 (3)	530.55
1016 (4)	528.40
1016 (5)	530.24
1016 (6)	532.96
Average:	522.18

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	560.12
1260 (2)	577.21
1260 (3)	560.97
1260 (4)	584.01
1260 (5)	572.86
1260 (6)	547.72
Average:	567.15

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.

0F06002-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	492.81
1016 (2)	580.97
1016 (3)	557.75
1016 (4)	545.42
1016 (5)	538.01
1016 (6)	554.98
Average:	544.99

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	557.93
1260 (2)	560.03
1260 (3)	541.66
1260 (4)	584.41
1260 (5)	579.53
1260 (6)	545.57
Average:	561.52

0F06002-CCV4

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	503.72
1016 (2)	592.05
1016 (3)	554.83
1016 (4)	588.01
1016 (5)	577.50
1016 (6)	587.31
Average:	567.24

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	558.92
1260 (2)	601.48
1260 (3)	587.94
1260 (4)	600.19
1260 (5)	603.48
1260 (6)	593.62
Average:	590.94

Data Path : I:\DATA\0F06002\
 Data File : ECD1R003.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:27 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:57:55 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.906	11156842	218.293	ng/ml
62) S DCBP (S)	11.099	6521362	252.849	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.582	730399	462.976	ng/ml
3) Aroclor 1016 (2)	7.076	1443142	506.511	ng/ml
4) Aroclor 1016 (3)	7.206	666361	491.055	ng/ml
5) Aroclor 1016 (4)	7.291	705323	522.171	ng/ml
6) Aroclor 1016 (5)	7.338	742327	498.147	ng/ml
7) Aroclor 1016 (6)	7.466	763466	508.432	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.079	56236	142.551	ng/ml
10) Aroclor 1221 (2)	6.155	100617	257.926	ng/ml
11) Aroclor 1221 (3)	6.243	497694	388.810	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.243	497694	486.075	ng/ml
14) Aroclor 1232 (2)	6.582	730399	1177.944	ng/ml
15) Aroclor 1232 (3)	7.076	1443142	1265.530	ng/ml
16) Aroclor 1232 (4)	7.206	666361	1236.819	ng/ml
17) Aroclor 1232 (5)	7.291	705323	1634.698	ng/ml
18) Aroclor 1232 (6)	7.466	763466	1458.217	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.582	730399	627.408	ng/ml
21) Aroclor 1242 (2)	7.076	1443142	692.575	ng/ml
22) Aroclor 1242 (3)	7.206	666361	678.431	ng/ml
23) Aroclor 1242 (4)	7.291	705323	773.164	ng/ml
24) Aroclor 1242 (5)	7.338	742327	698.389	ng/ml
25) Aroclor 1242 (6)	7.466	763466	706.442	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.049	1218839	953.456	ng/ml
28) Aroclor 1248 (2)	7.291	705323	430.014	ng/ml
29) Aroclor 1248 (3)	7.338	742327	476.454	ng/ml
30) Aroclor 1248 (4)	7.466	763466	410.539	ng/ml
31) Aroclor 1248 (5)	7.812	577578	243.421	ng/ml
32) Aroclor 1248 (6)	7.994	659711	330.518	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.812	577578	245.809	ng/ml
35) Aroclor 1254 (2)	7.994	659711	185.614	ng/ml
36) Aroclor 1254 (3)	8.310	375845	98.896	ng/ml
37) Aroclor 1254 (4)	8.551	237200	83.579	ng/ml
38) Aroclor 1254 (5)	8.890	1977686	673.660	ng/ml
39) Aroclor 1254 (6)	9.117	281569	337.971	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.447	1540652	532.136	ng/ml
42) Aroclor 1260 (2)	8.654	1935584	549.854	ng/ml
43) Aroclor 1260 (3)	8.890	1977686	542.682	ng/ml
44) Aroclor 1260 (4)	9.412	2848605	542.551	ng/ml

Data Path : I:\DATA\0F06002\
 Data File : ECD1R003.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:27 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:57:55 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.705	1693286	547.444	ng/ml
46)	Aroclor 1260 (6)	10.342	655567	542.450	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.654	1935584	709.558	ng/ml
49)	Aroclor 1262 (2)	8.960	1407247	375.011	ng/ml
50)	Aroclor 1262 (3)	9.150	1335754	490.878	ng/ml
51)	Aroclor 1262 (4)	9.412	2848605	486.852	ng/ml
52)	Aroclor 1262 (5)	9.705	1693286	479.726	ng/ml
53)	Aroclor 1262 (6)	10.342	655567	409.473	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	9.196	107569	66.513	ng/ml
56)	Aroclor 1268 (2)	9.705	1693286	252.458	ng/ml
57)	Aroclor 1268 (3)	9.776	670436	122.940	ng/ml
58)	Aroclor 1268 (4)	10.050	40867	8.590	ng/ml
59)	Aroclor 1268 (5)	10.342	655567	337.739	ng/ml
60)	Aroclor 1268 (6)	10.741	202422	16.886	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

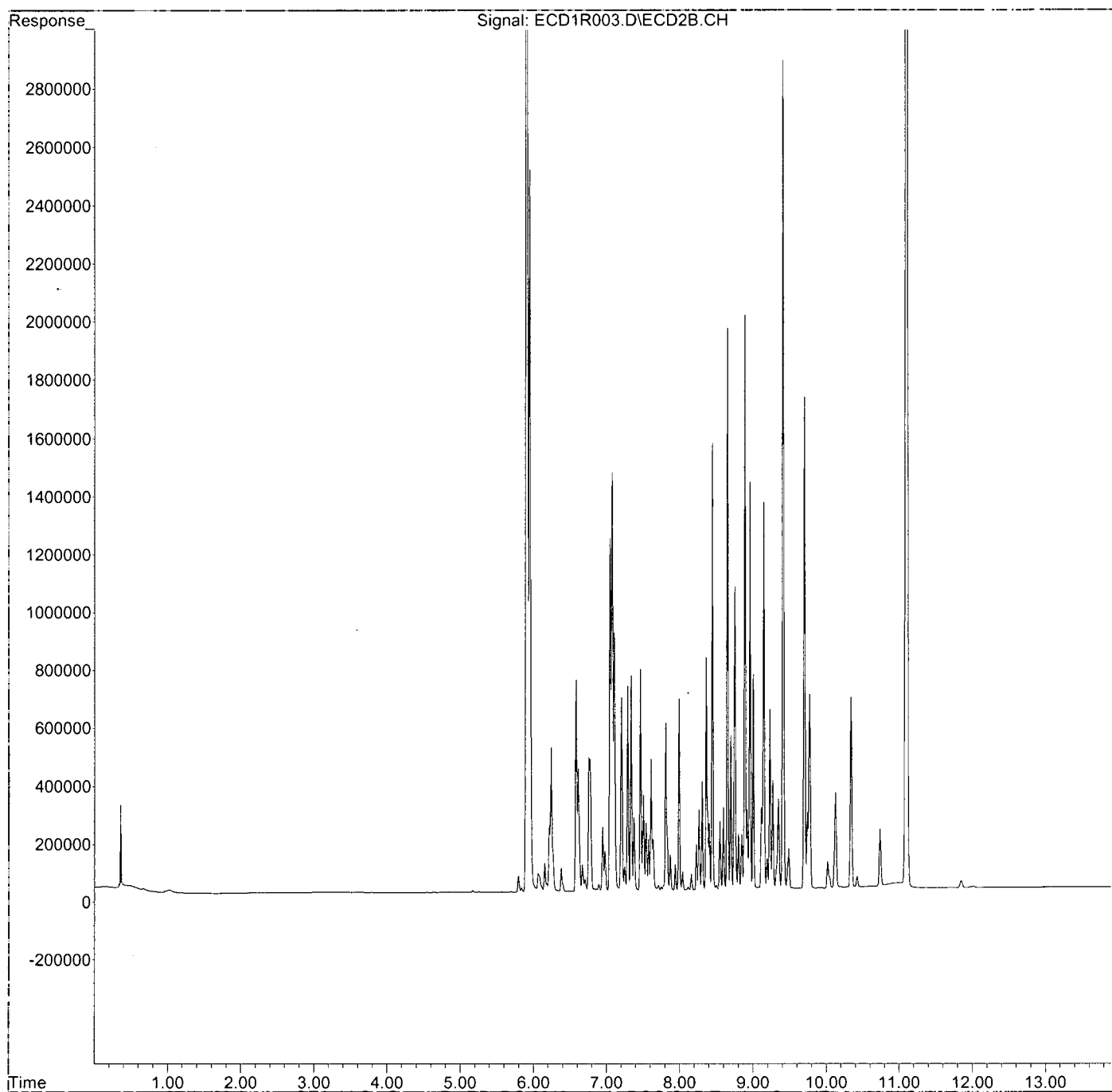
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 1:27 pm
Operator : MJB / KAK
Sample : 0F06002-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 07:57:55 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT7.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R004.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:45 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:04:45 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.906	4700455	91.968 ng/ml
62) S DCBP (S)	11.101	2627935	101.891 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.527f	456	0.289 ng/ml
3) Aroclor 1016 (2)	7.057	581	0.204 ng/ml
4) Aroclor 1016 (3)	7.203	735	0.541 ng/ml
5) Aroclor 1016 (4)	7.250	559	0.414 ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D. ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D. ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.103f	3291	8.342 ng/ml
10) Aroclor 1221 (2)	6.103f	3291	8.435 ng/ml
11) Aroclor 1221 (3)	6.245	30018	23.451 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.245	30018	29.317 ng/ml
14) Aroclor 1232 (2)	6.527f	456	0.736 ng/ml
15) Aroclor 1232 (3)	7.057	581	0.509 ng/ml
16) Aroclor 1232 (4)	7.203	735	1.363 ng/ml
17) Aroclor 1232 (5)	7.250	559	1.296 ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.527f	456	0.392 ng/ml
21) Aroclor 1242 (2)	7.057	581	0.279 ng/ml
22) Aroclor 1242 (3)	7.203	735	0.748 ng/ml
23) Aroclor 1242 (4)	7.250	559	0.613 ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.057	581	0.454 ng/ml
28) Aroclor 1248 (2)	7.250	559	0.341 ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	8.002	586	0.294 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	8.002	586	0.165 ng/ml
36) Aroclor 1254 (3)	8.264f	1774	0.467 ng/ml
37) Aroclor 1254 (4)	8.562	511	0.180 ng/ml
38) Aroclor 1254 (5)	8.864	4814	1.640 ng/ml
39) Aroclor 1254 (6)	9.134	1096	1.315 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.449	545	0.188 ng/ml
42) Aroclor 1260 (2)	8.648	1814	0.515 ng/ml
43) Aroclor 1260 (3)	8.864	4814	1.321 ng/ml
44) Aroclor 1260 (4)	9.413	574	0.109 ng/ml

Data Path : I:\DATA\0F06002\
 Data File : ECD1R004.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:45 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:04:45 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.707	2000	0.647 ng/ml
46) Aroclor 1260 (6)	10.343	979	0.810 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.648	1814	0.665 ng/ml
49) Aroclor 1262 (2)	8.960	712	0.190 ng/ml
50) Aroclor 1262 (3)	9.134	1096	0.403 ng/ml
51) Aroclor 1262 (4)	9.413	574	0.098 ng/ml
52) Aroclor 1262 (5)	9.707	2000	0.567 ng/ml
53) Aroclor 1262 (6)	10.343	979	0.611 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.200	1766	1.092 ng/ml
56) Aroclor 1268 (2)	9.707	2000	0.298 ng/ml
57) Aroclor 1268 (3)	9.775	1392	0.255 ng/ml
58) Aroclor 1268 (4)	10.023	41627	8.749 ng/ml
59) Aroclor 1268 (5)	10.343	979	0.504 ng/ml
60) Aroclor 1268 (6)	10.743	33198	2.769 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

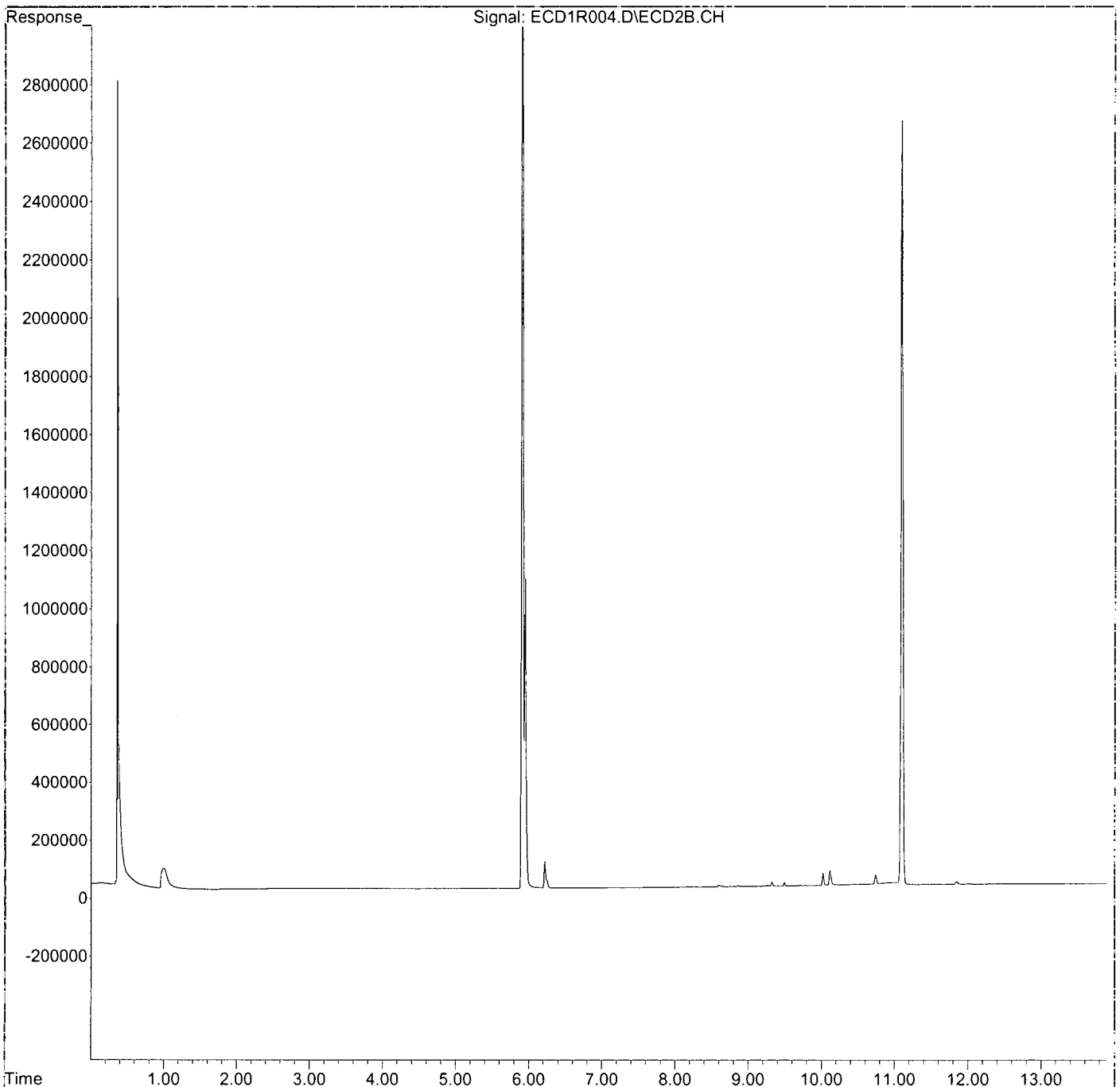
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 1:45 pm
Operator : MJB / KAK
Sample : 0F06002-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:04:45 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT7.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R007.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:12 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:17:10 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*Updated
 R.T.
 6/18/20*

6/11/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.902	11390401	222.862 ng/ml
62) S DCBP (S)	11.082	6869221	266.337 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.577	759760	481.588 ng/ml
3) Aroclor 1016 (2)	7.071	1508116	529.316 ng/ml
4) Aroclor 1016 (3)	7.201	719960	530.554 ng/ml
5) Aroclor 1016 (4)	7.286	713738	528.400 ng/ml
6) Aroclor 1016 (5)	7.333	790148	530.238 ng/ml
7) Aroclor 1016 (6)	7.460	800290	532.955 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.062	72039	182.612 ng/ml
10) Aroclor 1221 (2)	6.150	102574	262.942 ng/ml
11) Aroclor 1221 (3)	6.238	521835	407.669 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.238	521835	509.652 ng/ml
14) Aroclor 1232 (2)	6.577	759760	1225.296 ng/ml
15) Aroclor 1232 (3)	7.071	1508116	1322.507 ng/ml
16) Aroclor 1232 (4)	7.201	719960	1336.303 ng/ml
17) Aroclor 1232 (5)	7.286	713738	1654.200 ng/ml
18) Aroclor 1232 (6)	7.460	800290	1528.549 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.577	759760	652.630 ng/ml
21) Aroclor 1242 (2)	7.071	1508116	723.756 ng/ml
22) Aroclor 1242 (3)	7.201	719960	733.001 ng/ml
23) Aroclor 1242 (4)	7.286	713738	782.387 ng/ml
24) Aroclor 1242 (5)	7.333	790148	743.380 ng/ml
25) Aroclor 1242 (6)	7.460	800290	740.515 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.043	1289774	1008.946 ng/ml
28) Aroclor 1248 (2)	7.286	713738	435.144 ng/ml
29) Aroclor 1248 (3)	7.333	790148	507.148 ng/ml
30) Aroclor 1248 (4)	7.460	800290	430.340 ng/ml
31) Aroclor 1248 (5)	7.806	586930	247.362 ng/ml
32) Aroclor 1248 (6)	7.987	682063	341.716 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.806	586930	249.789 ng/ml
35) Aroclor 1254 (2)	7.987	682063	191.903 ng/ml
36) Aroclor 1254 (3)	8.303	384043	101.054 ng/ml
37) Aroclor 1254 (4)	8.543	252711	89.044 ng/ml
38) Aroclor 1254 (5)	8.882	2044328	696.361 ng/ml
39) Aroclor 1254 (6)	9.109	280625	336.838 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.440	1621671	560.120 ng/ml
42) Aroclor 1260 (2)	8.646	2031877	577.208 ng/ml
43) Aroclor 1260 (3)	8.882	2044328	560.969 ng/ml
44) Aroclor 1260 (4)	9.402	3066299	584.013 ng/ml

Data Path : I:\DATA\0F06002\
 Data File : ECD1R007.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:12 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:17:10 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.693	1771894	572.858 ng/ml
46) Aroclor 1260 (6)	10.327	661929	547.715 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.646	2031877	744.858 ng/ml
49) Aroclor 1262 (2)	8.951	1414552	376.958 ng/ml
50) Aroclor 1262 (3)	9.141	1378918	506.741 ng/ml
51) Aroclor 1262 (4)	9.402	3066299	524.058 ng/ml
52) Aroclor 1262 (5)	9.693	1771894	501.996 ng/ml
53) Aroclor 1262 (6)	10.327	661929	413.447 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.187	112114	69.323 ng/ml
56) Aroclor 1268 (2)	9.693	1771894	264.178 ng/ml
57) Aroclor 1268 (3)	9.764	705521	129.374 ng/ml
58) Aroclor 1268 (4)	10.011	92082	19.354 ng/ml
59) Aroclor 1268 (5)	10.327	661929	341.017 ng/ml
60) Aroclor 1268 (6)	10.725	194346	16.212 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

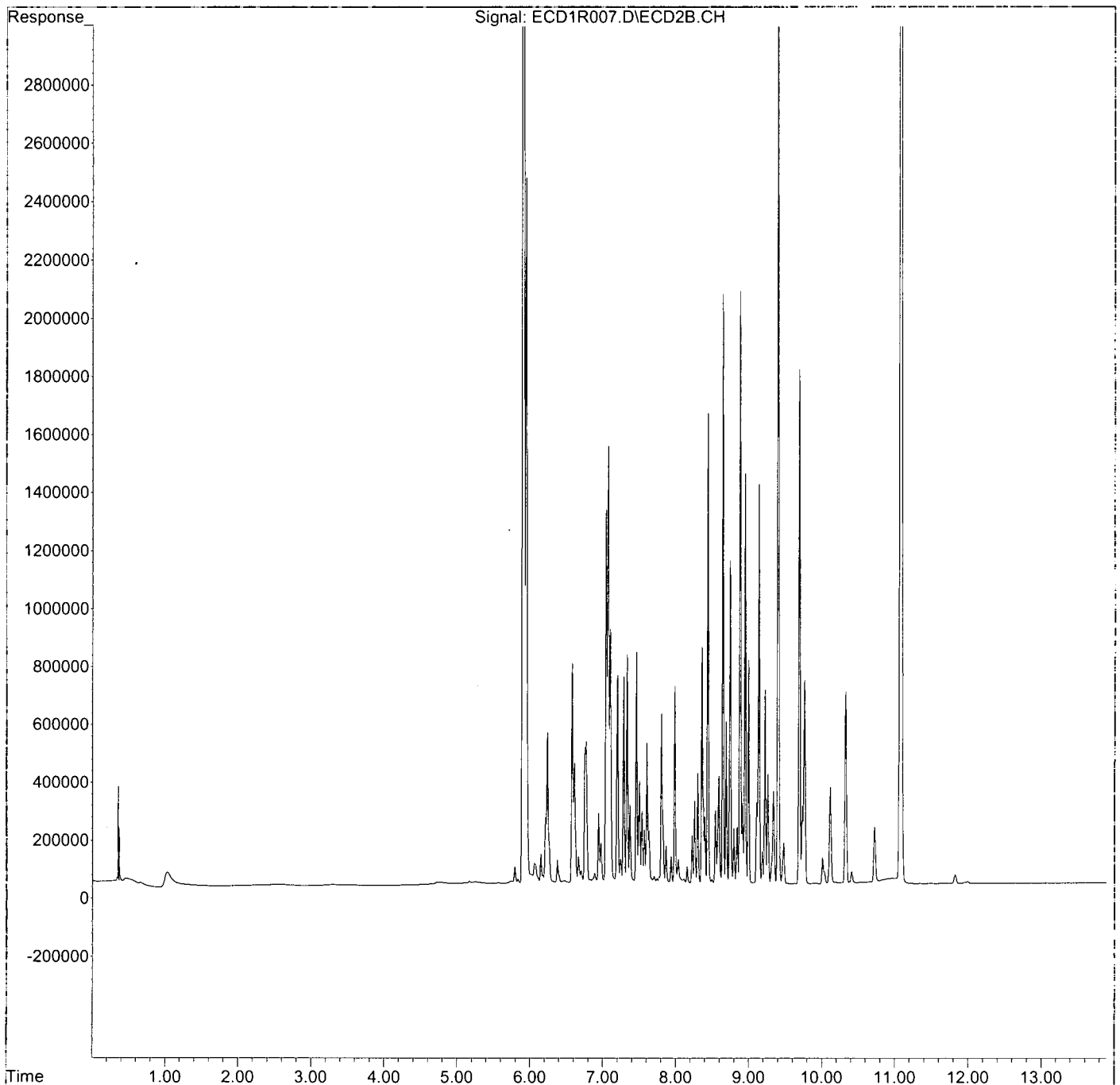
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:12 pm
Operator : MJB / KAK
Sample : 0F06002-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:17:10 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R008.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:30 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:05:48 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 6/11/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.904	5115294	100.085 ng/ml
62) S DCBP (S)	11.085	2866874	111.156 ng/ml

Target Compounds	R.T.	Response	Conc Units
2) Aroclor 1016 (1)	6.580	5187	3.288 ng/ml
3) Aroclor 1016 (2)	7.072	11235	3.943 ng/ml
4) Aroclor 1016 (3)	7.200	11475	8.456 ng/ml
5) Aroclor 1016 (4)	7.305	12399	9.179 ng/ml
6) Aroclor 1016 (5)	7.334	11363	7.626 ng/ml
7) Aroclor 1016 (6)	7.461	11256	7.496 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.034	22373	56.712 ng/ml
10) Aroclor 1221 (2)	6.182	4282	10.977 ng/ml
11) Aroclor 1221 (3)	6.215	100618	78.605 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.215	100618	98.269 ng/ml
14) Aroclor 1232 (2)	6.580	5187	8.366 ng/ml
15) Aroclor 1232 (3)	7.072	11235	9.852 ng/ml
16) Aroclor 1232 (4)	7.200	11475	21.298 ng/ml
17) Aroclor 1232 (5)	7.305	12399	28.737 ng/ml
18) Aroclor 1232 (6)	7.461	11256	21.499 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.580	5187	4.456 ng/ml
21) Aroclor 1242 (2)	7.072	11235	5.392 ng/ml
22) Aroclor 1242 (3)	7.200	11475	11.682 ng/ml
23) Aroclor 1242 (4)	7.305	12399	13.592 ng/ml
24) Aroclor 1242 (5)	7.334	11363	10.691 ng/ml
25) Aroclor 1242 (6)	7.461	11256	10.415 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.041	10391	8.128 ng/ml
28) Aroclor 1248 (2)	7.305	12399	7.559 ng/ml
29) Aroclor 1248 (3)	7.334	11363	7.293 ng/ml
30) Aroclor 1248 (4)	7.461	11256	6.053 ng/ml
31) Aroclor 1248 (5)	7.859	8247	3.476 ng/ml
32) Aroclor 1248 (6)	7.961	7932	3.974 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.797	8846	3.765 ng/ml
35) Aroclor 1254 (2)	7.961	7932	2.232 ng/ml
36) Aroclor 1254 (3)	8.310	4507	1.186 ng/ml
37) Aroclor 1254 (4)	8.540	2745	0.967 ng/ml
38) Aroclor 1254 (5)	8.897	1810	0.617 ng/ml
39) Aroclor 1254 (6)	9.099	735	0.882 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.448	3910	1.351 ng/ml
42) Aroclor 1260 (2)	8.583f	150459	42.742 ng/ml
43) Aroclor 1260 (3)	8.897	1810	0.497 ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D. ng/ml

N.P.M.
 N.P.M.

Data Path : I:\DATA\0F06002\
 Data File : ECD1R008.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:30 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:05:48 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.697	1697	0.548 ng/ml
46) Aroclor 1260 (6)	10.328	811	0.671 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.583f	150459	55.156 ng/ml
49) Aroclor 1262 (2)	8.947	1648	0.439 ng/ml
50) Aroclor 1262 (3)	9.142	1259	0.463 ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	9.697	1697	0.481 ng/ml
53) Aroclor 1262 (6)	10.328	811	0.507 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.191	3165	1.957 ng/ml
56) Aroclor 1268 (2)	9.697	1697	0.253 ng/ml
57) Aroclor 1268 (3)	9.762	1004	0.184 ng/ml
58) Aroclor 1268 (4)	10.013	34161	7.180 ng/ml
59) Aroclor 1268 (5)	10.328	811	0.418 ng/ml
60) Aroclor 1268 (6)	10.728	28581	2.384 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

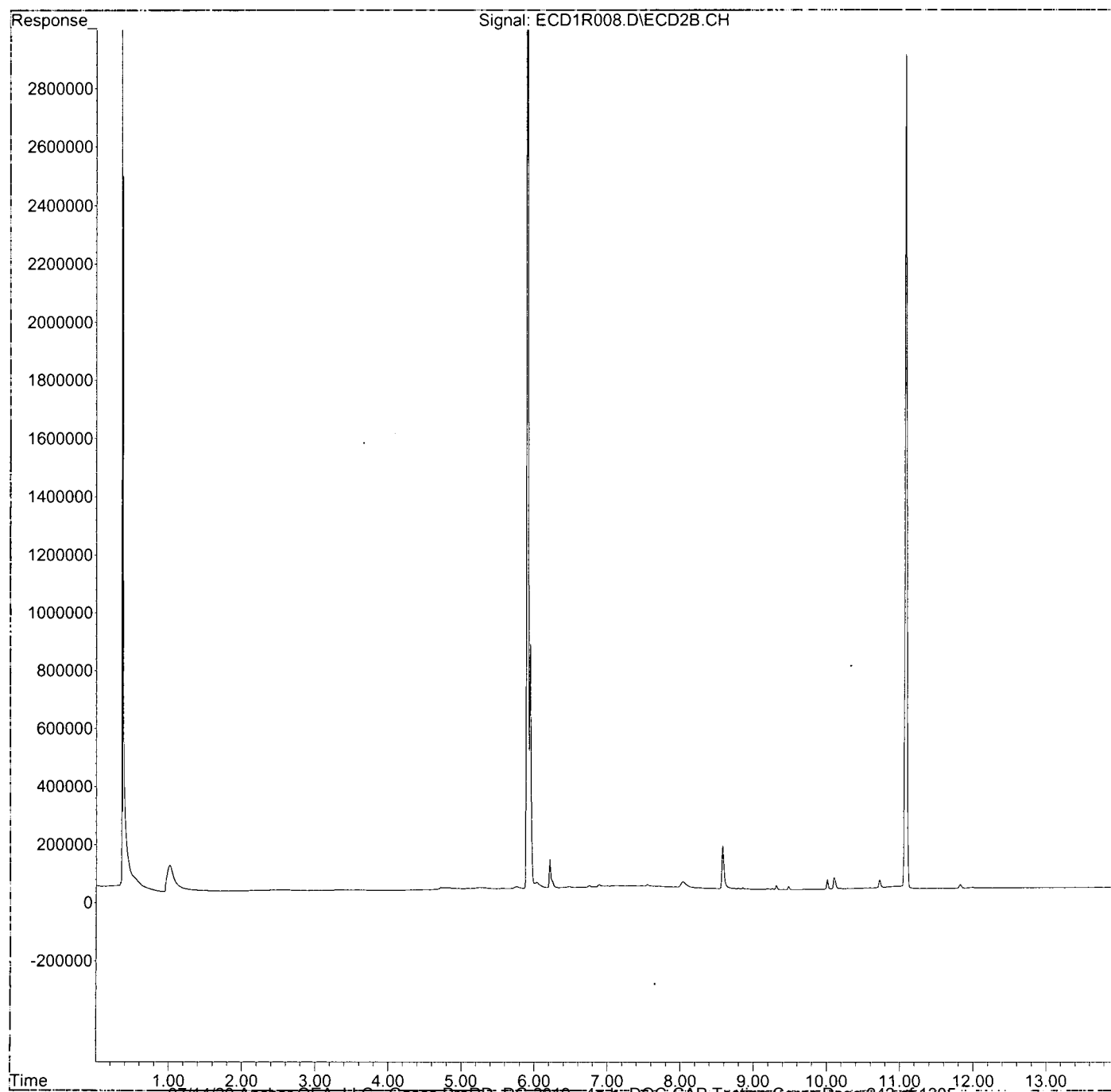
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:30 pm
Operator : MJB / KAK
Sample : 0F06002-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:05:48 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:48 pm
 Operator : MJB / KAK
 Sample : A0E0668-03
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 11 10:53:25 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Handwritten: 1260

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.905	6330737	123.866 ng/ml
62) S DCBP (S)	11.082	3175865	123.136 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.572	12840	8.139 ng/mlm
3) Aroclor 1016 (2)	7.086	52034	18.263 ng/ml
4) Aroclor 1016 (3)	7.203	20826	15.347 ng/ml
5) Aroclor 1016 (4)	7.307	938001	694.429 ng/ml
6) Aroclor 1016 (5)	7.307	938001	629.456 ng/ml
7) Aroclor 1016 (6)	7.459	40186	26.762 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.030	12009	30.442 ng/mlm
10) Aroclor 1221 (2)	6.167	1784	4.573 ng/ml
11) Aroclor 1221 (3)	6.216	110642	86.436 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.216	110642	108.059 ng/ml
14) Aroclor 1232 (2)	6.570	14148	22.816 ng/mlm
15) Aroclor 1232 (3)	7.086	52034	45.630 ng/ml
16) Aroclor 1232 (4)	7.203	20826	38.655 ng/ml
17) Aroclor 1232 (5)	7.307	938001	2173.967 ng/ml
18) Aroclor 1232 (6)	7.459	40186	76.754 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.567	19526	16.772 ng/mlm
21) Aroclor 1242 (2)	7.086	52034	24.971 ng/ml
22) Aroclor 1242 (3)	7.203	20826	21.203 ng/ml
23) Aroclor 1242 (4)	7.307	938001	1028.222 ng/ml
24) Aroclor 1242 (5)	7.307	938001	882.482 ng/ml
25) Aroclor 1242 (6)	7.459	40186	37.184 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.043	23557	18.428 ng/ml
28) Aroclor 1248 (2)	7.307	938001	571.871 ng/ml
29) Aroclor 1248 (3)	7.307	938001	602.045 ng/ml
30) Aroclor 1248 (4)	7.459	40186	21.609 ng/ml
31) Aroclor 1248 (5)	7.829	54417	22.934 ng/ml
32) Aroclor 1248 (6)	7.994	225770	113.111 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.807	83062	35.350 ng/ml
35) Aroclor 1254 (2)	7.994	225770	63.522 ng/ml
36) Aroclor 1254 (3)	8.287	324154	85.295 ng/ml
37) Aroclor 1254 (4)	8.563	510173	179.763 ng/ml
38) Aroclor 1254 (5)	8.881	158202	53.888 ng/ml
39) Aroclor 1254 (6)	9.110	111821	134.220 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.430	300562	103.813 ng/ml
42) Aroclor 1260 (2)	8.646	183017	51.991 ng/ml
43) Aroclor 1260 (3)	8.881	158202	43.411 ng/ml
44) Aroclor 1260 (4)	9.404	141242	26.901 ng/ml

Handwritten: ↑ MDL

Handwritten: R-02

Handwritten: 23.51Z

Data Path : I:\DATA\0F06002\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:48 pm
 Operator : MJB / KAK
 Sample : A0E0668-03
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 11 10:53:25 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.693	77030	24.904	ng/ml
46)	Aroclor 1260 (6)	10.325	22638	18.732	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.646	183017	67.092	ng/ml
49)	Aroclor 1262 (2)	8.951	128304	34.191	ng/ml
50)	Aroclor 1262 (3)	9.141	70884	26.049	ng/ml
51)	Aroclor 1262 (4)	9.404	141242	24.139	ng/ml
52)	Aroclor 1262 (5)	9.693	77030	21.823	ng/ml
53)	Aroclor 1262 (6)	10.325	22638	14.140	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	9.177	42609	26.346	ng/mlm
56)	Aroclor 1268 (2)	9.693	77030	11.485	ng/ml
57)	Aroclor 1268 (3)	9.765	37133	6.809	ng/ml
58)	Aroclor 1268 (4)	10.010	56584	11.893	ng/ml
59)	Aroclor 1268 (5)	10.325	22638	11.663	ng/ml
60)	Aroclor 1268 (6)	10.724	114711	9.569	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

↑ MDL

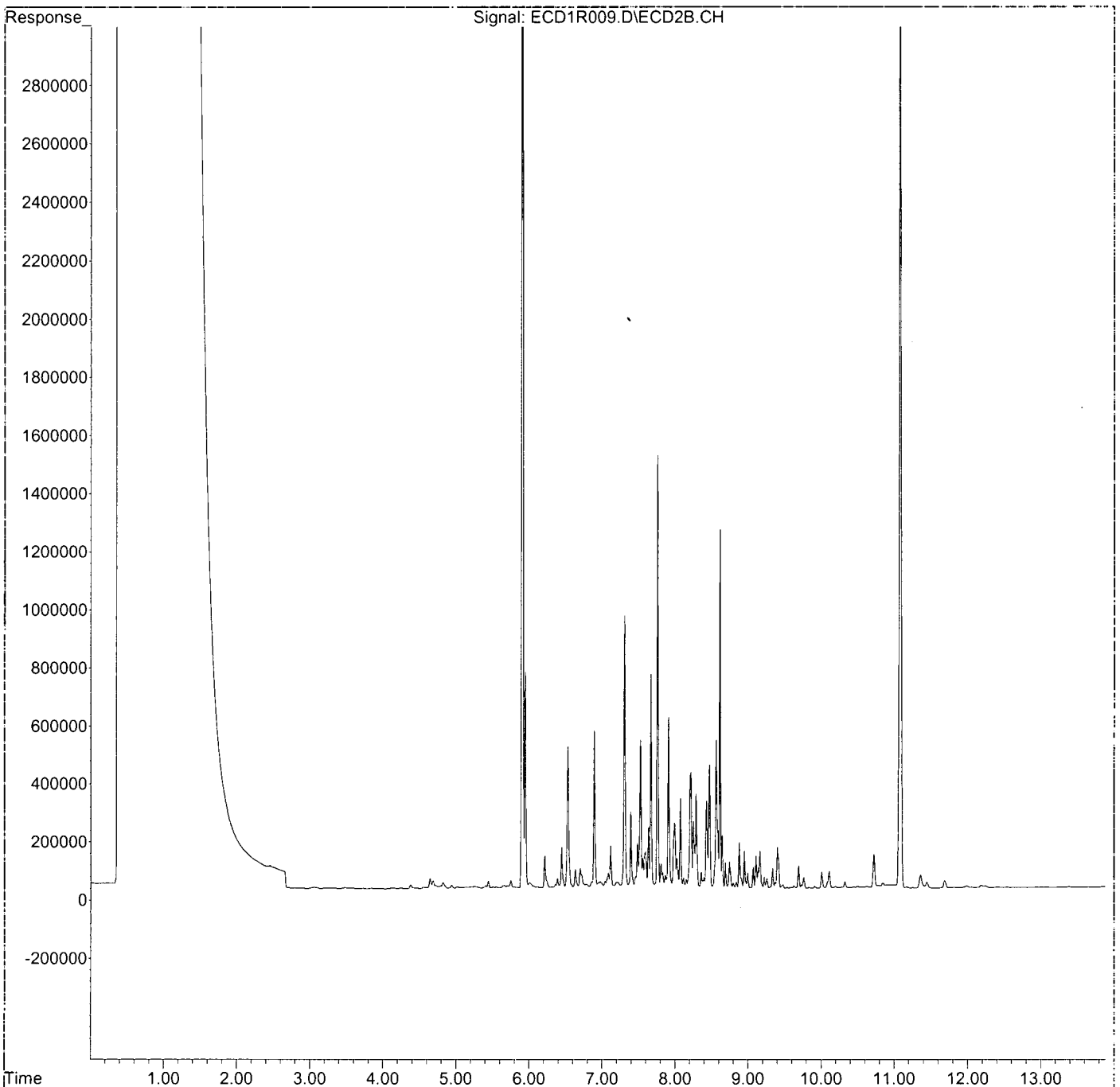
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:48 pm
Operator : MJB / KAK
Sample : A0E0668-03
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 11 10:53:25 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

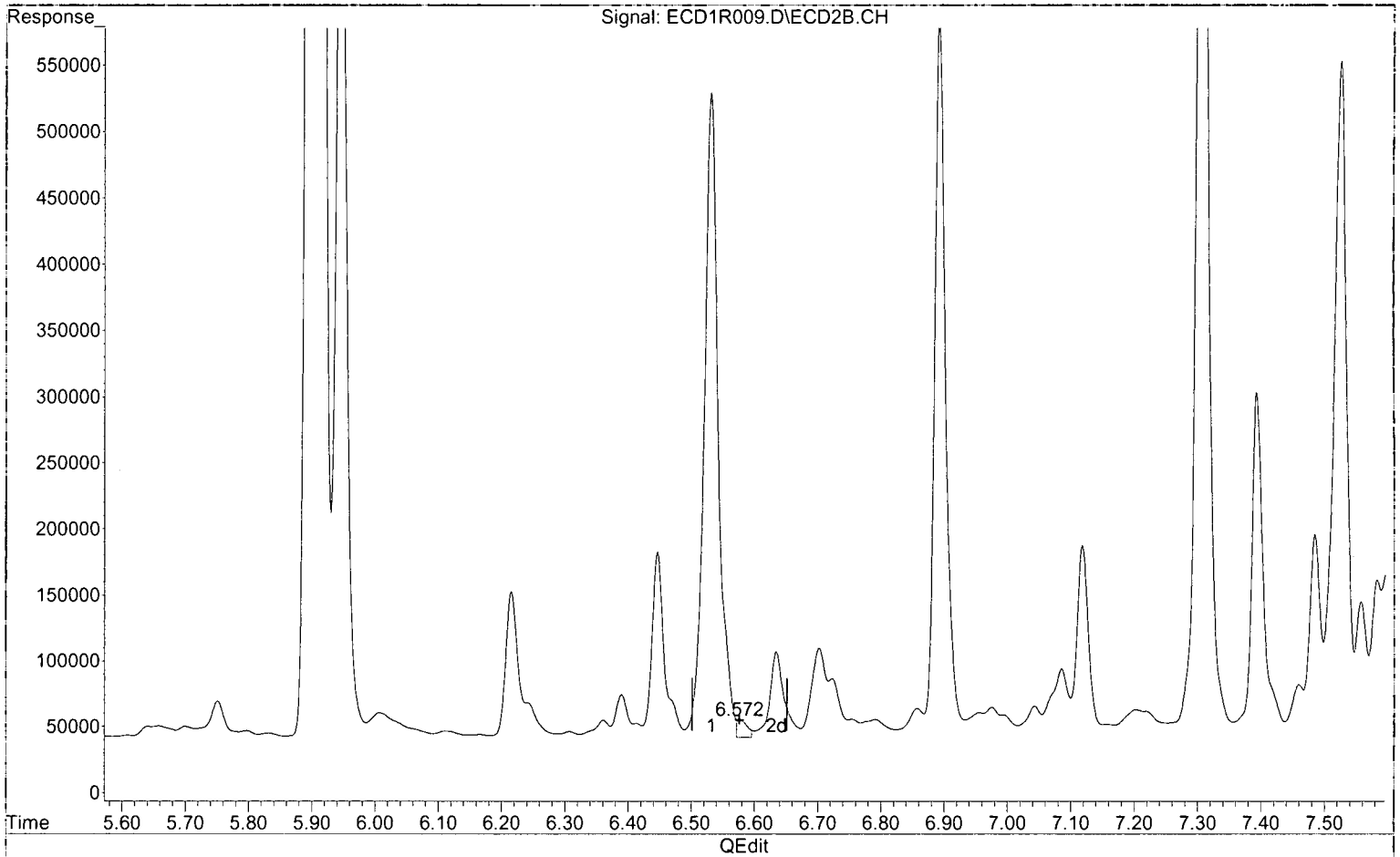


Quantitation Report (Qedit)

Data Path : I:\DATA\0F06002\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:48 pm
Operator : MJB / KAK
Sample : A0E0668-03
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:06:05 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1µL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(2) Aroclor 1016 (1)

6.572min 8.139 ng/ml (m)

response 12840

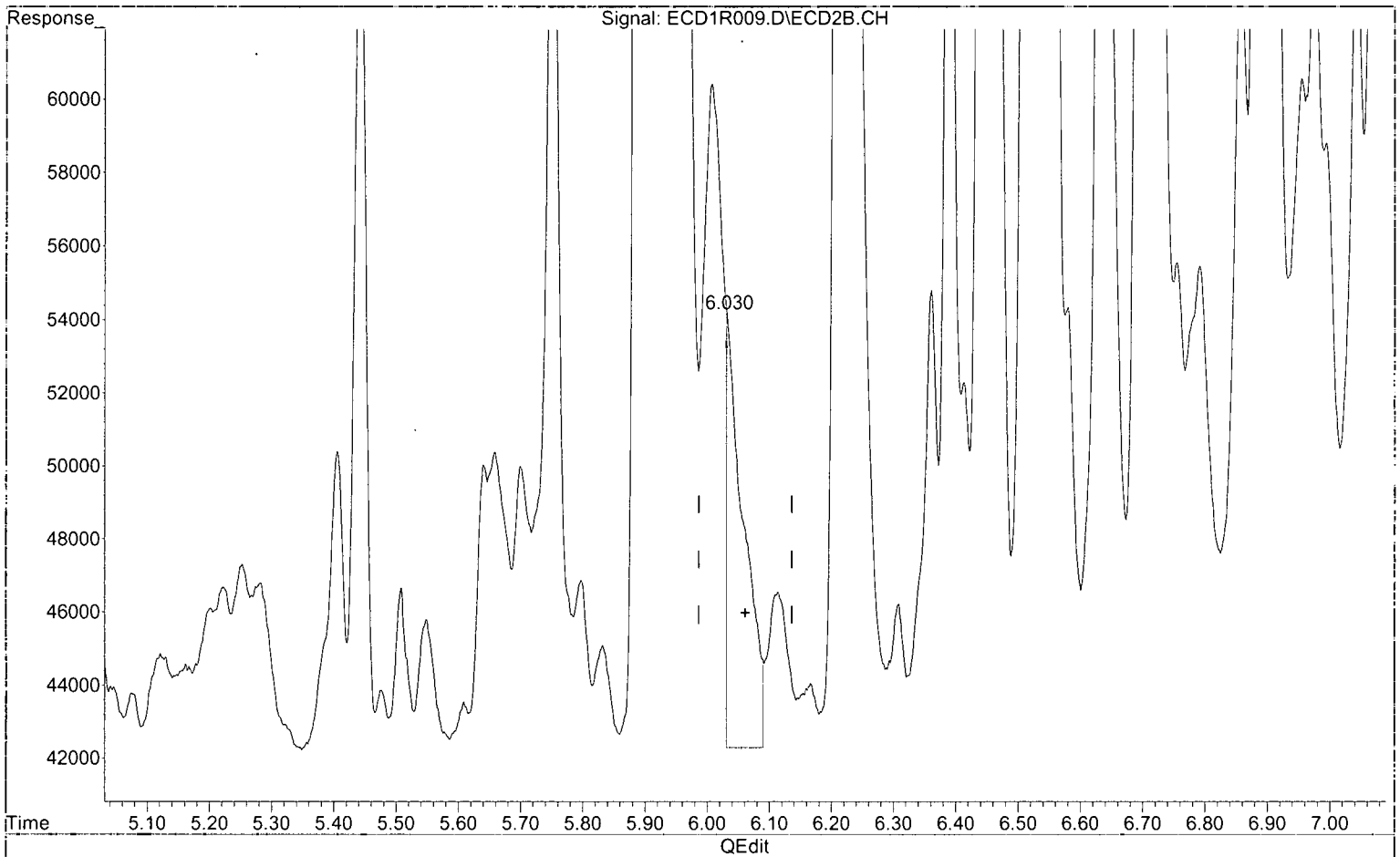
MJB
6/11/20

Quantitation Report (Qedit)

Data Path : I:\DATA\F06002\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:48 pm
Operator : MJB / KAK
Sample : A0E0668-03
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:06:05 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(9) Aroclor 1221 (1)
6.030min 30.442 ng/ml
response 12009

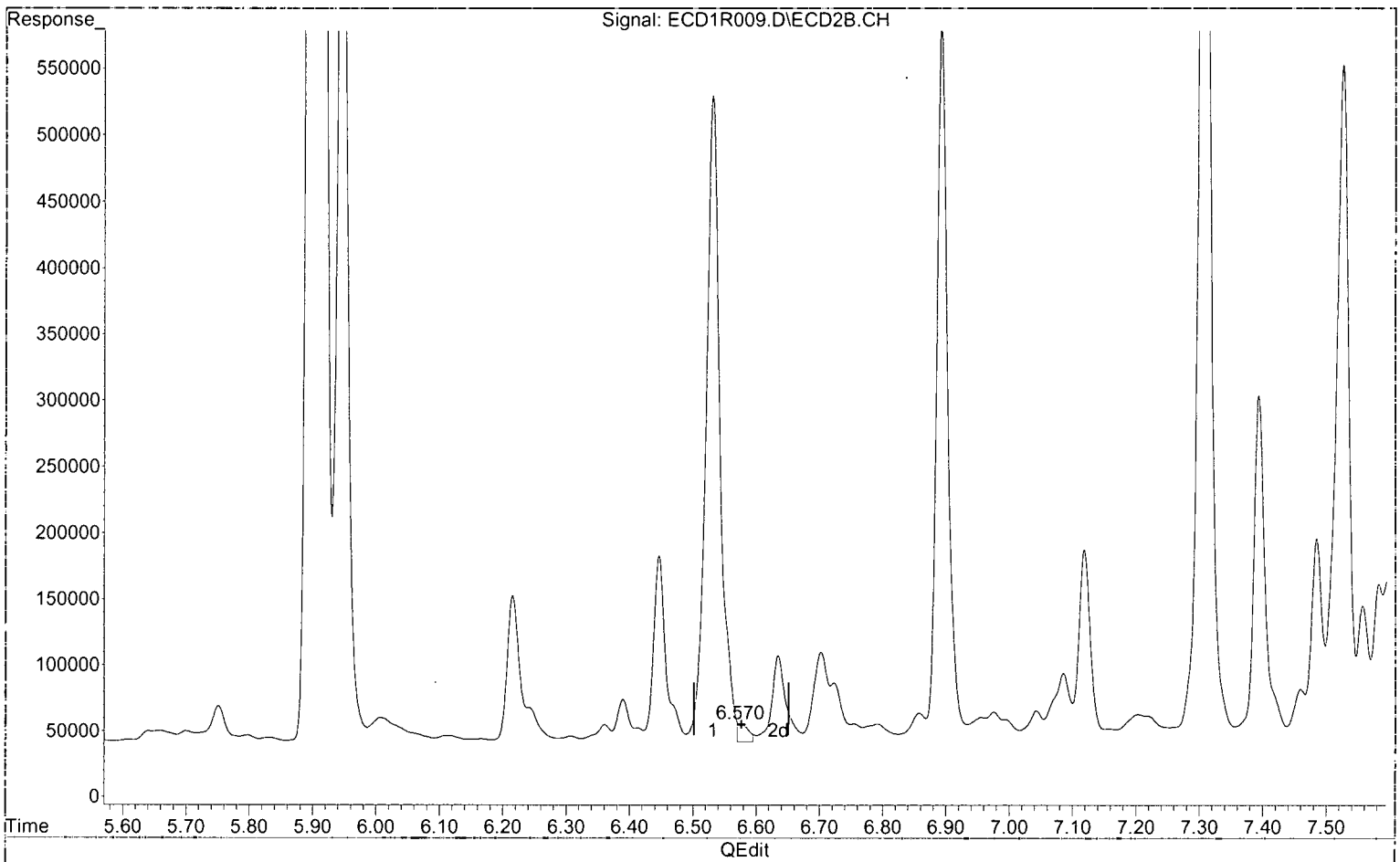
[Handwritten signature]
6/11/20

Quantitation Report (Qedit)

Data Path : I:\DATA\0F06002\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:48 pm
Operator : MJB / KAK
Sample : A0E0668-03
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:06:05 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(14) Aroclor 1232 (2)

6.570min 22.816 ng/ml

response 14148

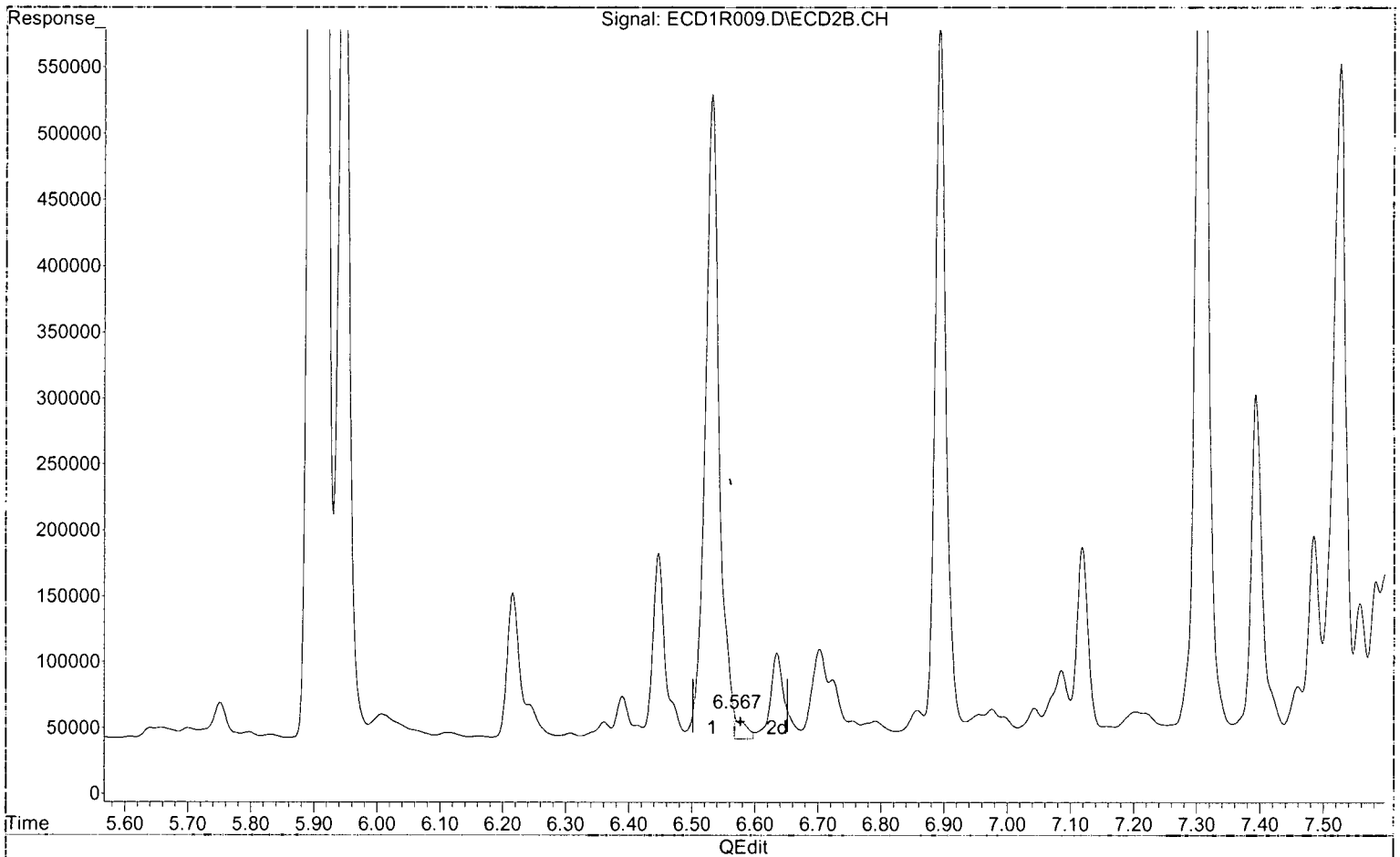
[Handwritten signature]
6/11/20

Quantitation Report (Qedit)

Data Path : I:\DATA\0F06002\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:48 pm
Operator : MJB / KAK
Sample : A0E0668-03
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:06:05 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(20) Aroclor 1242 (1)

6.567min 16.772 ng/m³

response 19526

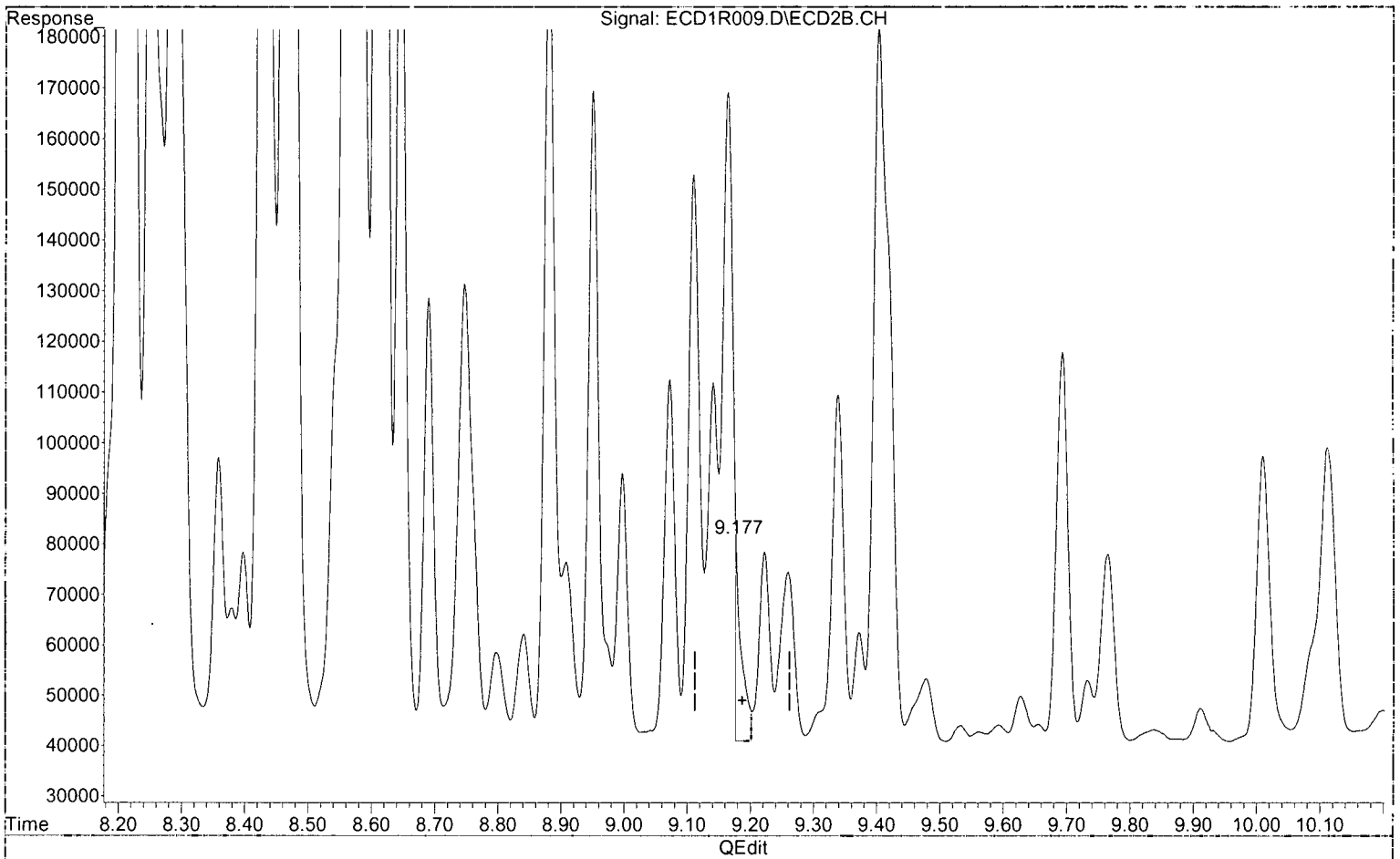
MJB
6/11/20

Quantitation Report (Qedit)

Data Path : I:\DATA\0F06002\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:48 pm
Operator : MJB / KAK
Sample : A0E0668-03
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:06:05 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(55) Aroclor 1268 (1)

9.177min 26.346 ng/ml

response 42609

Handwritten signature and date: 6/11/20

Data Path : I:\DATA\0F06002\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:48 pm
 Operator : MJB / KAK
 Sample : A0E0668-03
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:06:05 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

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 6/11/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.905	6330737	123.866 ng/ml
62) S DCBP (S)	11.082	3175865	123.136 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.531f	487384	308.937 ng/ml
3) Aroclor 1016 (2)	7.086	52034	18.263 ng/ml
4) Aroclor 1016 (3)	7.203	20826	15.347 ng/ml
5) Aroclor 1016 (4)	7.307	938001	694.429 ng/ml
6) Aroclor 1016 (5)	7.307	938001	629.456 ng/ml
7) Aroclor 1016 (6)	7.459	40186	26.762 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.113f	4277	10.841 ng/ml
10) Aroclor 1221 (2)	6.167	1784	4.573 ng/ml
11) Aroclor 1221 (3)	6.216	110642	86.436 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.216	110642	108.059 ng/ml
14) Aroclor 1232 (2)	6.531f	487384	786.024 ng/ml
15) Aroclor 1232 (3)	7.086	52034	45.630 ng/ml
16) Aroclor 1232 (4)	7.203	20826	38.655 ng/ml
17) Aroclor 1232 (5)	7.307	938001	2173.967 ng/ml
18) Aroclor 1232 (6)	7.459	40186	76.754 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.531f	487384	418.660 ng/ml
21) Aroclor 1242 (2)	7.086	52034	24.971 ng/ml
22) Aroclor 1242 (3)	7.203	20826	21.203 ng/ml
23) Aroclor 1242 (4)	7.307	938001	1028.222 ng/ml
24) Aroclor 1242 (5)	7.307	938001	882.482 ng/ml
25) Aroclor 1242 (6)	7.459	40186	37.184 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.043	23557	18.428 ng/ml
28) Aroclor 1248 (2)	7.307	938001	571.871 ng/ml
29) Aroclor 1248 (3)	7.307	938001	602.045 ng/ml
30) Aroclor 1248 (4)	7.459	40186	21.609 ng/ml
31) Aroclor 1248 (5)	7.829	54417	22.934 ng/ml
32) Aroclor 1248 (6)	7.994	225770	113.111 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.807	83062	35.350 ng/ml
35) Aroclor 1254 (2)	7.994	225770	63.522 ng/ml
36) Aroclor 1254 (3)	8.287	324154	85.295 ng/ml
37) Aroclor 1254 (4)	8.563	510173	179.763 ng/ml
38) Aroclor 1254 (5)	8.881	158202	53.888 ng/ml
39) Aroclor 1254 (6)	9.110	111821	134.220 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.430	300562	103.813 ng/ml
42) Aroclor 1260 (2)	8.646	183017	51.991 ng/ml
43) Aroclor 1260 (3)	8.881	158202	43.411 ng/ml
44) Aroclor 1260 (4)	9.404	141242	26.901 ng/ml

Data Path : I:\DATA\0F06002\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 3:48 pm
 Operator : MJB / KAK
 Sample : A0E0668-03
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:06:05 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.693	77030	24.904 ng/ml
46) Aroclor 1260 (6)	10.325	22638	18.732 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.646	183017	67.092 ng/ml
49) Aroclor 1262 (2)	8.951	128304	34.191 ng/ml
50) Aroclor 1262 (3)	9.141	70884	26.049 ng/ml
51) Aroclor 1262 (4)	9.404	141242	24.139 ng/ml
52) Aroclor 1262 (5)	9.693	77030	21.823 ng/ml
53) Aroclor 1262 (6)	10.325	22638	14.140 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.165	128204	79.272 ng/ml
56) Aroclor 1268 (2)	9.693	77030	11.485 ng/ml
57) Aroclor 1268 (3)	9.765	37133	6.809 ng/ml
58) Aroclor 1268 (4)	10.010	56584	11.893 ng/ml
59) Aroclor 1268 (5)	10.325	22638	11.663 ng/ml
60) Aroclor 1268 (6)	10.724	114711	9.569 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

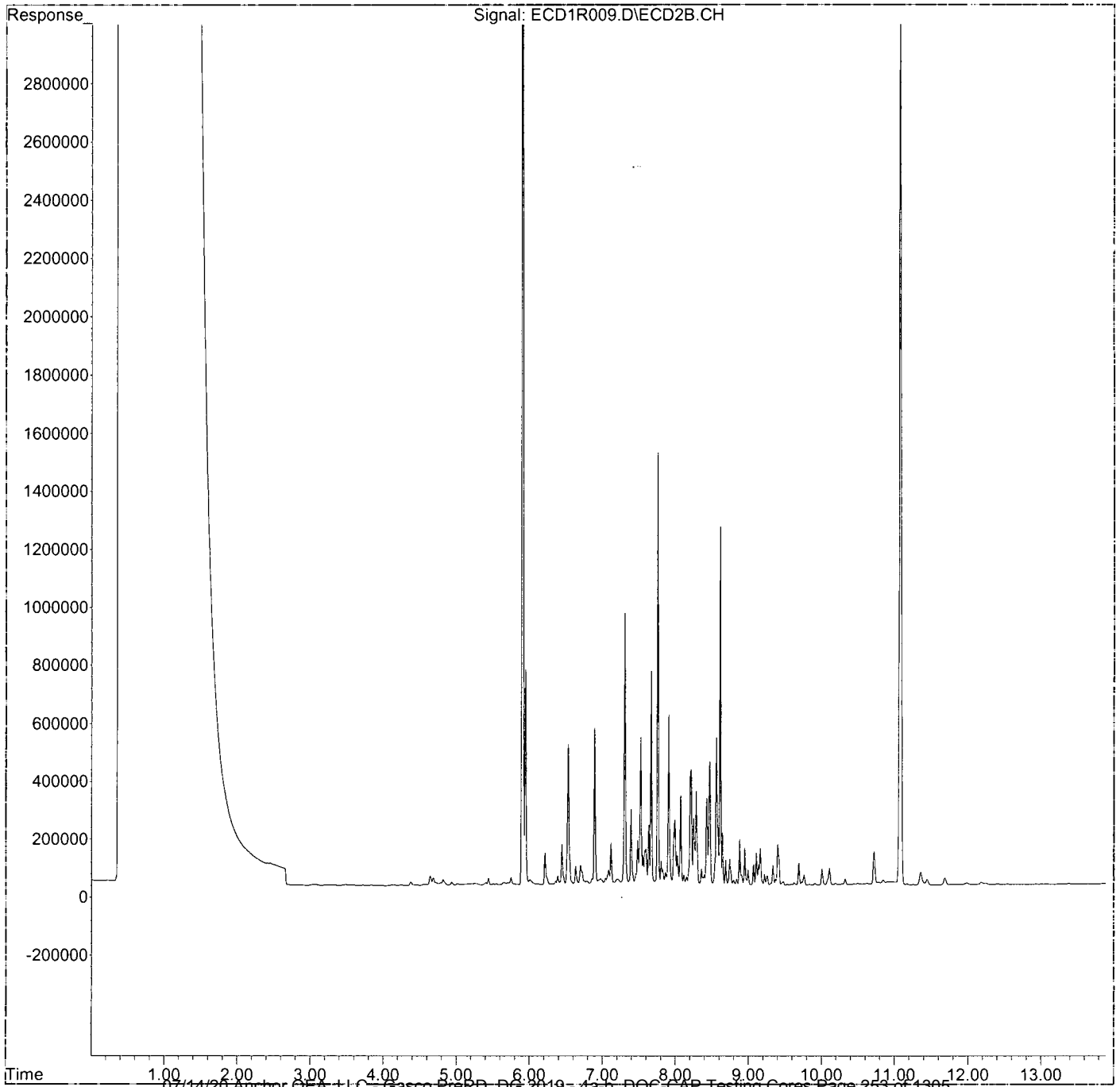
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0F06002\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 3:48 pm
Operator : MJB / KAK
Sample : A0E0668-03
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:06:05 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R023.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:04 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:08:06 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.906	12193207	238.570 ng/ml
62) S DCBP (S)	11.094	6543910	253.723 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.580	777460	492.808 ng/ml
3) Aroclor 1016 (2)	7.074	1655286	580.969 ng/ml
4) Aroclor 1016 (3)	7.204	756867	557.751 ng/ml
5) Aroclor 1016 (4)	7.290	736721	545.416 ng/ml
6) Aroclor 1016 (5)	7.336	801738	538.015 ng/ml
7) Aroclor 1016 (6)	7.464	833368	554.984 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.065	72106	182.780 ng/ml
10) Aroclor 1221 (2)	6.153	109411	280.469 ng/ml
11) Aroclor 1221 (3)	6.242	548963	428.861 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.242	548963	536.146 ng/ml
14) Aroclor 1232 (2)	6.580	777460	1253.842 ng/ml
15) Aroclor 1232 (3)	7.074	1655286	1451.565 ng/ml
16) Aroclor 1232 (4)	7.204	756867	1404.805 ng/ml
17) Aroclor 1232 (5)	7.290	736721	1707.468 ng/ml
18) Aroclor 1232 (6)	7.464	833368	1591.728 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.580	777460	667.834 ng/ml
21) Aroclor 1242 (2)	7.074	1655286	794.385 ng/ml
22) Aroclor 1242 (3)	7.204	756867	770.576 ng/ml
23) Aroclor 1242 (4)	7.290	736721	807.582 ng/ml
24) Aroclor 1242 (5)	7.336	801738	754.283 ng/ml
25) Aroclor 1242 (6)	7.464	833368	771.122 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.047	1284313	1004.674 ng/ml
28) Aroclor 1248 (2)	7.290	736721	449.157 ng/ml
29) Aroclor 1248 (3)	7.336	801738	514.586 ng/ml
30) Aroclor 1248 (4)	7.464	833368	448.128 ng/ml
31) Aroclor 1248 (5)	7.810	594246	250.445 ng/ml
32) Aroclor 1248 (6)	7.991	696984	349.191 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.810	594246	252.902 ng/ml
35) Aroclor 1254 (2)	7.991	696984	196.101 ng/ml
36) Aroclor 1254 (3)	8.307	385618	101.468 ng/ml
37) Aroclor 1254 (4)	8.548	243932	85.951 ng/ml
38) Aroclor 1254 (5)	8.887	1973958	672.391 ng/ml
39) Aroclor 1254 (6)	9.113	268880	322.740 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.444	1615340	557.933 ng/ml
42) Aroclor 1260 (2)	8.651	1971400	560.028 ng/ml
43) Aroclor 1260 (3)	8.887	1973958	541.659 ng/ml
44) Aroclor 1260 (4)	9.408	3068395	584.412 ng/ml

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Data Path : I:\DATA\0F06002\
 Data File : ECD1R023.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:04 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:08:06 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.700	1792518	579.526 ng/ml
46) Aroclor 1260 (6)	10.336	659339	545.572 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.651	1971400	722.688 ng/ml
49) Aroclor 1262 (2)	8.956	1451334	386.759 ng/ml
50) Aroclor 1262 (3)	9.146	1396714	513.280 ng/ml
51) Aroclor 1262 (4)	9.408	3068395	524.416 ng/ml
52) Aroclor 1262 (5)	9.700	1792518	507.839 ng/ml
53) Aroclor 1262 (6)	10.336	659339	411.830 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.193	105593	65.291 ng/ml
56) Aroclor 1268 (2)	9.700	1792518	267.253 ng/ml
57) Aroclor 1268 (3)	9.771	695324	127.504 ng/ml
58) Aroclor 1268 (4)	10.019	80220	16.861 ng/ml
59) Aroclor 1268 (5)	10.336	659339	339.683 ng/ml
60) Aroclor 1268 (6)	10.736	181434	15.135 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

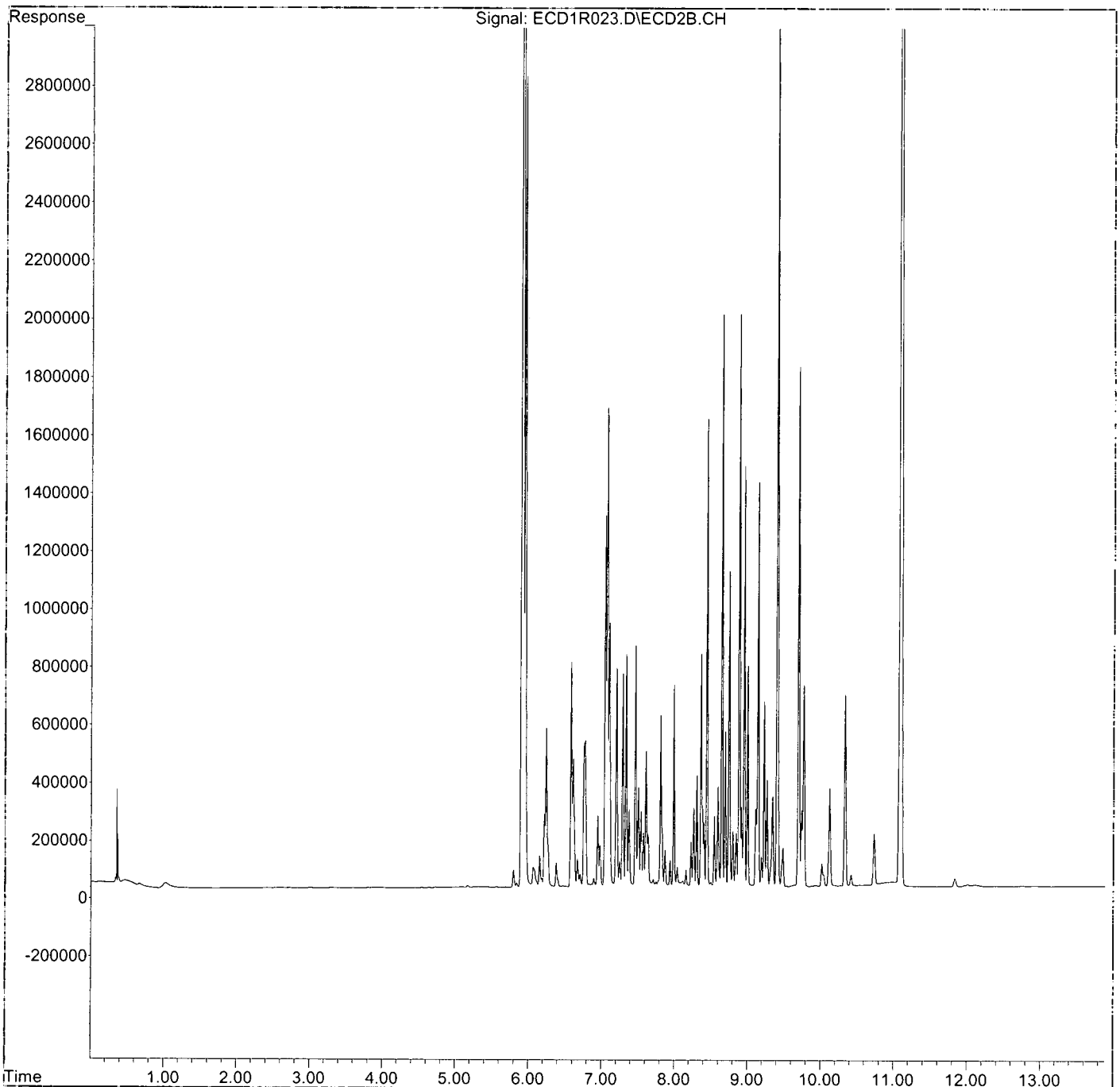
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 8:04 pm
Operator : MJB / KAK
Sample : 0F06002-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:08:06 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R024.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:22 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:08:22 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*6/12/20
Clean*

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.906	5441288	106.463 ng/ml
62) S DCBP (S)	11.092	2878701	111.614 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.608	953	0.604 ng/ml
3) Aroclor 1016 (2)	7.087	1291	0.453 ng/ml
4) Aroclor 1016 (3)	7.197	1538	1.133 ng/ml
5) Aroclor 1016 (4)	7.278	1077	0.797 ng/ml
6) Aroclor 1016 (5)	7.333	1293	0.868 ng/ml
7) Aroclor 1016 (6)	7.464	545	0.363 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.059	8373	21.226 ng/ml
10) Aroclor 1221 (2)	6.216f	111084	284.756 ng/ml
11) Aroclor 1221 (3)	6.216	111084	86.781 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.216	111084	108.490 ng/ml
14) Aroclor 1232 (2)	6.608	953	1.537 ng/ml
15) Aroclor 1232 (3)	7.087	1291	1.132 ng/ml
16) Aroclor 1232 (4)	7.197	1538	2.855 ng/ml
17) Aroclor 1232 (5)	7.278	1077	2.495 ng/ml
18) Aroclor 1232 (6)	7.464	545	1.042 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.608	953	0.818 ng/ml
21) Aroclor 1242 (2)	7.087	1291	0.620 ng/ml
22) Aroclor 1242 (3)	7.197	1538	1.566 ng/ml
23) Aroclor 1242 (4)	7.278	1077	1.180 ng/ml
24) Aroclor 1242 (5)	7.333	1293	1.216 ng/ml
25) Aroclor 1242 (6)	7.464	545	0.505 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.044	851	0.666 ng/ml
28) Aroclor 1248 (2)	7.278	1077	0.656 ng/ml
29) Aroclor 1248 (3)	7.333	1293	0.830 ng/ml
30) Aroclor 1248 (4)	7.464	545	0.293 ng/ml
31) Aroclor 1248 (5)	7.841	1068	0.450 ng/ml
32) Aroclor 1248 (6)	7.978	1100	0.551 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.803	963	0.410 ng/ml
35) Aroclor 1254 (2)	7.978	1100	0.309 ng/ml
36) Aroclor 1254 (3)	8.260f	1999	0.526 ng/ml
37) Aroclor 1254 (4)	8.594f	79793	28.115 ng/ml
38) Aroclor 1254 (5)	8.860	5308	1.808 ng/ml
39) Aroclor 1254 (6)	9.144	1227	1.473 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.443	988	0.341 ng/ml
42) Aroclor 1260 (2)	8.691f	3453	0.981 ng/ml
43) Aroclor 1260 (3)	8.860	5308	1.456 ng/ml
44) Aroclor 1260 (4)	9.395	739	0.141 ng/ml

Data Path : I:\DATA\0F06002\
 Data File : ECD1R024.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:22 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:08:22 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.700	1587	0.513 ng/ml
46) Aroclor 1260 (6)	10.332	697	0.576 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.691f	3453	1.266 ng/ml
49) Aroclor 1262 (2)	8.929	1864	0.497 ng/ml
50) Aroclor 1262 (3)	9.144	1227	0.451 ng/ml
51) Aroclor 1262 (4)	9.395	739	0.126 ng/ml
52) Aroclor 1262 (5)	9.700	1587	0.450 ng/ml
53) Aroclor 1262 (6)	10.332	697	0.435 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.195	3232	1.998 ng/ml
56) Aroclor 1268 (2)	9.700	1587	0.237 ng/ml
57) Aroclor 1268 (3)	9.770	1190	0.218 ng/ml
58) Aroclor 1268 (4)	10.017	31122	6.541 ng/ml
59) Aroclor 1268 (5)	10.332	697	0.359 ng/ml
60) Aroclor 1268 (6)	10.735	27290	2.276 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

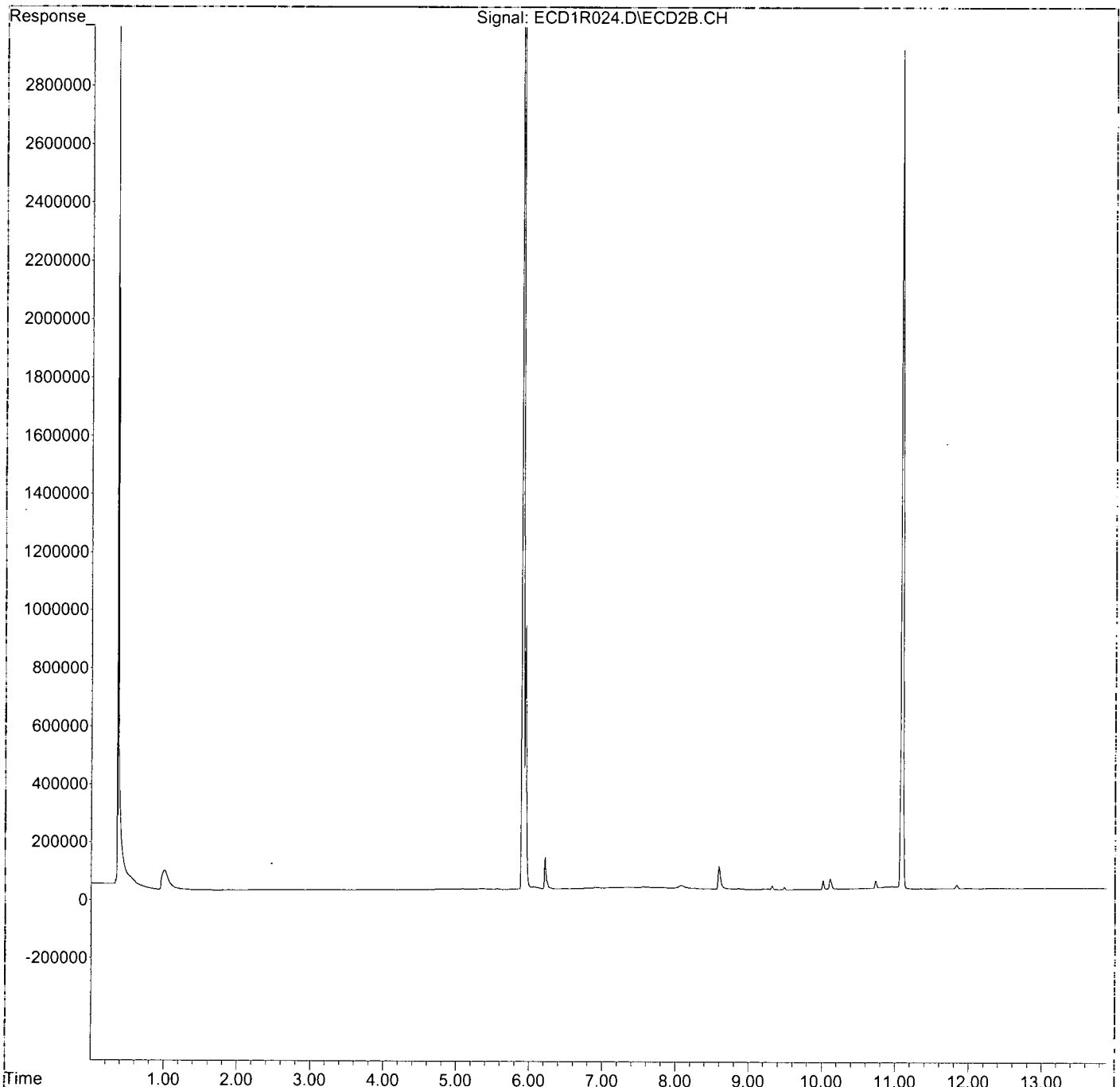
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R024.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 8:22 pm
Operator : MJB / KAK
Sample : 0F06002-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:08:22 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R035.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 11:42 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV4
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:10:06 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 6/15/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.900	13017601	254.700	ng/ml
62) S DCBP (S)	11.066	7007320	271.691	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.574	794675	503.719	ng/ml
3) Aroclor 1016 (2)	7.066	1686853	592.048	ng/ml
4) Aroclor 1016 (3)	7.195	752905	554.831	ng/ml
5) Aroclor 1016 (4)	7.281	794254	588.009	ng/ml
6) Aroclor 1016 (5)	7.327	860581	577.502	ng/ml
7) Aroclor 1016 (6)	7.454	881917	587.315	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.060	74752	189.488	ng/ml
10) Aroclor 1221 (2)	6.148	120808	309.683	ng/ml
11) Aroclor 1221 (3)	6.235	560291	437.711	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.235	560291	547.210	ng/ml
14) Aroclor 1232 (2)	6.574	794675	1281.605	ng/ml
15) Aroclor 1232 (3)	7.066	1686853	1479.247	ng/ml
16) Aroclor 1232 (4)	7.195	752905	1397.452	ng/ml
17) Aroclor 1232 (5)	7.281	794254	1840.808	ng/ml
18) Aroclor 1232 (6)	7.454	881917	1684.457	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.574	794675	682.622	ng/ml
21) Aroclor 1242 (2)	7.066	1686853	809.534	ng/ml
22) Aroclor 1242 (3)	7.195	752905	766.542	ng/ml
23) Aroclor 1242 (4)	7.281	794254	870.648	ng/ml
24) Aroclor 1242 (5)	7.327	860581	809.644	ng/ml
25) Aroclor 1242 (6)	7.454	881917	816.045	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.038	1411561	1104.216	ng/ml
28) Aroclor 1248 (2)	7.281	794254	484.233	ng/ml
29) Aroclor 1248 (3)	7.327	860581	552.354	ng/ml
30) Aroclor 1248 (4)	7.454	881917	474.234	ng/ml
31) Aroclor 1248 (5)	7.800	643494	271.201	ng/ml
32) Aroclor 1248 (6)	7.981	721825	361.637	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.800	643494	273.861	ng/ml
35) Aroclor 1254 (2)	7.981	721825	203.090	ng/ml
36) Aroclor 1254 (3)	8.296	399898	105.226	ng/ml
37) Aroclor 1254 (4)	8.536	258379	91.041	ng/ml
38) Aroclor 1254 (5)	8.875	2142607	729.837	ng/ml
39) Aroclor 1254 (6)	9.101	283400	340.168	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.433	1618197	558.920	ng/ml
42) Aroclor 1260 (2)	8.638	2117309	601.478	ng/ml
43) Aroclor 1260 (3)	8.875	2142607	587.937	ng/ml
44) Aroclor 1260 (4)	9.393	3151257	600.194	ng/ml

Handwritten: 0.000 N/A Rounds in

Data Path : I:\DATA\0F06002\
 Data File : ECD1R035.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 11:42 pm
 Operator : MJB / KAK
 Sample : 0F06002-CCV4
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:10:06 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.683	1866611	603.480 ng/ml
46) Aroclor 1260 (6)	10.314	717404	593.618 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.638	2117309	776.176 ng/ml
49) Aroclor 1262 (2)	8.944	1541317	410.739 ng/ml
50) Aroclor 1262 (3)	9.133	1439963	529.174 ng/ml
51) Aroclor 1262 (4)	9.393	3151257	538.578 ng/ml
52) Aroclor 1262 (5)	9.683	1866611	528.831 ng/ml
53) Aroclor 1262 (6)	10.314	717404	448.097 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.178	108466	67.067 ng/ml
56) Aroclor 1268 (2)	9.683	1866611	278.300 ng/ml
57) Aroclor 1268 (3)	9.753	738040	135.337 ng/ml
58) Aroclor 1268 (4)	9.999	86516	18.184 ng/ml
59) Aroclor 1268 (5)	10.314	717404	369.597 ng/ml
60) Aroclor 1268 (6)	10.710	196933	16.428 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

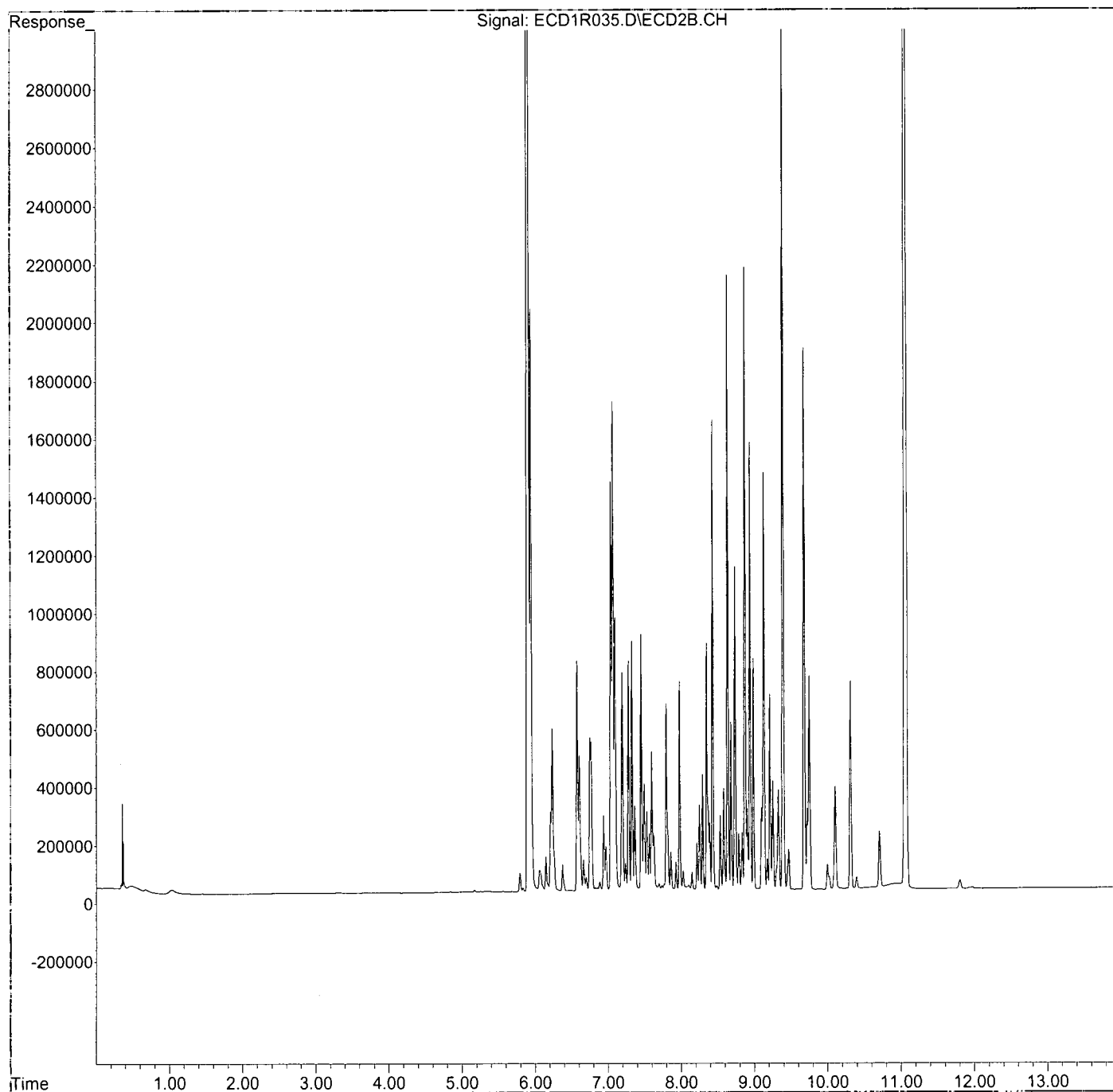
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0F06002\
Data File : ECD1R035.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 11:42 pm
Operator : MJB / KAK
Sample : 0F06002-CCV4
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:10:06 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0F06002\
 Data File : ECD1R036.D
 Signal(s) : ECD2B.CH
 Acq On : 07 Jun 2020 12:01 am
 Operator : MJB / KAK
 Sample : 0F06002-CCB4
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:10:23 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 6/15/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.899	5608968	109.744 ng/ml
62) S DCBP (S)	11.062	3065625	118.862 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.570	2937	1.862 ng/ml
3) Aroclor 1016 (2)	7.081	6030	2.117 ng/ml
4) Aroclor 1016 (3)	7.199	6920	5.100 ng/ml
5) Aroclor 1016 (4)	7.282	7171	5.309 ng/ml
6) Aroclor 1016 (5)	7.329	7560	5.073 ng/ml
7) Aroclor 1016 (6)	7.460	7920	5.275 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.060	7953	20.159 ng/ml
10) Aroclor 1221 (2)	6.210 6.125	111919	286.896 ng/ml 8.023MI
11) Aroclor 1221 (3)	6.210	111919	87.433 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.210	111919	109.306 ng/ml
14) Aroclor 1232 (2)	6.570	2937	4.737 ng/ml
15) Aroclor 1232 (3)	7.081	6030	5.288 ng/ml
16) Aroclor 1232 (4)	7.199	6920	12.844 ng/ml
17) Aroclor 1232 (5)	7.282	7171	16.620 ng/ml
18) Aroclor 1232 (6)	7.460	7920	15.128 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.570	2937	2.523 ng/ml
21) Aroclor 1242 (2)	7.081	6030	2.894 ng/ml
22) Aroclor 1242 (3)	7.199	6920	7.046 ng/ml
23) Aroclor 1242 (4)	7.282	7171	7.861 ng/ml
24) Aroclor 1242 (5)	7.329	7560	7.112 ng/ml
25) Aroclor 1242 (6)	7.460	7920	7.329 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.031	5524	4.321 ng/ml
28) Aroclor 1248 (2)	7.282	7171	4.372 ng/ml
29) Aroclor 1248 (3)	7.329	7560	4.852 ng/ml
30) Aroclor 1248 (4)	7.460	7920	4.259 ng/ml
31) Aroclor 1248 (5)	7.821	7203	3.036 ng/ml
32) Aroclor 1248 (6)	7.990	6721	3.367 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.802	7385	3.143 ng/ml
35) Aroclor 1254 (2)	7.990	6721	1.891 ng/ml
36) Aroclor 1254 (3)	8.318	3426	0.902 ng/ml
37) Aroclor 1254 (4)	8.541	2202	0.776 ng/ml
38) Aroclor 1254 (5)	8.905	1589	0.541 ng/ml
39) Aroclor 1254 (6)	9.133	868	1.042 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.438	3996	1.380 ng/ml
42) Aroclor 1260 (2)	8.585f	64741	18.391 ng/ml
43) Aroclor 1260 (3)	8.905	1589	0.436 ng/ml
44) Aroclor 1260 (4)	9.471f	10579	2.015 ng/ml

Handwritten:
 8.023MI
 N.P.M.

Data Path : I:\DATA\0F06002\
 Data File : ECD1R036.D
 Signal(s) : ECD2B.CH
 Acq On : 07 Jun 2020 12:01 am
 Operator : MJB / KAK
 Sample : 0F06002-CCB4
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 08:10:23 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.682	1725	0.558 ng/ml
46)	Aroclor 1260 (6)	10.308	685	0.567 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.585f	64741	23.733 ng/ml
49)	Aroclor 1262 (2)	8.921	1670	0.445 ng/ml
50)	Aroclor 1262 (3)	9.133	868	0.319 ng/ml
51)	Aroclor 1262 (4)	9.471f	10579	1.808 ng/ml
52)	Aroclor 1262 (5)	9.682	1725	0.489 ng/ml
53)	Aroclor 1262 (6)	10.308	685	0.428 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.180	3145	1.945 ng/ml
56)	Aroclor 1268 (2)	9.682	1725	0.257 ng/ml
57)	Aroclor 1268 (3)	9.752	1011	0.185 ng/ml
58)	Aroclor 1268 (4)	9.996	34802	7.315 ng/ml
59)	Aroclor 1268 (5)	10.308	685	0.353 ng/ml
60)	Aroclor 1268 (6)	10.707	30220	2.521 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

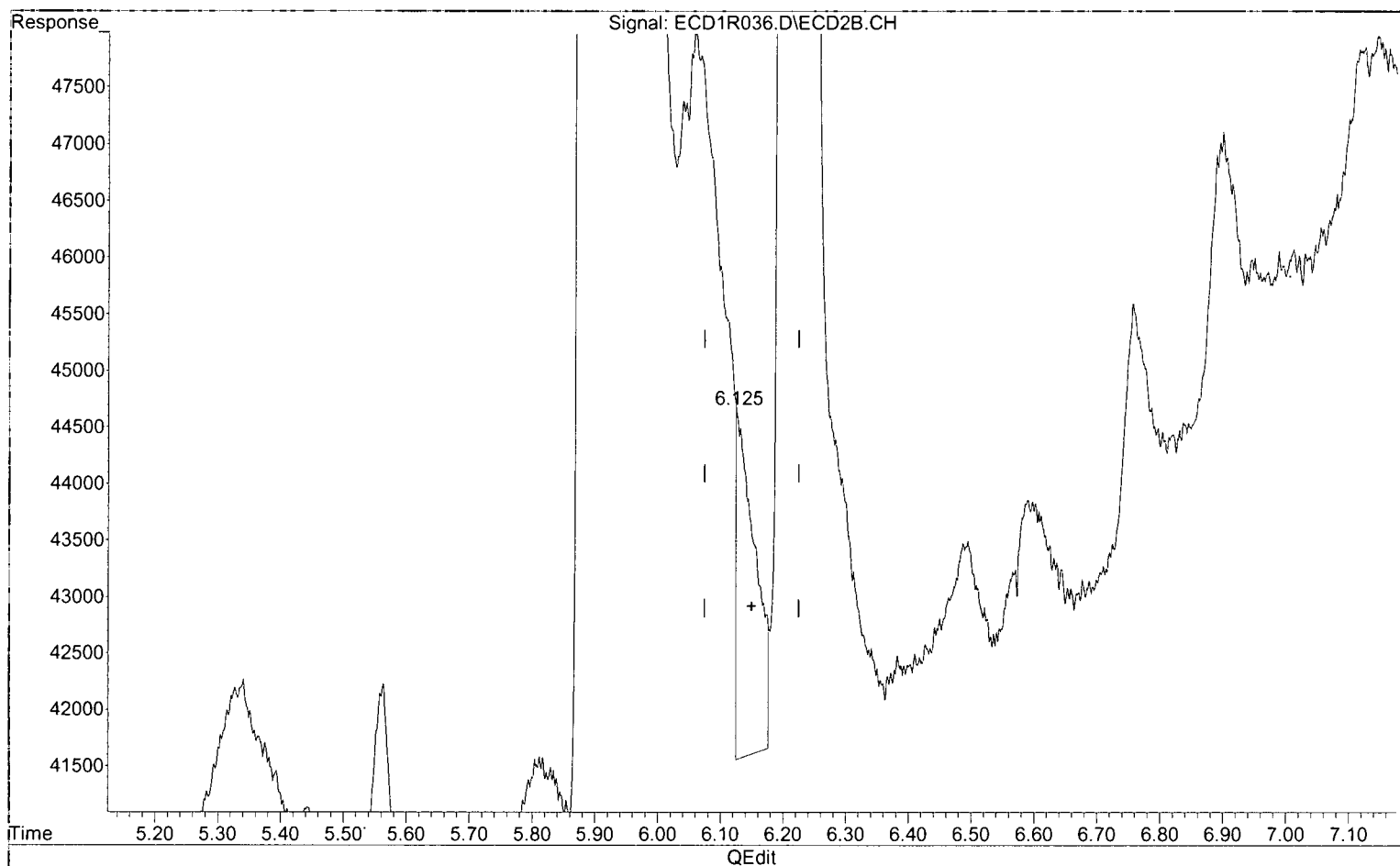
(m)=manual int.

Quantitation Report (Qedit)

Data Path : I:\DATA\0F06002\
Data File : ECD1R036.D
Signal(s) : ECD2B.CH
Acq On : 07 Jun 2020 12:01 am
Operator : MJB / KAK
Sample : 0F06002-CCB4
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:10:23 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(10) Aroclor 1221 (2)

6.125min 8.023 ng/ml(m)

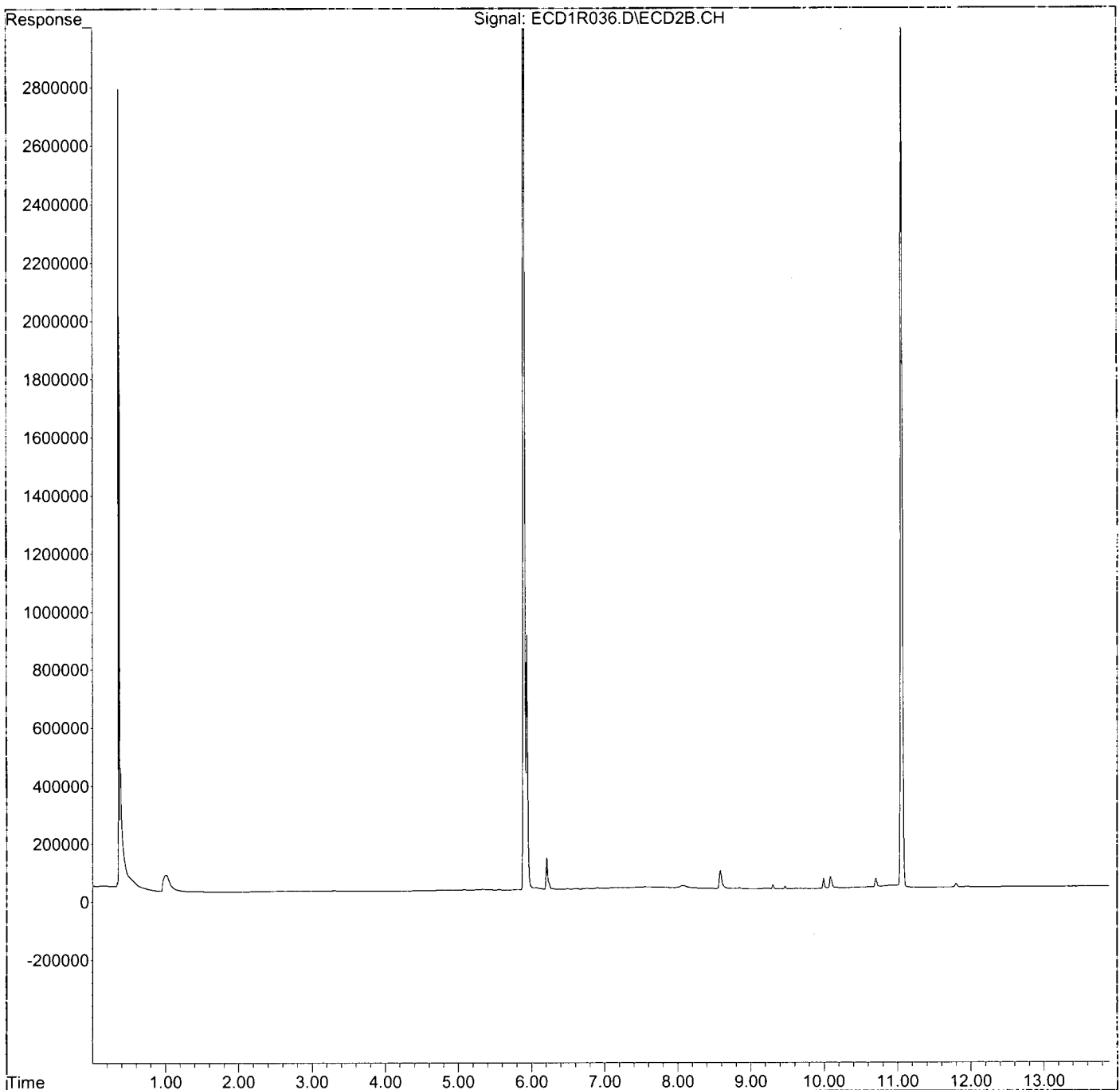
response 3130

MJB
6/15/20

Data Path : I:\DATA\0F06002\
Data File : ECD1R036.D
Signal(s) : ECD2B.CH
Acq On : 07 Jun 2020 12:01 am
Operator : MJB / KAK
Sample : 0F06002-CCB4
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 08:10:23 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402RT8.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Sequence 0F06004 (A0E0668-01,05)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0F06004**

Instrument: **DUALECD2R**

Date: **06/06/20 12:49**

Calibration: **A0F0306**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F06004-CCV1	Sediment	QC	QC				
2	0F06004-CCB1	Sediment	QC	QC				A20E179
3	0060119-BLK1	Sediment	QC	QC				A20F087
4	0060119-BS1	Sediment	QC	QC		0060119		
5	A0E0186-02RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/20/20	0060119		
6	0F06004-IBL1	Sediment	QC	QC				
7	0060119-DUP1	Sediment	QC	QC				
8	0F06004-IBL2	Sediment	QC	QC		0060119		
9	0F06004-IBL3	Sediment	QC	QC				
10	A0E0186-05RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/20/20	0060119		
11	0F06004-IBL4	Sediment	QC	QC				
12	A0E0186-14RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/20/20	0060119		
13	0F06004-IBL5	Sediment	QC	QC				
14	A0E0186-15RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/20/20	0060119		
15	0F06004-IBL6	Sediment	QC	QC				
16	0F06004-CCV2	Sediment	QC	QC				A20E179
17	0F06004-CCB2	Sediment	QC	QC				A20F087
18	A0E0186-16RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/20/20	0060119		
19	0F06004-IBL7	Sediment	QC	QC				
20	A0E0672-17	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060119		
21	0F06004-IBL8	Sediment	QC	QC				
22	0060119-MS1	Sediment	QC	QC		0060119		
23	0F06004-IBL9	Sediment	QC	QC				
24	A0E0668-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
25	0F06004-IBLA	Sediment	QC	QC				
26	0060185-DUP1	Sediment	QC	QC		0060185		
27	0F06004-IBLB	Sediment	QC	QC				
28	A0E0668-05	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
29	0F06004-IBLC	Sediment	QC	QC				
30	0F06004-CCV3	Sediment	QC	QC				A20E179
31	0F06004-CCB3	Sediment	QC	QC				A20F087

Data Entered By/Date: DTA 6/8/20

Data Reviewed By/Date: MLT 6/8/20

Comments: Report original analysis for samples
A0E0186-02, A0E0186-05, + A0E0186-14 (RAS)

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.

0F06004-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	481.76
1016 (2)	503.60
1016 (3)	495.86
1016 (4)	477.81
1016 (5)	484.06
1016 (6)	481.54
Average:	487.44

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	477.31
1260 (2)	468.02
1260 (3)	482.60
1260 (4)	499.95
1260 (5)	491.17
1260 (6)	434.04
Average:	475.52

0060119-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	835.50
1016 (2)	940.04
1016 (3)	832.65
1016 (4)	910.42
1016 (5)	917.13
1016 (6)	873.83
Average:	884.93

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,040.87
1260 (2)	1,101.82
1260 (3)	1,042.89
1260 (4)	1,145.54
1260 (5)	1,103.87
1260 (6)	1,002.79
Average:	1,072.96

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.

0F06004-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	465.14
1016 (2)	479.04
1016 (3)	440.30
1016 (4)	443.68
1016 (5)	442.01
1016 (6)	452.94
Average:	453.85

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	421.40
1260 (2)	436.89
1260 (3)	438.96
1260 (4)	443.57
1260 (5)	447.09
1260 (6)	401.17
Average:	431.51

0060119-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	763.56
1016 (2)	716.98
1016 (3)	717.66
1016 (4)	1,060.22
1016 (5)	1,120.04
1016 (6)	926.96
Average:	884.24

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	862.21
1260 (2)	888.13
1260 (3)	864.48
1260 (4)	878.78
1260 (5)	806.23
1260 (6)	741.06
Average:	840.15

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.

0F06004-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	495.83
1016 (2)	510.41
1016 (3)	514.21
1016 (4)	487.34
1016 (5)	501.40
1016 (6)	505.61
Average:	502.47

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	523.17
1260 (2)	524.32
1260 (3)	527.76
1260 (4)	510.17
1260 (5)	483.89
1260 (6)	428.23
Average:	499.59

Data Path : K:\DATA\0F06004\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:13 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:52:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

DTA 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.768	52009563	244.522 ng/ml
64) S DCBP (S)	10.787	34886430	218.700 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.436	1908084	481.762 ng/ml
3) Aroclor 1016 (2)	6.923	4468083	503.601 ng/ml
4) Aroclor 1016 (3)	7.050	2336885	495.862 ng/ml
5) Aroclor 1016 (4)	7.137	1423229	477.809 ng/ml
6) Aroclor 1016 (5)	7.182	1781018	484.061 ng/ml
7) Aroclor 1016 (6)	7.307	1889106	481.537 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.941	174227	133.852 ng/ml
10) Aroclor 1221 (2)	6.014	333106	265.220 ng/ml
11) Aroclor 1221 (3)	6.101	1595308	367.367 ng/ml
12) Aroclor 1221 (4)	6.610	1382120	2104.327 ng/ml
13) Aroclor 1221 (5)	6.923	4468083	7232.468 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.101	1595308	440.659 ng/ml
16) Aroclor 1232 (2)	6.436	1908084	1211.307 ng/ml
17) Aroclor 1232 (3)	6.923	4468083	1247.420 ng/ml
18) Aroclor 1232 (4)	7.137	1423229	1428.529 ng/ml
19) Aroclor 1232 (5)	7.182	1781018	1362.724 ng/ml
20) Aroclor 1232 (6)	7.307	1889106	1325.727 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.436	1908084	709.468 ng/ml
23) Aroclor 1242 (2)	6.923	4468083	712.638 ng/ml
24) Aroclor 1242 (3)	7.050	2336885	709.872 ng/ml
25) Aroclor 1242 (4)	7.137	1423229	758.388 ng/ml
26) Aroclor 1242 (5)	7.182	1781018	698.429 ng/ml
27) Aroclor 1242 (6)	7.307	1889106	705.665 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.895	3160879	970.313 ng/ml
30) Aroclor 1248 (2)	7.137	1423229	408.514 ng/ml
31) Aroclor 1248 (3)	7.182	1781018	484.088 ng/ml
32) Aroclor 1248 (4)	7.307	1889106	401.370 ng/ml
33) Aroclor 1248 (5)	7.651	1256122	205.261 ng/ml
34) Aroclor 1248 (6)	7.830	1443449	251.494 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.651	1256122	226.786 ng/ml
37) Aroclor 1254 (2)	7.830	1443449	156.097 ng/ml
38) Aroclor 1254 (3)	8.141	995438	83.917 ng/ml
39) Aroclor 1254 (4)	8.380	603550	68.758 ng/ml
40) Aroclor 1254 (5)	8.716	5478808	582.687 ng/ml
41) Aroclor 1254 (6)	8.936	844760	286.467 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.278	3636759	477.311 ng/ml
44) Aroclor 1260 (2)	8.484	4369570	468.022 ng/ml

487.44

475.52

Data Path : K:\DATA\0F06004\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:13 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:52:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.716	5478808	482.598 ng/ml
46)	Aroclor 1260 (4)	9.213	9613157	499.947 ng/ml
47)	Aroclor 1260 (5)	9.485	5450841	491.169 ng/ml
48)	Aroclor 1260 (6)	10.081	2290344	434.037 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.484	4369570	643.115 ng/ml
51)	Aroclor 1262 (2)	8.786	3305348	331.496 ng/ml
52)	Aroclor 1262 (3)	8.965	3758752	443.976 ng/ml
53)	Aroclor 1262 (4)	9.213	9613157	463.086 ng/ml
54)	Aroclor 1262 (5)	9.485	5450841	441.488 ng/ml
55)	Aroclor 1262 (6)	10.081	2290344	347.879 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.008	264629	60.894 ng/ml
58)	Aroclor 1268 (2)	9.485	5450841	230.806 ng/ml
59)	Aroclor 1268 (3)	9.554	2298817	93.184 ng/ml
60)	Aroclor 1268 (4)	9.783	209943	10.599 ng/ml
61)	Aroclor 1268 (5)	10.081	2290344	302.620 ng/ml
62)	Aroclor 1268 (6)	10.452	706805	9.868 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

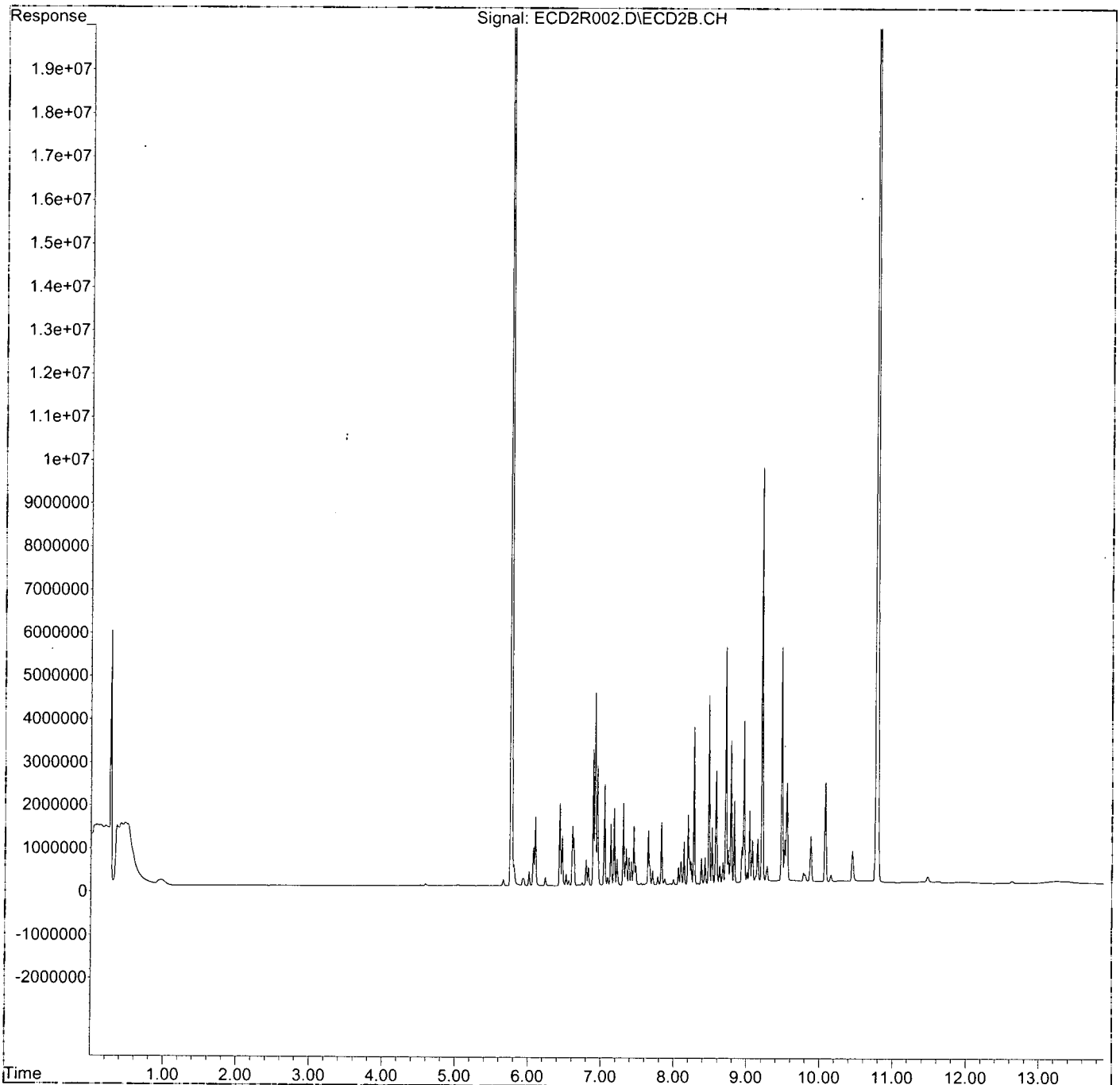
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 1:13 pm
Operator : MJB / KAK
Sample : 0F06004-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:52:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:30 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:53:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

OK 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.769	20434882	96.074 ng/ml
64) S DCBP (S)	10.787	13402680	84.020 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.431	1211	0.306 ng/ml
3) Aroclor 1016 (2)	6.926	1125	0.127 ng/ml
4) Aroclor 1016 (3)	7.050	862	0.183 ng/ml
5) Aroclor 1016 (4)	7.137	912	0.306 ng/ml
6) Aroclor 1016 (5)	7.188	941	0.256 ng/ml
7) Aroclor 1016 (6)	7.308	1918	0.489 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.932	6221	4.779 ng/ml
10) Aroclor 1221 (2)	6.017	2029	1.615 ng/ml
11) Aroclor 1221 (3)	6.074	380470	87.615 ng/ml
12) Aroclor 1221 (4)	6.621	2910	4.431 ng/ml
13) Aroclor 1221 (5)	6.926	1125	1.821 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.074	380470	105.094 ng/ml
16) Aroclor 1232 (2)	6.431	1211	0.769 ng/ml
17) Aroclor 1232 (3)	6.926	1125	0.314 ng/ml
18) Aroclor 1232 (4)	7.137	912	0.915 ng/ml
19) Aroclor 1232 (5)	7.188	941	0.720 ng/ml
20) Aroclor 1232 (6)	7.308	1918	1.346 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.431	1211	0.450 ng/ml
23) Aroclor 1242 (2)	6.926	1125	0.179 ng/ml
24) Aroclor 1242 (3)	7.050	862	0.262 ng/ml
25) Aroclor 1242 (4)	7.137	912	0.486 ng/ml
26) Aroclor 1242 (5)	7.188	941	0.369 ng/ml
27) Aroclor 1242 (6)	7.308	1918	0.716 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.894	1113	0.342 ng/ml
30) Aroclor 1248 (2)	7.137	912	0.262 ng/ml
31) Aroclor 1248 (3)	7.188	941	0.256 ng/ml
32) Aroclor 1248 (4)	7.308	1918	0.407 ng/ml
33) Aroclor 1248 (5)	7.671	734	0.120 ng/ml
34) Aroclor 1248 (6)	7.826	13073	2.278 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.644	459	0.083 ng/ml
37) Aroclor 1254 (2)	7.826	13073	1.414 ng/ml
38) Aroclor 1254 (3)	8.150	490	0.041 ng/ml
39) Aroclor 1254 (4)	8.403	14125	1.609 ng/ml
40) Aroclor 1254 (5)	8.717	7364	0.783 ng/ml
41) Aroclor 1254 (6)	8.935	12653	4.291 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.280	898	0.118 ng/ml
44) Aroclor 1260 (2)	8.485	1290	0.138 ng/ml

clean

Data Path : K:\DATA\0F06004\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:30 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:53:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.717	7364	0.649 ng/ml
46)	Aroclor 1260 (4)	9.213	22708	1.181 ng/ml
47)	Aroclor 1260 (5)	9.496	40884	3.684 ng/ml
48)	Aroclor 1260 (6)	10.080	30911	5.858 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.485	1290	0.190 ng/ml
51)	Aroclor 1262 (2)	8.785	10056	1.009 ng/ml
52)	Aroclor 1262 (3)	8.978	48457	5.724 ng/ml
53)	Aroclor 1262 (4)	9.213	22708	1.094 ng/ml
54)	Aroclor 1262 (5)	9.496	40884	3.311 ng/ml
55)	Aroclor 1262 (6)	10.075	31071	4.719 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.978	48457	11.151 ng/ml
58)	Aroclor 1268 (2)	9.496	40884	1.731 ng/ml
59)	Aroclor 1268 (3)	9.556	43853	1.778 ng/ml
60)	Aroclor 1268 (4)	9.785	89655	4.526 ng/ml
61)	Aroclor 1268 (5)	10.075	31071	4.105 ng/ml
62)	Aroclor 1268 (6)	10.454	93014	1.299 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

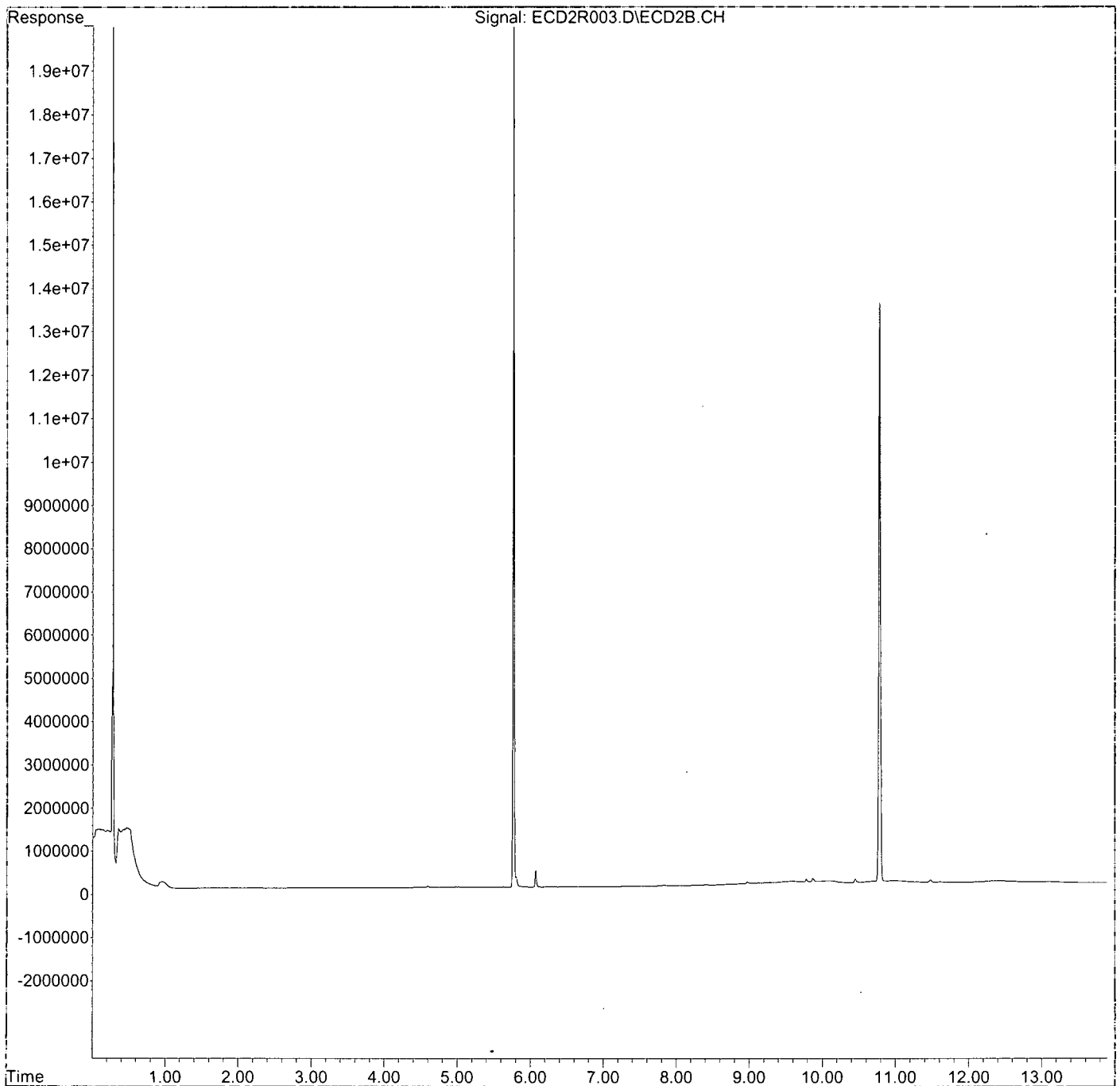
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 1:30 pm
Operator : MJB / KAK
Sample : 0F06004-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:53:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:57 pm
 Operator : MJB / KAK
 Sample : 0060119-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:53:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

OK 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	34281521	161.174 ng/ml
64) S DCBP (S)	10.791	27752299	173.977 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.435	6640	1.677 ng/ml
3) Aroclor 1016 (2)	6.923	14040	1.582 ng/ml
4) Aroclor 1016 (3)	7.050	8842	1.876 ng/ml
5) Aroclor 1016 (4)	7.138	6976	2.342 ng/ml
6) Aroclor 1016 (5)	7.183	6291	1.710 ng/ml
7) Aroclor 1016 (6)	7.308	4911	1.252 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.944	6674	5.127 ng/ml
10) Aroclor 1221 (2)	6.008	4021	3.201 ng/ml
11) Aroclor 1221 (3)	6.072	603032	138.866 ng/ml
12) Aroclor 1221 (4)	6.606	9073	13.814 ng/ml
13) Aroclor 1221 (5)	6.923	14040	22.726 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.072	603032	166.571 ng/ml
16) Aroclor 1232 (2)	6.435	6640	4.215 ng/ml
17) Aroclor 1232 (3)	6.923	14040	3.920 ng/ml
18) Aroclor 1232 (4)	7.138	6976	7.002 ng/ml
19) Aroclor 1232 (5)	7.183	6291	4.814 ng/ml
20) Aroclor 1232 (6)	7.308	4911	3.446 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.435	6640	2.469 ng/ml
23) Aroclor 1242 (2)	6.923	14040	2.239 ng/ml
24) Aroclor 1242 (3)	7.050	8842	2.686 ng/ml
25) Aroclor 1242 (4)	7.138	6976	3.717 ng/ml
26) Aroclor 1242 (5)	7.183	6291	2.467 ng/ml
27) Aroclor 1242 (6)	7.308	4911	1.834 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.897	12487	3.833 ng/ml
30) Aroclor 1248 (2)	7.138	6976	2.002 ng/ml
31) Aroclor 1248 (3)	7.183	6291	1.710 ng/ml
32) Aroclor 1248 (4)	7.308	4911	1.043 ng/ml
33) Aroclor 1248 (5)	7.674	1343	0.219 ng/ml
34) Aroclor 1248 (6)	7.835	20709	3.608 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.653	2237	0.404 ng/ml
37) Aroclor 1254 (2)	7.835	20709	2.239 ng/ml
38) Aroclor 1254 (3)	8.142	2108	0.178 ng/ml
39) Aroclor 1254 (4)	8.369	307	0.035 ng/ml
40) Aroclor 1254 (5)	8.717	12904	1.372 ng/ml
41) Aroclor 1254 (6)	8.966	39216	13.299 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.281	2778	0.365 ng/ml
44) Aroclor 1260 (2)	8.487	5133	0.550 ng/ml

Data Path : K:\DATA\0F06004\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 1:57 pm
 Operator : MJB / KAK
 Sample : 0060119-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:53:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.717	12904	1.137 ng/ml
46)	Aroclor 1260 (4)	9.214	54402	2.829 ng/ml
47)	Aroclor 1260 (5)	9.491	50062	4.511 ng/ml
48)	Aroclor 1260 (6)	10.076	11561	2.191 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.487	5133	0.755 ng/ml
51)	Aroclor 1262 (2)	8.763	13837	1.388 ng/ml
52)	Aroclor 1262 (3)	8.966	39216	4.632 ng/ml
53)	Aroclor 1262 (4)	9.214	54402	2.621 ng/ml
54)	Aroclor 1262 (5)	9.491	50062	4.055 ng/ml
55)	Aroclor 1262 (6)	10.076	11561	1.756 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.966f	39216	9.024 ng/ml
58)	Aroclor 1268 (2)	9.491	50062	2.120 ng/ml
59)	Aroclor 1268 (3)	9.555	48528	1.967 ng/ml
60)	Aroclor 1268 (4)	9.785	398833	20.134 ng/ml
61)	Aroclor 1268 (5)	10.076	11561	1.528 ng/ml
62)	Aroclor 1268 (6)	10.457	944863	13.192 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

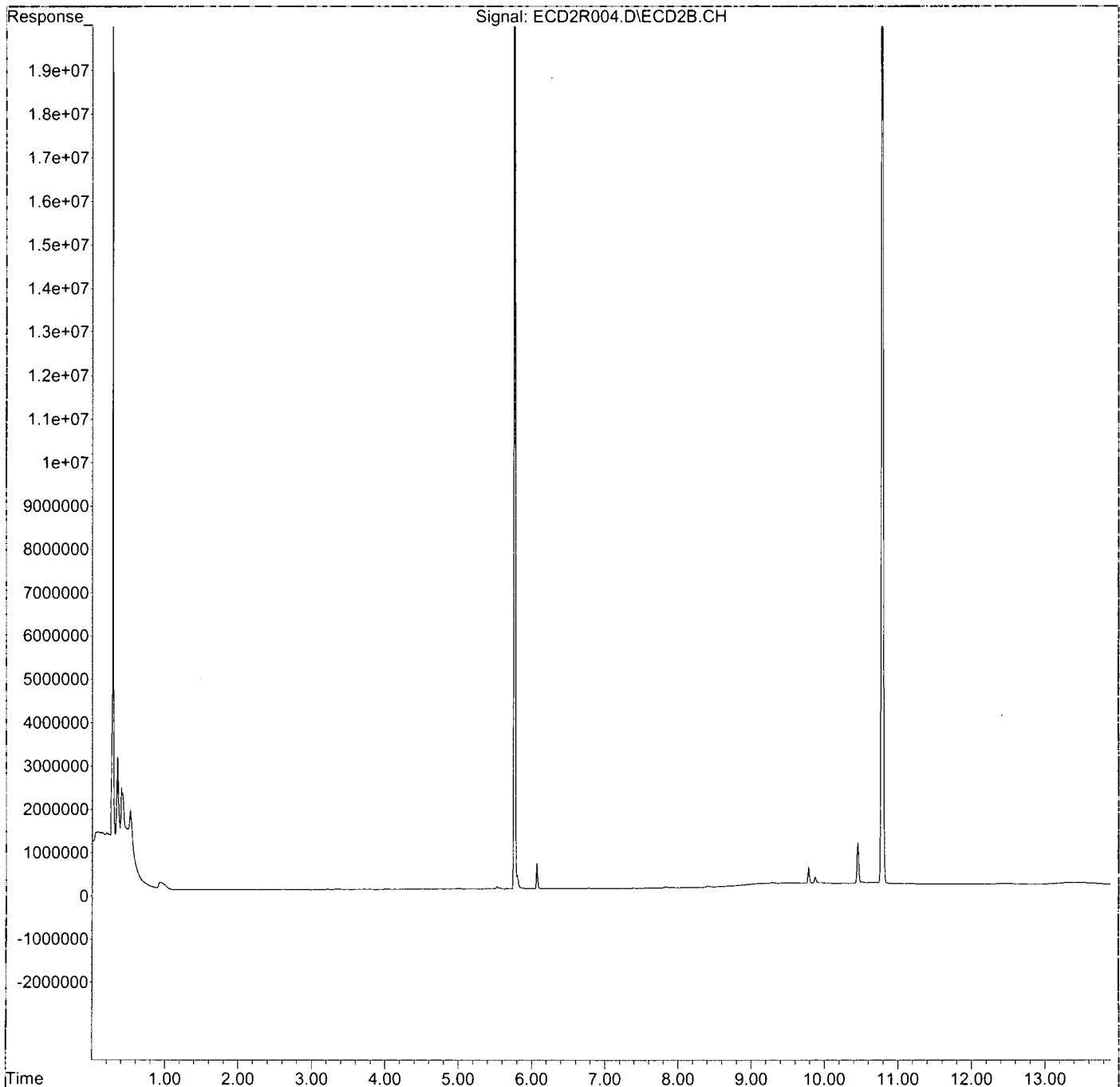
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 1:57 pm
Operator : MJB / KAK
Sample : 0060119-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:53:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\OF06004\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 2:15 pm
 Operator : MJB / KAK
 Sample : 0060119-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:53:49 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

OTK 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.768	37600344	176.777	ng/ml
64) S DCBP (S)	10.789	28909647	181.232	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.437	3309103	835.498	ng/ml
3) Aroclor 1016 (2)	6.924	8340304	940.043	ng/ml
4) Aroclor 1016 (3)	7.051	3924083	832.648	ng/ml
5) Aroclor 1016 (4)	7.138	2711816	910.416	ng/ml
6) Aroclor 1016 (5)	7.183	3374424	917.130	ng/ml
7) Aroclor 1016 (6)	7.309	3428095	873.829	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.942	266453	204.706	ng/ml
10) Aroclor 1221 (2)	6.015	535826	426.626	ng/ml
11) Aroclor 1221 (3)	6.101	2646660	609.473	ng/ml
12) Aroclor 1221 (4)	6.611	2092593	3186.048	ng/ml
13) Aroclor 1221 (5)	6.924	8340304	13500.417	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.101	2646660	731.066	ng/ml
16) Aroclor 1232 (2)	6.437	3309103	2100.715	ng/ml
17) Aroclor 1232 (3)	6.924	8340304	2328.484	ng/ml
18) Aroclor 1232 (4)	7.138	2711816	2721.915	ng/ml
19) Aroclor 1232 (5)	7.183	3374424	2581.899	ng/ml
20) Aroclor 1232 (6)	7.309	3428095	2405.752	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.437	3309103	1230.398	ng/ml
23) Aroclor 1242 (2)	6.924	8340304	1330.239	ng/ml
24) Aroclor 1242 (3)	7.051	3924083	1192.013	ng/ml
25) Aroclor 1242 (4)	7.138	2711816	1445.030	ng/ml
26) Aroclor 1242 (5)	7.183	3374424	1323.286	ng/ml
27) Aroclor 1242 (6)	7.309	3428095	1280.546	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.897	6063727	1861.416	ng/ml
30) Aroclor 1248 (2)	7.138	2711816	778.382	ng/ml
31) Aroclor 1248 (3)	7.183	3374424	917.181	ng/ml
32) Aroclor 1248 (4)	7.309	3428095	728.352	ng/ml
33) Aroclor 1248 (5)	7.671	844798	138.047	ng/ml
34) Aroclor 1248 (6)	7.832	2896614	504.680	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.652	2509363	453.052	ng/ml
37) Aroclor 1254 (2)	7.832	2896614	313.245	ng/ml
38) Aroclor 1254 (3)	8.143	1894241	159.688	ng/ml
39) Aroclor 1254 (4)	8.381	1212011	138.076	ng/ml
40) Aroclor 1254 (5)	8.718	11839611	1259.177	ng/ml
41) Aroclor 1254 (6)	8.936	1915853	649.686	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.280	7930641	1040.867	ng/ml
44) Aroclor 1260 (2)	8.485	10286844	1101.817	ng/ml

884.93

1072.96

Data Path : K:\DATA\0F06004\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 2:15 pm
 Operator : MJB / KAK
 Sample : 0060119-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:53:49 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.718	11839611	1042.886	ng/ml
46) Aroclor 1260 (4)	9.214	22026916	1145.543	ng/ml
47) Aroclor 1260 (5)	9.486	12250467	1103.875	ng/ml
48) Aroclor 1260 (6)	10.083	5291538	1002.786	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	8.485	10286844	1514.021	ng/ml
51) Aroclor 1262 (2)	8.787	7638905	766.111	ng/ml
52) Aroclor 1262 (3)	8.966	8158649	963.682	ng/ml
53) Aroclor 1262 (4)	9.214	22026916	1061.083	ng/ml
54) Aroclor 1262 (5)	9.486	12250467	992.220	ng/ml
55) Aroclor 1262 (6)	10.083	5291538	803.729	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	9.009	530085	121.978	ng/ml
58) Aroclor 1268 (2)	9.486	12250467	518.724	ng/ml
59) Aroclor 1268 (3)	9.556	5387747	218.396	ng/ml
60) Aroclor 1268 (4)	9.784	602893	30.436	ng/ml
61) Aroclor 1268 (5)	10.083	5291538	699.164	ng/ml
62) Aroclor 1268 (6)	10.455	2229361	31.125	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

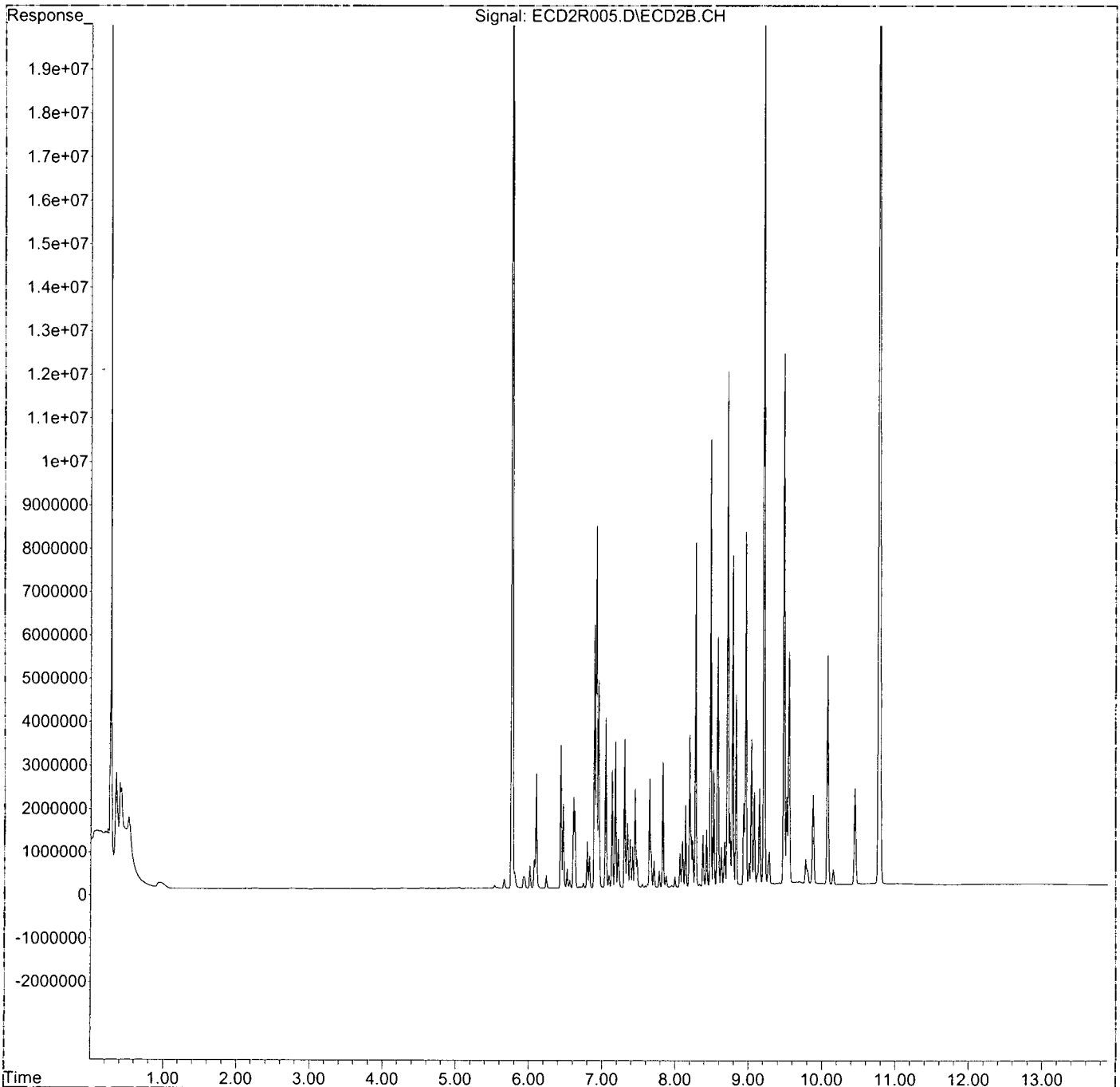
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 2:15 pm
Operator : MJB / KAK
Sample : 0060119-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:53:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 5:46 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:55:48 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.768	53665003	252.305	ng/ml
64) S DCBP (S)	10.786	33462454	209.774	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.437	1842258	465.142	ng/ml
3) Aroclor 1016 (2)	6.923	4250148	479.038	ng/ml
4) Aroclor 1016 (3)	7.050	2075027	440.298	ng/ml
5) Aroclor 1016 (4)	7.137	1321568	443.679	ng/ml
6) Aroclor 1016 (5)	7.182	1626298	442.009	ng/ml
7) Aroclor 1016 (6)	7.307	1776923	452.942	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.941	165939	127.485	ng/ml
10) Aroclor 1221 (2)	6.014	328179	261.297	ng/ml
11) Aroclor 1221 (3)	6.100	1571401	361.862	ng/ml
12) Aroclor 1221 (4)	6.610	1280612	1949.777	ng/ml
13) Aroclor 1221 (5)	6.923	4250148	6879.698	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.100	1571401	434.055	ng/ml
16) Aroclor 1232 (2)	6.437	1842258	1169.519	ng/ml
17) Aroclor 1232 (3)	6.923	4250148	1186.576	ng/ml
18) Aroclor 1232 (4)	7.137	1321568	1326.489	ng/ml
19) Aroclor 1232 (5)	7.182	1626298	1244.342	ng/ml
20) Aroclor 1232 (6)	7.307	1776923	1247.000	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.437	1842258	684.992	ng/ml
23) Aroclor 1242 (2)	6.923	4250148	677.878	ng/ml
24) Aroclor 1242 (3)	7.050	2075027	630.328	ng/ml
25) Aroclor 1242 (4)	7.137	1321568	704.217	ng/ml
26) Aroclor 1242 (5)	7.182	1626298	637.756	ng/ml
27) Aroclor 1242 (6)	7.307	1776923	663.760	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.896	2892896	888.048	ng/ml
30) Aroclor 1248 (2)	7.137	1321568	379.334	ng/ml
31) Aroclor 1248 (3)	7.182	1626298	442.034	ng/ml
32) Aroclor 1248 (4)	7.307	1776923	377.535	ng/ml
33) Aroclor 1248 (5)	7.670	397121	64.893	ng/ml
34) Aroclor 1248 (6)	7.831	1283915	223.698	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.650	1167211	210.734	ng/ml
37) Aroclor 1254 (2)	7.831	1283915	138.845	ng/ml
38) Aroclor 1254 (3)	8.141	883435	74.475	ng/ml
39) Aroclor 1254 (4)	8.380	526017	59.925	ng/ml
40) Aroclor 1254 (5)	8.716	4983438	530.003	ng/ml
41) Aroclor 1254 (6)	8.936	713573	241.980	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.278	3210730	421.396	ng/ml
44) Aroclor 1260 (2)	8.483	4078870	436.885	ng/ml

Handwritten: 453.85

Handwritten: 431.51

Data Path : K:\DATA\0F06004\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 5:46 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:55:48 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.716	4983438	438.963 ng/ml
46) Aroclor 1260 (4)	9.212	8529110	443.569 ng/ml
47) Aroclor 1260 (5)	9.484	4961616	447.085 ng/ml
48) Aroclor 1260 (6)	10.080	2116892	401.167 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.483	4078870	600.329 ng/ml
51) Aroclor 1262 (2)	8.786	2995095	300.380 ng/ml
52) Aroclor 1262 (3)	8.964	3496269	412.972 ng/ml
53) Aroclor 1262 (4)	9.212	8529110	410.865 ng/ml
54) Aroclor 1262 (5)	9.484	4961616	401.864 ng/ml
55) Aroclor 1262 (6)	10.080	2116892	321.534 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.008	215050	49.485 ng/ml
58) Aroclor 1268 (2)	9.484	4961616	210.091 ng/ml
59) Aroclor 1268 (3)	9.553	2101446	85.183 ng/ml
60) Aroclor 1268 (4)	9.783	181867	9.181 ng/ml
61) Aroclor 1268 (5)	10.080	2116892	279.702 ng/ml
62) Aroclor 1268 (6)	10.453	668164	9.329 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

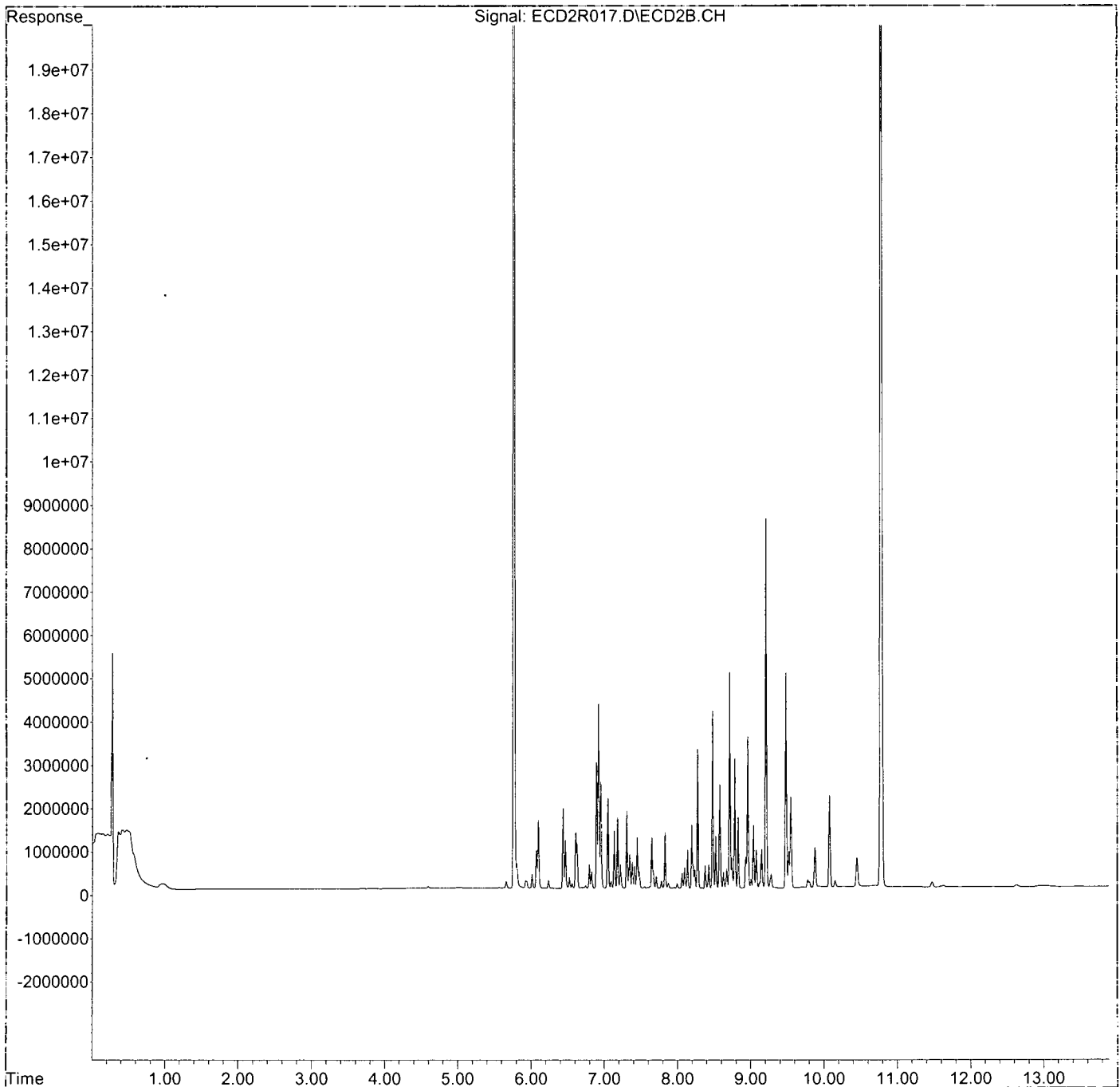
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 5:46 pm
Operator : MJB / KAK
Sample : 0F06004-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:55:48 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890.Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 6:03 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:56:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MT 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.768	21420699	100.709	ng/ml
64) S DCBP (S)	10.788	12814791	80.335	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.439	2826	0.714	ng/ml
3) Aroclor 1016 (2)	6.918	3364	0.379	ng/ml
4) Aroclor 1016 (3)	7.050	1222	0.259	ng/ml
5) Aroclor 1016 (4)	7.139	1167	0.392	ng/ml
6) Aroclor 1016 (5)	7.180	1141	0.310	ng/ml
7) Aroclor 1016 (6)	7.304	801	0.204	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.947	6193	4.758	ng/ml
10) Aroclor 1221 (2)	6.011	3865	3.077	ng/ml
11) Aroclor 1221 (3)	6.074	399290	91.948	ng/ml
12) Aroclor 1221 (4)	6.607	3589	5.464	ng/ml
13) Aroclor 1221 (5)	6.918	3364	5.446	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.074	399290	110.293	ng/ml
16) Aroclor 1232 (2)	6.439	2826	1.794	ng/ml
17) Aroclor 1232 (3)	6.918	3364	0.939	ng/ml
18) Aroclor 1232 (4)	7.139	1167	1.172	ng/ml
19) Aroclor 1232 (5)	7.180	1141	0.873	ng/ml
20) Aroclor 1232 (6)	7.304	801	0.562	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.439	2826	1.051	ng/ml
23) Aroclor 1242 (2)	6.918	3364	0.537	ng/ml
24) Aroclor 1242 (3)	7.050	1222	0.371	ng/ml
25) Aroclor 1242 (4)	7.139	1167	0.622	ng/ml
26) Aroclor 1242 (5)	7.180	1141	0.447	ng/ml
27) Aroclor 1242 (6)	7.304	801	0.299	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.892	596	0.183	ng/ml
30) Aroclor 1248 (2)	7.139	1167	0.335	ng/ml
31) Aroclor 1248 (3)	7.180	1141	0.310	ng/ml
32) Aroclor 1248 (4)	7.304	801	0.170	ng/ml
33) Aroclor 1248 (5)	7.679	1232	0.201	ng/ml
34) Aroclor 1248 (6)	7.817	19178	3.341	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.651	442	0.080	ng/ml
37) Aroclor 1254 (2)	7.817	19178	2.074	ng/ml
38) Aroclor 1254 (3)	8.142	6020	0.507	ng/ml
39) Aroclor 1254 (4)	8.361	5636	0.642	ng/ml
40) Aroclor 1254 (5)	8.688	10891	1.158	ng/ml
41) Aroclor 1254 (6)	8.927	6689	2.268	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.273	8020	1.053	ng/ml
44) Aroclor 1260 (2)	8.479	5722	0.613	ng/ml

Clean

Data Path : K:\DATA\0F06004\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 6:03 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:56:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.688	10891	0.959	ng/ml
46) Aroclor 1260 (4)	9.210	5582	0.290	ng/ml
47) Aroclor 1260 (5)	9.486	15351	1.383	ng/ml
48) Aroclor 1260 (6)	10.077	24907	4.720	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	8.479	5722	0.842	ng/ml
51) Aroclor 1262 (2)	8.788	750	0.075	ng/ml
52) Aroclor 1262 (3)	8.976	44820	5.294	ng/ml
53) Aroclor 1262 (4)	9.210	5582	0.269	ng/ml
54) Aroclor 1262 (5)	9.486	15351	1.243	ng/ml
55) Aroclor 1262 (6)	10.077	24907	3.783	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	8.976	44820	10.314	ng/ml
58) Aroclor 1268 (2)	9.486	15351	0.650	ng/ml
59) Aroclor 1268 (3)	9.552	15292	0.620	ng/ml
60) Aroclor 1268 (4)	9.784	95812	4.837	ng/ml
61) Aroclor 1268 (5)	10.077	24907	3.291	ng/ml
62) Aroclor 1268 (6)	10.455	99424	1.388	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

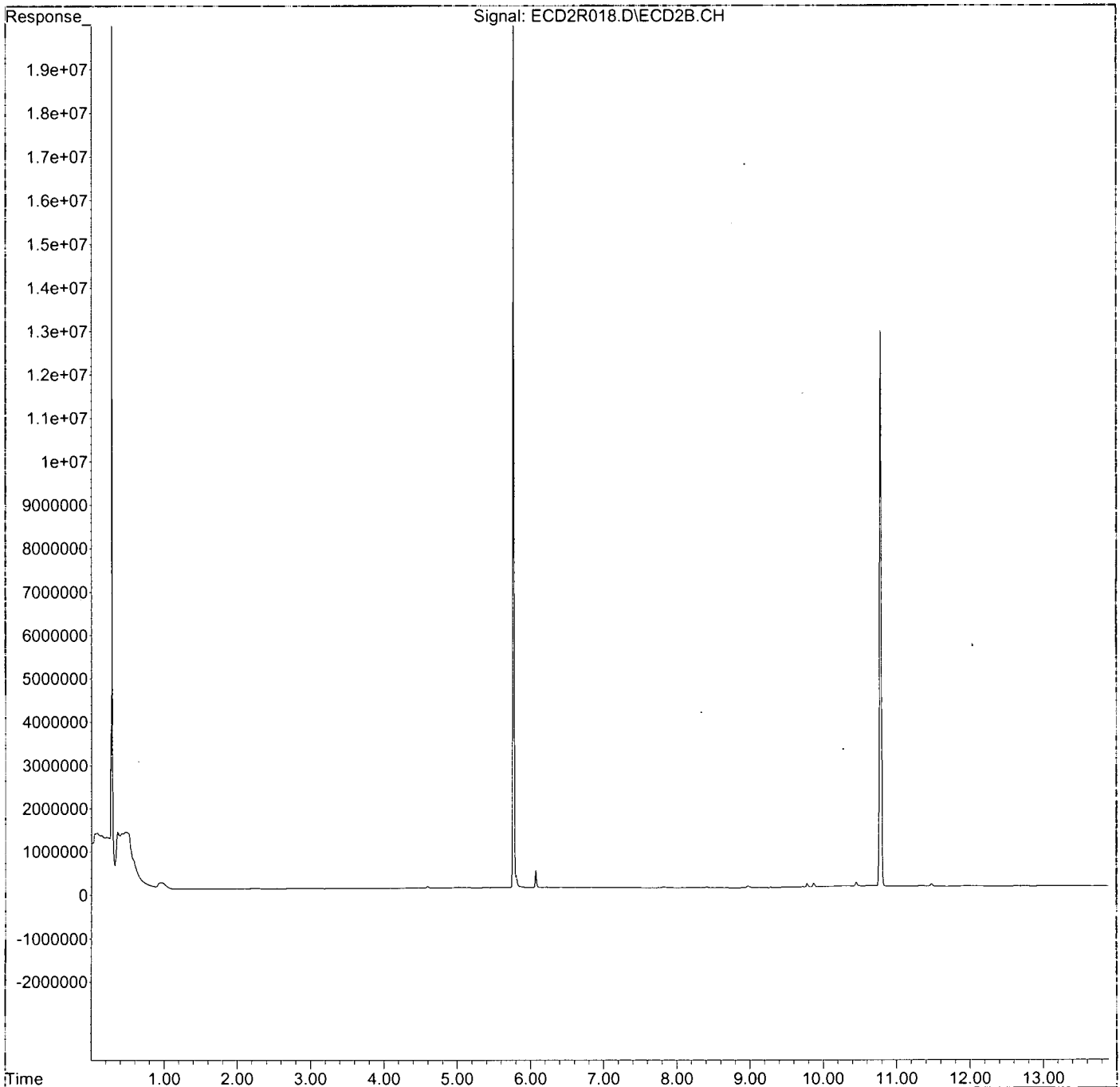
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 6:03 pm
Operator : MJB / KAK
Sample : 0F06004-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:56:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:06 pm
 Operator : MJB / KAK
 Sample : A0E0668-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:57:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

not 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.768	15437126	72.577	ng/ml
64) S DCBP (S)	10.787	8045729	50.438	ng/ml <i>-503</i>
Target Compounds				
2) Aroclor 1016 (1)	6.439	9972	2.518	ng/ml
3) Aroclor 1016 (2)	6.924	34103	3.844	ng/ml
4) Aroclor 1016 (3)	7.055	14221	3.017	ng/ml <i>Lim</i>
5) Aroclor 1016 (4)	7.139	41196	13.830	ng/ml
6) Aroclor 1016 (5)	7.184	34035	9.250	ng/ml
7) Aroclor 1016 (6)	7.304	43692	11.137	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.968	7428	5.706	ng/ml
10) Aroclor 1221 (2)	6.041	6104	4.860	ng/ml <i>Lim</i>
11) Aroclor 1221 (3)	6.074	233771	53.833	ng/ml
12) Aroclor 1221 (4)	6.615	9675	14.730	ng/ml
13) Aroclor 1221 (5)	6.924	34103	55.203	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.074	233771	64.573	ng/ml
16) Aroclor 1232 (2)	6.439	9972	-6.330	ng/ml <i>mol=ml</i>
17) Aroclor 1232 (3)	6.924	34103	-9.521	ng/ml <i>Lim</i>
18) Aroclor 1232 (4)	7.139	41196	41.350	ng/ml <i>not 6/8/20</i>
19) Aroclor 1232 (5)	7.184	34035	-26.041	ng/ml
20) Aroclor 1232 (6)	7.304	43692	30.662	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.439	9972	-3.708	ng/ml
23) Aroclor 1242 (2)	6.924	34103	-5.439	ng/ml <i>Lim</i>
24) Aroclor 1242 (3)	7.055	14221	-4.320	ng/ml
25) Aroclor 1242 (4)	7.139	41196	21.952	ng/ml
26) Aroclor 1242 (5)	7.184	34035	-13.347	ng/ml
27) Aroclor 1242 (6)	7.304	43692	16.321	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.897	18038	-5.537	ng/ml
30) Aroclor 1248 (2)	7.139	41196	11.825	ng/ml
31) Aroclor 1248 (3)	7.184	34035	-9.251	ng/ml <i>Lim</i>
32) Aroclor 1248 (4)	7.304	43692	-9.283	ng/ml
33) Aroclor 1248 (5)	7.674	58161	9.504	ng/ml
34) Aroclor 1248 (6)	7.827	163347	28.460	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.655	65015	-11.738	ng/ml
37) Aroclor 1254 (2)	7.827	163347	-17.665	ng/ml
38) Aroclor 1254 (3)	8.129	377290	31.806	ng/ml <i>mol=ml</i>
39) Aroclor 1254 (4)	8.397	185631	21.148	ng/ml
40) Aroclor 1254 (5)	8.716	134965	-14.354	ng/ml
41) Aroclor 1254 (6)	8.946	32405	-10.989	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.280	91688	12.034	ng/ml
44) Aroclor 1260 (2)	8.484	156004	16.709	ng/ml

Data Path : K:\DATA\0F06004\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:06 pm
 Operator : MJB / KAK
 Sample : A0E0668-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:57:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.716	134965	11.888 ng/ml
46) Aroclor 1260 (4)	9.213	113499	5.903 ng/ml
47) Aroclor 1260 (5)	9.484	76749	6.916 ng/ml <i>LMOL</i>
48) Aroclor 1260 (6)	10.080	34492	6.536 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.484	156004	22.961 ng/ml
51) Aroclor 1262 (2)	8.786	61913	6.209 ng/ml
52) Aroclor 1262 (3)	8.972	83532	9.867 ng/ml
53) Aroclor 1262 (4)	9.213	113499	5.468 ng/ml <i>LMOL</i>
54) Aroclor 1262 (5)	9.484	76749	6.216 ng/ml
55) Aroclor 1262 (6)	10.080	34492	5.239 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.972	83532	19.222 ng/ml
58) Aroclor 1268 (2)	9.484	76749	3.250 ng/ml
59) Aroclor 1268 (3)	9.553	40228	1.631 ng/ml <i>LMOL</i>
60) Aroclor 1268 (4)	9.783	102341	5.166 ng/ml
61) Aroclor 1268 (5)	10.080	34492	4.557 ng/ml
62) Aroclor 1268 (6)	10.453	264567	3.694 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

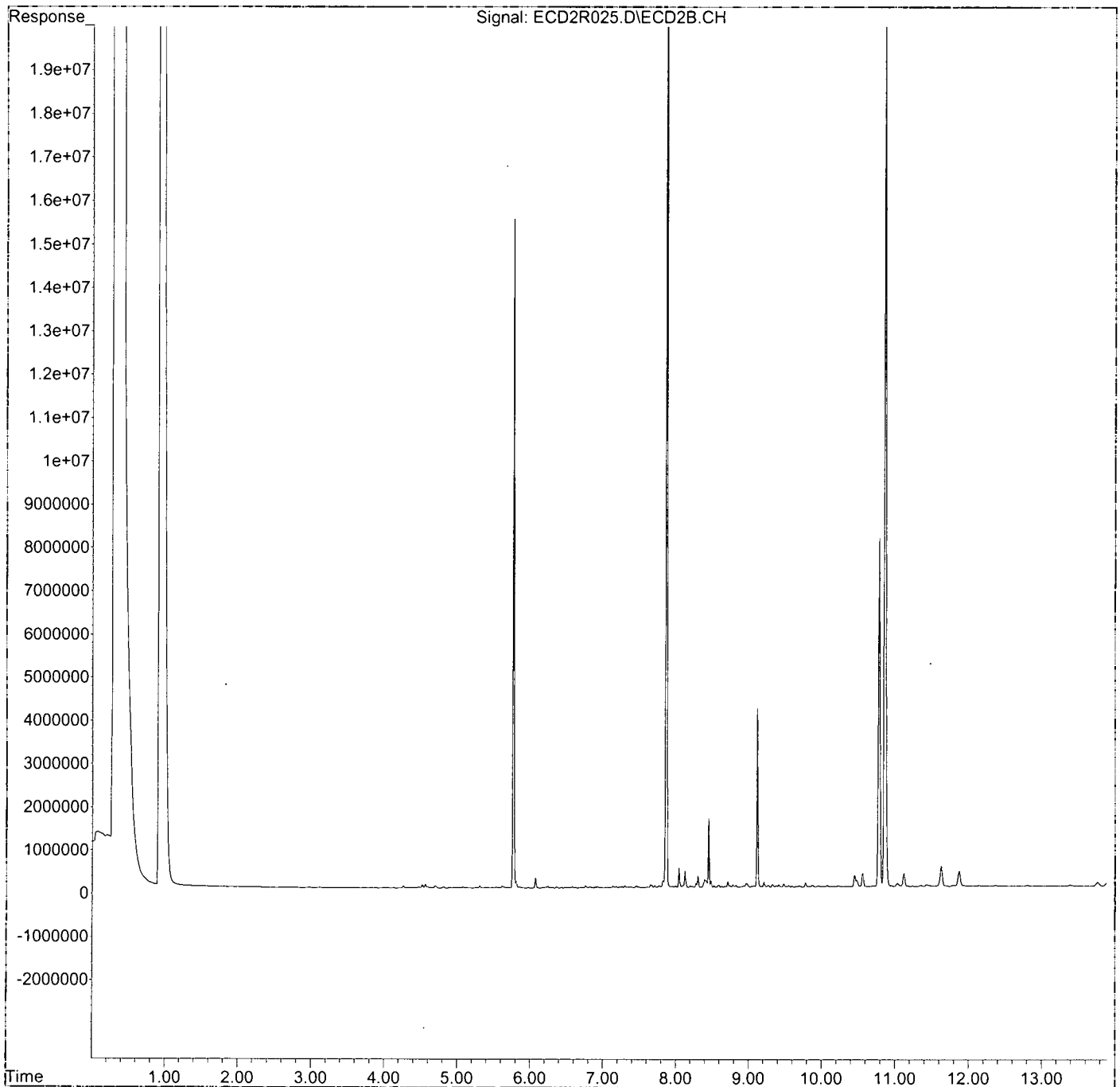
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 8:06 pm
Operator : MJB / KAK
Sample : A0E0668-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:57:27 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R027.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:41 pm
 Operator : MJB / KAK
 Sample : 0060185-DUP1
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:57:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.770	17566018	82.586 ng/ml
64) S DCBP (S)	10.788	8974756	56.262 ng/ml <i>503</i>
Target Compounds			
2) Aroclor 1016 (1)	6.440	7746	1.956 ng/ml
3) Aroclor 1016 (2)	6.925	26938	3.036 ng/ml
4) Aroclor 1016 (3)	7.057	12053	2.557 ng/ml <i>Lma</i>
5) Aroclor 1016 (4)	7.141	32416	10.883 ng/ml
6) Aroclor 1016 (5)	7.186	26458	7.191 ng/ml
7) Aroclor 1016 (6)	7.306	35917	9.155 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.949	3412	2.621 ng/ml
10) Aroclor 1221 (2)	6.044	5873	4.676 ng/ml <i>Lma</i>
11) Aroclor 1221 (3)	6.076	277229	63.840 ng/ml
12) Aroclor 1221 (4)	6.617	8513	12.961 ng/ml
13) Aroclor 1221 (5)	6.925	26938	43.605 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.076	277229	76.577 ng/ml
16) Aroclor 1232 (2)	6.440	7746	-4.917 ng/ml
17) Aroclor 1232 (3)	6.925	26938	-7.521 ng/ml <i>MDL:mcl</i>
18) Aroclor 1232 (4)	7.141	32416	32.537 ng/ml
19) Aroclor 1232 (5)	7.186	26458	-20.244 ng/ml
20) Aroclor 1232 (6)	7.306	35917	25.206 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.440	7746	2.880 ng/ml
23) Aroclor 1242 (2)	6.925	26938	4.297 ng/ml <i>Lma</i>
24) Aroclor 1242 (3)	7.057	12053	3.661 ng/ml
25) Aroclor 1242 (4)	7.141	32416	17.273 ng/ml
26) Aroclor 1242 (5)	7.186	26458	10.376 ng/ml
27) Aroclor 1242 (6)	7.306	35917	13.417 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.898	14474	4.443 ng/ml
30) Aroclor 1248 (2)	7.141	32416	9.304 ng/ml <i>Lma</i>
31) Aroclor 1248 (3)	7.186	26458	7.192 ng/ml
32) Aroclor 1248 (4)	7.306	35917	7.631 ng/ml
33) Aroclor 1248 (5)	7.675	52533	8.584 ng/ml
34) Aroclor 1248 (6)	7.830	145050	25.272 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.656	63780	11.515 ng/ml
37) Aroclor 1254 (2)	7.830	145050	15.686 ng/ml
38) Aroclor 1254 (3)	8.129	332132	27.999 ng/ml <i>MDL:mcl</i>
39) Aroclor 1254 (4)	8.398	202425	23.061 ng/ml
40) Aroclor 1254 (5)	8.718	183372	19.502 ng/ml
41) Aroclor 1254 (6)	8.946	30531	10.354 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.281	107549	14.115 ng/ml
44) Aroclor 1260 (2)	8.485	183741	19.680 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F06004\
 Data File : ECD2R027.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 8:41 pm
 Operator : MJB / KAK
 Sample : 0060185-DUP1
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:57:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.718	183372	16.152 ng/ml
46) Aroclor 1260 (4)	9.214	178916	9.305 ng/ml
47) Aroclor 1260 (5)	9.487	106910	9.634 ng/ml <i>LMDL</i>
48) Aroclor 1260 (6)	10.081	52801	10.006 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.485	183741	27.043 ng/ml
51) Aroclor 1262 (2)	8.788	105641	10.595 ng/ml
52) Aroclor 1262 (3)	8.967	84646	9.998 ng/ml
53) Aroclor 1262 (4)	9.214	178916	8.619 ng/ml
54) Aroclor 1262 (5)	9.487	106910	8.659 ng/ml
55) Aroclor 1262 (6)	10.081	52801	8.020 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.045f	44912	10.335 ng/ml
58) Aroclor 1268 (2)	9.487	106910	4.527 ng/ml
59) Aroclor 1268 (3)	9.554	51139	2.073 ng/ml
60) Aroclor 1268 (4)	9.783	110948	5.601 ng/ml
61) Aroclor 1268 (5)	10.081	52801	6.977 ng/ml
62) Aroclor 1268 (6)	10.453	304334	4.249 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

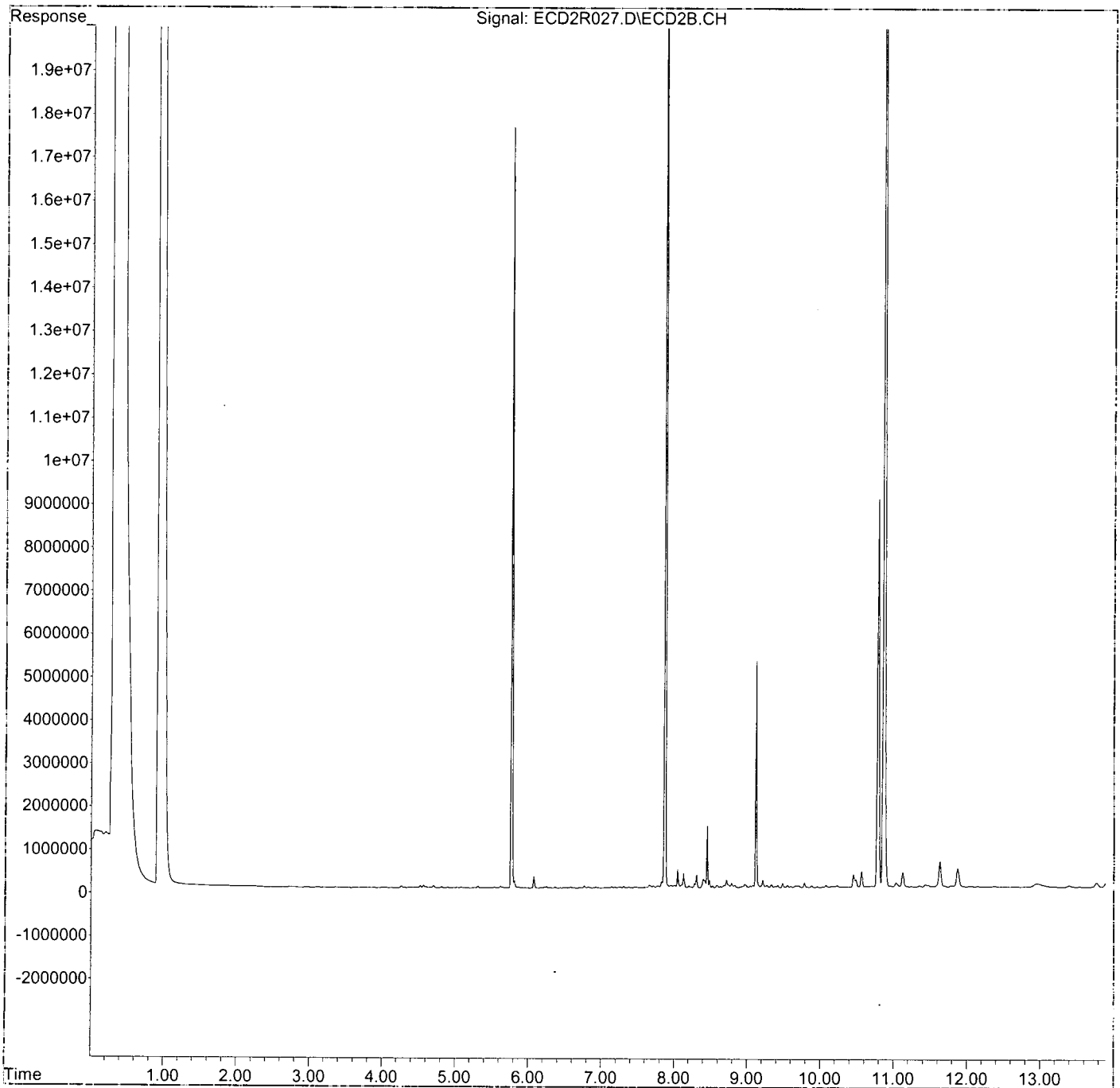
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R027.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 8:41 pm
Operator : MJB / KAK
Sample : 0060185-DUP1
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:57:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R029.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 9:17 pm
 Operator : MJB / KAK
 Sample : A0E0668-05
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:58:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

DTM 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.769	28646245	134.680 ng/ml
64) S DCBP (S)	10.787	29526728	185.101 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.438	2816	0.711 ng/ml
3) Aroclor 1016 (2)	6.926	3023	0.341 ng/ml
4) Aroclor 1016 (3)	7.054	5016	1.064 ng/ml
5) Aroclor 1016 (4)	7.143	5057	1.698 ng/ml
6) Aroclor 1016 (5)	7.186	4895	1.330 ng/ml
7) Aroclor 1016 (6)	7.311	3012	0.768 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.954	3695	2.839 ng/ml
10) Aroclor 1221 (2)	6.019	1382	1.100 ng/ml
11) Aroclor 1221 (3)	6.074	516789	119.006 ng/ml
12) Aroclor 1221 (4)	6.611	7595	11.564 ng/ml
13) Aroclor 1221 (5)	6.926	3023	4.893 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.074	516789	142.748 ng/ml
16) Aroclor 1232 (2)	6.438	2816	1.787 ng/ml
17) Aroclor 1232 (3)	6.926	3023	0.844 ng/ml
18) Aroclor 1232 (4)	7.143	5057	5.076 ng/ml
19) Aroclor 1232 (5)	7.178	4884	3.737 ng/ml
20) Aroclor 1232 (6)	7.311	3012	2.114 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.438	2816	1.047 ng/ml
23) Aroclor 1242 (2)	6.926	3023	0.482 ng/ml
24) Aroclor 1242 (3)	7.054	5016	1.524 ng/ml
25) Aroclor 1242 (4)	7.143	5057	2.695 ng/ml
26) Aroclor 1242 (5)	7.178	4884	1.915 ng/ml
27) Aroclor 1242 (6)	7.311	3012	1.125 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.892	2817	0.865 ng/ml
30) Aroclor 1248 (2)	7.143	5057	1.451 ng/ml
31) Aroclor 1248 (3)	7.178	4884	1.327 ng/ml
32) Aroclor 1248 (4)	7.311	3012	0.640 ng/ml
33) Aroclor 1248 (5)	7.673	22391	3.659 ng/ml
34) Aroclor 1248 (6)	7.830	36657	6.387 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.673	22391	4.043 ng/ml
37) Aroclor 1254 (2)	7.830	36657	3.964 ng/ml
38) Aroclor 1254 (3)	8.108	32463	2.737 ng/ml
39) Aroclor 1254 (4)	8.364	10272	1.170 ng/ml
40) Aroclor 1254 (5)	8.705	89629	9.532 ng/ml
41) Aroclor 1254 (6)	8.939	8853	3.002 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.276	11799	1.549 ng/ml
44) Aroclor 1260 (2)	8.485	14549	1.558 ng/ml

Data Path : K:\DATA\0F06004\
 Data File : ECD2R029.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 9:17 pm
 Operator : MJB / KAK
 Sample : A0E0668-05
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:58:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.705	89629	7.895 ng/ml
46)	Aroclor 1260 (4)	9.204	37189	1.934 ng/ml
47)	Aroclor 1260 (5)	9.488	8447	0.761 ng/ml
48)	Aroclor 1260 (6)	10.080	7620	1.444 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.480	13893	2.045 ng/ml
51)	Aroclor 1262 (2)	8.785	51503	5.165 ng/ml
52)	Aroclor 1262 (3)	8.963	9794	1.157 ng/ml
53)	Aroclor 1262 (4)	9.204	37189	1.791 ng/ml
54)	Aroclor 1262 (5)	9.488	8447	0.684 ng/ml
55)	Aroclor 1262 (6)	10.080	7620	1.157 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.010	11542	2.656 ng/ml
58)	Aroclor 1268 (2)	9.488	8447	0.358 ng/ml
59)	Aroclor 1268 (3)	9.558	11190	0.454 ng/ml
60)	Aroclor 1268 (4)	9.783	353652	17.853 ng/ml
61)	Aroclor 1268 (5)	10.080	7620	1.007 ng/ml
62)	Aroclor 1268 (6)	10.453	937908	13.095 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

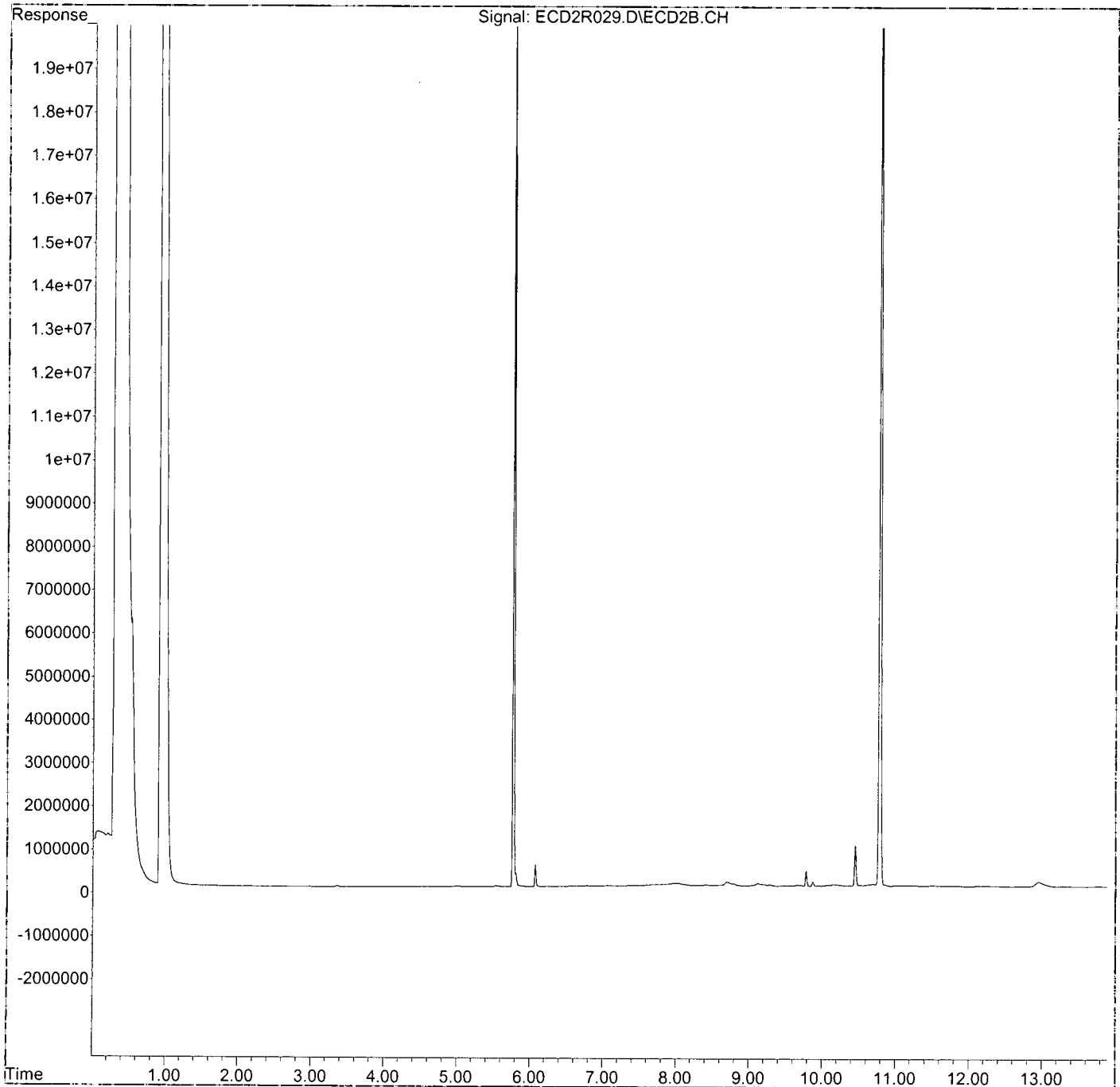
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R029.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 9:17 pm
Operator : MJB / KAK
Sample : A0E0668-05
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:58:06 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R031.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 9:52 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCV3
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:58:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

TTK 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.769	54503773	256.248	ng/ml
64) S DCBP (S)	10.789	34177510	214.256	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.438	1963807	495.831	ng/ml
3) Aroclor 1016 (2)	6.924	4528523	510.414	ng/ml
4) Aroclor 1016 (3)	7.052	2423352	514.209	ng/ml
5) Aroclor 1016 (4)	7.138	1451623	487.342	ng/ml
6) Aroclor 1016 (5)	7.184	1844824	501.402	ng/ml
7) Aroclor 1016 (6)	7.308	1983534	505.607	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.941	174410	133.993	ng/ml
10) Aroclor 1221 (2)	6.015	353652	281.579	ng/ml
11) Aroclor 1221 (3)	6.101	1637910	377.178	ng/ml
12) Aroclor 1221 (4)	6.610	1401691	2134.124	ng/ml
13) Aroclor 1221 (5)	6.924	4528523	7330.302	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.101	1637910	452.427	ng/ml
16) Aroclor 1232 (2)	6.438	1963807	1246.681	ng/ml
17) Aroclor 1232 (3)	6.924	4528523	1264.294	ng/ml
18) Aroclor 1232 (4)	7.138	1451623	1457.028	ng/ml
19) Aroclor 1232 (5)	7.184	1844824	1411.544	ng/ml
20) Aroclor 1232 (6)	7.308	1983534	1391.995	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.438	1963807	730.187	ng/ml
23) Aroclor 1242 (2)	6.924	4528523	722.278	ng/ml
24) Aroclor 1242 (3)	7.052	2423352	736.138	ng/ml
25) Aroclor 1242 (4)	7.138	1451623	773.518	ng/ml
26) Aroclor 1242 (5)	7.184	1844824	723.451	ng/ml
27) Aroclor 1242 (6)	7.308	1983534	740.938	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.896	3266930	1002.868	ng/ml
30) Aroclor 1248 (2)	7.138	1451623	416.664	ng/ml
31) Aroclor 1248 (3)	7.184	1844824	501.430	ng/ml
32) Aroclor 1248 (4)	7.308	1983534	421.433	ng/ml
33) Aroclor 1248 (5)	7.651	1337172	218.505	ng/ml
34) Aroclor 1248 (6)	7.831	1553517	270.671	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.651	1337172	241.419	ng/ml
37) Aroclor 1254 (2)	7.831	1553517	168.000	ng/ml
38) Aroclor 1254 (3)	8.142	1105068	93.159	ng/ml
39) Aroclor 1254 (4)	8.381	681122	77.595	ng/ml
40) Aroclor 1254 (5)	8.717	5991490	637.213	ng/ml
41) Aroclor 1254 (6)	8.936	968476	328.420	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.280	3986194	523.173	ng/ml
44) Aroclor 1260 (2)	8.484	4895195	524.321	ng/ml

502.47

499.59

Data Path : K:\DATA\0F06004\
 Data File : ECD2R031.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 9:52 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCV3
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:58:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.717	5991490	527.757 ng/ml
46) Aroclor 1260 (4)	9.213	9809655	510.166 ng/ml
47) Aroclor 1260 (5)	9.486	5370040	483.888 ng/ml
48) Aroclor 1260 (6)	10.081	2259718	428.233 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.484	4895195	720.476 ng/ml
51) Aroclor 1262 (2)	8.786	3667959	367.862 ng/ml
52) Aroclor 1262 (3)	8.965	3991860	471.510 ng/ml
53) Aroclor 1262 (4)	9.213	9809655	472.552 ng/ml
54) Aroclor 1262 (5)	9.486	5370040	434.944 ng/ml
55) Aroclor 1262 (6)	10.081	2259718	343.228 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.009	290239	66.787 ng/ml
58) Aroclor 1268 (2)	9.486	5370040	227.385 ng/ml
59) Aroclor 1268 (3)	9.555	2319606	94.027 ng/ml
60) Aroclor 1268 (4)	9.783	234000	11.813 ng/ml
61) Aroclor 1268 (5)	10.081	2259718	298.573 ng/ml
62) Aroclor 1268 (6)	10.453	774211	10.809 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

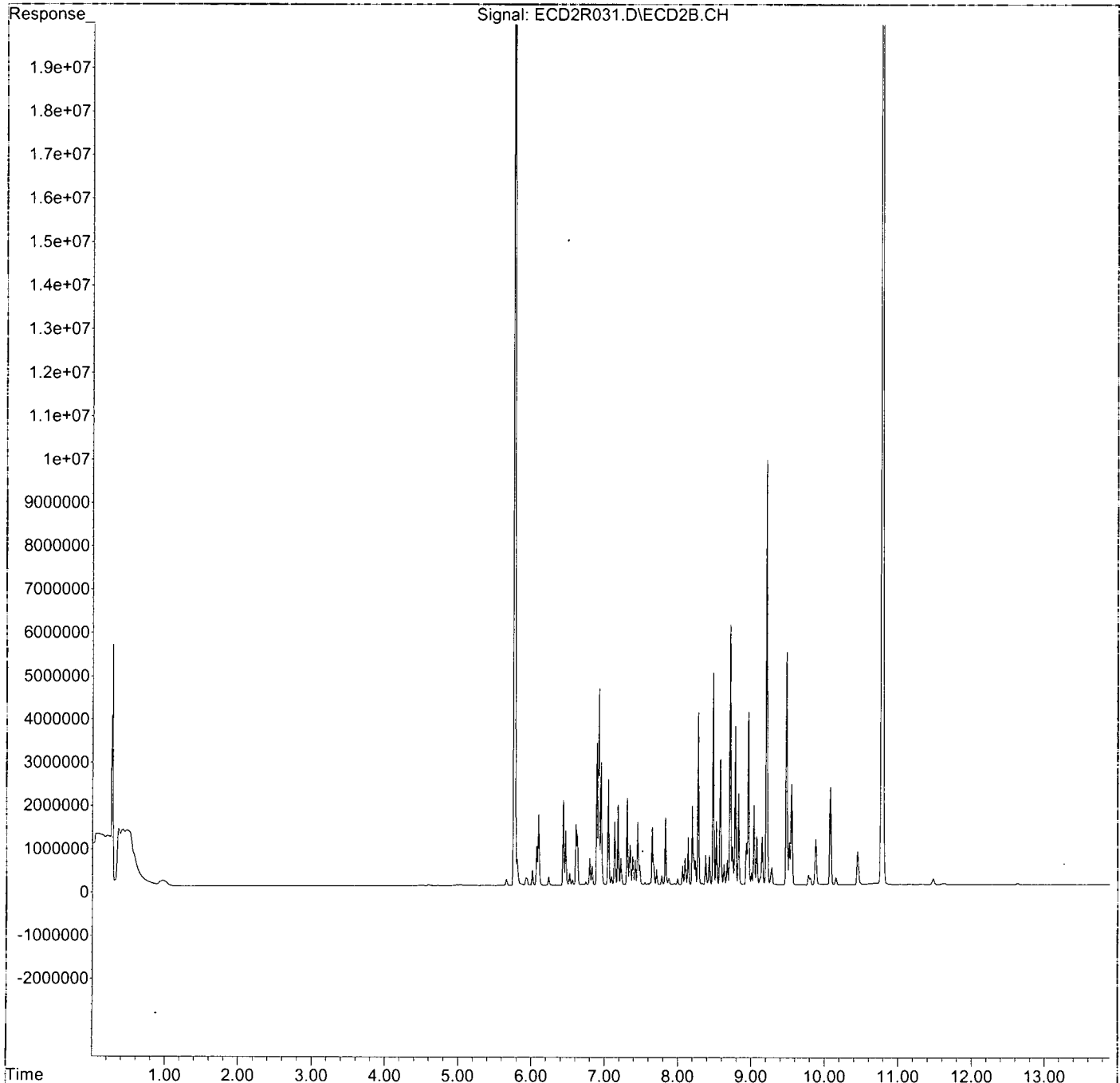
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R031.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 9:52 pm
Operator : MJB / KAK
Sample : 0F06004-CCV3
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:58:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0F06004\
 Data File : ECD2R032.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 10:09 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCB3
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:58:50 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 6/8/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.767	20791343	97.750 ng/ml
64) S DCBP (S)	10.784	14586662	91.443 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.433	845	0.213 ng/ml
3) Aroclor 1016 (2)	6.928	1768	0.199 ng/ml
4) Aroclor 1016 (3)	7.042	1040	0.221 ng/ml
5) Aroclor 1016 (4)	7.132	768	0.258 ng/ml
6) Aroclor 1016 (5)	7.180	869	0.236 ng/ml
7) Aroclor 1016 (6)	7.303	584	0.149 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.930	6960	5.347 ng/ml
10) Aroclor 1221 (2)	6.012	2197	1.749 ng/ml
11) Aroclor 1221 (3)	6.072	390159	89.846 ng/ml
12) Aroclor 1221 (4)	6.608	3397	5.171 ng/ml
13) Aroclor 1221 (5)	6.928	1768	2.861 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.072	390159	107.771 ng/ml
16) Aroclor 1232 (2)	6.433	845	0.537 ng/ml
17) Aroclor 1232 (3)	6.928	1768	0.494 ng/ml
18) Aroclor 1232 (4)	7.132	768	0.770 ng/ml
19) Aroclor 1232 (5)	7.180	869	0.665 ng/ml
20) Aroclor 1232 (6)	7.303	584	0.410 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.433	845	0.314 ng/ml
23) Aroclor 1242 (2)	6.928	1768	0.282 ng/ml
24) Aroclor 1242 (3)	7.042	1040	0.316 ng/ml
25) Aroclor 1242 (4)	7.132	768	0.409 ng/ml
26) Aroclor 1242 (5)	7.180	869	0.341 ng/ml
27) Aroclor 1242 (6)	7.303	584	0.218 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.890	484	0.149 ng/ml
30) Aroclor 1248 (2)	7.132	768	0.220 ng/ml
31) Aroclor 1248 (3)	7.180	869	0.236 ng/ml
32) Aroclor 1248 (4)	7.303	584	0.124 ng/ml
33) Aroclor 1248 (5)	7.669	2085	0.341 ng/ml
34) Aroclor 1248 (6)	7.827	16187	2.820 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.653	2020	0.365 ng/ml
37) Aroclor 1254 (2)	7.827	16187	1.750 ng/ml
38) Aroclor 1254 (3)	8.142	3797	0.320 ng/ml
39) Aroclor 1254 (4)	8.369	3487	0.397 ng/ml
40) Aroclor 1254 (5)	8.710	4079	0.434 ng/ml
41) Aroclor 1254 (6)	8.929	4561	1.547 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.274	4013	0.527 ng/ml
44) Aroclor 1260 (2)	8.481	4500	0.482 ng/ml

clean

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F06004\
 Data File : ECD2R032.D
 Signal(s) : ECD2B.CH
 Acq On : 06 Jun 2020 10:09 pm
 Operator : MJB / KAK
 Sample : 0F06004-CCB3
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 08 08:58:50 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:07:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.710	4079	0.359 ng/ml
46) Aroclor 1260 (4)	9.211	7413	0.386 ng/ml
47) Aroclor 1260 (5)	9.485	11615	1.047 ng/ml
48) Aroclor 1260 (6)	10.080	2188	0.415 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.481	4500	0.662 ng/ml
51) Aroclor 1262 (2)	8.788	3514	0.352 ng/ml
52) Aroclor 1262 (3)	8.979	44882	5.301 ng/ml
53) Aroclor 1262 (4)	9.211	7413	0.357 ng/ml
54) Aroclor 1262 (5)	9.485	11615	0.941 ng/ml
55) Aroclor 1262 (6)	10.080	2188	0.332 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.979	44882	10.328 ng/ml
58) Aroclor 1268 (2)	9.485	11615	0.492 ng/ml
59) Aroclor 1268 (3)	9.553	11350	0.460 ng/ml
60) Aroclor 1268 (4)	9.782	86527	4.368 ng/ml
61) Aroclor 1268 (5)	10.080	2188	0.289 ng/ml
62) Aroclor 1268 (6)	10.452	123372	1.722 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

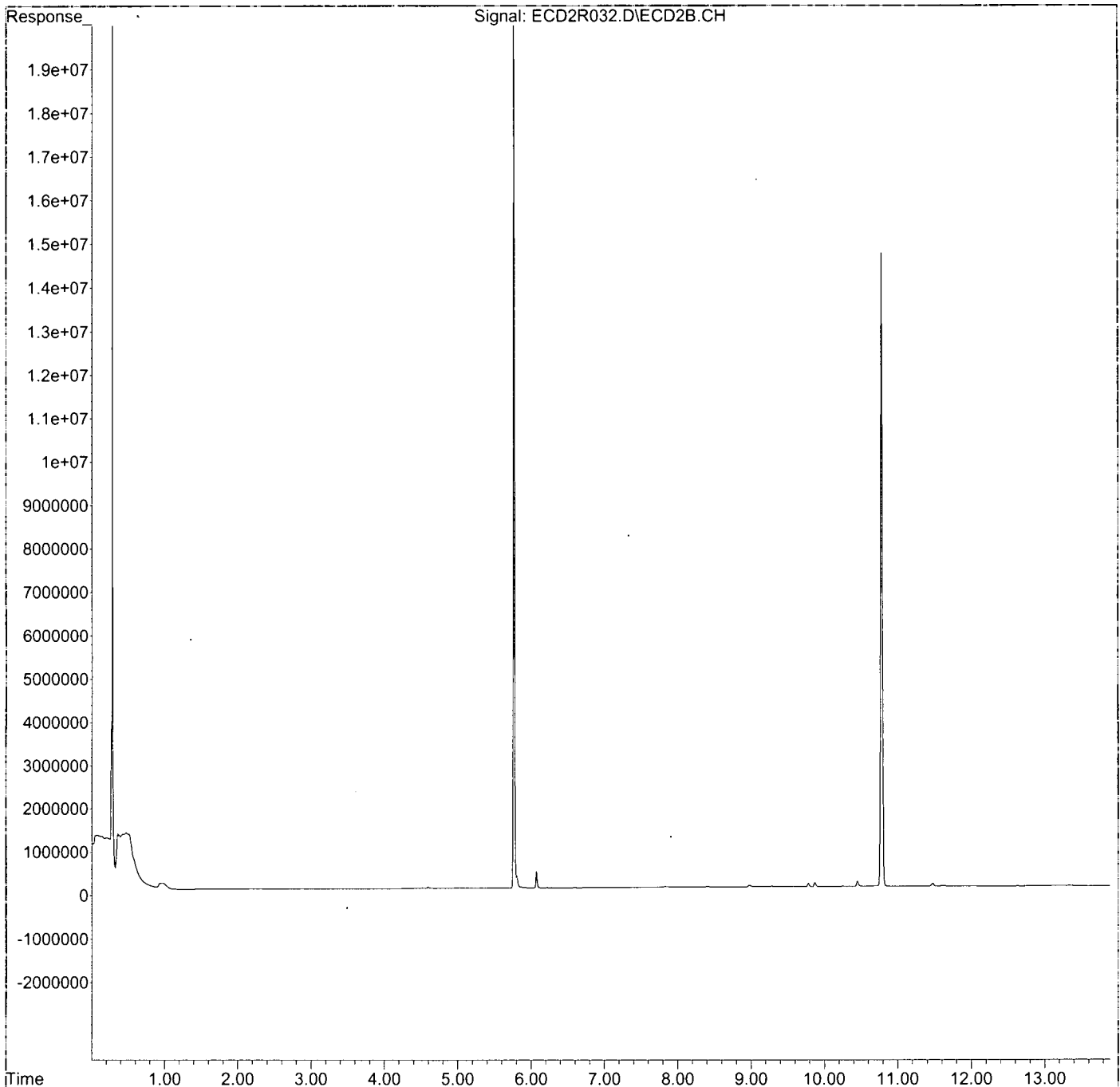
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0F06004\
Data File : ECD2R032.D
Signal(s) : ECD2B.CH
Acq On : 06 Jun 2020 10:09 pm
Operator : MJB / KAK
Sample : 0F06004-CCB3
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 08 08:58:50 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:07:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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

Sequence 0F07016 (A0E0668-04)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F07016

Instrument: DUALECD1F

Date: 06/07/20 11:11

Calibration: A0E0301

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F07016-CCV1	Sediment	QC	QC				A20E179
2	0F07016-CCB1	Sediment	QC	QC				A20F087
3	0060185-BLK1	Sediment	QC	QC		0060185		
4	0060185-BS1	Sediment	QC	QC		0060185		
5	A0E0186-07RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/20/20	0060185		
6	0F07016-IBL1	Sediment	QC	QC				
7	A0E0186-08RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/20/20	0060185		
8	0F07016-IBL2	Sediment	QC	QC				
9	A0E0668-04	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	06/05/20	0060185		
10	0F07016-IBL3	Sediment	QC	QC				
11	0060185-MS1	Sediment	QC	QC		0060185		
12	0F07016-IBL4	Sediment	QC	QC				
13	0060185-MSD1	Sediment	QC	QC		0060185		
14	0F07016-IBL5	Sediment	QC	QC				
15	0F07016-CCV2	Sediment	QC	QC				A20E179
16	0F07016-CCB2	Sediment	QC	QC				A20F087

Data Entered By/Date: AMS 6/8/20

Data Reviewed By/Date: MKZ 6/8/2020

Comments:

RT UPDATE

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.

0F07016-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	490.25
1016 (2)	533.61
1016 (3)	505.79
1016 (4)	493.11
1016 (5)	521.30
1016 (6)	521.97
Average:	511.01

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	529.71
1260 (2)	522.93
1260 (3)	537.83
1260 (4)	541.24
1260 (5)	569.27
1260 (6)	530.84
Average:	538.64

0060185-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	887.61
1016 (2)	1,031.31
1016 (3)	1,002.72
1016 (4)	980.49
1016 (5)	1,058.21
1016 (6)	1,070.03
Average:	1,005.06

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,199.07
1260 (2)	1,190.96
1260 (3)	1,265.99
1260 (4)	1,283.00
1260 (5)	1,371.00
1260 (6)	1,275.80
Average:	1,264.30

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.

0060185-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	825.91
1016 (2)	1,022.50
1016 (3)	916.96
1016 (4)	892.86
1016 (5)	939.67
1016 (6)	938.12
Average:	922.67

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,023.78
1260 (2)	1,025.70
1260 (3)	1,077.53
1260 (4)	1,062.78
1260 (5)	1,142.08
1260 (6)	1,108.79
Average:	1,073.44

0060185-MSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	905.72
1016 (2)	1,114.06
1016 (3)	1,001.57
1016 (4)	961.76
1016 (5)	1,032.25
1016 (6)	1,052.13
Average:	1,011.25

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,158.36
1260 (2)	1,149.79
1260 (3)	1,276.77
1260 (4)	1,262.46
1260 (5)	1,301.81
1260 (6)	1,238.46
Average:	1,231.28

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.

0F07016-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	457.00
1016 (2)	526.60
1016 (3)	473.30
1016 (4)	467.23
1016 (5)	497.93
1016 (6)	484.49
Average:	484.43

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	517.91
1260 (2)	508.64
1260 (3)	533.46
1260 (4)	538.03
1260 (5)	555.97
1260 (6)	530.16
Average:	530.70

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F002.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 11:50 am
 Operator : MJB / KAK
 Sample : 0F07016-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

AMS 6/8/20

Integration File: PCB1.e
 Quant Time: Jun 08 12:54:56 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.154	20826404	229.870 ng/ml
64) S DCBP (S)	10.098	15839580	261.531 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.069	1545405	490.251 ng/ml
3) Aroclor 1016 (2)	6.487	2978432	533.610 ng/ml
4) Aroclor 1016 (3)	6.570	1626306	505.789 ng/ml
5) Aroclor 1016 (4)	6.727	1439146	493.107 ng/ml
6) Aroclor 1016 (5)	6.953	1579445	521.305 ng/ml
7) Aroclor 1016 (6)	7.082	1113283	521.965 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.509	555501	499.268 ng/ml
10) Aroclor 1221 (2)	5.625	191609	275.711 ng/ml
11) Aroclor 1221 (3)	5.707	876806	374.780 ng/ml
12) Aroclor 1221 (4)	6.180	172779	448.363 ng/ml
13) Aroclor 1221 (5)	6.487	2978432	7620.499 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.707	876806	465.117 ng/ml
16) Aroclor 1232 (2)	6.487	2978432	1299.028 ng/ml
17) Aroclor 1232 (3)	6.570	1626306	1256.448 ng/ml
18) Aroclor 1232 (4)	6.727	1439146	1495.345 ng/ml
19) Aroclor 1232 (5)	6.953	1579445	1413.278 ng/ml
20) Aroclor 1232 (6)	7.082	1113283	1266.934 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.069	1545405	681.552 ng/ml
23) Aroclor 1242 (2)	6.487	2978432	688.710 ng/ml
24) Aroclor 1242 (3)	6.570	1626306	658.289 ng/ml
25) Aroclor 1242 (4)	6.727	1439146	718.830 ng/ml
26) Aroclor 1242 (5)	6.953	1579445	712.478 ng/ml
27) Aroclor 1242 (6)	7.082	1113283	605.623 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.487	2978432	1187.119 ng/ml
30) Aroclor 1248 (2)	6.727	1439146	416.027 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F002.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 11:50 am
 Operator : MJB / KAK
 Sample : 0F07016-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 12:54:56 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
31)	Aroclor 1248 (3)	6.953	1579445	435.871 ng/ml
32)	Aroclor 1248 (4)	7.250	298042	74.794 ng/ml
33)	Aroclor 1248 (5)	7.285	1069248	241.634 ng/ml
34)	Aroclor 1248 (6)	7.779	2180850	1018.714 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.285	1069248	239.595 ng/ml
37)	Aroclor 1254 (2)	7.394	1087322	214.672 ng/ml
38)	Aroclor 1254 (3)	7.779	2180850	290.578 ng/ml
39)	Aroclor 1254 (4)	7.939	301571	59.767 ng/ml
40)	Aroclor 1254 (5)	8.325	2701012	542.319 ng/ml
41)	Aroclor 1254 (6)	8.624	295734	184.060 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.892	2838100	529.710 ng/ml
44)	Aroclor 1260 (2)	8.025	3585111	522.934 ng/ml
45)	Aroclor 1260 (3)	8.592	2560997	537.833 ng/ml
46)	Aroclor 1260 (4)	8.762	6219766	541.239 ng/ml
47)	Aroclor 1260 (5)	9.072	3825380	569.270 ng/ml
48)	Aroclor 1260 (6)	9.514	1437716	530.840 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.025	3585111	686.988 ng/ml
51)	Aroclor 1262 (2)	8.354	2644688	357.436 ng/ml
52)	Aroclor 1262 (3)	8.592	2560997	423.859 ng/ml
53)	Aroclor 1262 (4)	8.762	6219766	475.060 ng/ml
54)	Aroclor 1262 (5)	9.072	3825380	542.033 ng/ml
55)	Aroclor 1262 (6)	9.514	1437716	402.258 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.592	2560997	754.172 ng/ml
58)	Aroclor 1268 (2)	9.015	1359180	91.805 ng/ml
59)	Aroclor 1268 (3)	9.072	3825380	313.697 ng/ml
60)	Aroclor 1268 (4)	9.270	138867	13.128 ng/ml
61)	Aroclor 1268 (5)	9.514	1437716	354.080 ng/ml
62)	Aroclor 1268 (6)	9.817	365334	12.416 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F002.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 11:50 am
Operator : MJB / KAK
Sample : 0F07016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

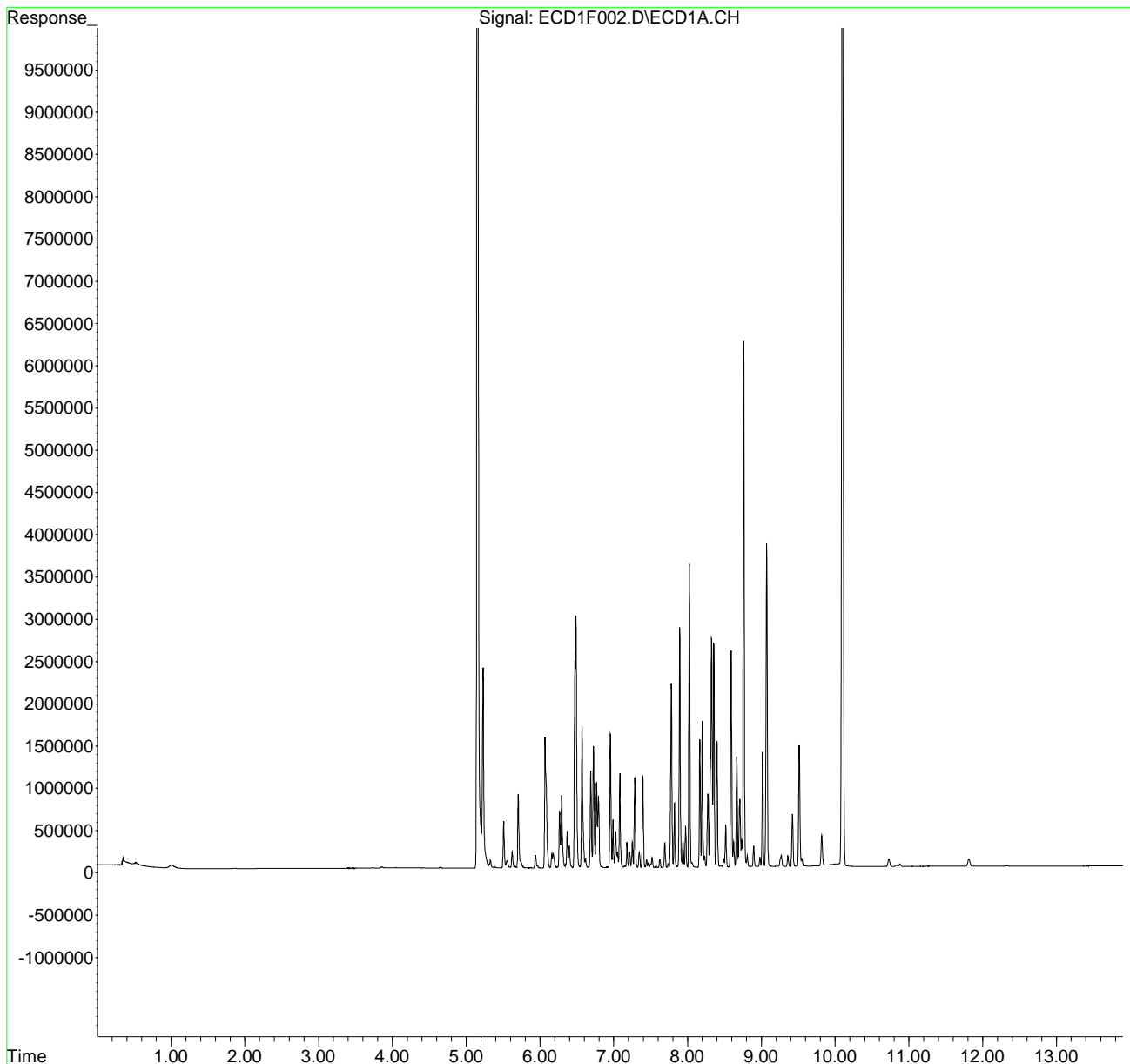
Integration File: PCB1.e
Quant Time: Jun 08 12:54:56 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F002.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 11:50 am
Operator : MJB / KAK
Sample : 0F07016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 12:54:56 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

AMS 6/8/20

Data Path : M:\DATA\0F07016\
 Data File : ECD1F003.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 12:08 pm
 Operator : MJB / KAK
 Sample : 0F07016-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:51:16 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.152	8969305	98.998 ng/ml
64) S DCBP (S)	10.093	6448861	106.479 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.097	1057	0.335 ng/ml
3) Aroclor 1016 (2)	6.501	3117	0.558 ng/ml
4) Aroclor 1016 (3)	6.583	1641	0.510 ng/ml
5) Aroclor 1016 (4)	6.741	1048	0.359 ng/ml
6) Aroclor 1016 (5)	6.960	1020	0.337 ng/ml
7) Aroclor 1016 (6)	7.086	1317	0.617 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.508	190824	171.507 ng/ml
10) Aroclor 1221 (2)	5.594	4888	7.034 ng/ml
11) Aroclor 1221 (3)	5.698	641	0.274 ng/ml
12) Aroclor 1221 (4)	6.174	586	1.521 ng/ml
13) Aroclor 1221 (5)	6.501	3117	7.974 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.698	641	0.340 ng/ml
16) Aroclor 1232 (2)	6.501	3117	1.359 ng/ml
17) Aroclor 1232 (3)	6.583	1641	1.268 ng/ml
18) Aroclor 1232 (4)	6.741	1048	1.089 ng/ml
19) Aroclor 1232 (5)	6.960	1020	0.913 ng/ml
20) Aroclor 1232 (6)	7.086	1317	1.498 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.097	1057	0.466 ng/ml
23) Aroclor 1242 (2)	6.501	3117	0.721 ng/ml
24) Aroclor 1242 (3)	6.583	1641	0.664 ng/ml
25) Aroclor 1242 (4)	6.741	1048	0.523 ng/ml
26) Aroclor 1242 (5)	6.960	1020	0.460 ng/ml
27) Aroclor 1242 (6)	7.086	1317	0.716 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.501	3117	1.242 ng/ml
30) Aroclor 1248 (2)	6.741	1048	0.303 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F003.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 12:08 pm
 Operator : MJB / KAK
 Sample : 0F07016-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:51:16 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
31) Aroclor 1248 (3)	6.960	1020	0.281 ng/ml
32) Aroclor 1248 (4)	7.253	550	0.138 ng/ml
33) Aroclor 1248 (5)	7.285	718	0.162 ng/ml
34) Aroclor 1248 (6)	7.778	1330	0.621 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.285	718	0.161 ng/ml
37) Aroclor 1254 (2)	7.398	823	0.163 ng/ml
38) Aroclor 1254 (3)	7.778	1330	0.177 ng/ml
39) Aroclor 1254 (4)	7.893f	1216	0.241 ng/ml
40) Aroclor 1254 (5)	8.340	4414	0.886 ng/ml
41) Aroclor 1254 (6)	8.622	912	0.568 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.893	1216	0.227 ng/ml
44) Aroclor 1260 (2)	8.024	2438	0.356 ng/ml
45) Aroclor 1260 (3)	8.590	1748	0.367 ng/ml
46) Aroclor 1260 (4)	8.759	10451	0.909 ng/ml
47) Aroclor 1260 (5)	9.068	3099	0.461 ng/ml
48) Aroclor 1260 (6)	9.511	1869	0.690 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.024	2438	0.467 ng/ml
51) Aroclor 1262 (2)	8.340	4414	0.597 ng/ml
52) Aroclor 1262 (3)	8.590	1748	0.289 ng/ml
53) Aroclor 1262 (4)	8.759	10451	0.798 ng/ml
54) Aroclor 1262 (5)	9.068	3099	0.439 ng/ml
55) Aroclor 1262 (6)	9.511	1869	0.523 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.590	1748	0.515 ng/ml
58) Aroclor 1268 (2)	9.012	1888	0.128 ng/ml
59) Aroclor 1268 (3)	9.068	3099	0.254 ng/ml
60) Aroclor 1268 (4)	9.268	40311	3.811 ng/ml
61) Aroclor 1268 (5)	9.511	1869	0.460 ng/ml
62) Aroclor 1268 (6)	9.814	35390	1.203 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F003.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 12:08 pm
Operator : MJB / KAK
Sample : 0F07016-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

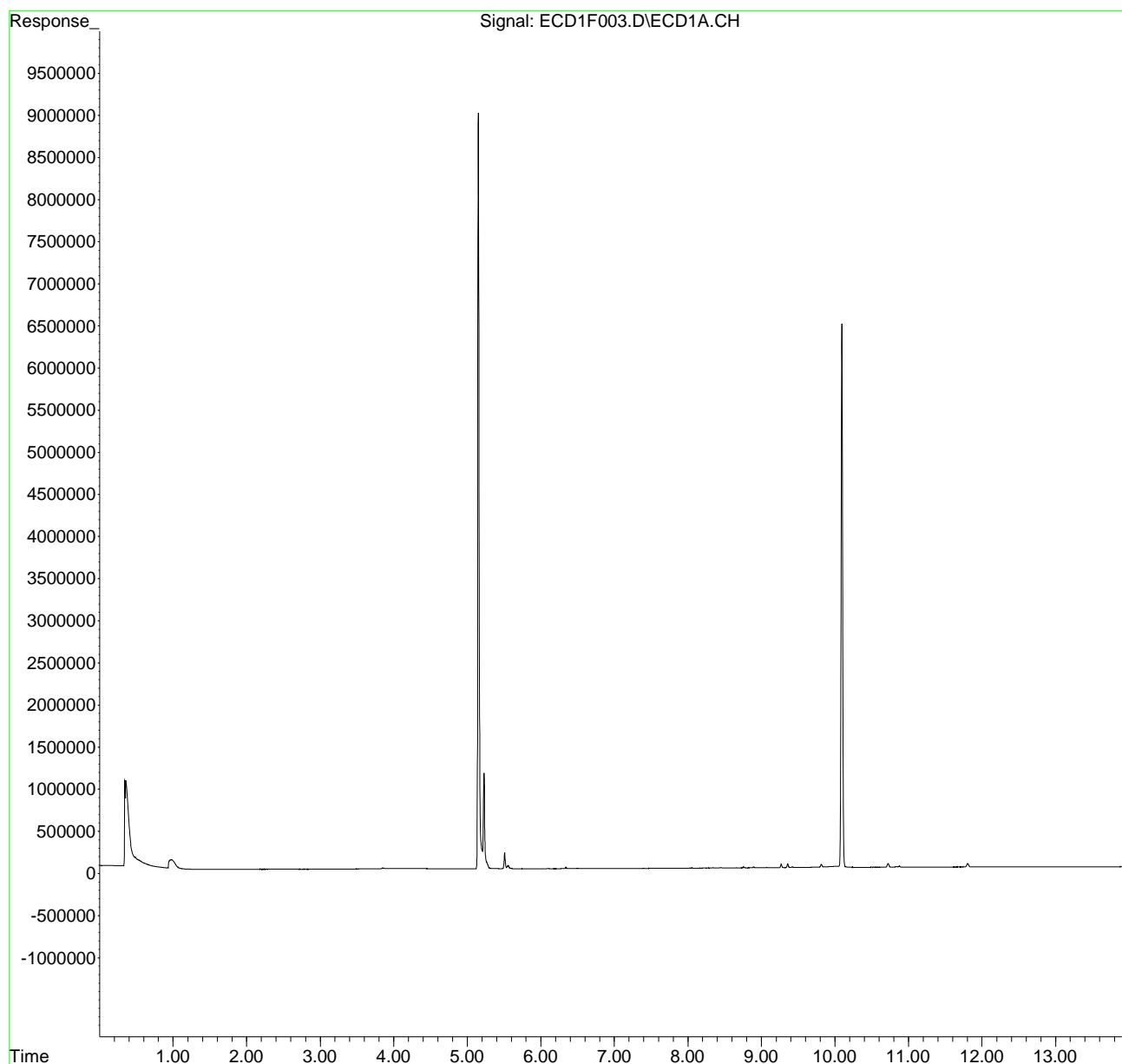
Integration File: PCB1.e
Quant Time: Jun 08 07:51:16 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F003.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 12:08 pm
Operator : MJB / KAK
Sample : 0F07016-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 07:51:16 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



AMS 6/8/20

Data Path : M:\DATA\0F07016\
 Data File : ECD1F004.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 12:49 pm
 Operator : MJB / KAK
 Sample : 0060185-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 12:56:46 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.157	14994319	165.499 ng/ml
64) S DCBP (S)	10.100	14738825	243.356 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.073	3744	1.188 ng/ml
3) Aroclor 1016 (2)	6.493	4015	0.719 ng/ml
4) Aroclor 1016 (3)	6.573	1599	0.497 ng/ml
5) Aroclor 1016 (4)	6.731	1826	0.626 ng/ml
6) Aroclor 1016 (5)	6.959	1575	0.520 ng/ml
7) Aroclor 1016 (6)	7.085	1535	0.720 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.513	307895	276.727 ng/ml
10) Aroclor 1221 (2)	5.640	2648	3.810 ng/ml
11) Aroclor 1221 (3)	5.706	4657	1.991 ng/ml
12) Aroclor 1221 (4)	6.179	2174	5.641 ng/ml
13) Aroclor 1221 (5)	6.493	4015	10.272 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.706	4657	2.471 ng/ml
16) Aroclor 1232 (2)	6.493	4015	1.751 ng/ml
17) Aroclor 1232 (3)	6.573	1599	1.236 ng/ml
18) Aroclor 1232 (4)	6.731	1826	1.897 ng/ml
19) Aroclor 1232 (5)	6.959	1575	1.409 ng/ml
20) Aroclor 1232 (6)	7.085	1535	1.747 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.073	3744	1.651 ng/ml
23) Aroclor 1242 (2)	6.493	4015	0.928 ng/ml
24) Aroclor 1242 (3)	6.573	1599	0.647 ng/ml
25) Aroclor 1242 (4)	6.731	1826	0.912 ng/ml
26) Aroclor 1242 (5)	6.959	1575	0.710 ng/ml
27) Aroclor 1242 (6)	7.085	1535	0.835 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.493	4015	1.600 ng/ml
30) Aroclor 1248 (2)	6.731	1826	0.528 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F004.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 12:49 pm
 Operator : MJB / KAK
 Sample : 0060185-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 12:56:46 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
31)	Aroclor 1248 (3)	6.959	1575	0.435 ng/ml
32)	Aroclor 1248 (4)	7.221	877	0.220 ng/ml
33)	Aroclor 1248 (5)	7.289	1331	0.301 ng/ml
34)	Aroclor 1248 (6)	7.782	2094	0.978 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.289	1331	0.298 ng/ml
37)	Aroclor 1254 (2)	7.399	1204	0.238 ng/ml
38)	Aroclor 1254 (3)	7.782	2094	0.279 ng/ml
39)	Aroclor 1254 (4)	7.940	817	0.162 ng/ml
40)	Aroclor 1254 (5)	8.343	3936	0.790 ng/ml
41)	Aroclor 1254 (6)	8.624	751	0.467 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.896	2035	0.380 ng/ml
44)	Aroclor 1260 (2)	8.027	2226	0.325 ng/ml
45)	Aroclor 1260 (3)	8.591	1394	0.293 ng/ml
46)	Aroclor 1260 (4)	8.764	4945	0.430 ng/ml
47)	Aroclor 1260 (5)	9.074	5181	0.771 ng/ml
48)	Aroclor 1260 (6)	9.518	4399	1.624 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.027	2226	0.427 ng/ml
51)	Aroclor 1262 (2)	8.343	3936	0.532 ng/ml
52)	Aroclor 1262 (3)	8.591	1394	0.231 ng/ml
53)	Aroclor 1262 (4)	8.764	4945	0.378 ng/ml
54)	Aroclor 1262 (5)	9.074	5181	0.734 ng/ml
55)	Aroclor 1262 (6)	9.518	4399	1.231 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.591	1394	0.411 ng/ml
58)	Aroclor 1268 (2)	9.016	4427	0.299 ng/ml
59)	Aroclor 1268 (3)	9.074	5181	0.425 ng/ml
60)	Aroclor 1268 (4)	9.273	263766	24.936 ng/ml
61)	Aroclor 1268 (5)	9.518	4399	1.083 ng/ml
62)	Aroclor 1268 (6)	9.820	559322	19.009 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F004.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 12:49 pm
Operator : MJB / KAK
Sample : 0060185-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

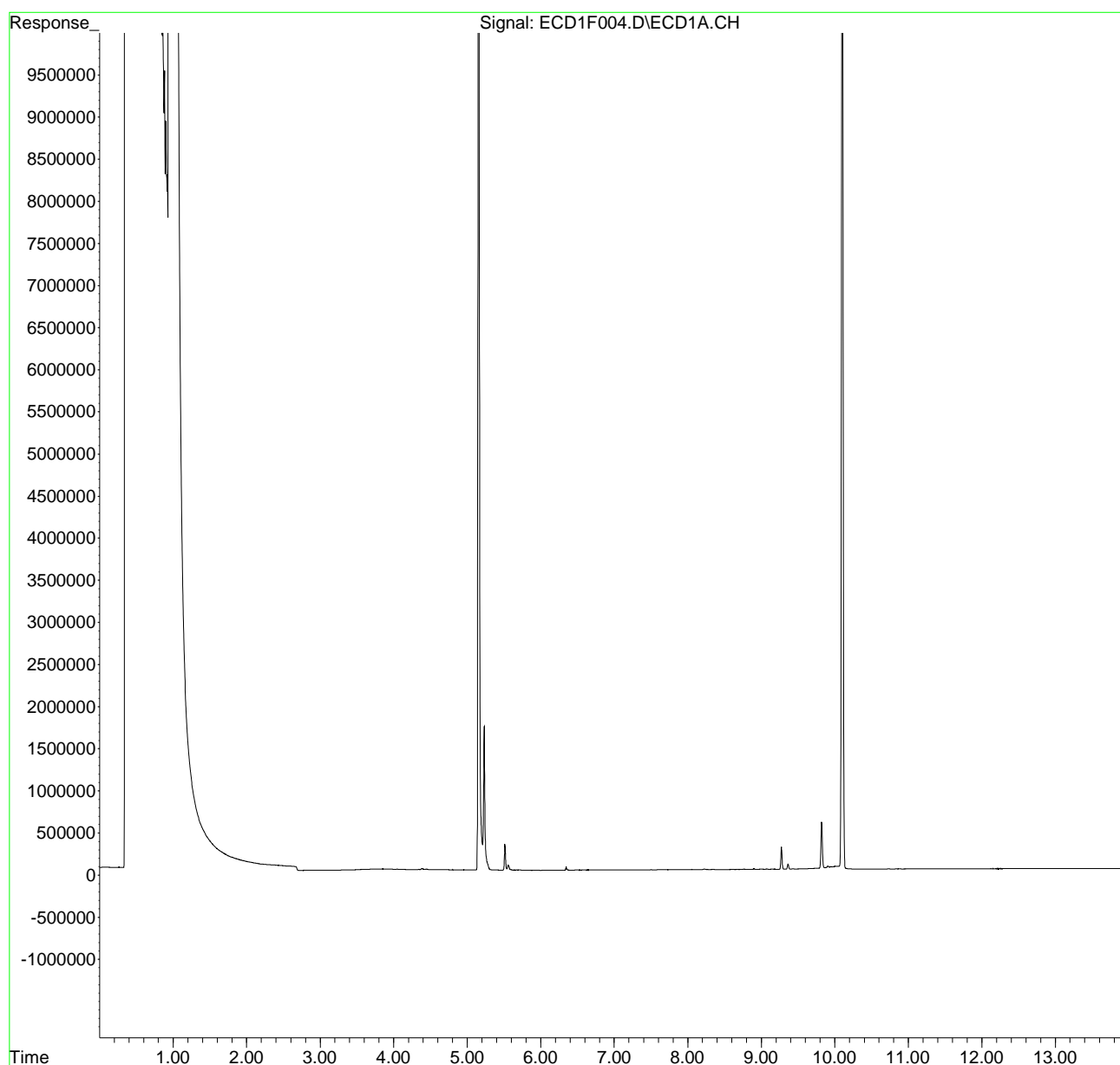
Integration File: PCB1.e
Quant Time: Jun 08 12:56:46 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F004.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 12:49 pm
Operator : MJB / KAK
Sample : 0060185-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 12:56:46 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

AMS 6/8/20

Data Path : M:\DATA\0F07016\
 Data File : ECD1F010.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 2:38 pm
 Operator : MJB / KAK
 Sample : A0E0668-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 13:45:21 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.153	13938056	153.840 ng/ml
64) S DCBP (S)	10.093	13004567	214.722 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.085	2670	0.847 ng/ml
3) Aroclor 1016 (2)	6.485	4166	0.746 ng/ml
4) Aroclor 1016 (3)	6.567	2633	0.819 ng/ml
5) Aroclor 1016 (4)	6.724	2724	0.933 ng/ml
6) Aroclor 1016 (5)	6.953	2630	0.868 ng/ml
7) Aroclor 1016 (6)	7.081	2815	1.320 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.509	291520	262.010 ng/ml
10) Aroclor 1221 (2)	5.628	2623	3.775 ng/ml
11) Aroclor 1221 (3)	5.701	6416	2.742 ng/ml
12) Aroclor 1221 (4)	6.169	2072	5.377 ng/ml
13) Aroclor 1221 (5)	6.485	4166	10.658 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.701	6416	3.403 ng/ml
16) Aroclor 1232 (2)	6.485	4166	1.817 ng/ml
17) Aroclor 1232 (3)	6.567	2633	2.034 ng/ml
18) Aroclor 1232 (4)	6.724	2724	2.830 ng/ml
19) Aroclor 1232 (5)	6.953	2630	2.353 ng/ml
20) Aroclor 1232 (6)	7.081	2815	3.204 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.085	2670	1.178 ng/ml
23) Aroclor 1242 (2)	6.485	4166	0.963 ng/ml
24) Aroclor 1242 (3)	6.567	2633	1.066 ng/ml
25) Aroclor 1242 (4)	6.724	2724	1.360 ng/ml
26) Aroclor 1242 (5)	6.953	2630	1.186 ng/ml
27) Aroclor 1242 (6)	7.081	2815	1.531 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.485	4166	1.660 ng/ml
30) Aroclor 1248 (2)	6.724	2724	0.787 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F010.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 2:38 pm
 Operator : MJB / KAK
 Sample : A0E0668-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 13:45:21 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
31)	Aroclor 1248 (3)	6.953	2630	0.726 ng/ml
32)	Aroclor 1248 (4)	7.249	2257	0.566 ng/ml
33)	Aroclor 1248 (5)	7.283	2655	0.600 ng/ml
34)	Aroclor 1248 (6)	7.774	7839	3.662 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.283	2655	0.595 ng/ml
37)	Aroclor 1254 (2)	7.416	13990	2.762 ng/ml
38)	Aroclor 1254 (3)	7.774	7839	1.045 ng/ml
39)	Aroclor 1254 (4)	7.935	6893	1.366 ng/ml
40)	Aroclor 1254 (5)	8.323	9714	1.950 ng/ml
41)	Aroclor 1254 (6)	8.586	6868	4.274 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.889	9272	1.731 ng/ml
44)	Aroclor 1260 (2)	8.024	8665	1.264 ng/ml
45)	Aroclor 1260 (3)	8.586	6868	1.442 ng/ml
46)	Aroclor 1260 (4)	8.758	11745	1.022 ng/ml
47)	Aroclor 1260 (5)	9.067	13640	2.030 ng/ml
48)	Aroclor 1260 (6)	9.511	16196	5.980 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.024	8665	1.660 ng/ml
51)	Aroclor 1262 (2)	8.337	10083	1.363 ng/ml
52)	Aroclor 1262 (3)	8.586	6868	1.137 ng/ml
53)	Aroclor 1262 (4)	8.758	11745	0.897 ng/ml
54)	Aroclor 1262 (5)	9.067	13640	1.933 ng/ml
55)	Aroclor 1262 (6)	9.511	16196	4.531 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.586	6868	2.022 ng/ml
58)	Aroclor 1268 (2)	8.998	14281	0.965 ng/ml
59)	Aroclor 1268 (3)	9.067	13640	1.119 ng/ml
60)	Aroclor 1268 (4)	9.266	209339	19.791 ng/ml
61)	Aroclor 1268 (5)	9.511	16196	3.989 ng/ml
62)	Aroclor 1268 (6)	9.812	453887	15.426 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F010.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 2:38 pm
Operator : MJB / KAK
Sample : A0E0668-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

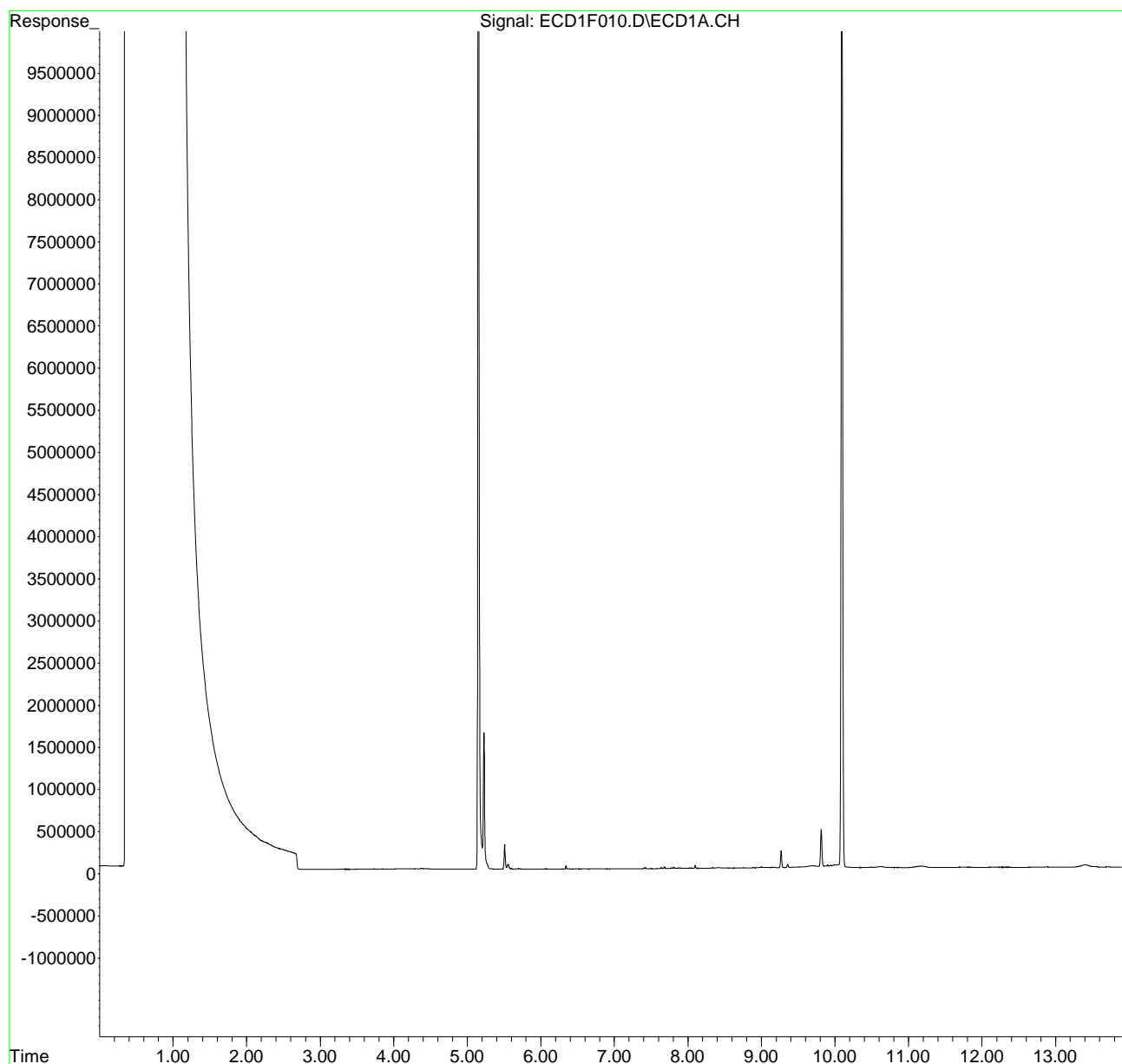
Integration File: PCB1.e
Quant Time: Jun 08 13:45:21 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F010.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 2:38 pm
Operator : MJB / KAK
Sample : A0E0668-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 13:45:21 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



AMS 6/8/20

Data Path : M:\DATA\0F07016\
 Data File : ECD1F012.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 3:14 pm
 Operator : MJB / KAK
 Sample : 0060185-MS1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:52:58 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.150	15880622	175.281 ng/ml
64) S DCBP (S)	10.086	12285591	202.850 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.065	2603502	825.912 ng/ml
3) Aroclor 1016 (2)	6.483	5707275	1022.503 ng/ml
4) Aroclor 1016 (3)	6.565	2948393	916.964 ng/ml
5) Aroclor 1016 (4)	6.722	2605844	892.862 ng/ml
6) Aroclor 1016 (5)	6.949	2847008	939.671 ng/ml
7) Aroclor 1016 (6)	7.077	2000891	938.122 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.505	561747	504.882 ng/ml
10) Aroclor 1221 (2)	5.621	314892	453.106 ng/ml
11) Aroclor 1221 (3)	5.704	1475472	630.673 ng/ml
12) Aroclor 1221 (4)	6.175	282946	734.245 ng/ml
13) Aroclor 1221 (5)	6.483	5707275	14602.408 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.704	1475472	782.690 ng/ml
16) Aroclor 1232 (2)	6.483	5707275	2489.198 ng/ml
17) Aroclor 1232 (3)	6.565	2948393	2277.863 ng/ml
18) Aroclor 1232 (4)	6.722	2605844	2707.603 ng/ml
19) Aroclor 1232 (5)	6.949	2847008	2547.485 ng/ml
20) Aroclor 1232 (6)	7.077	2000891	2277.047 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.065	2603502	1148.192 ng/ml
23) Aroclor 1242 (2)	6.483	5707275	1319.707 ng/ml
24) Aroclor 1242 (3)	6.565	2948393	1193.437 ng/ml
25) Aroclor 1242 (4)	6.722	2605844	1301.576 ng/ml
26) Aroclor 1242 (5)	6.949	2847008	1284.267 ng/ml
27) Aroclor 1242 (6)	7.077	2000891	1088.479 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.483	5707275	2274.758 ng/ml
30) Aroclor 1248 (2)	6.722	2605844	753.296 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F012.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 3:14 pm
 Operator : MJB / KAK
 Sample : 0060185-MS1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:52:58 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
31) Aroclor 1248 (3)	6.949	2847008	785.674 ng/ml
32) Aroclor 1248 (4)	7.245	541527	135.897 ng/ml
33) Aroclor 1248 (5)	7.280	1967829	444.700 ng/ml
34) Aroclor 1248 (6)	7.773	4131070	1929.696 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.280	1967829	440.948 ng/ml
37) Aroclor 1254 (2)	7.389	2027002	400.195 ng/ml
38) Aroclor 1254 (3)	7.773	4131070	550.426 ng/ml
39) Aroclor 1254 (4)	7.933	588192	116.570 ng/ml
40) Aroclor 1254 (5)	8.318	5472417	1098.771 ng/ml
41) Aroclor 1254 (6)	8.617	544859	339.111 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.886	5485257	1023.781 ng/ml
44) Aroclor 1260 (2)	8.019	7031940	1025.697 ng/ml
45) Aroclor 1260 (3)	8.585	5130854	1077.527 ng/ml
46) Aroclor 1260 (4)	8.754	12213151	1062.778 ng/ml
47) Aroclor 1260 (5)	9.063	7674526	1142.078 ng/ml
48) Aroclor 1260 (6)	9.504	3003015	1108.786 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.019	7031940	1347.477 ng/ml
51) Aroclor 1262 (2)	8.347	5200935	702.920 ng/ml
52) Aroclor 1262 (3)	8.585	5130854	849.184 ng/ml
53) Aroclor 1262 (4)	8.754	12213151	932.829 ng/ml
54) Aroclor 1262 (5)	9.063	7674526	1087.434 ng/ml
55) Aroclor 1262 (6)	9.504	3003015	840.213 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.585	5130854	1510.953 ng/ml
58) Aroclor 1268 (2)	9.007	2697949	182.232 ng/ml
59) Aroclor 1268 (3)	9.063	7674526	629.343 ng/ml
60) Aroclor 1268 (4)	9.260	322133	30.454 ng/ml
61) Aroclor 1268 (5)	9.504	3003015	739.581 ng/ml
62) Aroclor 1268 (6)	9.805	1055085	35.859 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F012.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 3:14 pm
Operator : MJB / KAK
Sample : 0060185-MS1
Misc :
ALS Vial : 9 Sample Multiplier: 1

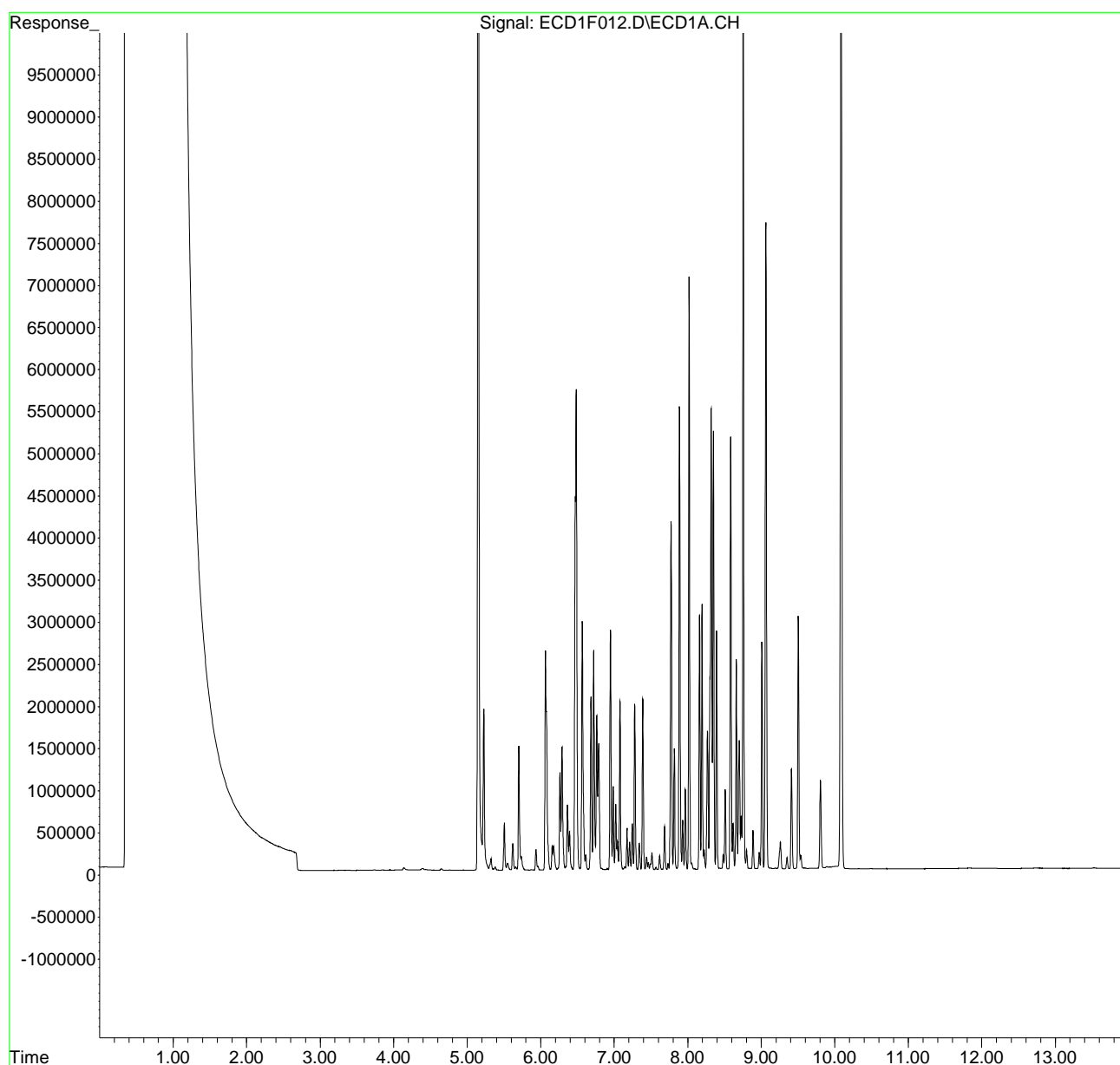
Integration File: PCB1.e
Quant Time: Jun 08 07:52:58 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F012.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 3:14 pm
Operator : MJB / KAK
Sample : 0060185-MS1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 07:52:58 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



AMS 6/8/20

Data Path : M:\DATA\0F07016\
 Data File : ECD1F014.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 3:51 pm
 Operator : MJB / KAK
 Sample : 0060185-MSD1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:53:15 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.151	15716305	173.468 ng/ml
64) S DCBP (S)	10.082	13437853	221.876 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.065	2855082	905.721 ng/ml
3) Aroclor 1016 (2)	6.482	6218333	1114.063 ng/ml
4) Aroclor 1016 (3)	6.564	3220433	1001.570 ng/ml
5) Aroclor 1016 (4)	6.721	2806928	961.761 ng/ml
6) Aroclor 1016 (5)	6.947	3127506	1032.251 ng/ml
7) Aroclor 1016 (6)	7.075	2244052	1052.128 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.505	583179	524.144 ng/ml
10) Aroclor 1221 (2)	5.622	322340	463.823 ng/ml
11) Aroclor 1221 (3)	5.703	1554688	664.533 ng/ml
12) Aroclor 1221 (4)	6.174	299886	778.206 ng/ml
13) Aroclor 1221 (5)	6.482	6218333	15909.981 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.703	1554688	824.712 ng/ml
16) Aroclor 1232 (2)	6.482	6218333	2712.093 ng/ml
17) Aroclor 1232 (3)	6.564	3220433	2488.035 ng/ml
18) Aroclor 1232 (4)	6.721	2806928	2916.540 ng/ml
19) Aroclor 1232 (5)	6.947	3127506	2798.473 ng/ml
20) Aroclor 1232 (6)	7.075	2244052	2553.768 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.065	2855082	1259.144 ng/ml
23) Aroclor 1242 (2)	6.482	6218333	1437.881 ng/ml
24) Aroclor 1242 (3)	6.564	3220433	1303.552 ng/ml
25) Aroclor 1242 (4)	6.721	2806928	1402.014 ng/ml
26) Aroclor 1242 (5)	6.947	3127506	1410.798 ng/ml
27) Aroclor 1242 (6)	7.075	2244052	1220.758 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.482	6218333	2478.451 ng/ml
30) Aroclor 1248 (2)	6.721	2806928	811.425 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F014.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 3:51 pm
 Operator : MJB / KAK
 Sample : 0060185-MSD1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:53:15 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
31)	Aroclor 1248 (3)	6.947	3127506	863.082 ng/ml
32)	Aroclor 1248 (4)	7.242	596439	149.677 ng/ml
33)	Aroclor 1248 (5)	7.278	2165411	489.351 ng/ml
34)	Aroclor 1248 (6)	7.771	4627077	2161.390 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.278	2165411	485.222 ng/ml
37)	Aroclor 1254 (2)	7.387	2275495	449.256 ng/ml
38)	Aroclor 1254 (3)	7.771	4627077	616.514 ng/ml
39)	Aroclor 1254 (4)	7.930	646283	128.083 ng/ml
40)	Aroclor 1254 (5)	8.317	6230602	1251.002 ng/ml
41)	Aroclor 1254 (6)	8.613	640047	398.355 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.884	6206323	1158.362 ng/ml
44)	Aroclor 1260 (2)	8.016	7882705	1149.792 ng/ml
45)	Aroclor 1260 (3)	8.582	6079596	1276.771 ng/ml
46)	Aroclor 1260 (4)	8.752	14507792	1262.455 ng/ml
47)	Aroclor 1260 (5)	9.060	8747915	1301.813 ng/ml
48)	Aroclor 1260 (6)	9.501	3354220	1238.459 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.016	7882705	1510.503 ng/ml
51)	Aroclor 1262 (2)	8.345	5721177	773.232 ng/ml
52)	Aroclor 1262 (3)	8.582	6079596	1006.206 ng/ml
53)	Aroclor 1262 (4)	8.752	14507792	1108.092 ng/ml
54)	Aroclor 1262 (5)	9.060	8747915	1239.527 ng/ml
55)	Aroclor 1262 (6)	9.501	3354220	938.476 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.582	6079596	1790.341 ng/ml
58)	Aroclor 1268 (2)	9.004	2972460	200.774 ng/ml
59)	Aroclor 1268 (3)	9.060	8747915	717.365 ng/ml
60)	Aroclor 1268 (4)	9.257	378575	35.790 ng/ml
61)	Aroclor 1268 (5)	9.501	3354220	826.076 ng/ml
62)	Aroclor 1268 (6)	9.803	1184123	40.244 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F014.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 3:51 pm
Operator : MJB / KAK
Sample : 0060185-MSD1
Misc :
ALS Vial : 10 Sample Multiplier: 1

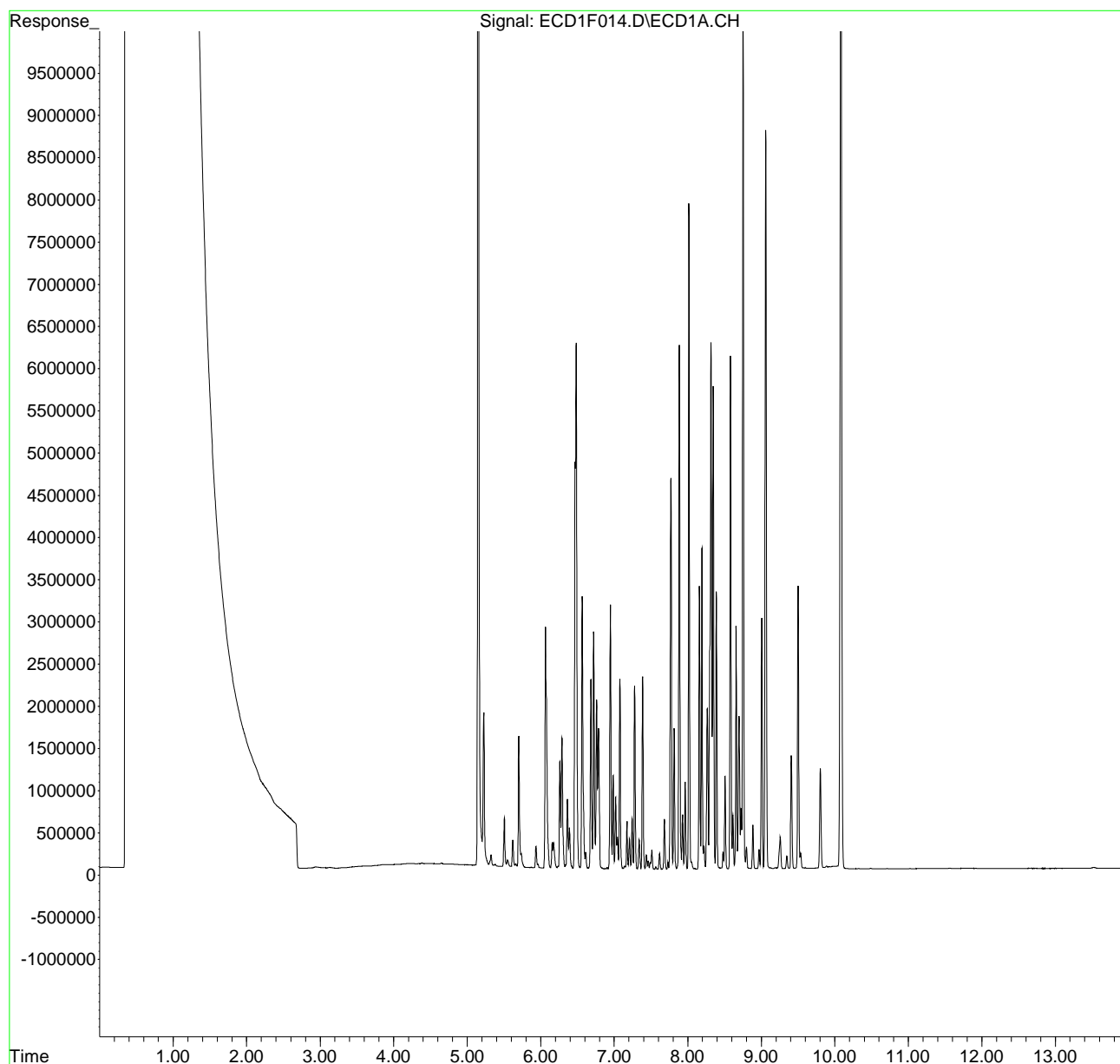
Integration File: PCB1.e
Quant Time: Jun 08 07:53:15 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F014.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 3:51 pm
Operator : MJB / KAK
Sample : 0060185-MSD1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 07:53:15 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

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Data Path : M:\DATA\0F07016\
 Data File : ECD1F016.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 4:27 pm
 Operator : MJB / KAK
 Sample : 0F07016-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:53:34 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.150	20061602	221.428 ng/ml
64) S DCBP (S)	10.084	15555837	256.846 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.064	1440605	457.005 ng/ml
3) Aroclor 1016 (2)	6.482	2939295	526.598 ng/ml
4) Aroclor 1016 (3)	6.565	1521848	473.302 ng/ml
5) Aroclor 1016 (4)	6.721	1363638	467.235 ng/ml
6) Aroclor 1016 (5)	6.947	1508636	497.934 ng/ml
7) Aroclor 1016 (6)	7.076	1033347	484.487 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.505	514071	462.032 ng/ml
10) Aroclor 1221 (2)	5.621	180043	259.068 ng/ml
11) Aroclor 1221 (3)	5.703	819181	350.149 ng/ml
12) Aroclor 1221 (4)	6.175	164894	427.901 ng/ml
13) Aroclor 1221 (5)	6.482	2939295	7520.364 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.703	819181	434.549 ng/ml
16) Aroclor 1232 (2)	6.482	2939295	1281.958 ng/ml
17) Aroclor 1232 (3)	6.565	1521848	1175.746 ng/ml
18) Aroclor 1232 (4)	6.721	1363638	1416.889 ng/ml
19) Aroclor 1232 (5)	6.947	1508636	1349.918 ng/ml
20) Aroclor 1232 (6)	7.076	1033347	1175.966 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.064	1440605	635.333 ng/ml
23) Aroclor 1242 (2)	6.482	2939295	679.660 ng/ml
24) Aroclor 1242 (3)	6.565	1521848	616.007 ng/ml
25) Aroclor 1242 (4)	6.721	1363638	681.115 ng/ml
26) Aroclor 1242 (5)	6.947	1508636	680.536 ng/ml
27) Aroclor 1242 (6)	7.076	1033347	562.138 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.482	2939295	1171.520 ng/ml
30) Aroclor 1248 (2)	6.721	1363638	394.200 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F016.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 4:27 pm
 Operator : MJB / KAK
 Sample : 0F07016-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 07:53:34 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
31)	Aroclor 1248 (3)	6.947	1508636	416.331	ng/ml
32)	Aroclor 1248 (4)	7.244	285133	71.554	ng/ml
33)	Aroclor 1248 (5)	7.279	1019106	230.303	ng/ml
34)	Aroclor 1248 (6)	7.772	2114042	987.506	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.279	1019106	228.359	ng/ml
37)	Aroclor 1254 (2)	7.388	1049232	207.152	ng/ml
38)	Aroclor 1254 (3)	7.772	2114042	281.676	ng/ml
39)	Aroclor 1254 (4)	7.932	297844	59.028	ng/ml
40)	Aroclor 1254 (5)	8.317	2624787	527.014	ng/ml
41)	Aroclor 1254 (6)	8.615	289401	180.118	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.885	2774872	517.909	ng/ml
44)	Aroclor 1260 (2)	8.017	3487086	508.635	ng/ml
45)	Aroclor 1260 (3)	8.583	2540176	533.461	ng/ml
46)	Aroclor 1260 (4)	8.753	6182845	538.026	ng/ml
47)	Aroclor 1260 (5)	9.062	3735997	555.969	ng/ml
48)	Aroclor 1260 (6)	9.503	1435881	530.162	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.017	3487086	668.204	ng/ml
51)	Aroclor 1262 (2)	8.346	2532222	342.236	ng/ml
52)	Aroclor 1262 (3)	8.583	2540176	420.413	ng/ml
53)	Aroclor 1262 (4)	8.753	6182845	472.240	ng/ml
54)	Aroclor 1262 (5)	9.062	3735997	529.368	ng/ml
55)	Aroclor 1262 (6)	9.503	1435881	401.745	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.583	2540176	748.040	ng/ml
58)	Aroclor 1268 (2)	9.005	1323954	89.426	ng/ml
59)	Aroclor 1268 (3)	9.062	3735997	306.367	ng/ml
60)	Aroclor 1268 (4)	9.258	131572	12.439	ng/ml
61)	Aroclor 1268 (5)	9.503	1435881	353.628	ng/ml
62)	Aroclor 1268 (6)	9.804	368037	12.508	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F016.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 4:27 pm
Operator : MJB / KAK
Sample : 0F07016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

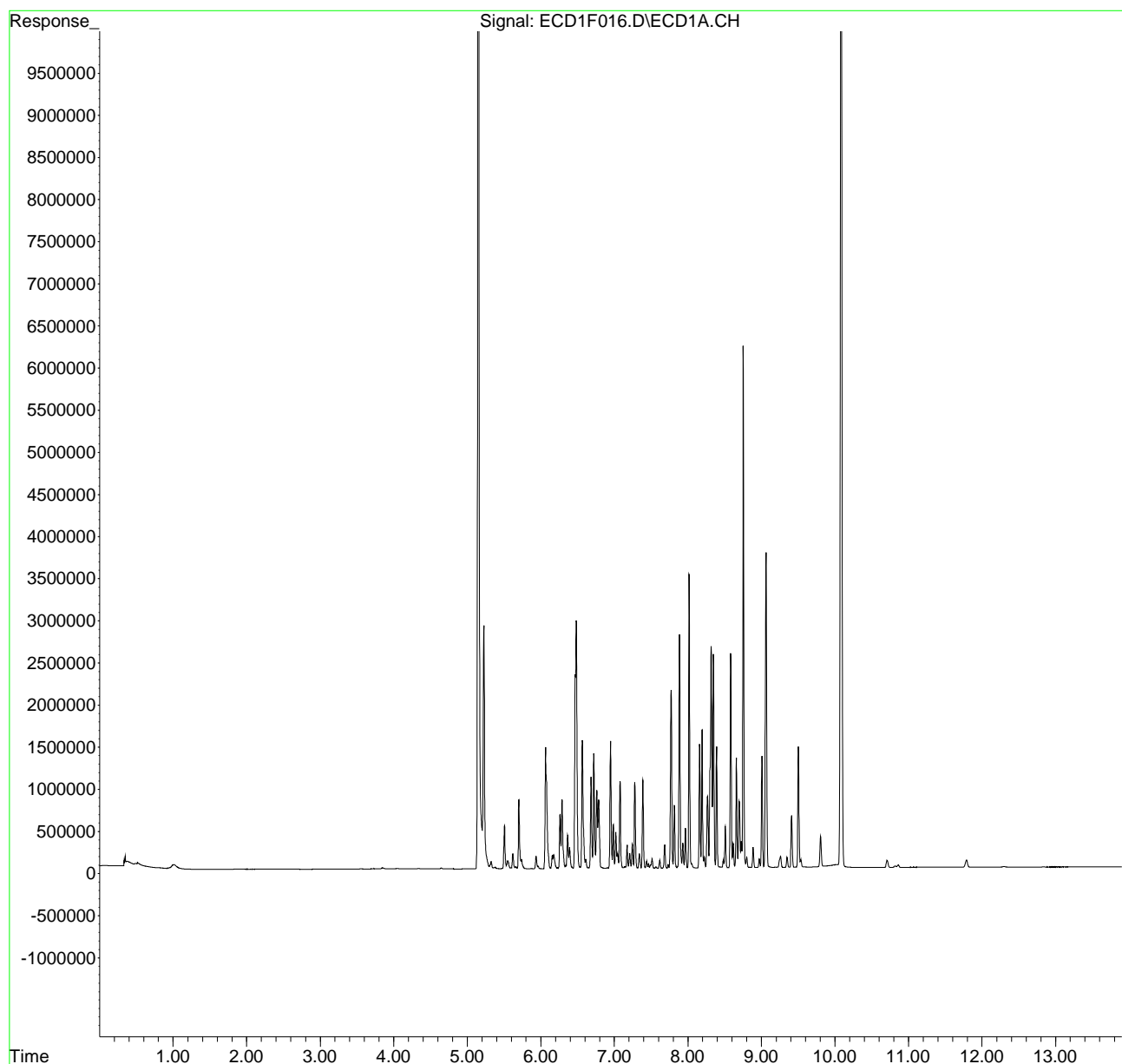
Integration File: PCB1.e
Quant Time: Jun 08 07:53:34 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F016.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 4:27 pm
Operator : MJB / KAK
Sample : 0F07016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 07:53:34 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



AMS 6/8/20

Data Path : M:\DATA\0F07016\
 Data File : ECD1F017.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 4:45 pm
 Operator : MJB / KAK
 Sample : 0F07016-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 13:49:03 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.150	9082375	100.246 ng/ml
64) S DCBP (S)	10.082	6609928	109.138 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.088	1230	0.390 ng/ml
3) Aroclor 1016 (2)	6.496	3999	0.717 ng/ml
4) Aroclor 1016 (3)	6.579	1995	0.620 ng/ml
5) Aroclor 1016 (4)	6.748	1662	0.569 ng/ml
6) Aroclor 1016 (5)	6.956	1276	0.421 ng/ml
7) Aroclor 1016 (6)	7.081	1329	0.623 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.506	186835	167.921 ng/ml
10) Aroclor 1221 (2)	5.594	4213	6.063 ng/ml
11) Aroclor 1221 (3)	5.695	721	0.308 ng/ml
12) Aroclor 1221 (4)	6.173	625	1.622 ng/ml
13) Aroclor 1221 (5)	6.496	3999	10.233 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.695	721	0.383 ng/ml
16) Aroclor 1232 (2)	6.496	3999	1.744 ng/ml
17) Aroclor 1232 (3)	6.579	1995	1.541 ng/ml
18) Aroclor 1232 (4)	6.748	1662	1.727 ng/ml
19) Aroclor 1232 (5)	6.956	1276	1.142 ng/ml
20) Aroclor 1232 (6)	7.081	1329	1.512 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.088	1230	0.543 ng/ml
23) Aroclor 1242 (2)	6.496	3999	0.925 ng/ml
24) Aroclor 1242 (3)	6.579	1995	0.807 ng/ml
25) Aroclor 1242 (4)	6.748	1662	0.830 ng/ml
26) Aroclor 1242 (5)	6.956	1276	0.576 ng/ml
27) Aroclor 1242 (6)	7.081	1329	0.723 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.496	3999	1.594 ng/ml
30) Aroclor 1248 (2)	6.748	1662	0.480 ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
 Data File : ECD1F017.D
 Signal(s) : ECD1A.CH
 Acq On : 07 Jun 2020 4:45 pm
 Operator : MJB / KAK
 Sample : 0F07016-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jun 08 13:49:03 2020
 Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
31)	Aroclor 1248 (3)	6.956	1276	0.352 ng/ml
32)	Aroclor 1248 (4)	7.247	598	0.150 ng/ml
33)	Aroclor 1248 (5)	7.281	752	0.170 ng/ml
34)	Aroclor 1248 (6)	7.773	1298	0.606 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.281	752	0.169 ng/ml
37)	Aroclor 1254 (2)	7.391	958	0.189 ng/ml
38)	Aroclor 1254 (3)	7.773	1298	0.173 ng/ml
39)	Aroclor 1254 (4)	7.933	560	0.111 ng/ml
40)	Aroclor 1254 (5)	8.331	3372	0.677 ng/ml
41)	Aroclor 1254 (6)	8.656	1144	0.712 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.886	1568	0.293 ng/ml
44)	Aroclor 1260 (2)	8.019	2857	0.417 ng/ml
45)	Aroclor 1260 (3)	8.583	1388	0.292 ng/ml
46)	Aroclor 1260 (4)	8.752	9505	0.827 ng/ml
47)	Aroclor 1260 (5)	9.062	3165	0.471 ng/ml
48)	Aroclor 1260 (6)	9.504	1537	0.567 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.019	2857	0.547 ng/ml
51)	Aroclor 1262 (2)	8.331	3372	0.456 ng/ml
52)	Aroclor 1262 (3)	8.583	1388	0.230 ng/ml
53)	Aroclor 1262 (4)	8.752	9505	0.726 ng/ml
54)	Aroclor 1262 (5)	9.062	3165	0.448 ng/ml
55)	Aroclor 1262 (6)	9.504	1537	0.430 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.583	1388	0.409 ng/ml
58)	Aroclor 1268 (2)	9.023	1373	0.093 ng/ml
59)	Aroclor 1268 (3)	9.062	3165	0.260 ng/ml
60)	Aroclor 1268 (4)	9.259	36681	3.468 ng/ml
61)	Aroclor 1268 (5)	9.504	1537	0.378 ng/ml
62)	Aroclor 1268 (6)	9.804	34773	1.182 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F017.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 4:45 pm
Operator : MJB / KAK
Sample : 0F07016-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

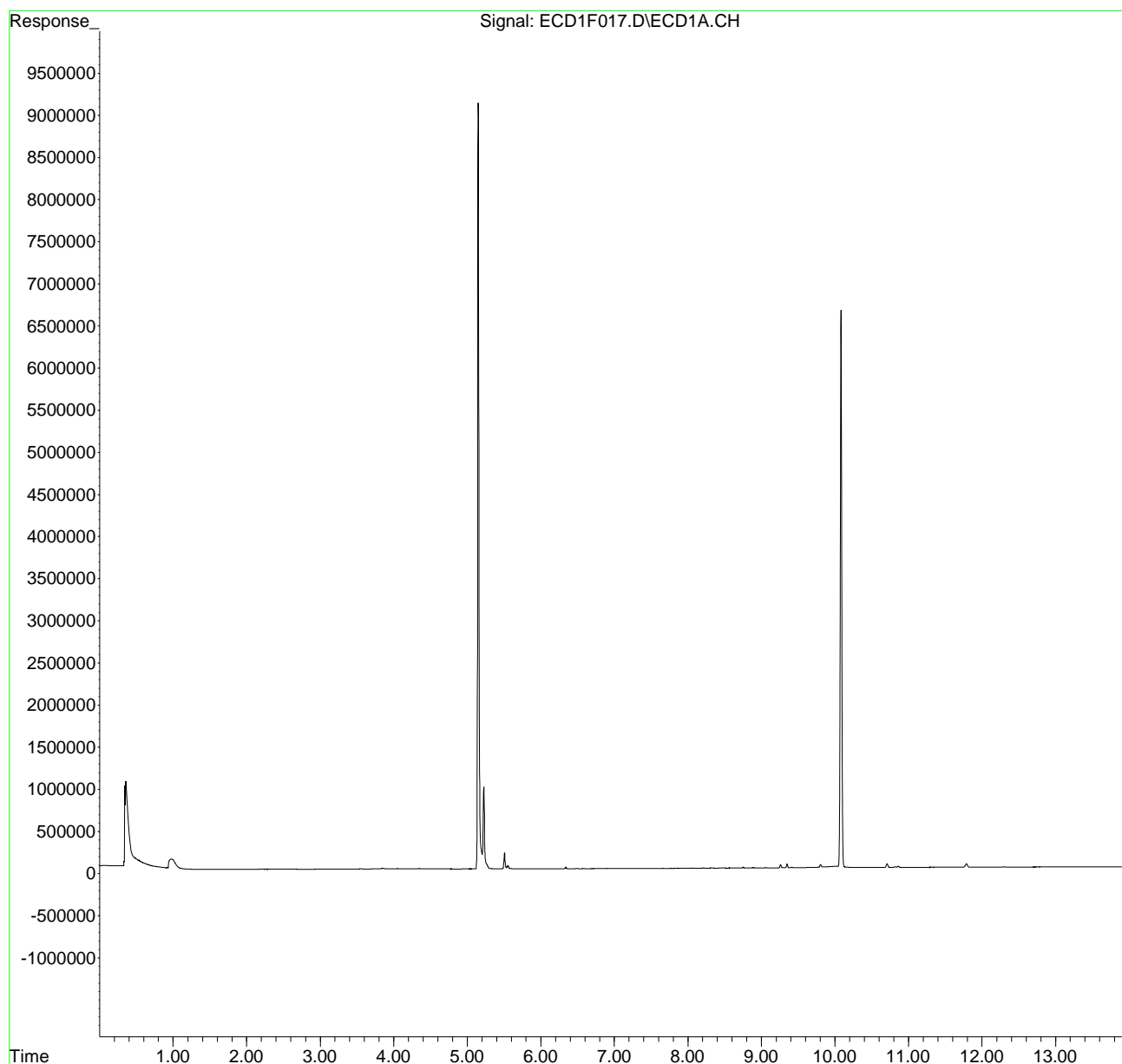
Integration File: PCB1.e
Quant Time: Jun 08 13:49:03 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
-----			(m)=manual int.
(f)=RT Delta > 1/2 Window			

Quantitation Report (Not Reviewed)

Data Path : M:\DATA\0F07016\
Data File : ECD1F017.D
Signal(s) : ECD1A.CH
Acq On : 07 Jun 2020 4:45 pm
Operator : MJB / KAK
Sample : 0F07016-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 08 13:49:03 2020
Quant Method : M:\METHODS\FECD1_QUANTPCB_200430RT9.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0D30020 (Cal ID A0E0301) DUALECD1F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D30020**

Instrument: **DUALECD1F**

Date: **04/30/20 06:15**

Calibration: **A0E0301**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D30020-ICB1	Water	QC	QC				A20D303
2	0D30020-CAL1	Water	QC	QC				A19L280
3	0D30020-CAL2	Water	QC	QC				A19L281
4	0D30020-CAL3	Water	QC	QC				A19L282
5	0D30020-CAL4	Water	QC	QC				A19L283
6	0D30020-CAL5	Water	QC	QC				A19L276
7	0D30020-CAL6	Water	QC	QC				A19L278
8	0D30020-CAL7	Water	QC	QC				A19L279
9	0D30020-IBL1	Water	QC	QC				
10	0D30020-ICV1	Water	QC	QC				A20B355
11	0D30020-CAL8	Water	QC	QC				A20C117
12	0D30020-CAL9	Water	QC	QC				A20B322
13	0D30020-CALA	Water	QC	QC				A20B323
14	0D30020-CALB	Water	QC	QC				A20B324
15	0D30020-CALC	Water	QC	QC				A20B325
16	0D30020-CALD	Water	QC	QC				A20B326
17	0D30020-CALE	Water	QC	QC				A20B327
18	0D30020-ICV2	Water	QC	QC				A20B353
19	0D30020-ICV3	Water	QC	QC				A20D351
20	0D30020-ICV4	Water	QC	QC				A20B354
21	0D30020-ICV5	Water	QC	QC				A20B130

Data Entered By: *[Signature]* 5/3/20

Comments:

Data Reviewed By: *[Signature]* 5/5/20

Calibration Status Report HP G1530A

Method Path : I:\METHODS\
 Method File : FECD1_QUANTPCB_200430.M
 Title : PCB Data Analysis
 Last Update : Sun May 03 14:59:09 2020
 Response Via : Initial Calibration

AOE0301

5/3/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	I:\DATA\0D30020\ECD1F004.D
2	2	25	0	I:\DATA\0D30020\ECD1F005.D
3	3	50	0	I:\DATA\0D30020\ECD1F006.D
4	4	100	0	I:\DATA\0D30020\ECD1F007.D
5	5	250	0	I:\DATA\0D30020\ECD1F017.D
6	6	500	0	I:\DATA\0D30020\ECD1F009.D
7	7	800	0	I:\DATA\0D30020\ECD1F010.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	May 03 14:56 2020	May 03 13:53 2020	30 Apr 2020 8:02
2	2	May 03 14:56 2020	May 03 13:55 2020	30 Apr 2020 8:20
3	3	May 03 14:56 2020	May 03 13:56 2020	30 Apr 2020 8:38
4	4	May 03 14:57 2020	May 03 13:58 2020	30 Apr 2020 8:57
5	5	May 03 14:59 2020	May 03 14:25 2020	30 Apr 2020 12:00
6	6	May 03 14:57 2020	May 03 14:15 2020	30 Apr 2020 9:33
7	7	May 03 14:57 2020	May 03 14:17 2020	30 Apr 2020 9:52

FECD1_QUANTPCB_200430.M Sun May 03 15:45:40 2020

Response Factor Report HP G1530A

Method Path : I:\METHODS\
 Method File : FECD1_QUANTPCB_200430.M
 Title : PCB Data Analysis
 Last Update : Sun May 03 14:59:09 2020
 Response Via : Initial Calibration

5/3/20

Calibration Files

1 =ECD1F004.D 2 =ECD1F005.D 3 =ECD1F006.D
 4 =ECD1F007.D 5 =ECD1F017.D 6 =ECD1F009.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	8.600	9.138	9.106	8.926	8.574	9.392	9.060	E4 4.44
2) Aroclor 1016 ...	3.752	3.417	3.253	2.977	2.877	2.848	3.152	E3 10.71 ✓
3) Aroclor 1016 ...	5.977	5.643	5.371	5.407	5.514	5.463	5.582	E3 3.78 ✓
4) Aroclor 1016 ...	3.674	3.456	3.202	3.071	3.020	3.004	3.215	E3 7.92 ✓
5) Aroclor 1016 ...	3.484	3.192	2.925	2.762	2.656	2.661	2.919	E3 10.67 ✓
6) Aroclor 1016 ...	3.588	3.296	2.991	2.882	2.812	2.763	3.030	E3 9.98 ✓
7) Aroclor 1016 (6)	2.552	2.297	2.116	2.062	2.003	1.932	2.133	E3 10.35 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.113		1.113	E3 0.00
10) Aroclor 1221 (2)					6.950		6.950	E2 0.00
11) Aroclor 1221 (3)					2.340		2.340	E3 0.00
12) Aroclor 1221 (4)					3.854		3.854	E2 0.00
13) Aroclor 1221 ...					3.908		3.908	E2 0.00
14) Aroclor 1221 ...							0.000	-1.00
15) Aroclor 1232 (1)					1.885		1.885	E3 0.00
16) Aroclor 1232 (2)					2.293		2.293	E3 0.00
17) Aroclor 1232 (3)					1.294		1.294	E3 0.00
18) Aroclor 1232 (4)					9.624		9.624	E2 0.00
19) Aroclor 1232 (5)					1.118		1.118	E3 0.00
20) Aroclor 1232 (6)					8.787		8.787	E2 0.00
21) Aroclor 1232 ...							0.000	-1.00
22) Aroclor 1242 ...					2.267		2.267	E3 0.00
23) Aroclor 1242 ...					4.325		4.325	E3 0.00
24) Aroclor 1242 ...					2.471		2.471	E3 0.00
25) Aroclor 1242 ...					2.002		2.002	E3 0.00
26) Aroclor 1242 ...					2.217		2.217	E3 0.00
27) Aroclor 1242 (6)					1.838		1.838	E3 0.00
28) Aroclor 1242 ...							0.000	-1.00
29) Aroclor 1248 ...					2.509		2.509	E3 0.00
30) Aroclor 1248 ...					3.459		3.459	E3 0.00
31) Aroclor 1248 ...					3.624		3.624	E3 0.00
32) Aroclor 1248 ...					3.985		3.985	E3 0.00
33) Aroclor 1248 ...					4.425		4.425	E3 0.00
34) Aroclor 1248 (6)					2.141		2.141	E3 0.00
35) Aroclor 1248 ...							0.000	-1.00
36) Aroclor 1254 ...					4.463		4.463	E3 0.00
37) Aroclor 1254 ...					5.065		5.065	E3 0.00
38) Aroclor 1254 ...					7.505		7.505	E3 0.00
39) Aroclor 1254 ...					5.046		5.046	E3 0.00
40) Aroclor 1254 ...					4.980		4.980	E3 0.00
41) Aroclor 1254 (6)					1.607		1.607	E3 0.00
42) Aroclor 1254 ...							0.000	-1.00
43) Aroclor 1260 ...	6.098	5.405	5.197	5.098	5.035	5.266	5.358	E3 6.64 ✓
44) Aroclor 1260 ...	7.393	6.969	6.630	6.693	6.612	6.692	6.856	E3 4.15 ✓
45) Aroclor 1260 (3)	5.337	4.845	4.661	4.531	4.547	4.693	4.762	E3 5.78 ✓
46) Aroclor 1260 (4)	1.151	1.102	1.093	1.147	1.141	1.183	1.149	E4 4.00 ✓
47) Aroclor 1260 (5)	6.992	6.653	6.458	6.563	6.521	6.749	6.720	E3 3.64 ✓
48) Aroclor 1260 (6)	3.101	2.940	2.634	2.558	2.558	2.582	2.708	E3 8.11 ✓
49) Aroclor 1260 ...							0.000	-1.00
50) Aroclor 1262 (1)					5.219		5.219	E3 0.00
51) Aroclor 1262 (2)					7.399		7.399	E3 0.00
52) Aroclor 1262 (3)					6.042		6.042	E3 0.00
53) Aroclor 1262 (4)					1.309		1.309	E4 0.00
54) Aroclor 1262 (5)					7.057		7.057	E3 0.00
55) Aroclor 1262 (6)					3.574		3.574	E3 0.00
56) Aroclor 1262 ...							0.000	-1.00
57) Aroclor 1268 (1)					3.396		3.396	E3 0.00
58) Aroclor 1268 (2)					1.480		1.480	E4 0.00
59) Aroclor 1268 (3)					1.219		1.219	E4 0.00
60) Aroclor 1268 (4)					1.058		1.058	E4 0.00

Response Factor Report HP G1530A

Method Path : I:\METHODS\
 Method File : FECD1_QUANTPCB_200430.M
 Title : PCB Data Analysis
 Last Update : Sun May 03 14:59:09 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD1F004.D 2 =ECD1F005.D 3 =ECD1F006.D
 4 =ECD1F007.D 5 =ECD1F017.D 6 =ECD1F009.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 (5)					4.060		4.060 E3	0.00
62) Aroclor 1268 (6)					2.942		2.942 E4	0.00
63) Aroclor 1268 ...							0.000	-1.00
64) S DCBP (S)	5.737	5.766	5.962	6.374	5.723	6.311	6.056 E4	5.60 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : I:\METHODS\
 Method File : FECD1_QUANTPCB_200430.M
 Title : PCB Data Analysis
 Last Update : Sun May 03 14:59:09 2020
 Response Via : Initial Calibration

Handwritten signature
 5/3/20

Total Cpnds : 64

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.219	1.000	A	H	L
2	Aroclor 1016 (1)	6.130	1.000	A	H	R
3	Aroclor 1016 (2)	6.546	1.000	A	H	R
4	Aroclor 1016 (3)	6.629	1.000	A	H	R
5	Aroclor 1016 (4)	6.784	1.000	A	H	R
6	Aroclor 1016 (5)	7.011	1.000	A	H	R
7	Aroclor 1016 (6)	7.139	1.000	A	H	R
8	Aroclor 1016 - AVE	2.422	1.000	A	H	R
9	Aroclor 1221 (1)	5.569	1.000	A	H	R
10	Aroclor 1221 (2)	5.688	1.000	A	H	R
11	Aroclor 1221 (3)	5.769	1.000	A	H	R
12	Aroclor 1221 (4)	6.238	1.000	A	H	B
13	Aroclor 1221 (5)	6.546	1.000	A	H	B
14	Aroclor 1221 - AVE	2.422	1.000	A	H	R
15	Aroclor 1232 (1)	5.770	1.000	A	H	R
16	Aroclor 1232 (2)	6.546	1.000	A	H	R
17	Aroclor 1232 (3)	6.629	1.000	A	H	R
18	Aroclor 1232 (4)	6.784	1.000	A	H	R
19	Aroclor 1232 (5)	7.011	1.000	A	H	R
20	Aroclor 1232 (6)	7.139	1.000	A	H	R
21	Aroclor 1232 - AVE	2.422	1.000	A	H	R
22	Aroclor 1242 (1)	6.130	1.000	A	H	R
23	Aroclor 1242 (2)	6.545	1.000	A	H	R
24	Aroclor 1242 (3)	6.628	1.000	A	H	R
25	Aroclor 1242 (4)	6.783	1.000	A	H	R
26	Aroclor 1242 (5)	7.009	1.000	A	H	R
27	Aroclor 1242 (6)	7.138	1.000	A	H	R
28	Aroclor 1242 - AVE	2.422	1.000	A	H	R
29	Aroclor 1248 (1)	6.546	1.000	A	H	R
30	Aroclor 1248 (2)	6.784	1.000	A	H	R
31	Aroclor 1248 (3)	7.010	1.000	A	H	R
32	Aroclor 1248 (4)	7.304	1.000	A	H	R
33	Aroclor 1248 (5)	7.344	1.000	A	H	R
34	Aroclor 1248 (6)	7.826	1.000	A	H	R
35	Aroclor 1248 - AVE	2.422	1.000	A	H	R
36	Aroclor 1254 (1)	7.341	1.000	A	H	R
37	Aroclor 1254 (2)	7.448	1.000	A	H	R
38	Aroclor 1254 (3)	7.826	1.000	A	H	R
39	Aroclor 1254 (4)	7.990	1.000	A	H	R
40	Aroclor 1254 (5)	8.377	1.000	A	H	R
41	Aroclor 1254 (6)	8.676	1.000	A	H	R
42	Aroclor 1254 - AVE	2.422	1.000	A	H	R
43	Aroclor 1260 (1)	7.947	1.000	A	H	R
44	Aroclor 1260 (2)	8.077	1.000	A	H	R
45	Aroclor 1260 (3)	8.645	1.000	A	H	R
46	Aroclor 1260 (4)	8.813	1.000	A	H	R
47	Aroclor 1260 (5)	9.127	1.000	A	H	R
48	Aroclor 1260 (6)	9.575	1.000	A	H	R
49	Aroclor 1260 - AVE	2.422	1.000	A	H	R
50	Aroclor 1262 (1)	8.077	1.000	A	H	R
51	Aroclor 1262 (2)	8.406	1.000	A	H	R
52	Aroclor 1262 (3)	8.643	1.000	A	H	R
53	Aroclor 1262 (4)	8.812	1.000	A	H	R
54	Aroclor 1262 (5)	9.125	1.000	A	H	R
55	Aroclor 1262 (6)	9.573	1.000	A	H	R
56	Aroclor 1262 - AVE	2.422	1.000	A	H	R

New

57	Aroclor 1268 (1)	8.636	1.000	A	H	R
58	Aroclor 1268 (2)	9.068	1.000	A	H	R
59	Aroclor 1268 (3)	9.117	1.000	A	H	R
60	Aroclor 1268 (4)	9.327	1.000	A	H	R
61	Aroclor 1268 (5)	9.573	1.000	A	H	R
62	Aroclor 1268 (6)	9.883	1.000	A	H	R
63	Aroclor 1268 - AVE	2.422	1.000	A	H	R
64	S DCBP (S)	10.173	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

FECD1_QUANTPCB_200430.M Sun May 03 15:45:29 2020

Element Calibration Review Sheet

Calibration ID: **A0E0301**

Instrument: **DUALECD1F**

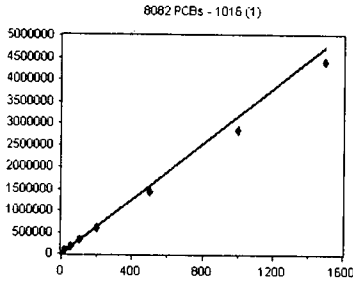
Calibration Date: **05/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD1_QUANTPCB_20043**

1016 (1)

Curve Fit: **AVERAGE RF**

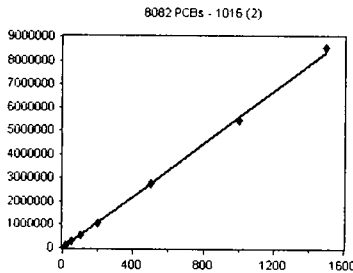


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	75043	3752.150	6.13
OD30020-CAL2	50	170865	3417.300	6.13
OD30020-CAL3	100	325287	3252.870	6.13
OD30020-CAL4	200	595490	2977.450	6.13
OD30020-CAL5	500	1438732	2877.464	6.13
OD30020-CAL6	1000	2847575	2847.575	6.13
OD30020-CAL7	1500	4411685	2941.123	6.13

AVE RF 3152.276 **RF RSD** 10.71 **AVE RT** 6.13

1016 (2)

Curve Fit: **AVERAGE RF**

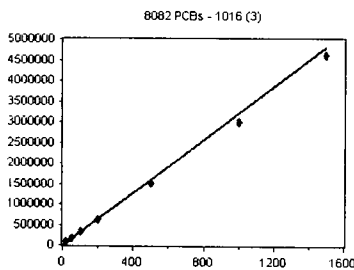


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	119539	5976.950	6.55
OD30020-CAL2	50	282167	5643.340	6.55
OD30020-CAL3	100	537127	5371.270	6.55
OD30020-CAL4	200	1081459	5407.295	6.55
OD30020-CAL5	500	2757074	5514.148	6.55
OD30020-CAL6	1000	5462902	5462.902	6.55
OD30020-CAL7	1500	8543704	5695.803	6.55

AVE RF 5581.673 **RF RSD** 3.78 **AVE RT** 6.55

1016 (3)

Curve Fit: **AVERAGE RF**

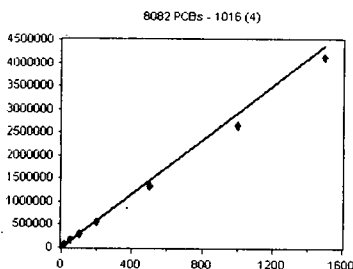


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	73475	3673.750	6.63
OD30020-CAL2	50	172778	3455.560	6.63
OD30020-CAL3	100	320183	3201.830	6.63
OD30020-CAL4	200	614115	3070.575	6.63
OD30020-CAL5	500	1509923	3019.846	6.63
OD30020-CAL6	1000	3004398	3004.398	6.63
OD30020-CAL7	1500	4622539	3081.693	6.63

AVE RF 3215.379 **RF RSD** 7.92 **AVE RT** 6.63

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	69674	3483.700	6.79
OD30020-CAL2	50	159597	3191.940	6.78
OD30020-CAL3	100	292455	2924.550	6.78
OD30020-CAL4	200	552352	2761.760	6.78
OD30020-CAL5	500	1327781	2655.562	6.78
OD30020-CAL6	1000	2660859	2660.859	6.78
OD30020-CAL7	1500	4127026	2751.351	6.78

AVE RF 2918.532 **RF RSD** 10.67 **AVE RT** 6.78

Element Calibration Review Sheet

Calibration ID: **A0E0301**

Instrument: **DUALECD1F**

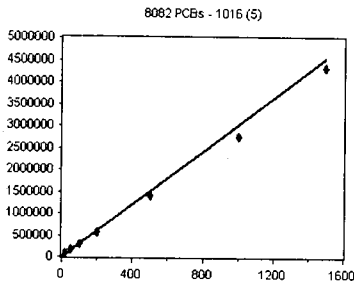
Calibration Date: **05/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD1_QUANTPCB_20043**

1016 (5)

Curve Fit: **AVERAGE RF**

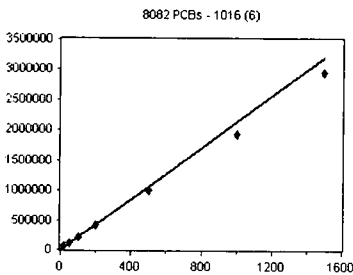


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	71768	3588.400	7.01
OD30020-CAL2	50	164792	3295.840	7.01
OD30020-CAL3	100	299056	2990.560	7.01
OD30020-CAL4	200	576402	2882.010	7.01
OD30020-CAL5	500	1405919	2811.838	7.01
OD30020-CAL6	1000	2763282	2763.282	7.01
OD30020-CAL7	1500	4314957	2876.638	7.01

AVE RF **3029.795** **RF RSD** **9.98** **AVE RT** **7.01**

1016 (6)

Curve Fit: **AVERAGE RF**

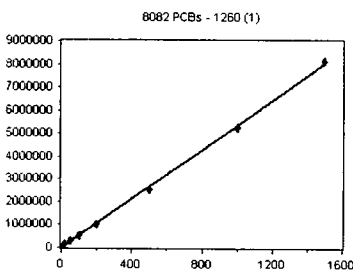


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	51049	2552.450	7.14
OD30020-CAL2	50	114833	2296.660	7.14
OD30020-CAL3	100	211571	2115.710	7.14
OD30020-CAL4	200	412480	2062.400	7.14
OD30020-CAL5	500	1001442	2002.884	7.14
OD30020-CAL6	1000	1931733	1931.733	7.14
OD30020-CAL7	1500	2952363	1968.242	7.14

AVE RF **2132.868** **RF RSD** **10.35** **AVE RT** **7.14**

1260 (1)

Curve Fit: **AVERAGE RF**

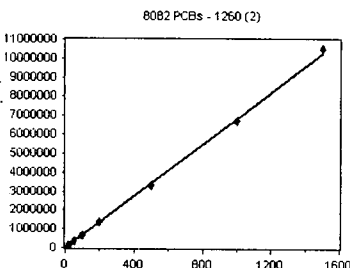


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	121959	6097.950	7.95
OD30020-CAL2	50	270225	5404.500	7.95
OD30020-CAL3	100	519694	5196.940	7.95
OD30020-CAL4	200	1019577	5097.885	7.95
OD30020-CAL5	500	2517299	5034.598	7.95
OD30020-CAL6	1000	5266096	5266.096	7.95
OD30020-CAL7	1500	8110406	5406.938	7.95

AVE RF **5357.844** **RF RSD** **6.64** **AVE RT** **7.95**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	147859	7392.950	8.08
OD30020-CAL2	50	348454	6969.080	8.08
OD30020-CAL3	100	662986	6629.860	8.08
OD30020-CAL4	200	1338508	6692.540	8.08
OD30020-CAL5	500	3306085	6612.170	8.08
OD30020-CAL6	1000	6691544	6691.544	8.08
OD30020-CAL7	1500	050338E+07	7002.253	8.08

AVE RF **6855.771** **RF RSD** **4.15** **AVE RT** **8.08**

Element Calibration Review Sheet

Calibration ID: **A0E0301**

Instrument: **DUALECD1F**

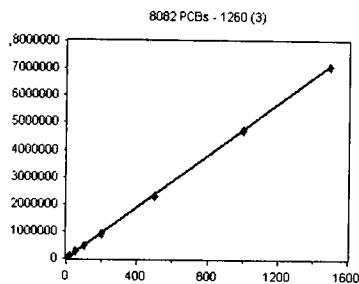
Calibration Date: **05/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD1_QUANTPCB_20043**

1260 (3)

Curve Fit: **AVERAGE RF**

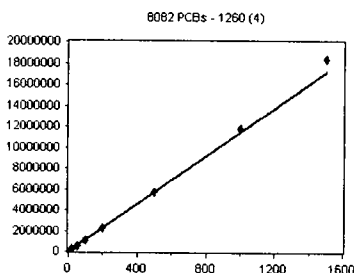


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	106746	5337.300	8.65
OD30020-CAL2	50	242267	4845.340	8.65
OD30020-CAL3	100	466052	4660.520	8.64
OD30020-CAL4	200	906277	4531.385	8.64
OD30020-CAL5	500	2273746	4547.492	8.65
OD30020-CAL6	1000	4692687	4692.687	8.64
OD30020-CAL7	1500	7075688	4717.125	8.65

AVE RF 4761.693 RF RSD 5.78 AVE RT 8.64

1260 (4)

Curve Fit: **AVERAGE RF**

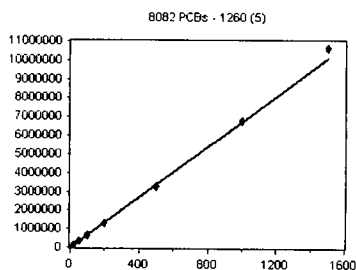


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	230204	11510.200	8.81
OD30020-CAL2	50	551055	11021.100	8.81
OD30020-CAL3	100	1092746	10927.460	8.81
OD30020-CAL4	200	2294103	11470.510	8.81
OD30020-CAL5	500	5706291	11412.580	8.81
OD30020-CAL6	1000	182602E+07	11826.020	8.81
OD30020-CAL7	1500	841129E+07	12274.190	8.81

AVE RF 11491.720 RF RSD 4.01 AVE RT 8.81

1260 (5)

Curve Fit: **AVERAGE RF**

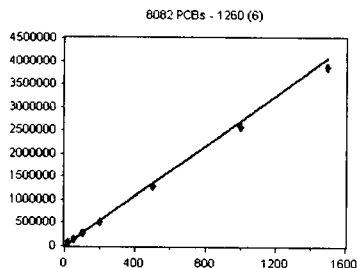


Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	139840	6992.000	9.13
OD30020-CAL2	50	332646	6652.920	9.13
OD30020-CAL3	100	645775	6457.750	9.13
OD30020-CAL4	200	1312681	6563.405	9.13
OD30020-CAL5	500	3260391	6520.782	9.13
OD30020-CAL6	1000	6748807	6748.807	9.13
OD30020-CAL7	1500	065434E+07	7102.894	9.13

AVE RF 6719.794 RF RSD 3.64 AVE RT 9.13

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD30020-CAL1	20	62024	3101.200	9.58
OD30020-CAL2	50	146979	2939.580	9.58
OD30020-CAL3	100	263397	2633.970	9.58
OD30020-CAL4	200	511599	2557.995	9.57
OD30020-CAL5	500	1278824	2557.648	9.58
OD30020-CAL6	1000	2581977	2581.977	9.58
OD30020-CAL7	1500	3879478	2586.319	9.57

AVE RF 2708.384 RF RSD 8.11 AVE RT 9.57

Element Calibration Review Sheet

Calibration ID: **A0E0301**

Instrument: **DUALECD1F**

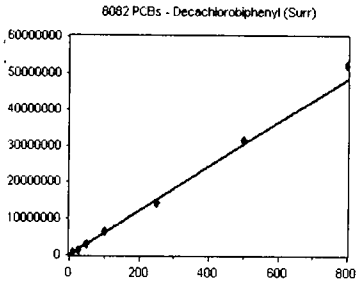
Calibration Date: **05/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD1_QUANTPCB_20043**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0D30020-CAL1	10	573652	57365.200	10.17
0D30020-CAL2	25	1441514	57660.560	10.17
0D30020-CAL3	50	2981125	59622.500	10.17
0D30020-CAL4	100	6373505	63735.050	10.17
0D30020-CAL5	250	430848E+07	57233.920	10.17
0D30020-CAL6	500	155658E+07	63113.160	10.17
0D30020-CAL7	800	217858E+07	65223.230	10.17

AVE RF **60564.800** RF RSD **5.60** AVE RT **10.17**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D30020

Analysis Included

1311/8082 TCLP PCBs
 608 PCBs
 608.3 PCBs
 608.3 PCBs - LL (1000/1mL) +1262/68
 8082 PCBs
 8082 PCBs - Low Level (2mL FV)
 8082 PCBs - Low Level (2mL FV) +1262/68
 8082 PCBs - Low Level (1000/1mL)
 8082 PCBs - Low Level (1000/1mL) (Diss)
 8082 PCBs - Low Level (1000/1mL) +1262/68
 8082 PCBs - Low Level (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD ID</u>	<u>Analyzed</u>
0D30020-ICB1	Initial Cal Blank	Water	A20D303		4/30/2020 7:44:00AM
0D30020-CAL1	Cal Standard	Water	A19L280	"	4/30/2020 8:02:00AM
0D30020-CAL2	Cal Standard	Water	A19L281	"	4/30/2020 8:20:00AM
0D30020-CAL3	Cal Standard	Water	A19L282	"	4/30/2020 8:38:00AM
0D30020-CAL4	Cal Standard	Water	A19L283	"	4/30/2020 8:57:00AM
0D30020-CAL5	Cal Standard	Water	A19L276	"	4/30/2020 9:15:00AM
0D30020-CAL6	Cal Standard	Water	A19L278	"	4/30/2020 9:33:00AM
0D30020-CAL7	Cal Standard	Water	A19L279	"	4/30/2020 9:52:00AM
0D30020-ICV1	Initial Cal Check	Water	A20B355	"	4/30/2020 10:28:00AM
0D30020-CAL8	Cal Standard	Water	A20C117	"	4/30/2020 10:47:00AM
0D30020-CAL9	Cal Standard	Water	A20B322	"	4/30/2020 11:05:00AM
0D30020-CALA	Cal Standard	Water	A20B323	"	4/30/2020 11:23:00AM
0D30020-CALB	Cal Standard	Water	A20B324	"	4/30/2020 11:41:00AM
0D30020-CALC	Cal Standard	Water	A20B325	"	4/30/2020 12:00:00PM
0D30020-CALD	Cal Standard	Water	A20B326	"	4/30/2020 12:18:00PM
0D30020-CALE	Cal Standard	Water	A20B327	"	4/30/2020 12:36:00PM
0D30020-ICV2	Initial Cal Check	Water	A20B353	"	4/30/2020 12:55:00PM
0D30020-ICV3	Initial Cal Check	Water	A20D351	"	4/30/2020 1:13:00PM
0D30020-ICV4	Initial Cal Check	Water	A20B354	"	4/30/2020 1:31:00PM
0D30020-ICV5	Initial Cal Check	Water	A20B130	"	4/30/2020 1:49:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: A0E0301 Instrument: DUALECD1F

1311/8082 TCLP PCBs Sequence: 0D30020 Matrix: Water

<u>0D30020-CAL1</u>	<u>Inst. MRL</u>	<u>Recalc Res.</u>	<u>Cal Level</u>	<u>%Rec.</u>	<u>Qual</u>
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
<u>0D30020-CAL2</u>	<u>Inst. MRL</u>	<u>Recalc Res.</u>	<u>Cal Level</u>	<u>%Rec.</u>	<u>Qual</u>

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D30020

Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
0D30020-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
0D30020-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
0D30020-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
0D30020-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1000	0	
Aroclor 1260	800.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
0D30020-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1500	0	
Aroclor 1260	800.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
0D30020-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1221	0.0000	0.00	500	0	
Aroclor 1221	0.0000	0.00	500	0	
0D30020-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1232	0.0000	0.00	500	0	
Aroclor 1232	0.0000	0.00	500	0	
0D30020-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1242	0.0000	0.00	500	0	
Aroclor 1242	0.0000	0.00	500	0	
0D30020-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1248	0.0000	0.00	500	0	
Aroclor 1248	0.0000	0.00	500	0	
0D30020-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D30020

Aroclor 1254	0.0000	0.00	500	0	
0D30020-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
Aroclor 1262	0.0000	0.00	500	0	
0D30020-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1268	0.0000	0.00	500	0	
Aroclor 1268	0.0000	0.00	500	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier iMDL iMRL Spike Amt %Difference OK? Raise MRL to ?
_____ _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0E0301**

Instrument: **DUALECD1F**

8082 PCBs - Low Level (2mL)

Sequence: **0D30020**

Matrix: **Water**

0D30020-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)		500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)		500	340.04	68	
1260 (6)	20	500	340.04	68	
1260 (6)	20	500	340.04	68	

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F003.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 7:44
 Operator : MJB / KAK
 Sample : 0D30020-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:16:44 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 5/3/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.223	7945005	87.692 ng/ml
64) S DCBP (S)	10.177	5287307	87.300 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.113	1048	0.332 ng/ml
3) Aroclor 1016 (2)	6.528	1194	0.214 ng/ml
4) Aroclor 1016 (3)	6.623	1319	0.410 ng/ml
5) Aroclor 1016 (4)	6.786	1977	0.677 ng/ml
6) Aroclor 1016 (5)	7.054f	557	0.184 ng/ml
7) Aroclor 1016 (6)	7.144	2154	1.010 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.578	153320	137.799 ng/ml
10) Aroclor 1221 (2)	5.693	1330	1.914 ng/ml
11) Aroclor 1221 (3)	5.769	2016	0.862 ng/ml
12) Aroclor 1221 (4)	6.232	1051	2.727 ng/ml
13) Aroclor 1221 (5)	6.528	1194	3.055 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.769	2016	1.069 ng/ml
16) Aroclor 1232 (2)	6.528	1194	0.521 ng/ml
17) Aroclor 1232 (3)	6.623	1319	1.019 ng/ml
18) Aroclor 1232 (4)	6.786	1977	2.054 ng/ml
19) Aroclor 1232 (5)	7.054f	557	0.498 ng/ml
20) Aroclor 1232 (6)	7.144	2154	2.452 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.113	1048	0.462 ng/ml
23) Aroclor 1242 (2)	6.528	1194	0.276 ng/ml
24) Aroclor 1242 (3)	6.623	1319	0.534 ng/ml
25) Aroclor 1242 (4)	6.786	1977	0.988 ng/ml
26) Aroclor 1242 (5)	7.054f	557	0.251 ng/ml
27) Aroclor 1242 (6)	7.144	2154	1.172 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.528	1194	0.476 ng/ml
30) Aroclor 1248 (2)	6.786	1977	0.572 ng/ml
31) Aroclor 1248 (3)	7.054f	557	0.154 ng/ml
32) Aroclor 1248 (4)	7.335	1700	0.427 ng/ml
33) Aroclor 1248 (5)	7.335	1700	0.384 ng/ml
34) Aroclor 1248 (6)	7.842	3689	1.723 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.335	1700	0.381 ng/ml
37) Aroclor 1254 (2)	7.413	542	0.107 ng/ml
38) Aroclor 1254 (3)	7.842	3689	0.492 ng/ml
39) Aroclor 1254 (4)	7.977	2434	0.482 ng/ml
40) Aroclor 1254 (5)	8.400	14480	2.907 ng/ml
41) Aroclor 1254 (6)	8.679	1450	0.903 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.955	796	0.149 ng/ml
44) Aroclor 1260 (2)	8.080	2030	0.296 ng/ml
45) Aroclor 1260 (3)	8.643	2930	0.615 ng/ml

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F003.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 7:44
 Operator : MJB / KAK
 Sample : 0D30020-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:16:44 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
46)	Aroclor 1260 (4)	8.818	17543	1.527 ng/ml
47)	Aroclor 1260 (5)	9.131	6471	0.963 ng/ml
48)	Aroclor 1260 (6)	9.583	3548	1.310 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.080	2030	0.389 ng/ml
51)	Aroclor 1262 (2)	8.400	14480	1.957 ng/ml
52)	Aroclor 1262 (3)	8.643	2930	0.485 ng/ml
53)	Aroclor 1262 (4)	8.818	17543	1.340 ng/ml
54)	Aroclor 1262 (5)	9.131	6471	0.917 ng/ml
55)	Aroclor 1262 (6)	9.583	3548	0.993 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.643	2930	0.863 ng/ml
58)	Aroclor 1268 (2)	9.041	2346	0.158 ng/ml
59)	Aroclor 1268 (3)	9.131	6471	0.531 ng/ml
60)	Aroclor 1268 (4)	9.334	59446	5.620 ng/ml
61)	Aroclor 1268 (5)	9.583	3548	0.874 ng/ml
62)	Aroclor 1268 (6)	9.889	38758	1.317 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

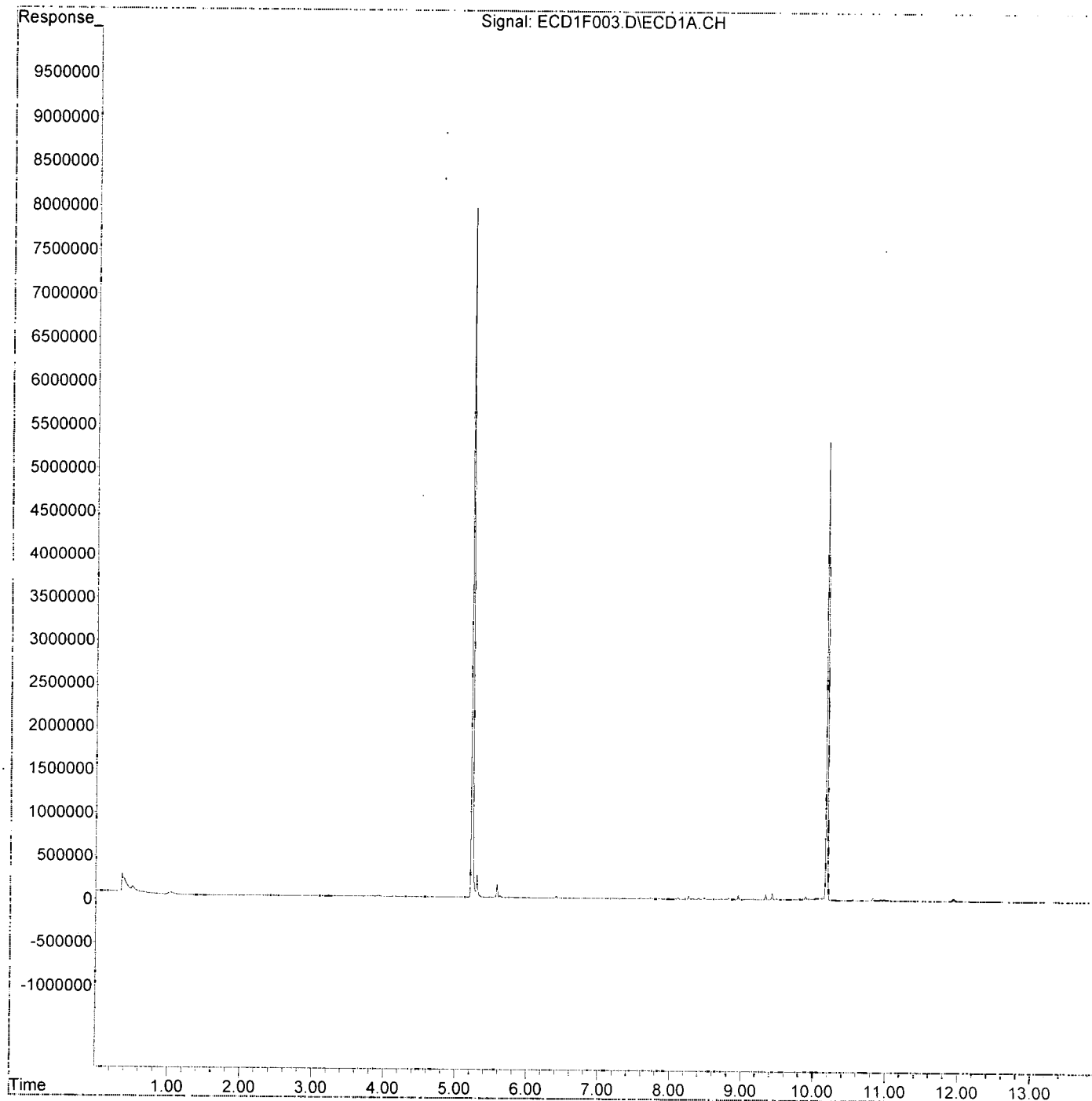
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F003.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 7:44
Operator : MJB / KAK
Sample : 0D30020-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:16:44 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F011.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 10:10
 Operator : MJB / KAK
 Sample : 0D30020-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:05 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 5/3/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.217	6770	0.075 ng/ml
64) S DCBP (S)	10.170	14997	0.248 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.132	17937	5.690 ng/ml
3) Aroclor 1016 (2)	6.555	6119	1.096 ng/ml
4) Aroclor 1016 (3)	6.632	3857	1.200 ng/ml
5) Aroclor 1016 (4)	6.799	8933	3.061 ng/ml
6) Aroclor 1016 (5)	7.014	4072	1.344 ng/ml
7) Aroclor 1016 (6)	7.138	4799	2.250 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.603	2521	2.265 ng/ml
10) Aroclor 1221 (2)	5.687	2665	3.835 ng/ml
11) Aroclor 1221 (3)	5.765	4489	1.919 ng/ml
12) Aroclor 1221 (4)	6.237	3468	8.999 ng/ml
13) Aroclor 1221 (5)	6.555	6119	15.657 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.765	4489	2.381 ng/ml
16) Aroclor 1232 (2)	6.555	6119	2.669 ng/ml
17) Aroclor 1232 (3)	6.632	3857	2.980 ng/ml
18) Aroclor 1232 (4)	6.799	8933	9.282 ng/ml
19) Aroclor 1232 (5)	7.014	4072	3.643 ng/ml
20) Aroclor 1232 (6)	7.138	4799	5.462 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.132	17937	7.910 ng/ml
23) Aroclor 1242 (2)	6.555	6119	1.415 ng/ml
24) Aroclor 1242 (3)	6.632	3857	1.561 ng/ml
25) Aroclor 1242 (4)	6.799	8933	4.462 ng/ml
26) Aroclor 1242 (5)	7.014	4072	1.837 ng/ml
27) Aroclor 1242 (6)	7.138	4799	2.611 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.555	6119	2.439 ng/ml
30) Aroclor 1248 (2)	6.799	8933	2.582 ng/ml
31) Aroclor 1248 (3)	7.014	4072	1.124 ng/ml
32) Aroclor 1248 (4)	7.306	3466	0.870 ng/ml
33) Aroclor 1248 (5)	7.342	4168	0.942 ng/ml
34) Aroclor 1248 (6)	7.833	7344	3.431 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.342	4168	0.934 ng/ml
37) Aroclor 1254 (2)	7.448	5993	1.183 ng/ml
38) Aroclor 1254 (3)	7.833	7344	0.979 ng/ml
39) Aroclor 1254 (4)	7.995	5835	1.156 ng/ml
40) Aroclor 1254 (5)	8.379	10221	2.052 ng/ml
41) Aroclor 1254 (6)	8.675	6854	4.266 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.948	6998	1.306 ng/ml
44) Aroclor 1260 (2)	8.077	9938	1.450 ng/ml
45) Aroclor 1260 (3)	8.644	9044	1.899 ng/ml

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F011.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 10:10
 Operator : MJB / KAK
 Sample : 0D30020-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:05 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.809	18531	1.613 ng/ml
47) Aroclor 1260 (5)	9.125	11913	1.773 ng/ml
48) Aroclor 1260 (6)	9.572	9856	3.639 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.077	9938	1.904 ng/ml
51) Aroclor 1262 (2)	8.405	9484	1.282 ng/ml
52) Aroclor 1262 (3)	8.644	9044	1.497 ng/ml
53) Aroclor 1262 (4)	8.809	18531	1.415 ng/ml
54) Aroclor 1262 (5)	9.125	11913	1.688 ng/ml
55) Aroclor 1262 (6)	9.572	9856	2.758 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.644	9044	2.663 ng/ml
58) Aroclor 1268 (2)	9.075	13099	0.885 ng/ml
59) Aroclor 1268 (3)	9.125	11913	0.977 ng/ml
60) Aroclor 1268 (4)	9.329	8139	0.769 ng/ml
61) Aroclor 1268 (5)	9.572	9856	2.427 ng/ml
62) Aroclor 1268 (6)	9.881	8388	0.285 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

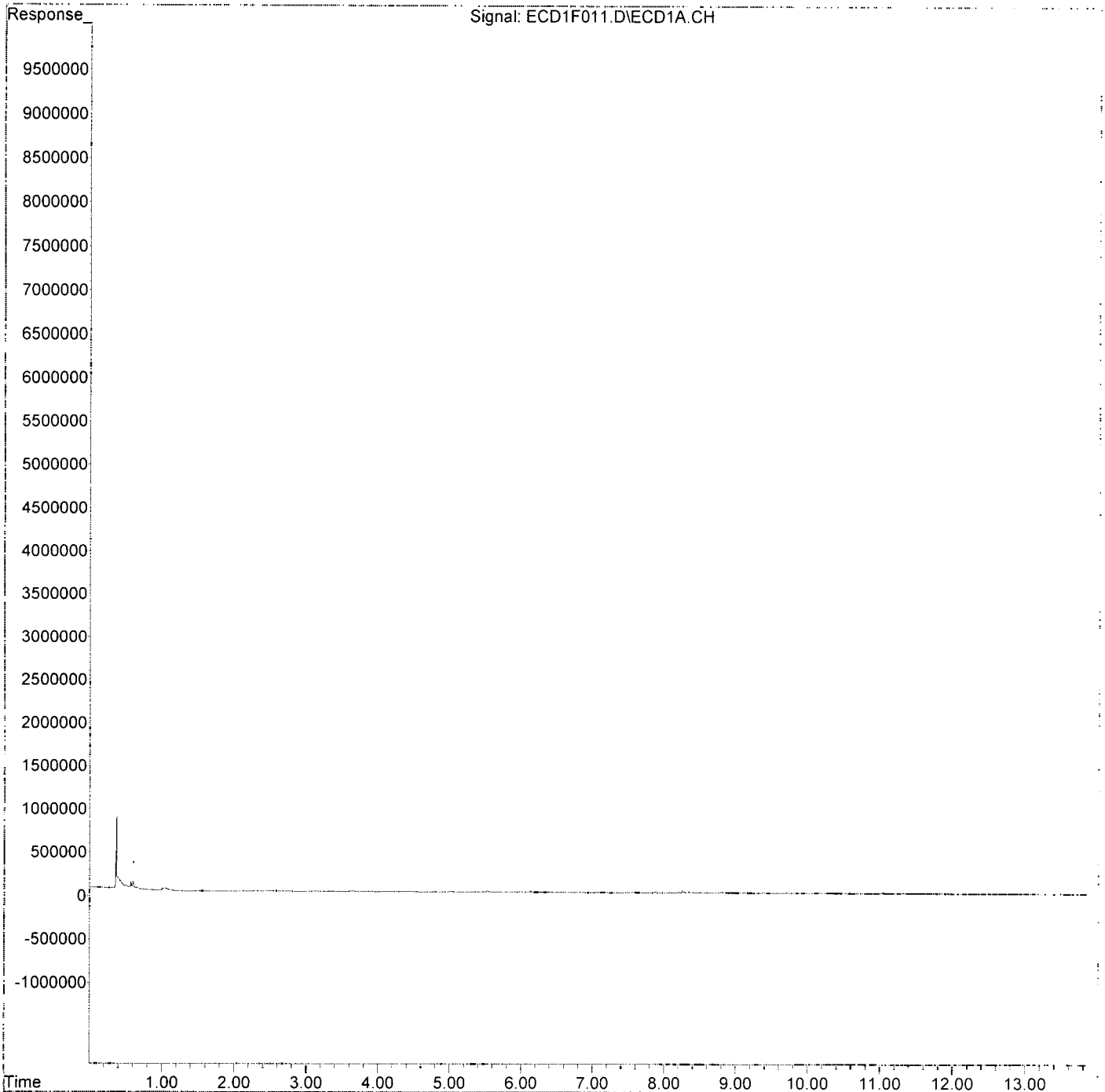
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F011.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 10:10
Operator : MJB / KAK
Sample : 0D30020-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:17:05 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F012.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 10:28
 Operator : MJB / KAK
 Sample : 0D30020-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:23 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/3/20
 1016, 1260

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	18427562	203.393 ng/ml
64) S DCBP (S)	10.173	12409149	204.890 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.131	1431120	453.996 ng/ml
3) Aroclor 1016 (2)	6.547	2740759	491.029 ng/ml
4) Aroclor 1016 (3)	6.629	1487114	462.500 ng/ml
5) Aroclor 1016 (4)	6.784	1305389	447.276 ng/ml
6) Aroclor 1016 (5)	7.011	1363776	450.122 ng/ml
7) Aroclor 1016 (6)	7.140	998181	467.999 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.572	450183	404.611 ng/ml
10) Aroclor 1221 (2)	5.688	170947	245.981 ng/ml
11) Aroclor 1221 (3)	5.770	792032	338.545 ng/ml
12) Aroclor 1221 (4)	6.239	130616	338.948 ng/ml
13) Aroclor 1221 (5)	6.547	2740759	7012.398 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.770	792032	420.147 ng/ml
16) Aroclor 1232 (2)	6.547	2740759	1195.368 ng/ml
17) Aroclor 1232 (3)	6.629	1487114	1148.912 ng/ml
18) Aroclor 1232 (4)	6.784	1305389	1356.365 ng/ml
19) Aroclor 1232 (5)	7.011	1363776	1220.298 ng/ml
20) Aroclor 1232 (6)	7.140	998181	1135.947 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.131	1431120	631.150 ng/ml
23) Aroclor 1242 (2)	6.547	2740759	633.753 ng/ml
24) Aroclor 1242 (3)	6.629	1487114	601.947 ng/ml
25) Aroclor 1242 (4)	6.784	1305389	652.020 ng/ml
26) Aroclor 1242 (5)	7.011	1363776	615.191 ng/ml
27) Aroclor 1242 (6)	7.140	998181	543.008 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.547	2740759	1092.389 ng/ml
30) Aroclor 1248 (2)	6.784	1305389	377.361 ng/ml
31) Aroclor 1248 (3)	7.011	1363776	376.354 ng/ml
32) Aroclor 1248 (4)	7.304	226793	56.914 ng/ml
33) Aroclor 1248 (5)	7.342	1077555	243.512 ng/ml
34) Aroclor 1248 (6)	7.834	1968510	919.526 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.342	1077555	241.457 ng/ml
37) Aroclor 1254 (2)	7.449	1076397	212.515 ng/ml
38) Aroclor 1254 (3)	7.834	1968510	262.285 ng/ml
39) Aroclor 1254 (4)	7.992	229402	45.464 ng/ml
40) Aroclor 1254 (5)	8.379	2831312	568.481 ng/ml
41) Aroclor 1254 (6)	8.677	293828	182.873 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	2776354	518.185 ng/ml
44) Aroclor 1260 (2)	8.078	3572943	521.159 ng/ml
45) Aroclor 1260 (3)	8.645	2189423	459.799 ng/ml

Handwritten: 462.154

Handwritten: 461.534

Data Path : I:\DATA\0D30020\
 Data File : ECD1F012.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 10:28
 Operator : MJB / KAK
 Sample : 0D30020-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:23 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

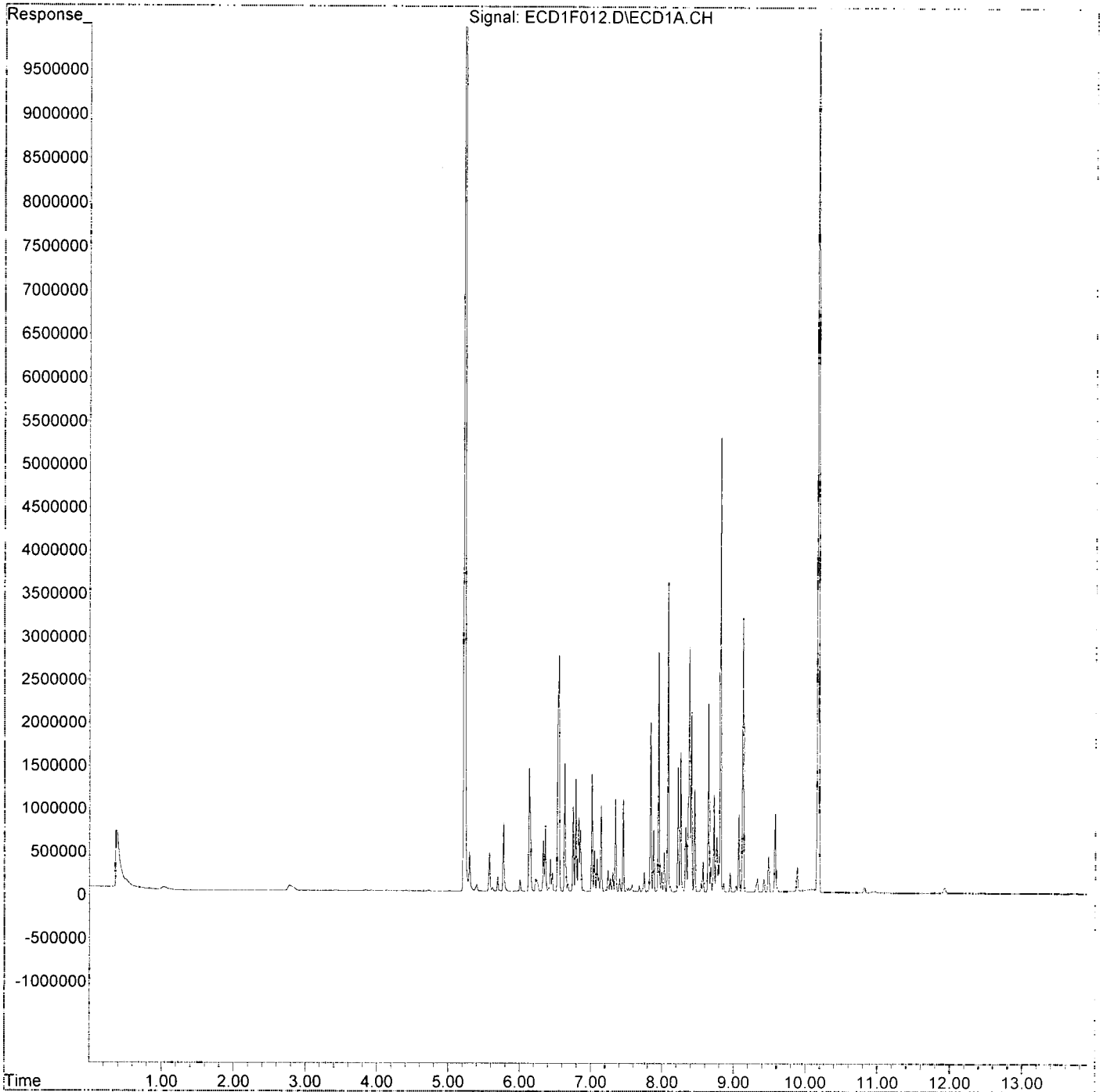
Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.813	5256616	457.426 ng/ml
47) Aroclor 1260 (5)	9.127	3175762	472.598 ng/ml
48) Aroclor 1260 (6)	9.576	920949	340.037 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.078	3572943	684.656 ng/ml
51) Aroclor 1262 (2)	8.407	2076692	280.670 ng/ml
52) Aroclor 1262 (3)	8.645	2189423	362.361 ng/ml
53) Aroclor 1262 (4)	8.813	5256616	401.496 ng/ml
54) Aroclor 1262 (5)	9.127	3175762	449.986 ng/ml
55) Aroclor 1262 (6)	9.576	920949	257.672 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.645	2189423	644.749 ng/ml
58) Aroclor 1268 (2)	9.069	902937	60.989 ng/ml
59) Aroclor 1268 (3)	9.127	3175762	260.426 ng/ml
60) Aroclor 1268 (4)	9.329	160394	15.164 ng/ml
61) Aroclor 1268 (5)	9.576	920949	226.811 ng/ml
62) Aroclor 1268 (6)	9.885	293045	9.960 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\
Data File : ECD1F012.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 10:28
Operator : MJB / KAK
Sample : 0D30020-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:17:23 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F020.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:55
 Operator : MJB / KAK
 Sample : 0D30020-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:41 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/3/20
 1221, 1254

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	3527449	38.934 ng/ml
64) S DCBP (S)	10.170	4672974	77.157 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.130	365719	116.018 ng/ml
3) Aroclor 1016 (2)	6.546	412296	73.866 ng/ml
4) Aroclor 1016 (3)	6.628	271046	84.297 ng/ml
5) Aroclor 1016 (4)	6.784	1386966	475.228 ng/ml
6) Aroclor 1016 (5)	7.009	820055	270.664 ng/ml
7) Aroclor 1016 (6)	7.138	383380	179.748 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.569	1058896	951.705 ng/ml
10) Aroclor 1221 (2)	5.688	660127	949.873 ng/ml
11) Aroclor 1221 (3)	5.769	2325032	993.807 ng/ml
12) Aroclor 1221 (4)	6.238	367827	954.512 ng/ml
13) Aroclor 1221 (5)	6.546	412296	1054.884 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.769	2325032	1233.354 ng/ml
16) Aroclor 1232 (2)	6.546	412296	179.821 ng/ml
17) Aroclor 1232 (3)	6.628	271046	209.404 ng/ml
18) Aroclor 1232 (4)	6.784	1386966	1441.128 ng/ml
19) Aroclor 1232 (5)	7.009	820055	733.780 ng/ml
20) Aroclor 1232 (6)	7.138	383380	436.292 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.130	365719	161.289 ng/ml
23) Aroclor 1242 (2)	6.546	412296	95.336 ng/ml
24) Aroclor 1242 (3)	6.628	271046	109.713 ng/ml
25) Aroclor 1242 (4)	6.784	1386966	692.767 ng/ml
26) Aroclor 1242 (5)	7.009	820055	369.922 ng/ml
27) Aroclor 1242 (6)	7.138	383380	208.558 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.546	412296	164.329 ng/ml
30) Aroclor 1248 (2)	6.784	1386966	400.943 ng/ml
31) Aroclor 1248 (3)	7.009	820055	226.307 ng/ml
32) Aroclor 1248 (4)	7.304	1244243	312.244 ng/ml
33) Aroclor 1248 (5)	7.341	2411917	545.057 ng/ml
34) Aroclor 1248 (6)	7.826	3832759	1790.350 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.341	2411917	540.458 ng/ml
37) Aroclor 1254 (2)	7.448	2609088	515.118 ng/ml
38) Aroclor 1254 (3)	7.826	3832759	510.679 ng/ml
39) Aroclor 1254 (4)	7.990	2478593	491.218 ng/ml
40) Aroclor 1254 (5)	8.377	2531043	508.192 ng/ml
41) Aroclor 1254 (6)	8.676	756642	470.921 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.946	1424004	265.779 ng/ml
44) Aroclor 1260 (2)	8.076	1696586	247.468 ng/ml
45) Aroclor 1260 (3)	8.644	205221	43.098 ng/ml

Handwritten: 980.956

Handwritten: 506.098

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F020.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:55
 Operator : MJB / KAK
 Sample : 0D30020-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:41 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.811	498472	43.377 ng/ml
47) Aroclor 1260 (5)	9.126	402619	59.915 ng/ml
48) Aroclor 1260 (6)	9.573	30057	11.098 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.076	1696586	325.104 ng/ml
51) Aroclor 1262 (2)	8.377	2531043	342.077 ng/ml
52) Aroclor 1262 (3)	8.644	205221	33.965 ng/ml
53) Aroclor 1262 (4)	8.811	498472	38.073 ng/ml
54) Aroclor 1262 (5)	9.126	402619	57.049 ng/ml
55) Aroclor 1262 (6)	9.573	30057	8.410 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.644	205221	60.434 ng/ml
58) Aroclor 1268 (2)	9.068	26889	1.816 ng/ml
59) Aroclor 1268 (3)	9.126	402619	33.016 ng/ml
60) Aroclor 1268 (4)	9.328	57415	5.428 ng/ml
61) Aroclor 1268 (5)	9.573	30057	7.402 ng/ml
62) Aroclor 1268 (6)	9.883	37592	1.278 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

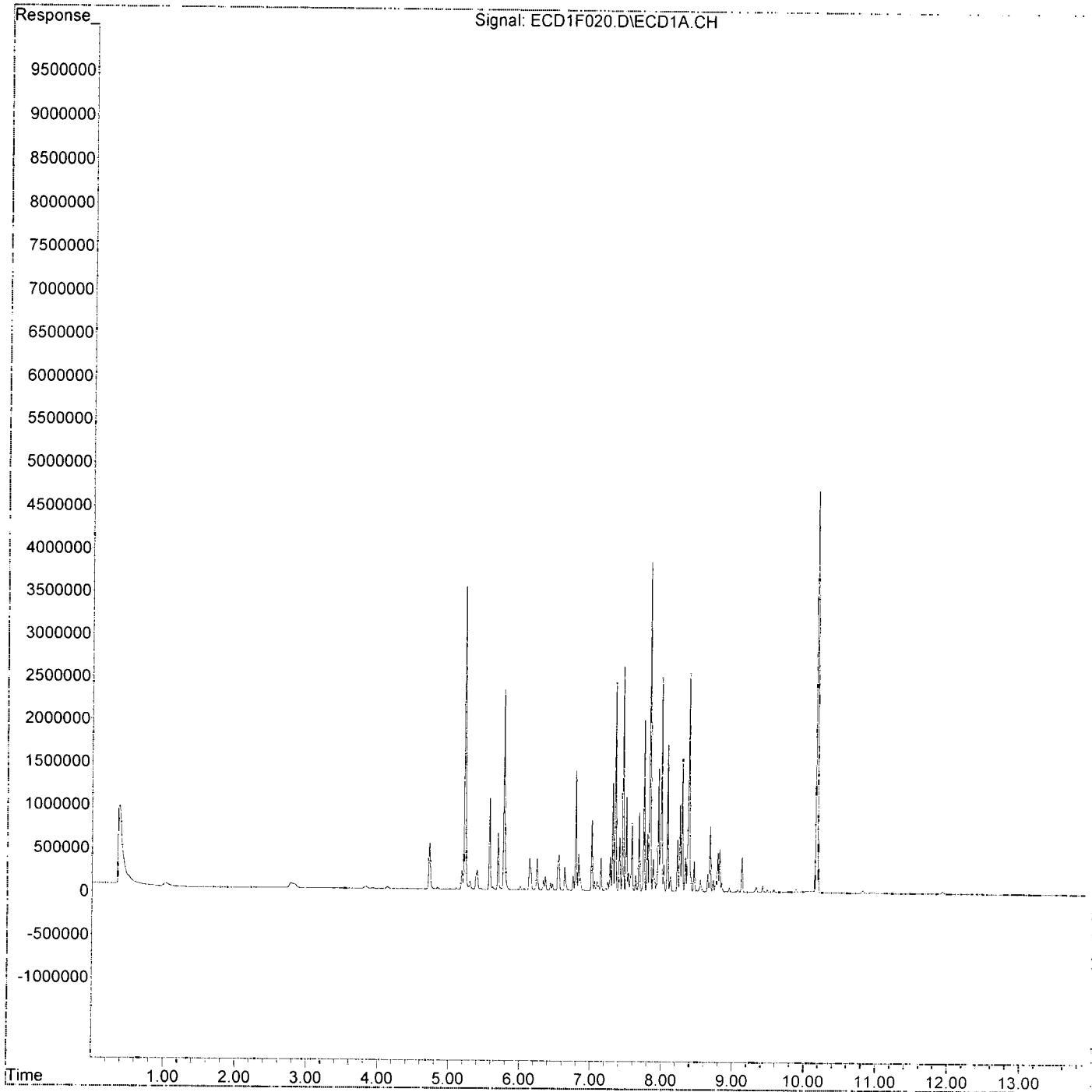
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F020.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 12:55
Operator : MJB / KAK
Sample : 0D30020-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:17:41 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F021.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 13:13
 Operator : MJB / KAK
 Sample : 0D30020-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:59 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/3/20
1232, 1262

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.219	3441937	37.990 ng/ml
64) S DCBP (S)	10.170	4700353	77.609 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.129	682650	216.558 ng/ml
3) Aroclor 1016 (2)	6.545	1151563	206.312 ng/ml
4) Aroclor 1016 (3)	6.629	671249	208.762 ng/ml
5) Aroclor 1016 (4)	6.783	515049	176.476 ng/ml
6) Aroclor 1016 (5)	7.009	573681	189.347 ng/ml
7) Aroclor 1016 (6)	7.138	461552	216.400 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.569	352648	316.949 ng/ml
10) Aroclor 1221 (2)	5.687	260648	375.053 ng/ml
11) Aroclor 1221 (3)	5.769	916130	391.589 ng/ml
12) Aroclor 1221 (4)	6.238	157421	408.509 ng/ml
13) Aroclor 1221 (5)	6.545	1151563	2946.344 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.769	916130	485.977 ng/ml
16) Aroclor 1232 (2)	6.545	1151563	502.248 ng/ml
17) Aroclor 1232 (3)	6.629	671249	518.592 ng/ml
18) Aroclor 1232 (4)	6.783	515049	535.162 ng/ml
19) Aroclor 1232 (5)	7.009	573681	513.326 ng/ml
20) Aroclor 1232 (6)	7.138	461552	525.254 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.129	682650	301.061 ng/ml
23) Aroclor 1242 (2)	6.545	1151563	266.279 ng/ml
24) Aroclor 1242 (3)	6.629	671249	271.705 ng/ml
25) Aroclor 1242 (4)	6.783	515049	257.259 ng/ml
26) Aroclor 1242 (5)	7.009	573681	258.784 ng/ml
27) Aroclor 1242 (6)	7.138	461552	251.083 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.545	1151563	458.980 ng/ml
30) Aroclor 1248 (2)	6.783	515049	148.890 ng/ml
31) Aroclor 1248 (3)	7.009	573681	158.316 ng/ml
32) Aroclor 1248 (4)	7.304	573852	144.009 ng/ml
33) Aroclor 1248 (5)	7.343	864666	195.402 ng/ml
34) Aroclor 1248 (6)	7.833	1743284	814.319 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.343	864666	193.753 ng/ml
37) Aroclor 1254 (2)	7.448	495964	97.919 ng/ml
38) Aroclor 1254 (3)	7.833	1743284	232.276 ng/ml
39) Aroclor 1254 (4)	7.990	195762	38.797 ng/ml
40) Aroclor 1254 (5)	8.376	1215536	244.060 ng/ml
41) Aroclor 1254 (6)	8.675	80521	50.115 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.945	2147342	400.785 ng/ml
44) Aroclor 1260 (2)	8.076	2551841	372.218 ng/ml
45) Aroclor 1260 (3)	8.643	2899079	608.833 ng/ml

513.427

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F021.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 13:13
 Operator : MJB / KAK
 Sample : 0D30020-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:17:59 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.811	6487620	564.547 ng/ml
47) Aroclor 1260 (5)	9.125	3302121	491.402 ng/ml
48) Aroclor 1260 (6)	9.574	1694025	625.475 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.076	2551841	488.990 ng/ml
51) Aroclor 1262 (2)	8.405	3551605	480.009 ng/ml
52) Aroclor 1262 (3)	8.643	2899079	479.813 ng/ml
53) Aroclor 1262 (4)	8.811	6487620	495.519 ng/ml
54) Aroclor 1262 (5)	9.125	3302121	467.891 ng/ml
55) Aroclor 1262 (6)	9.574	1694025	473.971 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.643	2899079	853.731 ng/ml
58) Aroclor 1268 (2)	9.068	2153867	145.482 ng/ml
59) Aroclor 1268 (3)	9.125	3302121	270.788 ng/ml
60) Aroclor 1268 (4)	9.327	178357	16.862 ng/ml
61) Aroclor 1268 (5)	9.574	1694025	417.204 ng/ml
62) Aroclor 1268 (6)	9.882	511221	17.375 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

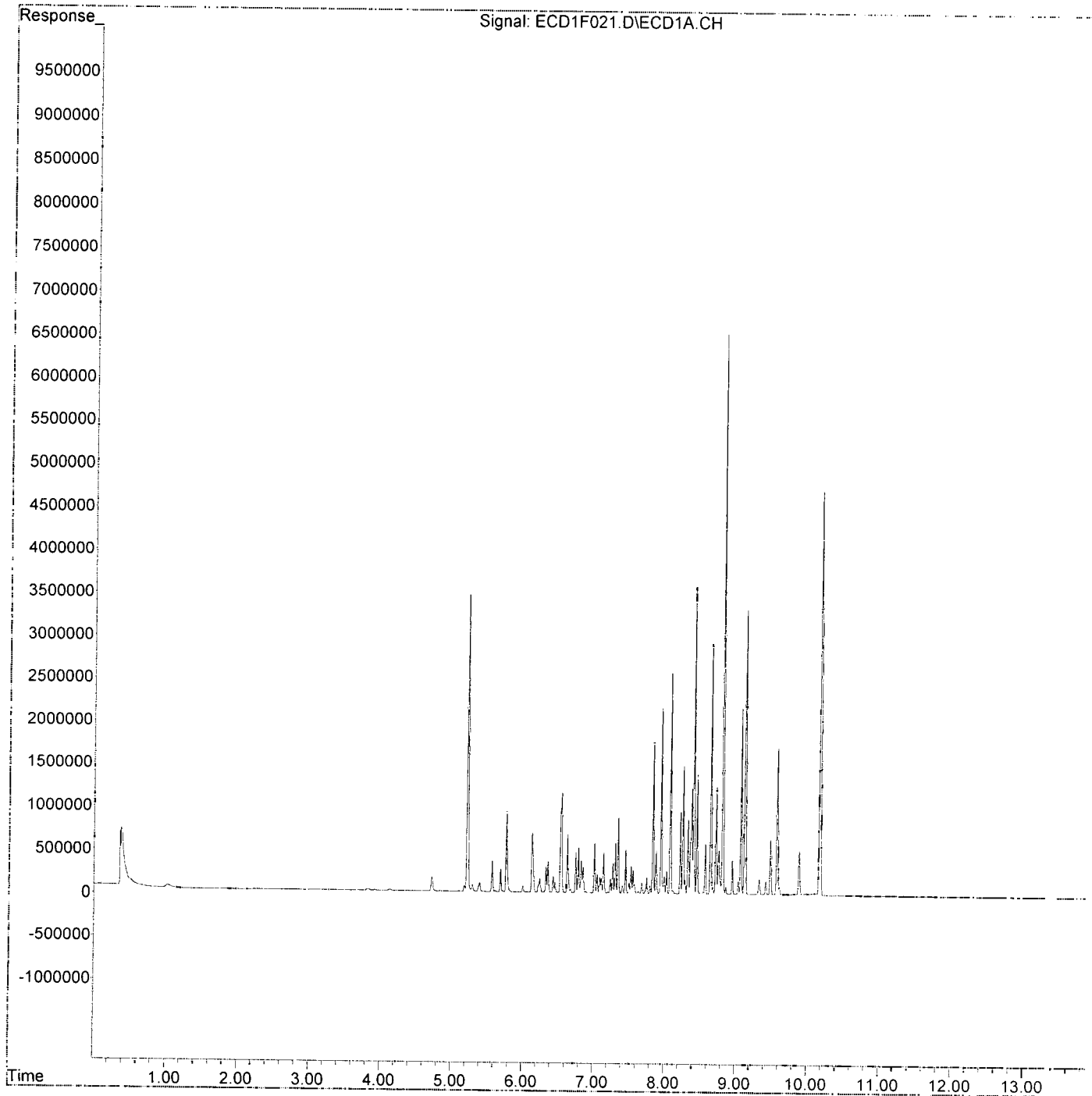
481.032

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\
Data File : ECD1F021.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 13:13
Operator : MJB / KAK
Sample : 0D30020-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:17:59 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F022.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 13:31
 Operator : MJB / KAK
 Sample : 0D30020-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:18:17 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/3/20
12A2, 12G8

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.219	3773917	41.654 ng/ml
64) S DCBP (S)	10.169	2291239	37.831 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.129	1214337	385.226 ng/ml
3) Aroclor 1016 (2)	6.545	2232441	399.959 ng/ml
4) Aroclor 1016 (3)	6.628	1281419	398.528 ng/ml
5) Aroclor 1016 (4)	6.782	1041866	356.983 ng/ml
6) Aroclor 1016 (5)	7.009	1138739	375.847 ng/ml
7) Aroclor 1016 (6)	7.138	951379	446.056 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.569	147092	132.202 ng/ml
10) Aroclor 1221 (2)	5.687	153533	220.922 ng/ml
11) Aroclor 1221 (3)	5.768	711813	304.256 ng/ml
12) Aroclor 1221 (4)	6.238	123260	319.859 ng/ml
13) Aroclor 1221 (5)	6.545	2232441	5711.835 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.768	711813	377.594 ng/ml
16) Aroclor 1232 (2)	6.545	2232441	973.667 ng/ml
17) Aroclor 1232 (3)	6.628	1281419	989.996 ng/ml
18) Aroclor 1232 (4)	6.782	1041866	1082.551 ng/ml
19) Aroclor 1232 (5)	7.009	1138739	1018.936 ng/ml
20) Aroclor 1232 (6)	7.138	951379	1082.685 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.129	1214337	535.545 ng/ml
23) Aroclor 1242 (2)	6.545	2232441	516.213 ng/ml
24) Aroclor 1242 (3)	6.628	1281419	518.687 ng/ml
25) Aroclor 1242 (4)	6.782	1041866	520.395 ng/ml
26) Aroclor 1242 (5)	7.009	1138739	513.678 ng/ml
27) Aroclor 1242 (6)	7.138	951379	517.548 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.545	2232441	889.788 ng/ml
30) Aroclor 1248 (2)	6.782	1041866	301.182 ng/ml
31) Aroclor 1248 (3)	7.009	1138739	314.252 ng/ml
32) Aroclor 1248 (4)	7.303	1191261	298.948 ng/ml
33) Aroclor 1248 (5)	7.343	1266813	286.281 ng/ml
34) Aroclor 1248 (6)	7.826	348343	162.717 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.343	1266813	283.865 ng/ml
37) Aroclor 1254 (2)	7.447	269317	53.172 ng/ml
38) Aroclor 1254 (3)	7.826	348343	46.413 ng/ml
39) Aroclor 1254 (4)	7.990	246714	48.895 ng/ml
40) Aroclor 1254 (5)	8.376	57327	11.510 ng/ml
41) Aroclor 1254 (6)	8.674	24709	15.378 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.946	79834	14.900 ng/ml
44) Aroclor 1260 (2)	8.075	62365	9.097 ng/ml
45) Aroclor 1260 (3)	8.635	1658392	348.278 ng/ml

520.395

Data Path : I:\DATA\0D30020\
 Data File : ECD1F022.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 13:31
 Operator : MJB / KAK
 Sample : 0D30020-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:18:17 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.810	729072	63.443 ng/ml
47) Aroclor 1260 (5)	9.118	5990703	891.501 ng/ml
48) Aroclor 1260 (6)	9.572	2054898	758.718 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.075	62365	11.951 ng/ml
51) Aroclor 1262 (2)	8.405	1362181	184.102 ng/ml
52) Aroclor 1262 (3)	8.635	1658392	274.473 ng/ml
53) Aroclor 1262 (4)	8.810	729072	55.686 ng/ml
54) Aroclor 1262 (5)	9.118	5990703	848.847 ng/ml
55) Aroclor 1262 (6)	9.572	2054898	574.939 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.635	1658392	488.369 ng/ml
58) Aroclor 1268 (2)	9.067	7357938	496.990 ng/ml
59) Aroclor 1268 (3)	9.118	5990703	491.262 ng/ml
60) Aroclor 1268 (4)	9.327	5230931	494.529 ng/ml
61) Aroclor 1268 (5)	9.572	2054898	506.079 ng/ml
62) Aroclor 1268 (6)	9.882	13692833	465.374 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

490.43A

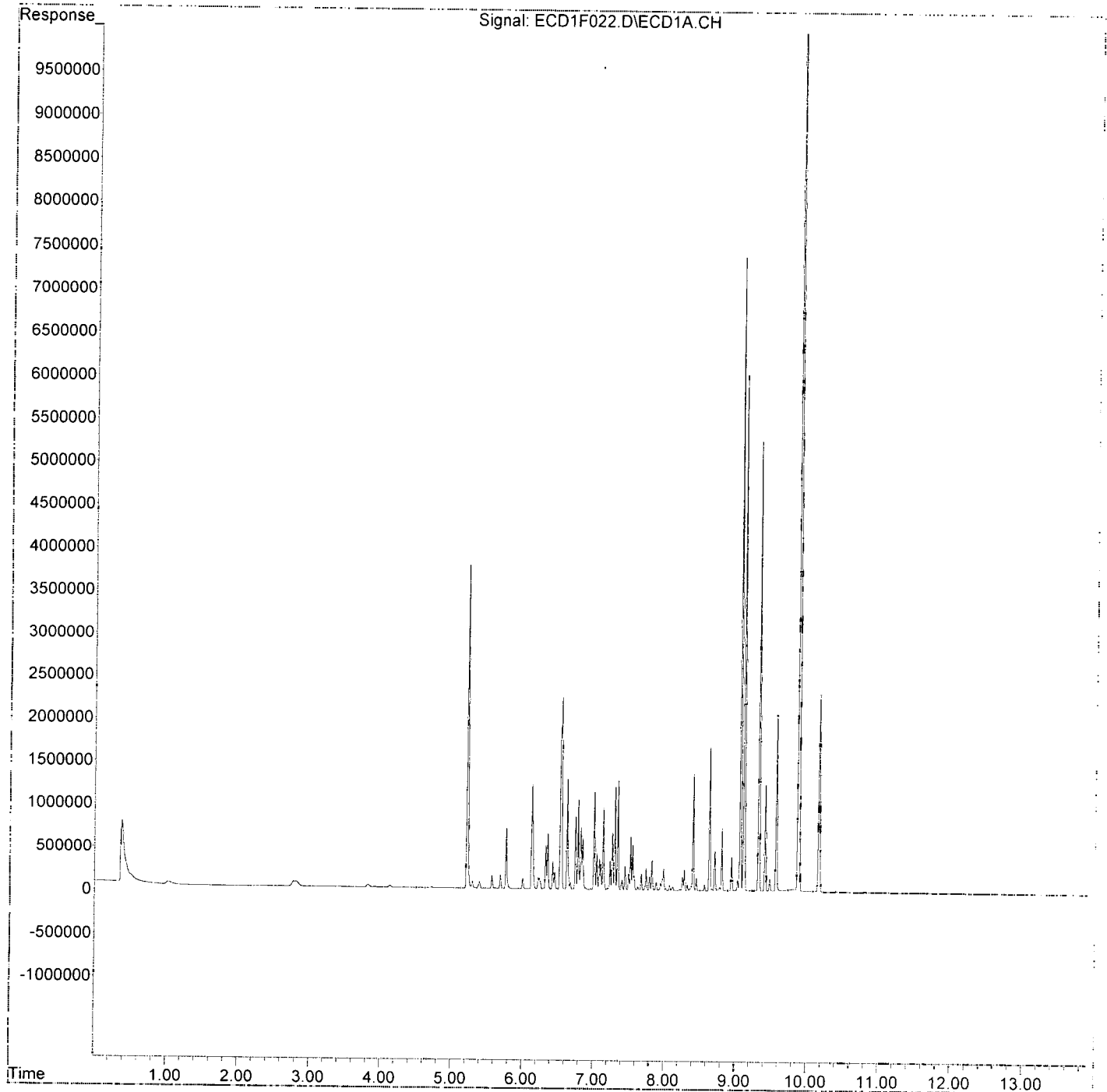
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F022.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 13:31
Operator : MJB / KAK
Sample : 0D30020-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:18:17 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F023.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 13:49
 Operator : MJB / KAK
 Sample : 0D30020-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:18:36 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/3/20
1248

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.205	5944	0.066 ng/ml
64) S DCBP (S)	10.169	1126	0.019 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.128	612468	194.294 ng/ml
3) Aroclor 1016 (2)	6.544	1199801	214.954 ng/ml
4) Aroclor 1016 (3)	6.627	743103	231.109 ng/ml
5) Aroclor 1016 (4)	6.782	1777003	608.869 ng/ml
6) Aroclor 1016 (5)	7.009	1912875	631.355 ng/ml
7) Aroclor 1016 (6)	7.137	1545341	724.537 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.568	21383	19.219 ng/ml
10) Aroclor 1221 (2)	5.687	15861	22.822 ng/ml
11) Aroclor 1221 (3)	5.768	85168	36.404 ng/ml
12) Aroclor 1221 (4)	6.218	41702	108.218 ng/ml
13) Aroclor 1221 (5)	6.544	1199801	3069.763 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.768	85168	45.179 ng/ml
16) Aroclor 1232 (2)	6.544	1199801	523.287 ng/ml
17) Aroclor 1232 (3)	6.627	743103	574.105 ng/ml
18) Aroclor 1232 (4)	6.782	1777003	1846.396 ng/ml
19) Aroclor 1232 (5)	7.009	1912875	1711.628 ng/ml
20) Aroclor 1232 (6)	7.137	1545341	1758.624 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.128	612468	270.110 ng/ml
23) Aroclor 1242 (2)	6.544	1199801	277.433 ng/ml
24) Aroclor 1242 (3)	6.627	743103	300.790 ng/ml
25) Aroclor 1242 (4)	6.782	1777003	887.584 ng/ml
26) Aroclor 1242 (5)	7.009	1912875	862.886 ng/ml
27) Aroclor 1242 (6)	7.137	1545341	840.662 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.544	1199801	478.207 ng/ml
30) Aroclor 1248 (2)	6.782	1777003	513.695 ng/ml
31) Aroclor 1248 (3)	7.009	1912875	527.886 ng/ml
32) Aroclor 1248 (4)	7.303	2211609	555.005 ng/ml
33) Aroclor 1248 (5)	7.343	2378559	537.519 ng/ml
34) Aroclor 1248 (6)	7.825	1150114	537.238 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.343	2378559	532.983 ng/ml
37) Aroclor 1254 (2)	7.447	708987	139.977 ng/ml
38) Aroclor 1254 (3)	7.825	1150114	153.242 ng/ml
39) Aroclor 1254 (4)	7.989	779893	154.562 ng/ml
40) Aroclor 1254 (5)	8.376	162902	32.708 ng/ml
41) Aroclor 1254 (6)	8.674	68349	42.539 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.946	170262	31.778 ng/ml
44) Aroclor 1260 (2)	8.074	111897	16.322 ng/ml
45) Aroclor 1260 (3)	8.642	18030	3.786 ng/ml

Handwritten: 524.925

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F023.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 13:49
 Operator : MJB / KAK
 Sample : 0D30020-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:18:36 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
46)	Aroclor 1260 (4)	8.809	40734	3.545 ng/ml
47)	Aroclor 1260 (5)	9.124	29535	4.395 ng/ml
48)	Aroclor 1260 (6)	9.571	8787	3.244 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.074	111897	21.442 ng/ml
51)	Aroclor 1262 (2)	8.403	17742	2.398 ng/ml
52)	Aroclor 1262 (3)	8.642	18030	2.984 ng/ml
53)	Aroclor 1262 (4)	8.809	40734	3.111 ng/ml
54)	Aroclor 1262 (5)	9.124	29535	4.185 ng/ml
55)	Aroclor 1262 (6)	9.571	8787	2.459 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.642	18030	5.309 ng/ml
58)	Aroclor 1268 (2)	9.066	9175	0.620 ng/ml
59)	Aroclor 1268 (3)	9.124	29535	2.422 ng/ml
60)	Aroclor 1268 (4)	9.326	1359	0.129 ng/ml
61)	Aroclor 1268 (5)	9.571	8787	2.164 ng/ml
62)	Aroclor 1268 (6)	9.880	3660	0.124 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

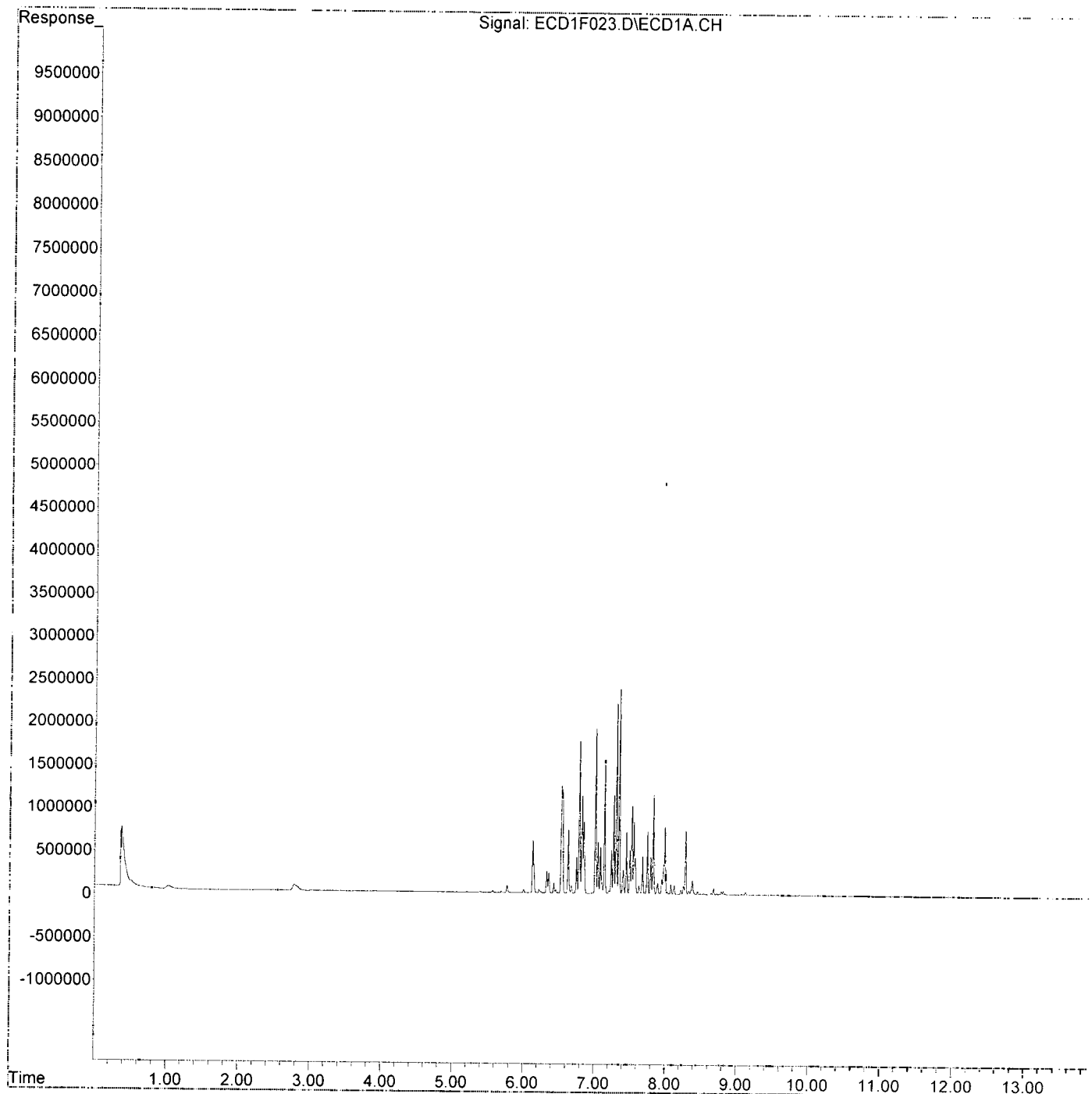
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F023.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 13:49
Operator : MJB / KAK
Sample : 0D30020-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:18:36 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F004.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:02
 Operator : MJB / KAK
 Sample : 0D30020-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:00:19 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	860016	9.492 ng/ml ✓
64) S DCBP (S)	10.173	573652	9.472 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.131	75043	23.806 ng/ml
3) Aroclor 1016 (2)	6.547	119539	21.416 ng/ml
4) Aroclor 1016 (3)	6.630	73475	22.851 ng/ml
5) Aroclor 1016 (4)	6.785	69674	23.873 ng/ml
6) Aroclor 1016 (5)	7.011	71768	23.687 ng/ml ✓
7) Aroclor 1016 (6)	7.140	51049	23.934 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.948	121959	22.763 ng/ml
44) Aroclor 1260 (2)	8.078	147859	21.567 ng/ml ✓
45) Aroclor 1260 (3)	8.645	106746	22.418 ng/ml ✓

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5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD30020\requant\
 Data File : ECD1F004.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:02
 Operator : MJB / KAK
 Sample : OD30020-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:00:19 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

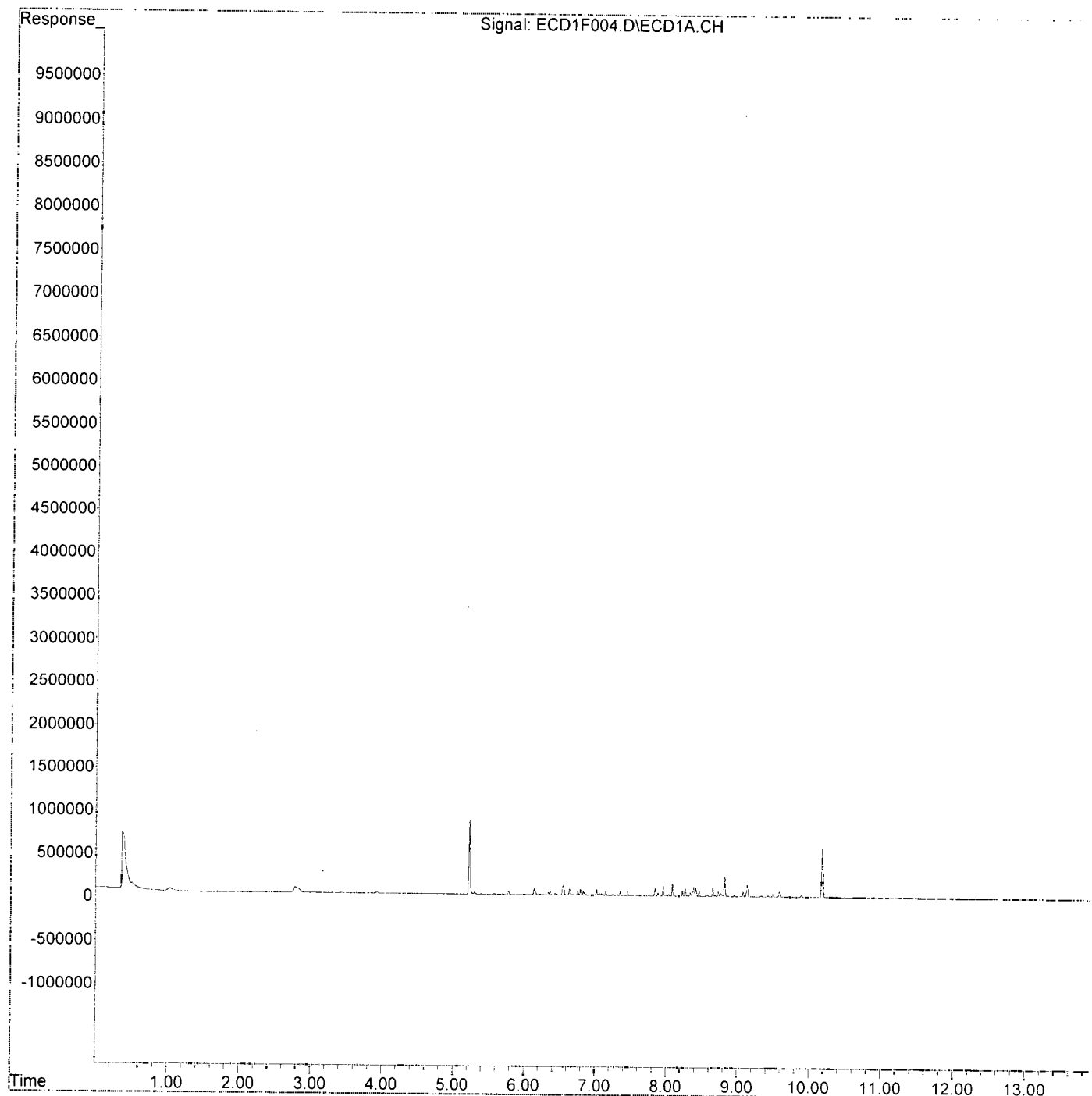
Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.813	230204	20.032 ng/ml
47) Aroclor 1260 (5)	9.127	139840	20.810 ng/ml
48) Aroclor 1260 (6)	9.576	62024	22.901 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.078	147859	28.333 ng/ml
51) Aroclor 1262 (2)	8.408	107508	14.530 ng/ml
52) Aroclor 1262 (3)	8.645	106746	17.667 ng/ml
53) Aroclor 1262 (4)	8.813	230204	17.583 ng/ml
54) Aroclor 1262 (5)	9.127	139840	19.814 ng/ml
55) Aroclor 1262 (6)	9.576	62024	17.354 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.645	106746	31.435 ng/ml
58) Aroclor 1268 (2)	9.070	58325	3.940 ng/ml
59) Aroclor 1268 (3)	9.127	139840	11.467 ng/ml
60) Aroclor 1268 (4)	9.330	13514	1.278 ng/ml
61) Aroclor 1268 (5)	9.576	62024	15.275 ng/ml
62) Aroclor 1268 (6)	9.884	20714	0.704 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\requant\
Data File : ECD1F004.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:02
Operator : MJB / KAK
Sample : 0D30020-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:00:19 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F005.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:20
 Operator : MJB / KAK
 Sample : 0D30020-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:03:34 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	2284473	25.215 ng/ml ✓
64) S DCBP (S)	10.172	1441514	23.801 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.131	170865	54.204 ng/ml
3) Aroclor 1016 (2)	6.547	282167	50.552 ng/ml
4) Aroclor 1016 (3)	6.629	172778	53.735 ng/ml
5) Aroclor 1016 (4)	6.784	159597	54.684 ng/ml
6) Aroclor 1016 (5)	7.012	164792	54.391 ng/ml
7) Aroclor 1016 (6)	7.139	114833	53.840 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	270225	50.435 ng/ml
44) Aroclor 1260 (2)	8.078	348454	50.826 ng/ml ✓
45) Aroclor 1260 (3)	8.645	242267	50.878 ng/ml

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5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F005.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:20
 Operator : MJB / KAK
 Sample : 0D30020-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:03:34 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.813	551055	47.952 ng/ml
47) Aroclor 1260 (5)	9.128	332646	49.502 ng/ml
48) Aroclor 1260 (6)	9.575	146979	54.268 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

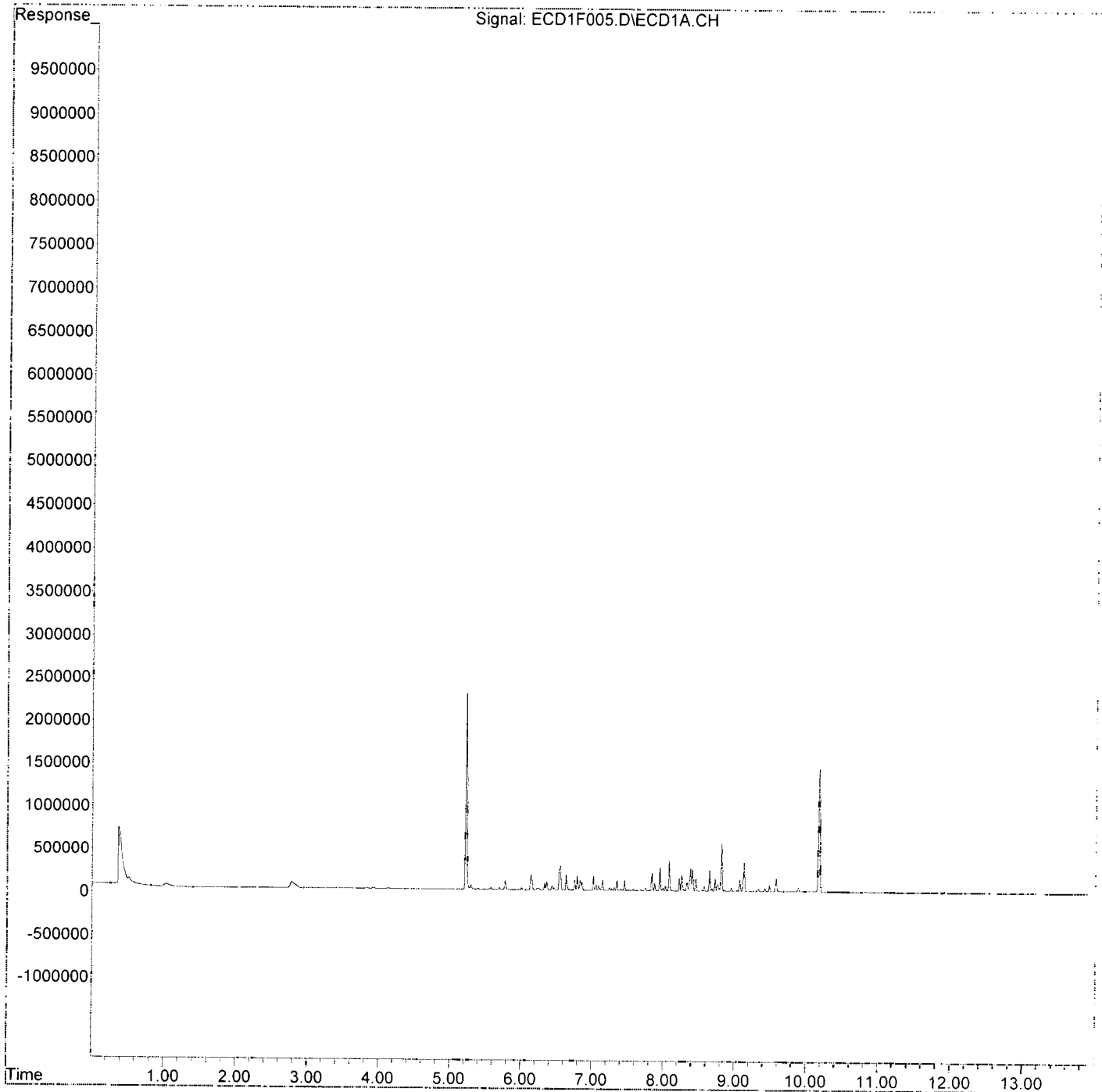
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
Data File : ECD1F005.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:20
Operator : MJB / KAK
Sample : 0D30020-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:03:34 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F006.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:38
 Operator : MJB / KAK
 Sample : 0D30020-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:07:10 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	4553247	50.256 ng/ml ✓
64) S DCBP (S)	10.171	2981125	49.222 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.130	325287	103.191 ng/ml
3) Aroclor 1016 (2)	6.546	537127	96.231 ng/ml
4) Aroclor 1016 (3)	6.629	320183	99.579 ng/ml
5) Aroclor 1016 (4)	6.784	292455	100.206 ng/ml ✓
6) Aroclor 1016 (5)	7.011	299056	98.705 ng/ml
7) Aroclor 1016 (6)	7.139	211571	99.195 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	519694	96.997 ng/ml
44) Aroclor 1260 (2)	8.077	662986	96.705 ng/ml ✓
45) Aroclor 1260 (3)	8.644	466052	97.875 ng/ml

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5/3/20

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F006.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:38
 Operator : MJB / KAK
 Sample : 0D30020-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:07:10 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.812	1092746	95.090 ng/ml
47) Aroclor 1260 (5)	9.126	645775	96.100 ng/ml
48) Aroclor 1260 (6)	9.575	263397	97.253 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

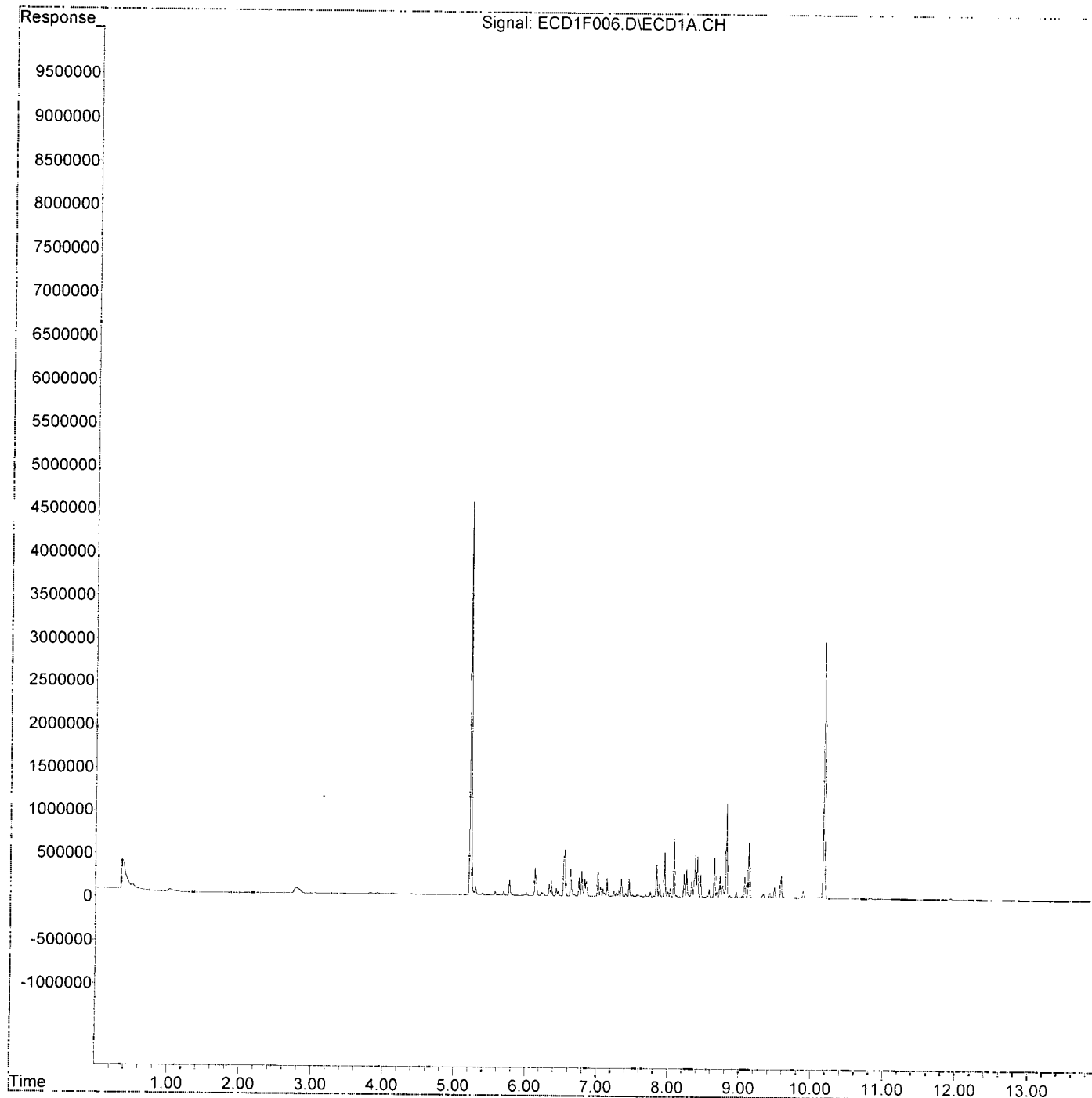
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
Data File : ECD1F006.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:38
Operator : MJB / KAK
Sample : 0D30020-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:07:10 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F007.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:57
 Operator : MJB / KAK
 Sample : 0D30020-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:08:59 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	8925994	98.520 ng/ml ✓
64) S DCBP (S)	10.170	6373505	105.234 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.130	595490	188.908 ng/ml
3) Aroclor 1016 (2)	6.547	1081459	193.752 ng/ml
4) Aroclor 1016 (3)	6.629	614115	190.993 ng/ml
5) Aroclor 1016 (4)	6.784	552352	189.257 ng/ml ✓
6) Aroclor 1016 (5)	7.011	576402	190.245 ng/ml
7) Aroclor 1016 (6)	7.140	412480	193.392 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.946	1019577	190.296 ng/ml
44) Aroclor 1260 (2)	8.077	1338508	195.238 ng/ml ✓
45) Aroclor 1260 (3)	8.643	906277	190.326 ng/ml

Handwritten signature
5/3/20

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F007.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:57
 Operator : MJB / KAK
 Sample : 0D30020-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:08:59 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

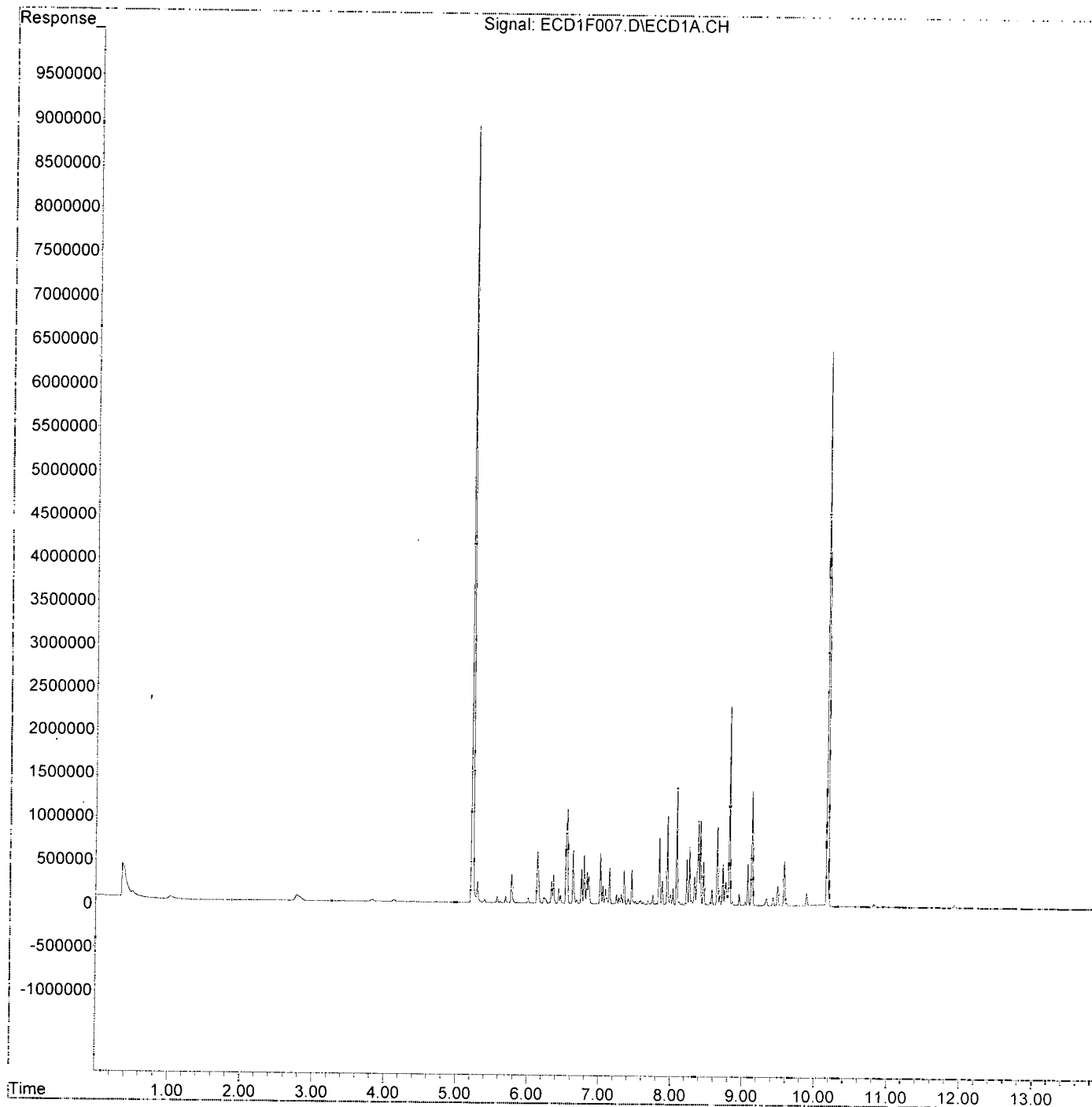
Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.812	2294103	199.631 ng/ml
47) Aroclor 1260 (5)	9.126	1312681	195.345 ng/ml
48) Aroclor 1260 (6)	9.574	511599	188.895 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\requant\
Data File : ECD1F007.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:57
Operator : MJB / KAK
Sample : 0D30020-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:08:59 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
Qlast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F008.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:15
 Operator : MJB / KAK
 Sample : 0D30020-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:10:24 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.219	21436043	236.599 ng/ml ✓
64) S DCBP (S)	10.173	14308478	236.251 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.130	1438732	456.411 ng/ml
3) Aroclor 1016 (2)	6.546	2757074	493.951 ng/ml
4) Aroclor 1016 (3)	6.629	1509923	469.593 ng/ml
5) Aroclor 1016 (4)	6.784	1327781	454.949 ng/ml
6) Aroclor 1016 (5)	7.011	1405919	464.031 ng/ml
7) Aroclor 1016 (6)	7.139	1001442	469.528 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	2517299	469.834 ng/ml
44) Aroclor 1260 (2)	8.077	3306085	482.234 ng/ml ✓
45) Aroclor 1260 (3)	8.645	2273746	477.508 ng/ml

5/11/20

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F008.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:15
 Operator : MJB / KAK
 Sample : 0D30020-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:10:24 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

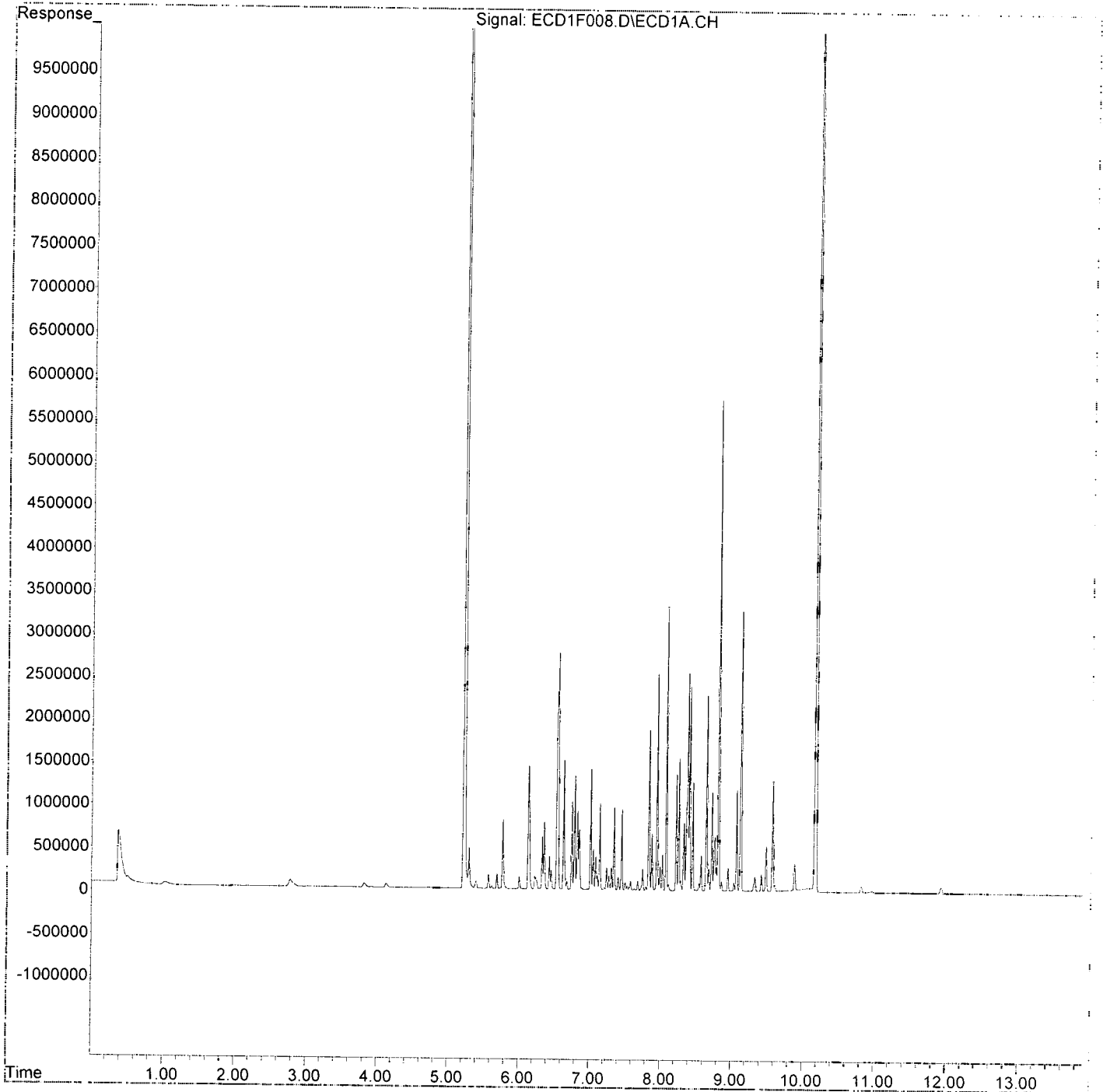
Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.813	5706291	496.556 ng/ml
47) Aroclor 1260 (5)	9.127	3260391	485.192 ng/ml
48) Aroclor 1260 (6)	9.575	1278824	472.173 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\requant\
Data File : ECD1F008.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 9:15
Operator : MJB / KAK
Sample : 0D30020-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:10:24 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F009.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:33
 Operator : MJB / KAK
 Sample : 0D30020-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:11:39 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.222	46961291	518.332 ng/ml ✓
64) S DCBP (S)	10.173	31556582	521.038 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.131	2847575	903.340 ng/ml
3) Aroclor 1016 (2)	6.547	5462902	978.722 ng/ml
4) Aroclor 1016 (3)	6.629	3004398	934.382 ng/ml
5) Aroclor 1016 (4)	6.784	2660859	911.712 ng/ml
6) Aroclor 1016 (5)	7.011	2763282	912.037 ng/ml
7) Aroclor 1016 (6)	7.139	1931733	905.697 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	5266096	982.876 ng/ml
44) Aroclor 1260 (2)	8.078	6691544	976.046 ng/ml
45) Aroclor 1260 (3)	8.644	4692687	985.508 ng/ml

M
5/11/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F009.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:33
 Operator : MJB / KAK
 Sample : 0D30020-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 15:11:39 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:59:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.812	11826017	1029.090 ng/ml
47) Aroclor 1260 (5)	9.126	6748807	1004.318 ng/ml
48) Aroclor 1260 (6)	9.575	2581977	953.329 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

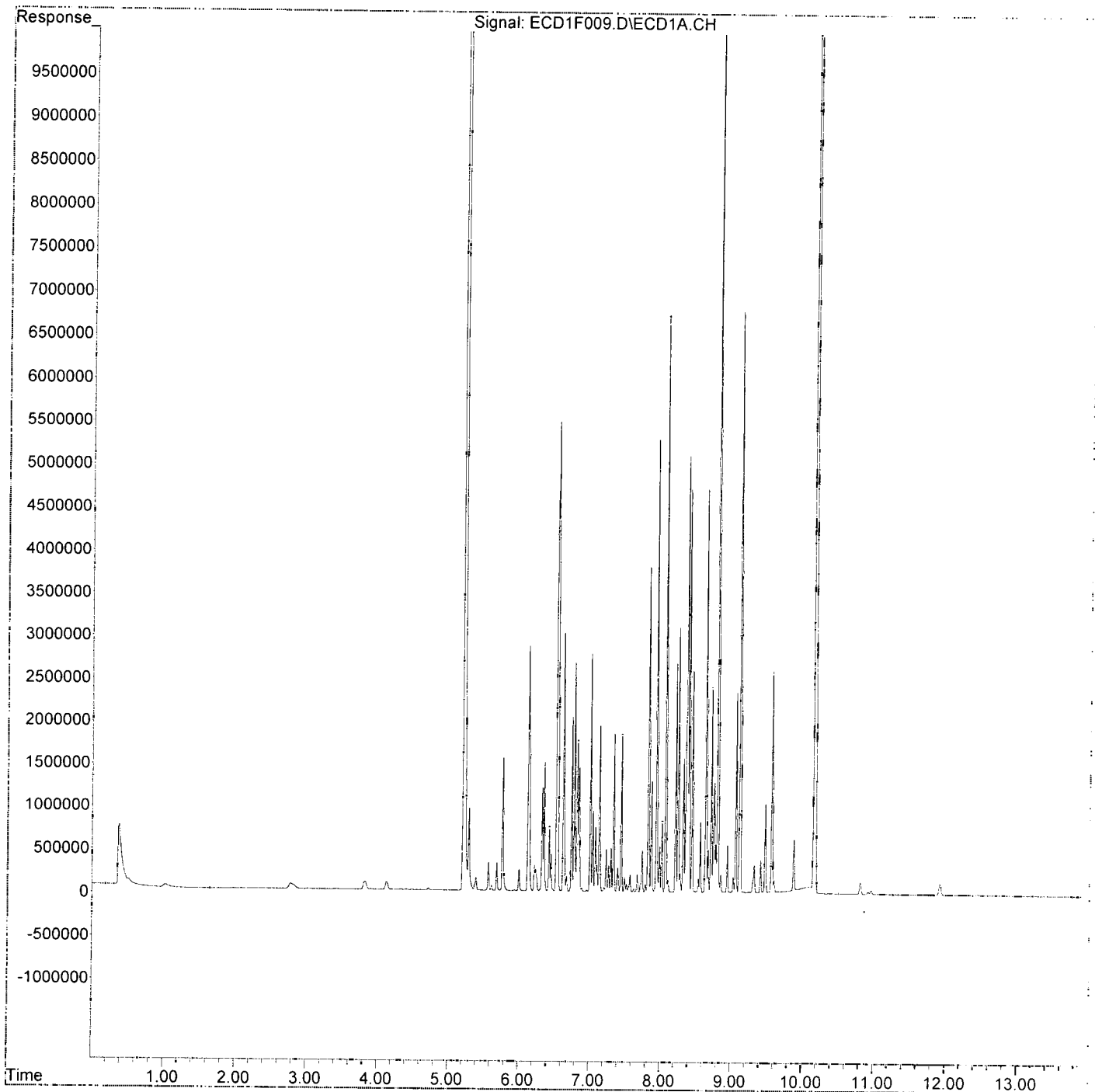
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
Data File : ECD1F009.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 9:33
Operator : MJB / KAK
Sample : 0D30020-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 15:11:39 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:59:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F010.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:52
 Operator : MJB / KAK
 Sample : 0D30020-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:16:11 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.223	77466919	858.504	ng/ml ✓
64) S DCBP (S)	10.173	52178578	823.047	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.131	4411685	1428.095	ng/ml
3) Aroclor 1016 (2)	6.546	8543704	1483.938	ng/ml
4) Aroclor 1016 (3)	6.629	4622539	1432.135	ng/ml
5) Aroclor 1016 (4)	6.784	4127026	1364.993	ng/ml
6) Aroclor 1016 (5)	7.011	4314957	1377.948	ng/ml
7) Aroclor 1016 (6)	7.140	2952363	1341.525	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	7.947	8110406	1412.318	ng/ml
44) Aroclor 1260 (2)	8.077	10503382	1431.351	ng/ml ✓
45) Aroclor 1260 (3)	8.645	7075688	1356.159	ng/ml ✓

Handwritten signature and date: 5/3/20

Data Path : I:\DATA\0D30020\requant\
 Data File : ECD1F010.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:52
 Operator : MJB / KAK
 Sample : 0D30020-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:16:11 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
46) Aroclor 1260 (4)	8.812	18411286	1471.069	ng/ml
47) Aroclor 1260 (5)	9.126	10654339	1481.396	ng/ml
48) Aroclor 1260 (6)	9.574	3879478	1354.629	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

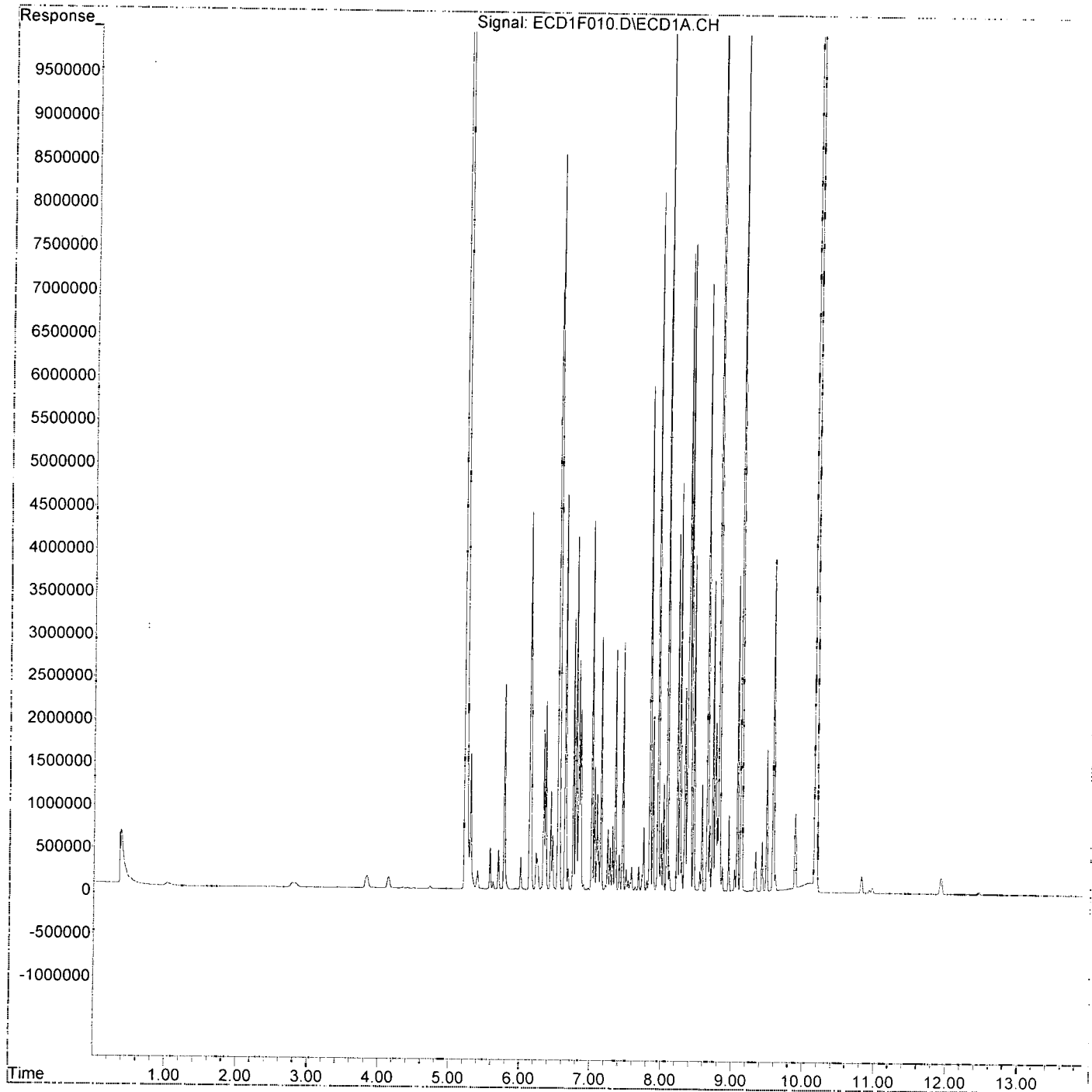
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\requant\
Data File : ECD1F010.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 9:52
Operator : MJB / KAK
Sample : 0D30020-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:16:11 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Isooctane	E1A90127	1	Sample		
2	Vial 1	Isooctane	E1A90127	1	Sample		
3	Vial 2	0D30020-ICB1	E1A90127	1	Sample		
4	Vial 3	0D30020-CAL1	E1A90127	1	Sample		
5	Vial 4	0D30020-CAL2	E1A90127	1	Sample		
6	Vial 5	0D30020-CAL3	E1A90127	1	Sample		
7	Vial 6	0D30020-CAL4	E1A90127	1	Sample		
8	Vial 7	0D30020-CAL5	E1A90127	1	Sample		
9	Vial 8	0D30020-CAL6	E1A90127	1	Sample		
10	Vial 9	0D30020-CAL7	E1A90127	1	Sample		
11	Vial 1	0D30020-IBL1	E1A90127	1	Sample		
12	Vial 10	0D30020-ICV1	E1A90127	1	Sample		
13	Vial 11	0D30020-CAL8	E1A90127	1	Sample		
14	Vial 12	0D30020-CAL9	E1A90127	1	Sample		
15	Vial 13	0D30020-CALA	E1A90127	1	Sample		
16	Vial 14	0D30020-CALB	E1A90127	1	Sample		
17	Vial 15	0D30020-CALC	E1A90127	1	Sample		
18	Vial 16	0D30020-CALD	E1A90127	1	Sample		
19	Vial 17	0D30020-CALE	E1A90127	1	Sample		
20	Vial 18	0D30020-ICV2	E1A90127	1	Sample		
21	Vial 19	0D30020-ICV3	E1A90127	1	Sample		
22	Vial 20	0D30020-ICV4	E1A90127	1	Sample		
23	Vial 21	0D30020-ICV5	E1A90127	1	Sample		

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Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Isooctane	E1A90127	1	Sample		
2	Vial 51	Isooctane	E1A90127	1	Sample		
3	Vial 54	Surr. Check	E1A90127	1	Sample		
4	Vial 52	0D30021-CCV1	E1A90127	1	Sample		
5	Vial 53	0D30021-CCB1	E1A90127	1	Sample		
6	Vial 51	Isooctane	E1A90127	1	Sample		
7	Vial 51	Isooctane	E1A90127	1	Sample		
8	Vial 51	Isooctane	E1A90127	1	Sample		
9	Vial 51	Isooctane	E1A90127	1	Sample		
10	Vial 51	Isooctane	E1A90127	1	Sample		
11	Vial 51	Isooctane	E1A90127	1	Sample		
12	Vial 51	Isooctane	E1A90127	1	Sample		
13	Vial 51	Isooctane	E1A90127	1	Sample		
14	Vial 51	Isooctane	E1A90127	1	Sample		
15	Vial 51	Isooctane	E1A90127	1	Sample		
16	Vial 51	Isooctane	E1A90127	1	Sample		
17	Vial 51	Isooctane	E1A90127	1	Sample		
18	Vial 51	Isooctane	E1A90127	1	Sample		
19	Vial 51	Isooctane	E1A90127	1	Sample		
20	Vial 51	Isooctane	E1A90127	1	Sample		
21	Vial 51	Isooctane	E1A90127	1	Sample		
22	Vial 51	Isooctane	E1A90127	1	Sample		
23	Vial 51	Isooctane	E1A90127	1	Sample		

Data Path : I:\DATA\0D30020\
 Data File : ECD1F004.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:02
 Operator : MJB / KAK
 Sample : 0D30020-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:52:55 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	860016	9.531 ng/ml
64) S DCBP (S)	10.173	573652	9.049 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.131	75043	24.292 ng/ml
3) Aroclor 1016 (2)	6.547	119539	20.762 ng/ml
4) Aroclor 1016 (3)	6.630	73475	22.764 ng/ml
5) Aroclor 1016 (4)	6.785	69674	22.044 ng/ml
6) Aroclor 1016 (5)	7.011	71768	22.918 ng/ml
7) Aroclor 1016 (6)	7.140	51049	23.196 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.948	121959	21.237 ng/ml
44) Aroclor 1260 (2)	8.078	147859	20.149 ng/ml
45) Aroclor 1260 (3)	8.645	106746	20.460 ng/ml

Data Path : I:\DATA\0D30020\
 Data File : ECD1F004.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:02
 Operator : MJB / KAK
 Sample : 0D30020-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:52:55 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

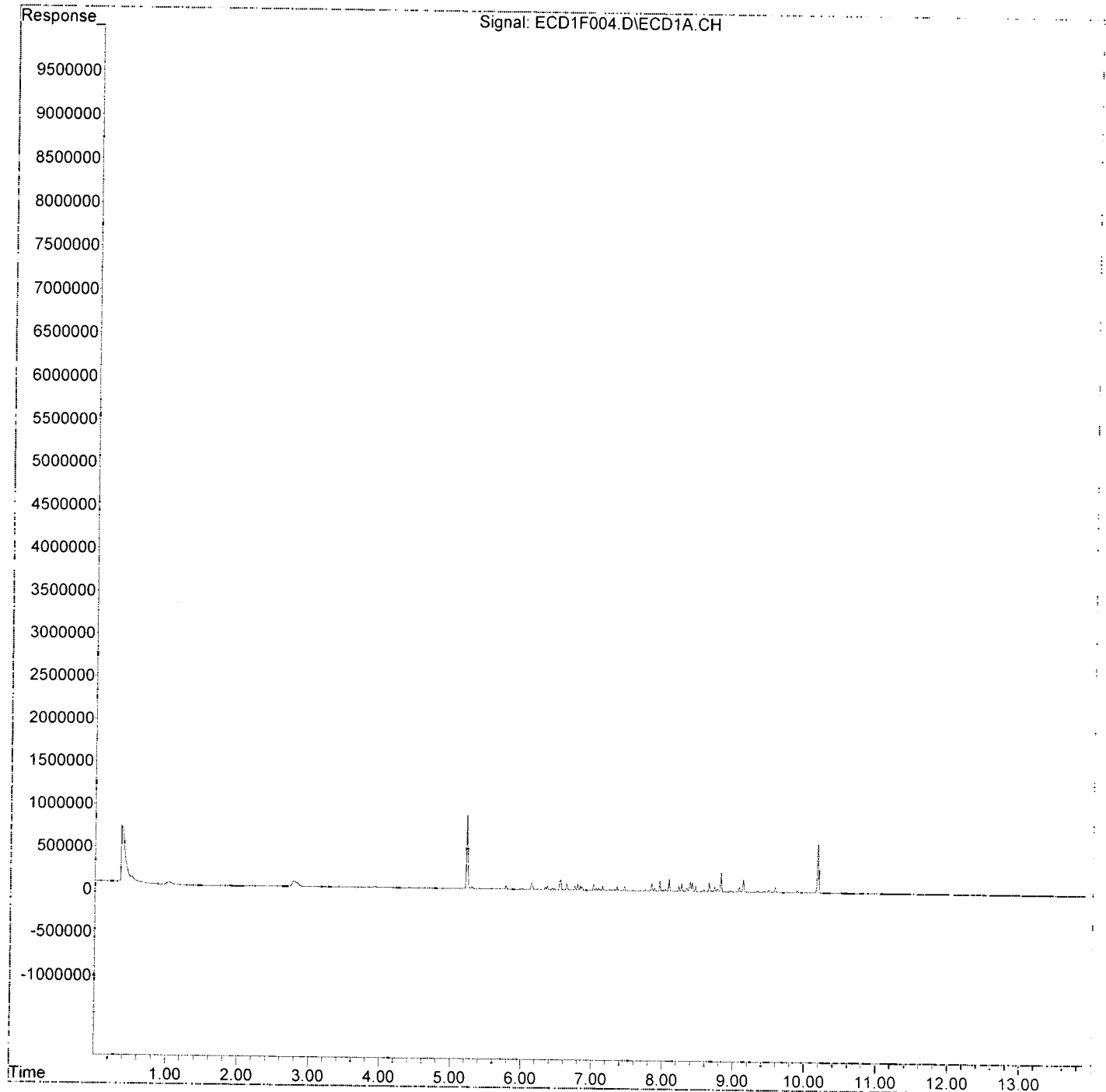
Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.813	230204	18.393 ng/ml
47) Aroclor 1260 (5)	9.127	139840	19.444 ng/ml
48) Aroclor 1260 (6)	9.576	62024	21.657 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\
Data File : ECD1F004.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:02
Operator : MJB / KAK
Sample : 0D30020-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 13:52:55 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F005.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:20
 Operator : MJB / KAK
 Sample : 0D30020-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:54:20 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	2284473	25.317 ng/ml
64) S DCBP (S)	10.172	1441514	22.738 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.131	170865	55.310 ng/ml
3) Aroclor 1016 (2)	6.547	282167	49.009 ng/ml
4) Aroclor 1016 (3)	6.629	172778	53.529 ng/ml
5) Aroclor 1016 (4)	6.784	159597	52.786 ng/ml
6) Aroclor 1016 (5)	7.012	164792	52.625 ng/ml
7) Aroclor 1016 (6)	7.139	114833	52.179 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	270225	47.056 ng/ml
44) Aroclor 1260 (2)	8.078	348454	47.486 ng/ml
45) Aroclor 1260 (3)	8.645	242267	46.434 ng/ml

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 5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F005.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:20
 Operator : MJB / KAK
 Sample : 0D30020-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:54:20 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.813	551055	44.030 ng/ml
47) Aroclor 1260 (5)	9.128	332646	46.252 ng/ml
48) Aroclor 1260 (6)	9.575	146979	51.322 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

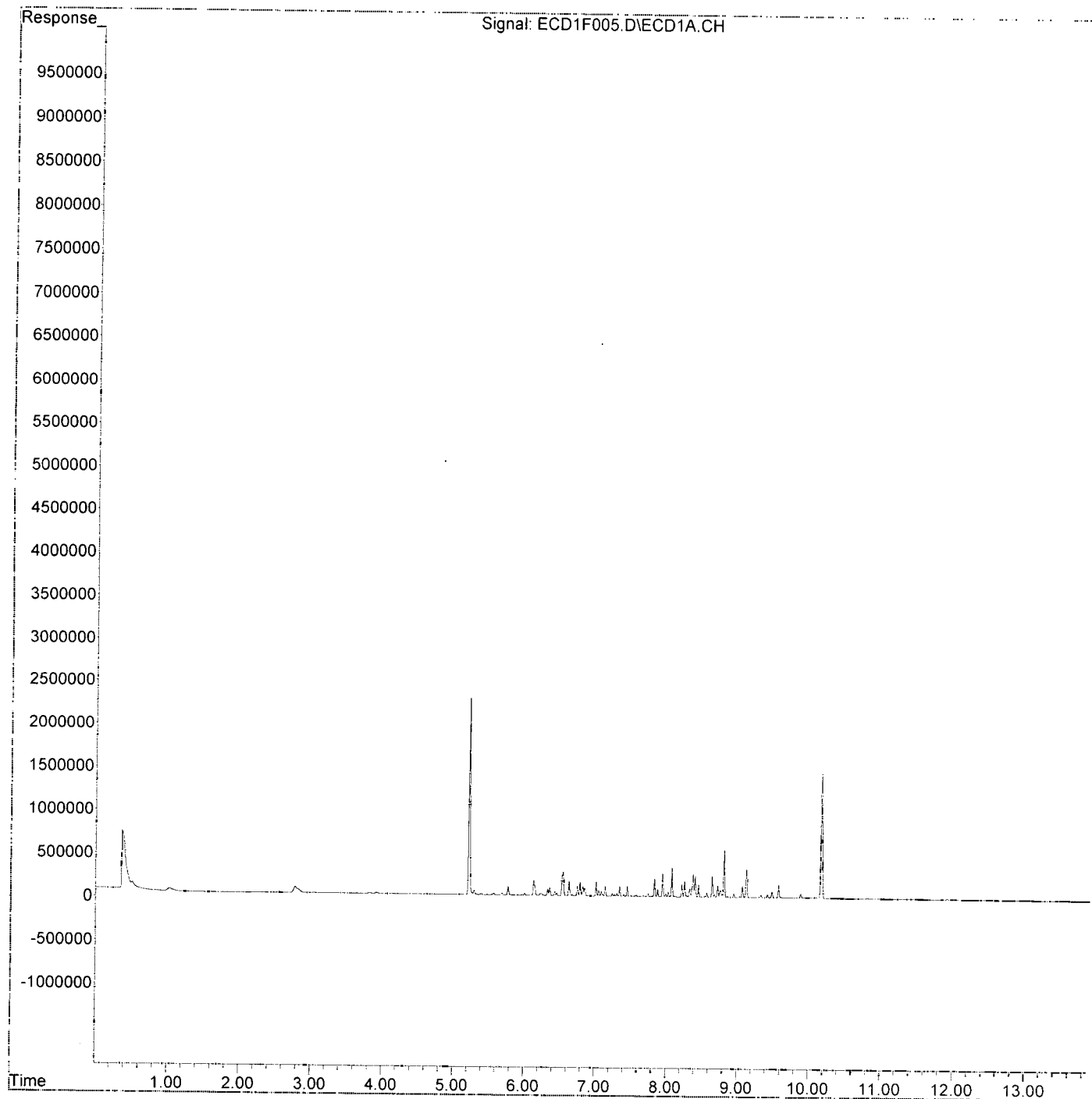
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F005.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:20
Operator : MJB / KAK
Sample : 0D30020-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 13:54:20 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F006.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:38
 Operator : MJB / KAK
 Sample : 0D30020-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:55:40 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	4553247	50.460 ng/ml
64) S DCBP (S)	10.171	2981125	47.023 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.130	325287	105.298 ng/ml
3) Aroclor 1016 (2)	6.546	537127	93.293 ng/ml
4) Aroclor 1016 (3)	6.629	320183	99.198 ng/ml
5) Aroclor 1016 (4)	6.784	292455	96.728 ng/ml
6) Aroclor 1016 (5)	7.011	299056	98.501 ng/ml
7) Aroclor 1016 (6)	7.139	211571	96.136 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	519694	90.498 ng/ml
44) Aroclor 1260 (2)	8.077	662986	90.349 ng/ml
45) Aroclor 1260 (3)	8.644	466052	89.326 ng/ml

Handwritten signature and date: 5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F006.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:38
 Operator : MJB / KAK
 Sample : 0D30020-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:55:40 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.812	1092746	87.311 ng/ml
47) Aroclor 1260 (5)	9.126	645775	89.790 ng/ml
48) Aroclor 1260 (6)	9.575	263397	91.973 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

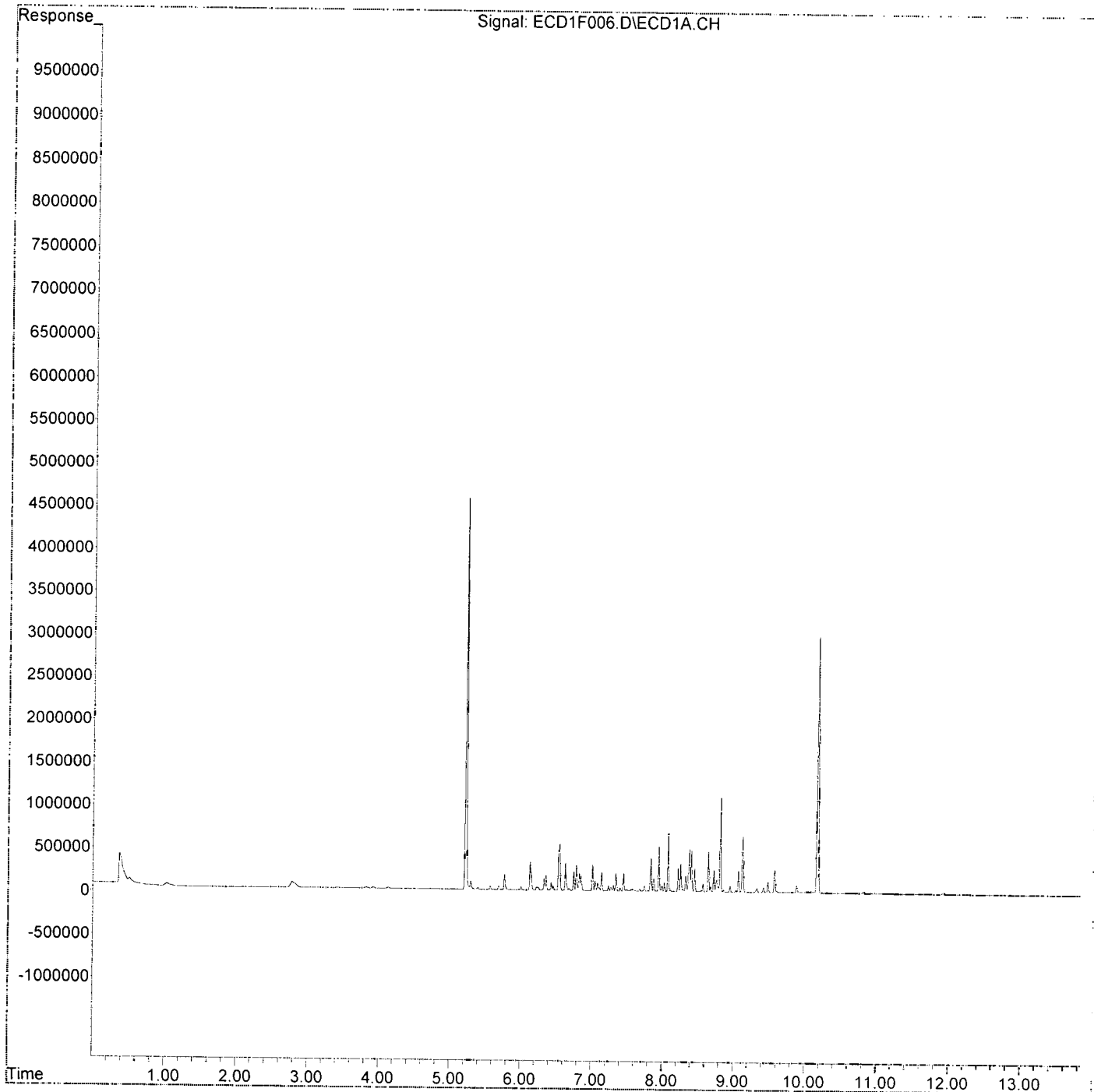
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F006.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:38
Operator : MJB / KAK
Sample : 0D30020-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 13:55:40 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F007.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:57
 Operator : MJB / KAK
 Sample : 0D30020-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:57:04 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.220	8925994	98.920 ng/ml
64) S DCBP (S)	10.170	6373505	100.534 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.130	595490	192.765 ng/ml
3) Aroclor 1016 (2)	6.547	1081459	187.836 ng/ml
4) Aroclor 1016 (3)	6.629	614115	190.262 ng/ml
5) Aroclor 1016 (4)	6.784	552352	182.688 ng/ml
6) Aroclor 1016 (5)	7.011	576402	184.069 ng/ml
7) Aroclor 1016 (6)	7.140	412480	187.427 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
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)	7.946	1019577	177.546 ng/ml
44) Aroclor 1260 (2)	8.077	1338508	182.406 ng/ml
45) Aroclor 1260 (3)	8.643	906277	172.701 ng/ml

Handwritten signature and date: 5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F007.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 8:57
 Operator : MJB / KAK
 Sample : 0D30020-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:57:04 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.812	2294103	183.300 ng/ml
47) Aroclor 1260 (5)	9.126	1312681	182.517 ng/ml
48) Aroclor 1260 (6)	9.574	511599	178.639 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

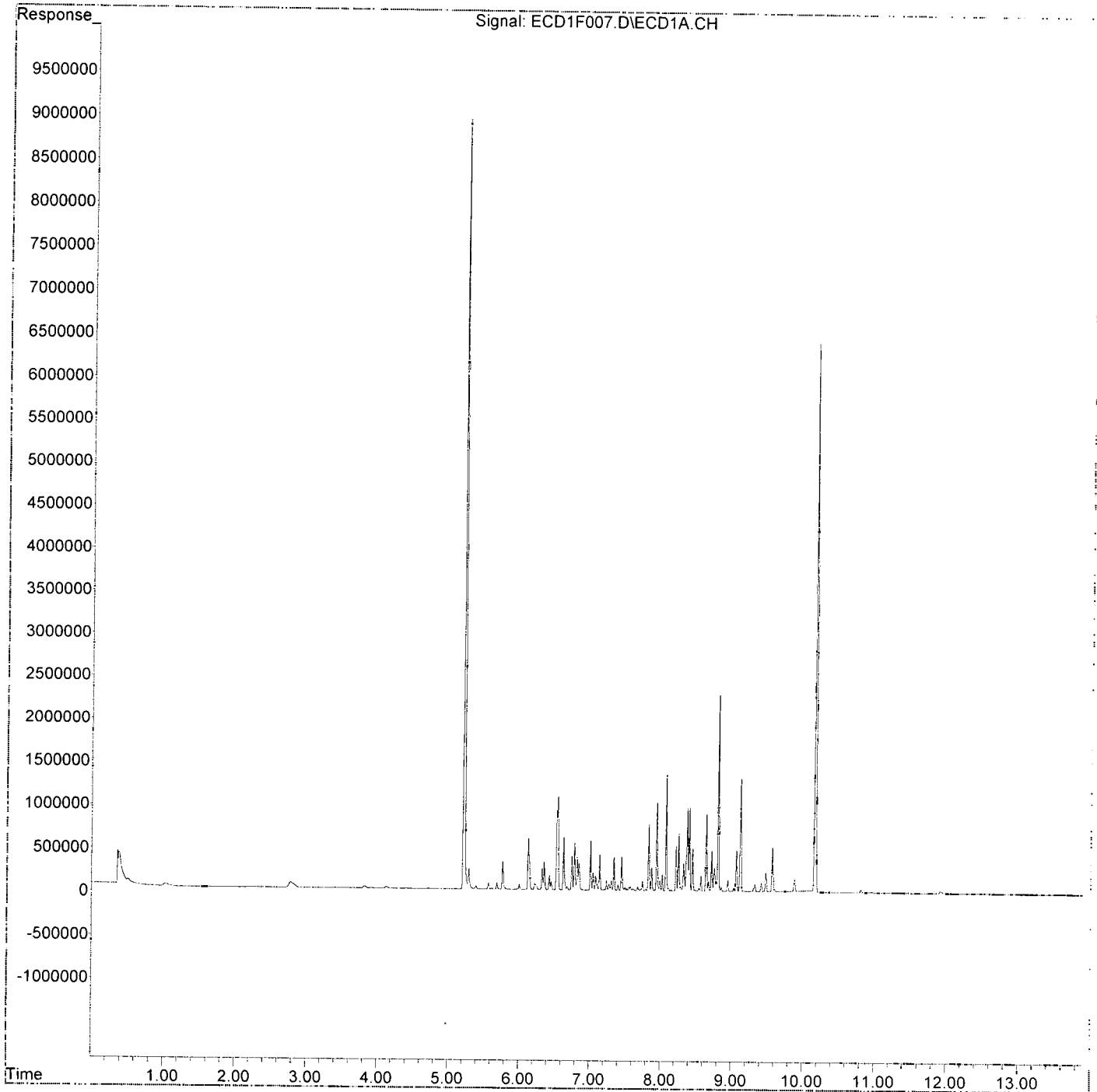
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F007.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 8:57
Operator : MJB / KAK
Sample : 0D30020-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 13:57:04 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F008.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:15
 Operator : MJB / KAK
 Sample : 0D30020-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:51:16 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.219	21436043	237.558 ng/ml
64) S DCBP (S)	10.173	14308478	225.697 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.130	1438732	465.728 ng/ml
3) Aroclor 1016 (2)	6.546	2757074	478.870 ng/ml
4) Aroclor 1016 (3)	6.629	1509923	467.798 ng/ml
5) Aroclor 1016 (4)	6.784	1327781	439.157 ng/ml
6) Aroclor 1016 (5)	7.011	1405919	448.969 ng/ml
7) Aroclor 1016 (6)	7.139	1001442	455.045 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	2517299	438.384 ng/ml
44) Aroclor 1260 (2)	8.077	3306085	450.538 ng/ml
45) Aroclor 1260 (3)	8.645	2273746	435.797 ng/ml

Handwritten signature
5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F008.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:15
 Operator : MJB / KAK
 Sample : 0D30020-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 13:51:16 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.813	5706291	455.935 ng/ml
47) Aroclor 1260 (5)	9.127	3260391	453.330 ng/ml
48) Aroclor 1260 (6)	9.575	1278824	446.537 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

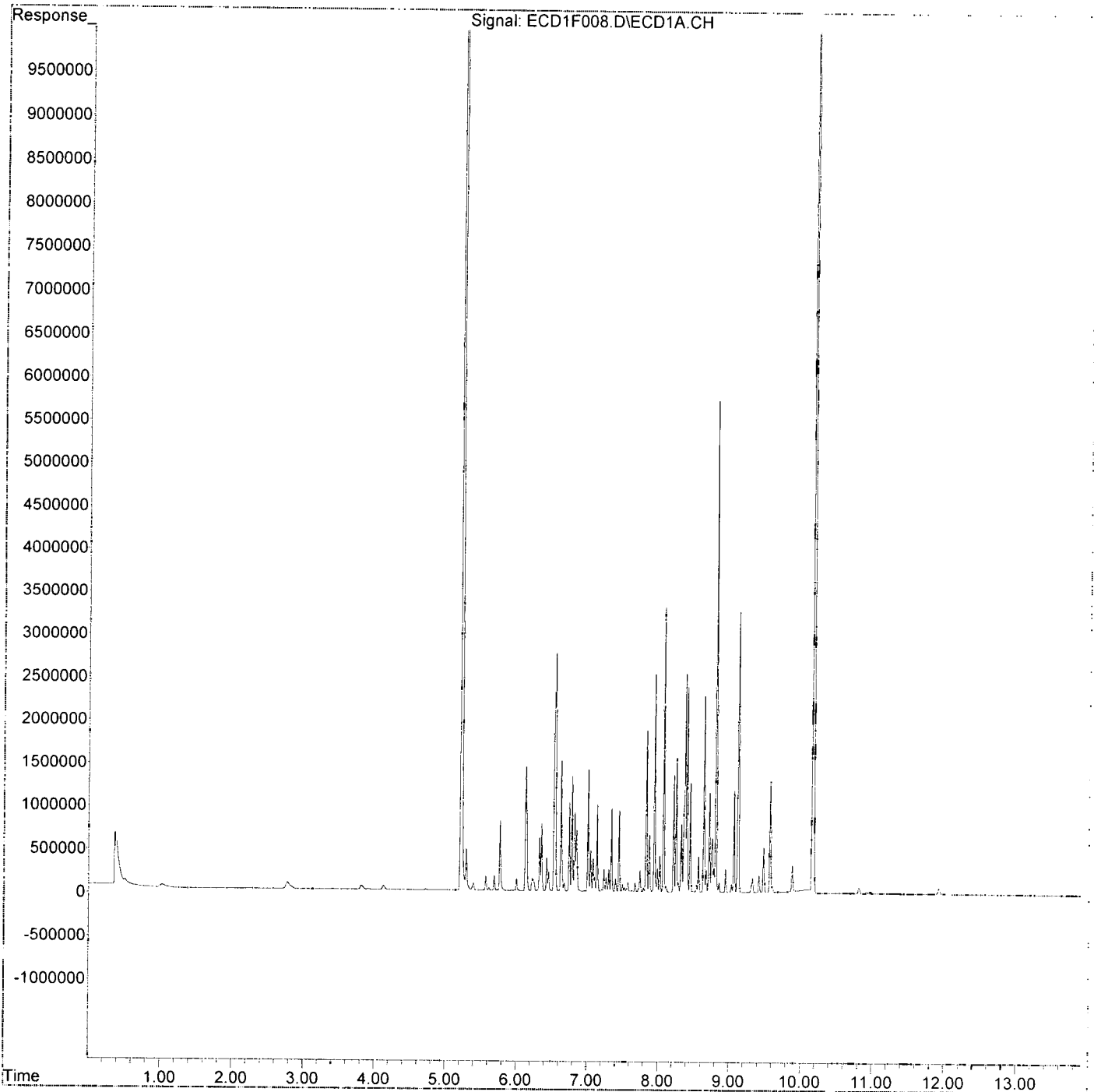
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F008.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 9:15
Operator : MJB / KAK
Sample : 0D30020-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 13:51:16 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F009.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:33
 Operator : MJB / KAK
 Sample : 0D30020-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:07:39 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.222	46961291	520.434 ng/ml
64) S DCBP (S)	10.173	31556582	497.763 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.131	2847575	921.781 ng/ml
3) Aroclor 1016 (2)	6.547	5462902	948.840 ng/ml
4) Aroclor 1016 (3)	6.629	3004398	930.809 ng/ml
5) Aroclor 1016 (4)	6.784	2660859	880.066 ng/ml
6) Aroclor 1016 (5)	7.011	2763282	882.433 ng/ml
7) Aroclor 1016 (6)	7.139	1931733	877.760 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	5266096	917.020 ng/ml
44) Aroclor 1260 (2)	8.078	6691544	911.892 ng/ml
45) Aroclor 1260 (3)	8.644	4692687	899.422 ng/ml

MJB 9/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F009.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:33
 Operator : MJB / KAK
 Sample : 0D30020-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:07:39 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.812	11826017	944.904 ng/ml
47) Aroclor 1260 (5)	9.126	6748807	938.365 ng/ml
48) Aroclor 1260 (6)	9.575	2581977	901.570 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

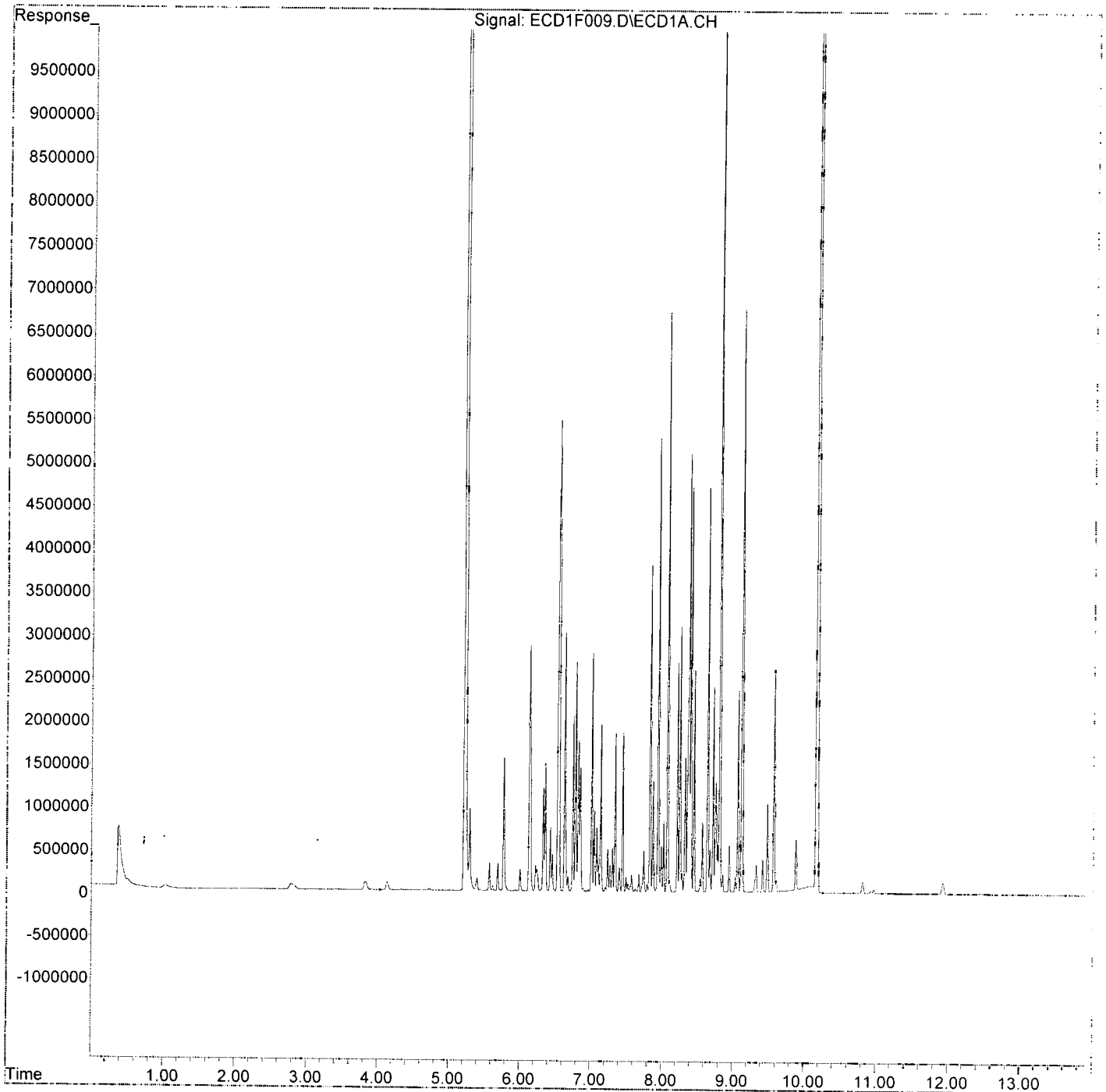
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F009.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 9:33
Operator : MJB / KAK
Sample : 0D30020-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:07:39 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F010.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:52
 Operator : MJB / KAK
 Sample : 0D30020-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:16:11 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.223	77466919	858.504 ng/ml
64) S DCBP (S)	10.173	52178578	823.047 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.131	4411685	1428.095 ng/ml
3) Aroclor 1016 (2)	6.546	8543704	1483.938 ng/ml
4) Aroclor 1016 (3)	6.629	4622539	1432.135 ng/ml
5) Aroclor 1016 (4)	6.784	4127026	1364.993 ng/ml
6) Aroclor 1016 (5)	7.011	4314957	1377.948 ng/ml
7) Aroclor 1016 (6)	7.140	2952363	1341.525 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.947	8110406	1412.318 ng/ml
44) Aroclor 1260 (2)	8.077	10503382	1431.351 ng/ml
45) Aroclor 1260 (3)	8.645	7075688	1356.159 ng/ml

[Handwritten signature]
5/3/20

Data Path : I:\DATA\0D30020\
 Data File : ECD1F010.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 9:52
 Operator : MJB / KAK
 Sample : 0D30020-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:16:11 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	8.812	18411286	1471.069 ng/ml
47) Aroclor 1260 (5)	9.126	10654339	1481.396 ng/ml
48) Aroclor 1260 (6)	9.574	3879478	1354.629 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

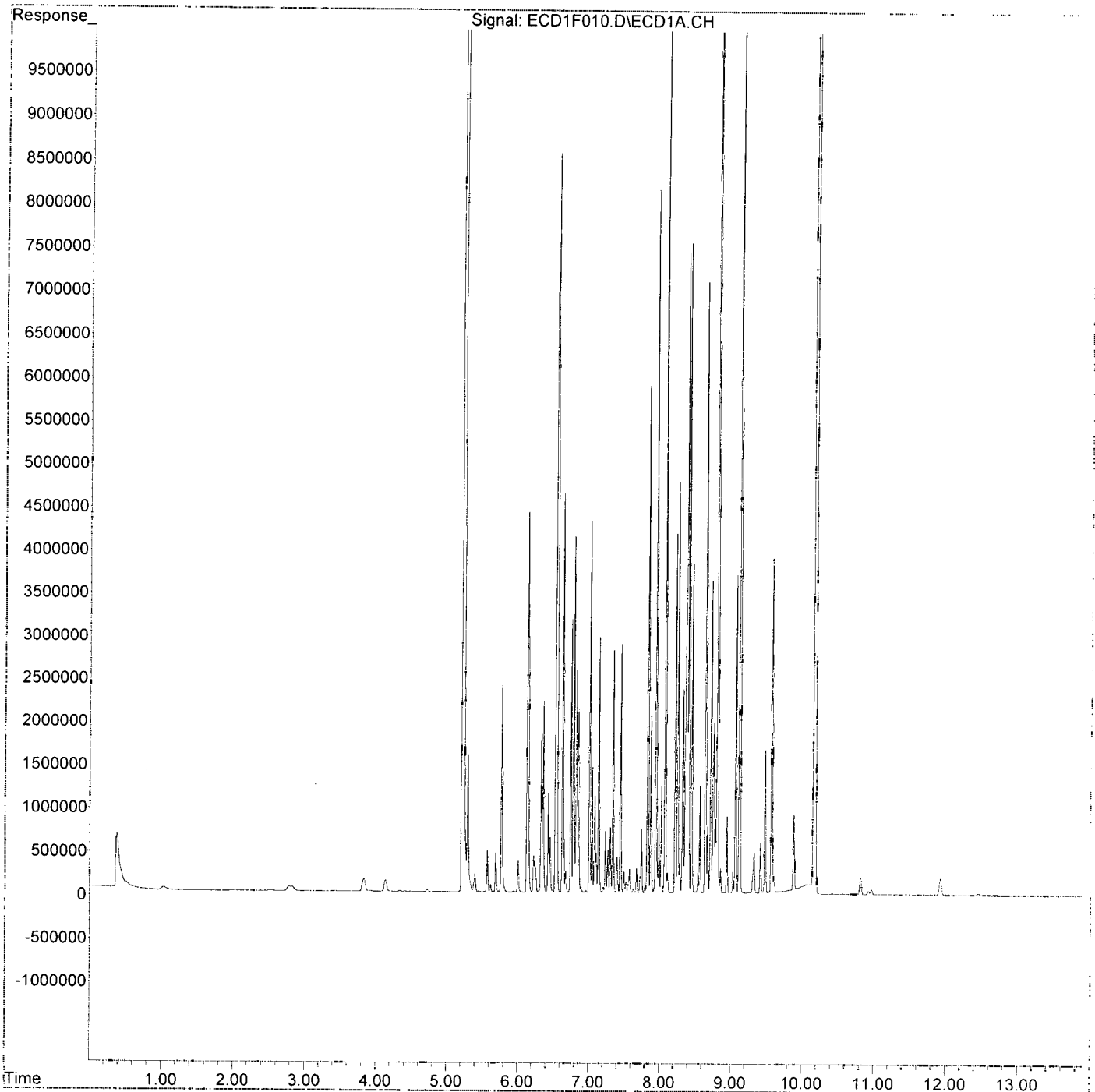
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F010.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 9:52
Operator : MJB / KAK
Sample : 0D30020-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:16:11 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F013.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 10:47
 Operator : MJB / KAK
 Sample : 0D30020-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:17:56 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
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)	5.571	556316	509.978	ng/ml
10) Aroclor 1221 (2)	5.689	347481	510.480	ng/ml
11) Aroclor 1221 (3)	5.770	1169760	512.994	ng/ml
12) Aroclor 1221 (4)	6.239	192678	NoCal	ng/ml
13) Aroclor 1221 (5)	6.547	195422	NoCal	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml

Handwritten signature
 5/13/20

Data Path : I:\DATA\0D30020\
 Data File : ECD1F013.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 10:47
 Operator : MJB / KAK
 Sample : 0D30020-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:17:56 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

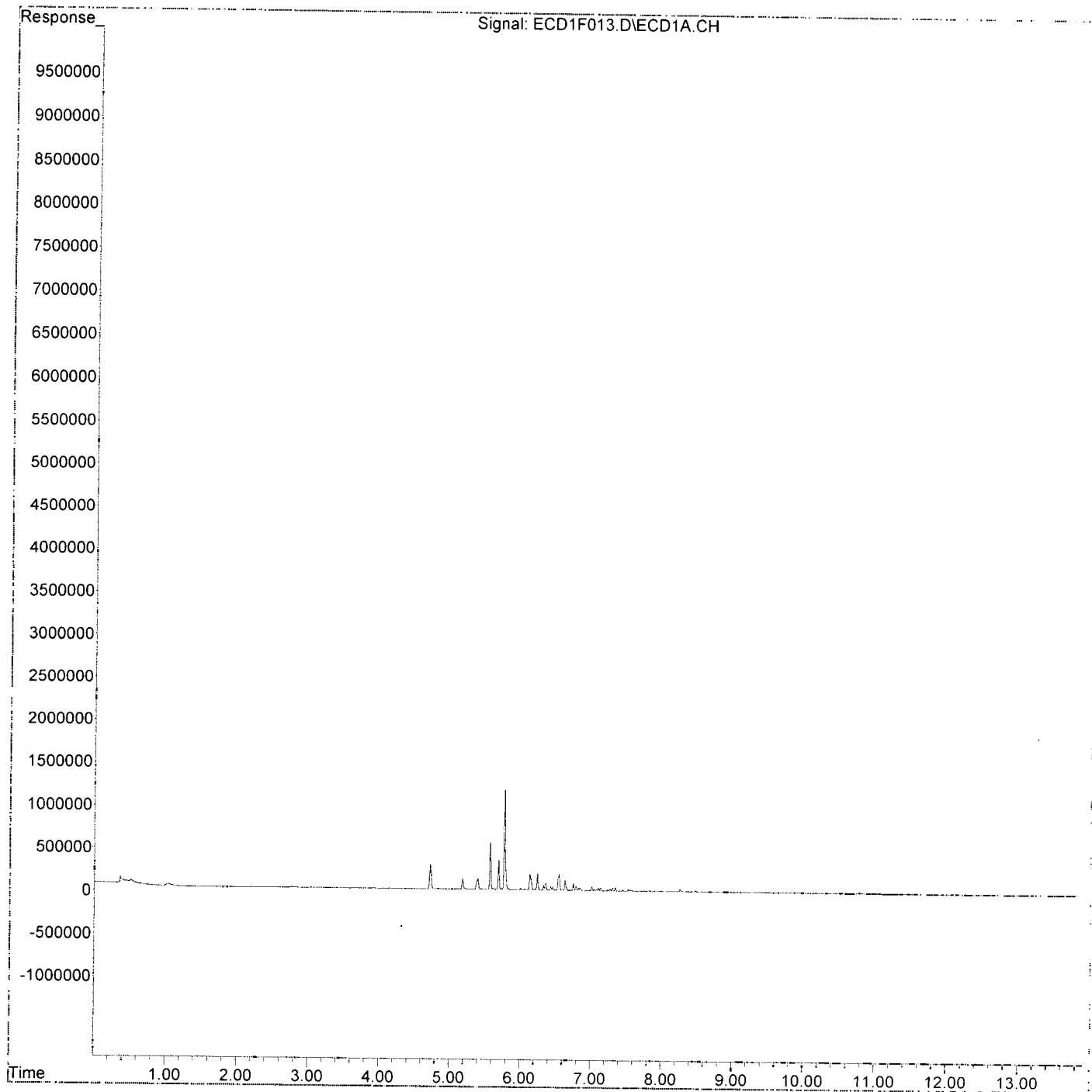
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F013.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 10:47
Operator : MJB / KAK
Sample : 0D30020-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:17:56 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
Qlast Update : Sun May 03 13:51:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F014.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 11:05
 Operator : MJB / KAK
 Sample : 0D30020-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:19:23 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
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)	5.770	942565	529.287	ng/ml
16) Aroclor 1232 (2)	6.546	1146408	495.155	ng/ml
17) Aroclor 1232 (3)	6.629	647184	498.227	ng/ml
18) Aroclor 1232 (4)	6.784	481209	491.099	ng/ml
19) Aroclor 1232 (5)	7.011	558788	502.598	ng/ml
20) Aroclor 1232 (6)	7.139	439361	490.231	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml

Handwritten signature and date: MJB 5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F014.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 11:05
 Operator : MJB / KAK
 Sample : 0D30020-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:19:23 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 13:51:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

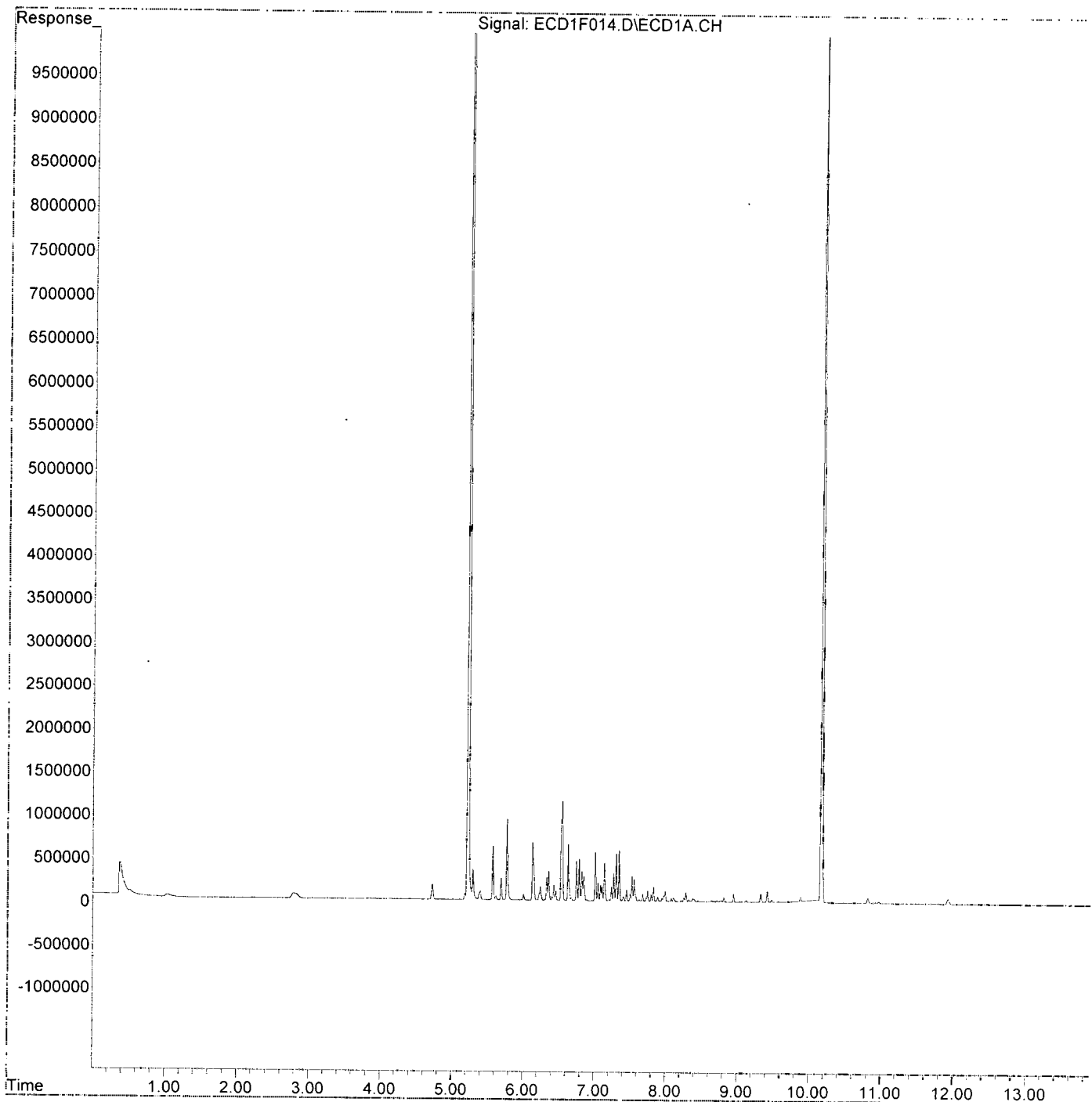
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD30020\
Data File : ECD1F014.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 11:05
Operator : MJB / KAK
Sample : OD30020-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:19:23 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 13:51:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F015.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 11:23
 Operator : MJB / KAK
 Sample : 0D30020-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:21:14 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:21:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
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)	6.130	1133740	526.353	ng/ml
23) Aroclor 1242 (2)	6.545	2162326	521.450	ng/ml
24) Aroclor 1242 (3)	6.628	1235253	539.410	ng/ml
25) Aroclor 1242 (4)	6.783	1001034	498.717	ng/ml
26) Aroclor 1242 (5)	7.009	1108417	483.823	ng/ml
27) Aroclor 1242 (6)	7.138	919122	491.282	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

Handwritten signature and date: 9/3/20

Data Path : I:\DATA\0D30020\
 Data File : ECD1F015.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 11:23
 Operator : MJB / KAK
 Sample : 0D30020-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:21:14 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:21:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

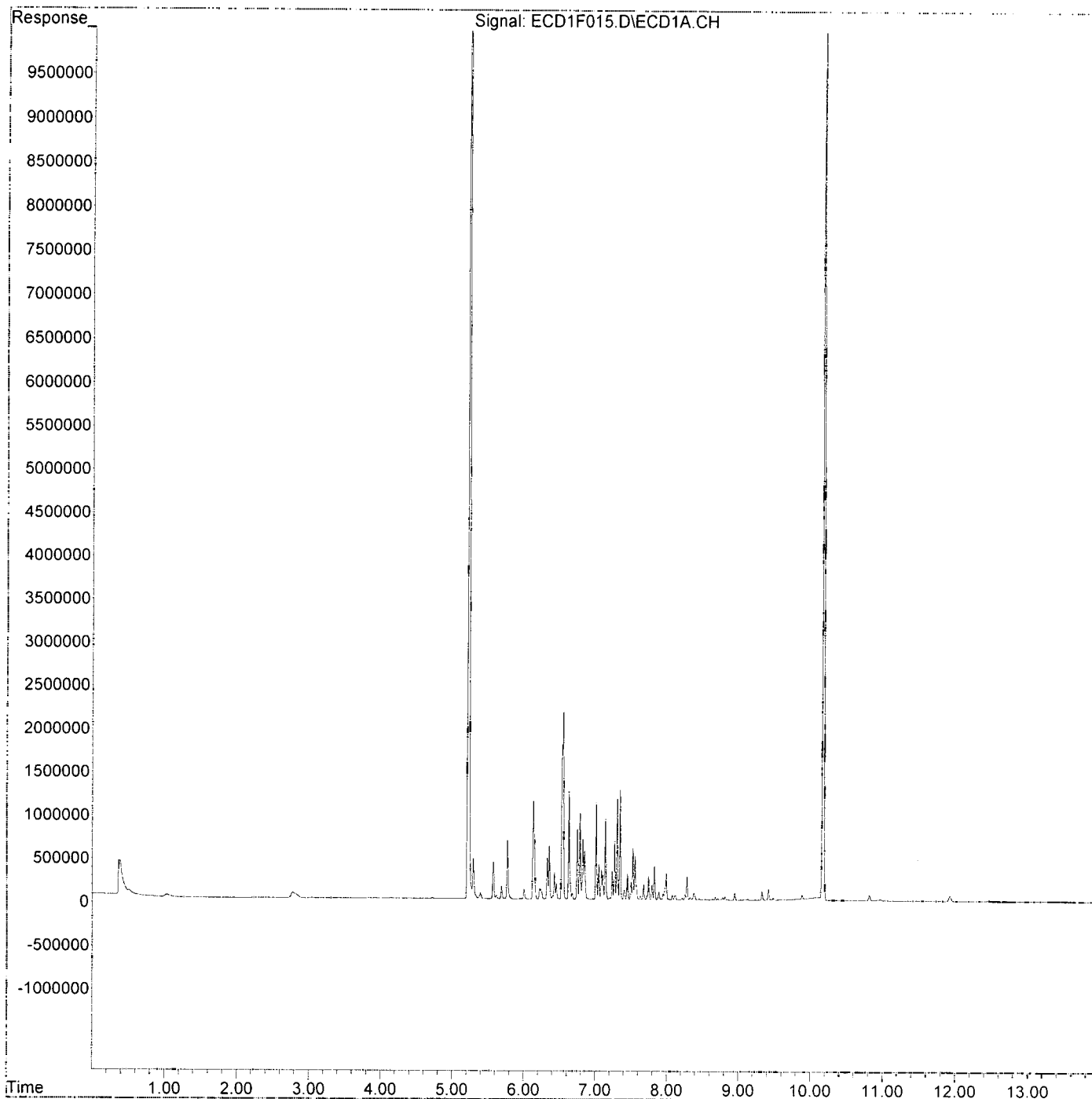
Compound	R.T.	Response	Conc	Units
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\
Data File : ECD1F015.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 11:23
Operator : MJB / KAK
Sample : 0D30020-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:21:14 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:21:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F016.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 11:41
 Operator : MJB / KAK
 Sample : 0D30020-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:23:02 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:22:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.546	1254480	500.965	ng/ml
30) Aroclor 1248 (2)	6.784	1729629	511.217	ng/ml
31) Aroclor 1248 (3)	7.010	1811824	476.416	ng/ml
32) Aroclor 1248 (4)	7.304	1992422	473.366	ng/ml
33) Aroclor 1248 (5)	7.344	2212535	492.305	ng/ml
34) Aroclor 1248 (6)	7.826	1070394	473.821	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

Handwritten signature and date: 9/3/20

Data Path : I:\DATA\0D30020\
 Data File : ECD1F016.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 11:41
 Operator : MJB / KAK
 Sample : 0D30020-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:23:02 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:22:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

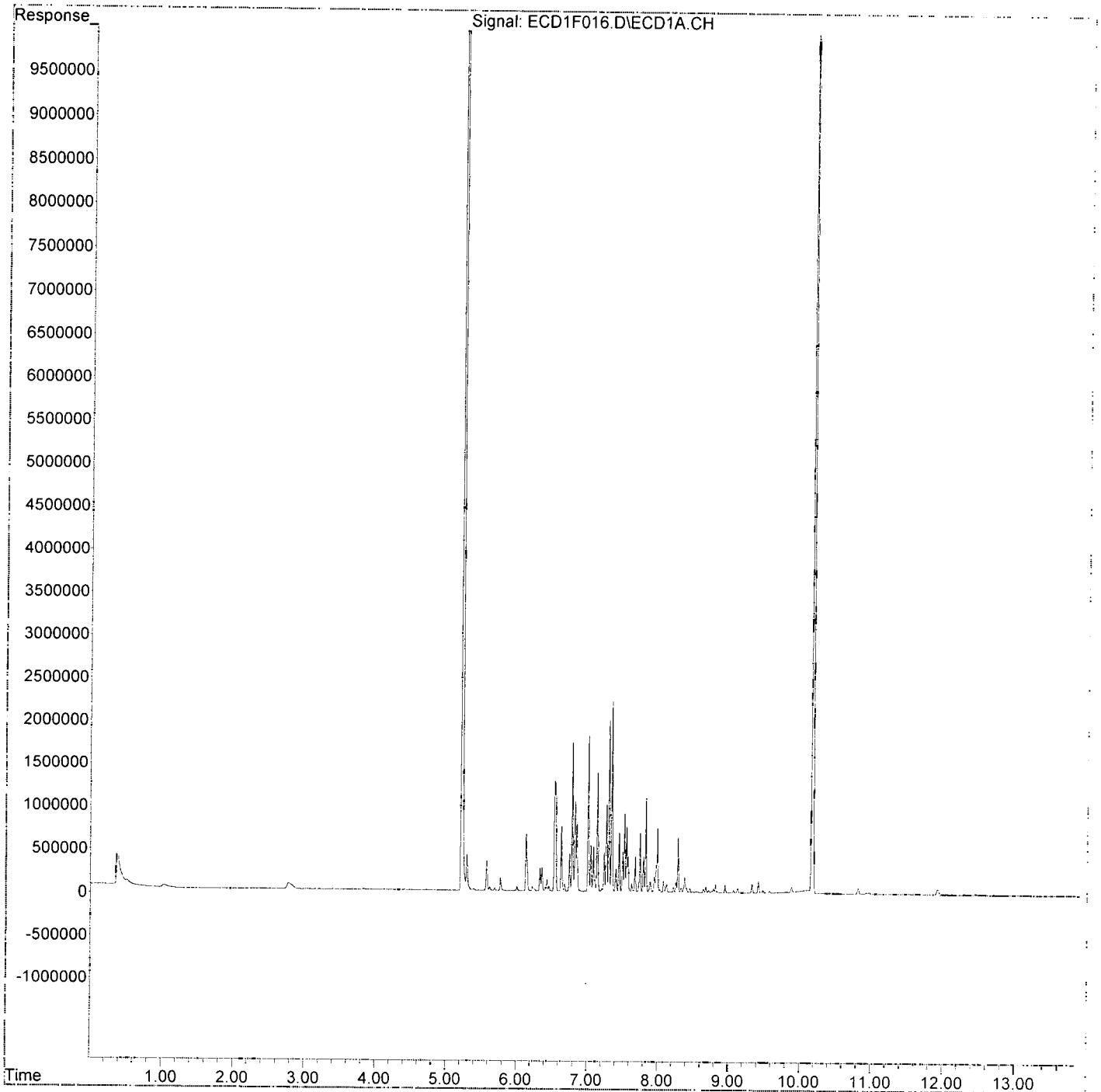
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F016.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 11:41
Operator : MJB / KAK
Sample : 0D30020-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:23:02 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:22:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F017.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:00
 Operator : MJB / KAK
 Sample : 0D30020-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:24:52 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:24:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.341	2231363	498.857	ng/ml
37) Aroclor 1254 (2)	7.449	2532516	480.466	ng/ml
38) Aroclor 1254 (3)	7.826	3752610	472.395	ng/ml
39) Aroclor 1254 (4)	7.991	2522906	464.462	ng/ml
40) Aroclor 1254 (5)	8.378	2490244	473.921	ng/ml
41) Aroclor 1254 (6)	8.677	803364	460.486	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

MJB 5/3/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F017.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:00
 Operator : MJB / KAK
 Sample : 0D30020-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:24:52 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:24:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

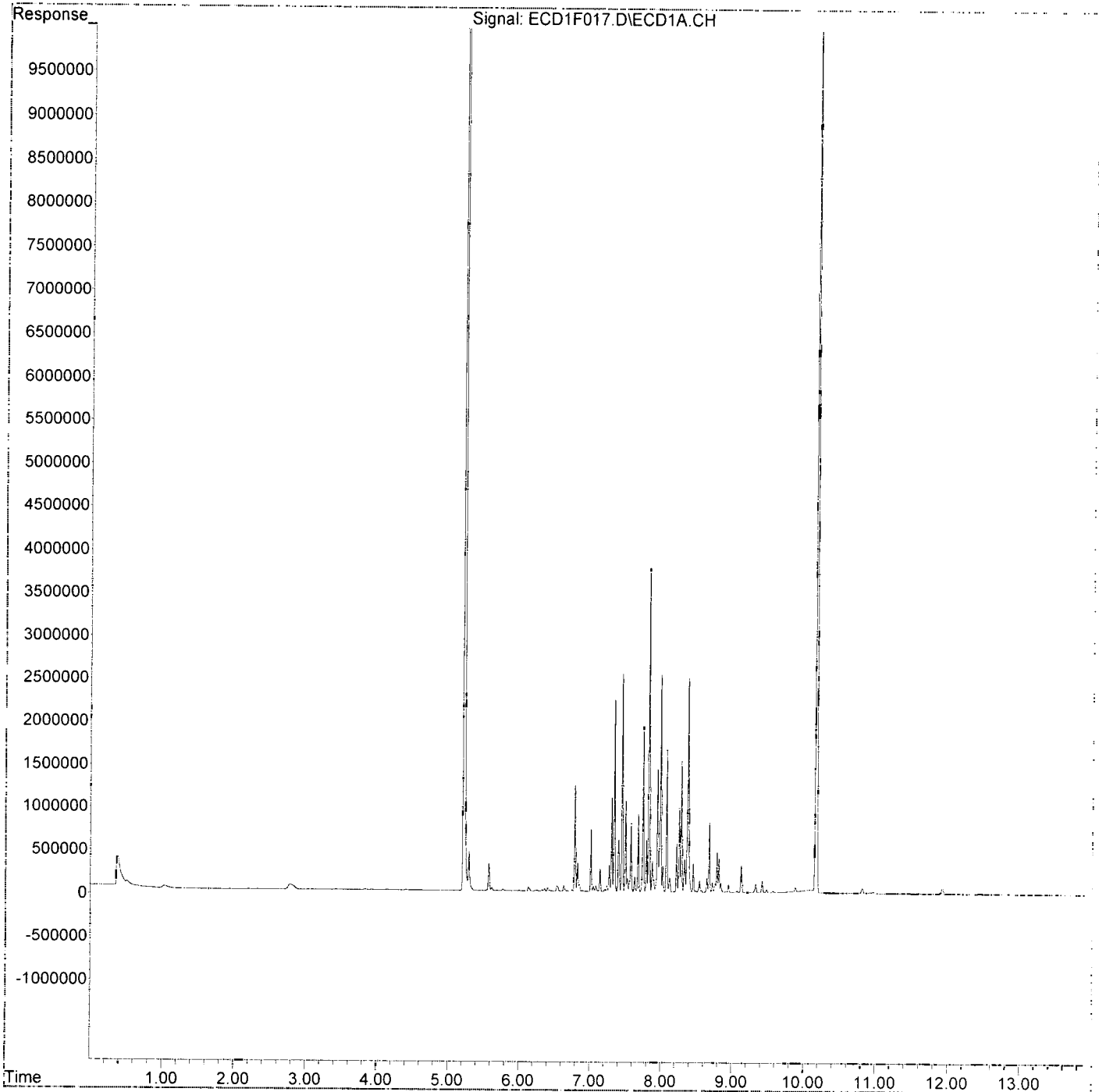
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F017.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 12:00
Operator : MJB / KAK
Sample : 0D30020-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:24:52 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:24:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F018.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:18
 Operator : MJB / KAK
 Sample : 0D30020-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:27:03 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:26:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 5/3/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F018.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:18
 Operator : MJB / KAK
 Sample : 0D30020-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:27:03 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:26:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
46) Aroclor 1260 (4)	0.000	0	N.D. ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D. ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D. ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.077	2609298	462.954 ng/ml
51) Aroclor 1262 (2)	8.406	3699523	489.780 ng/ml
52) Aroclor 1262 (3)	8.643	3021049	476.117 ng/ml
53) Aroclor 1262 (4)	8.812	6546294	464.537 ng/ml
54) Aroclor 1262 (5)	9.125	3528731	493.068 ng/ml
55) Aroclor 1262 (6)	9.573	1787056	478.198 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Handwritten signature and date: 5/3/20

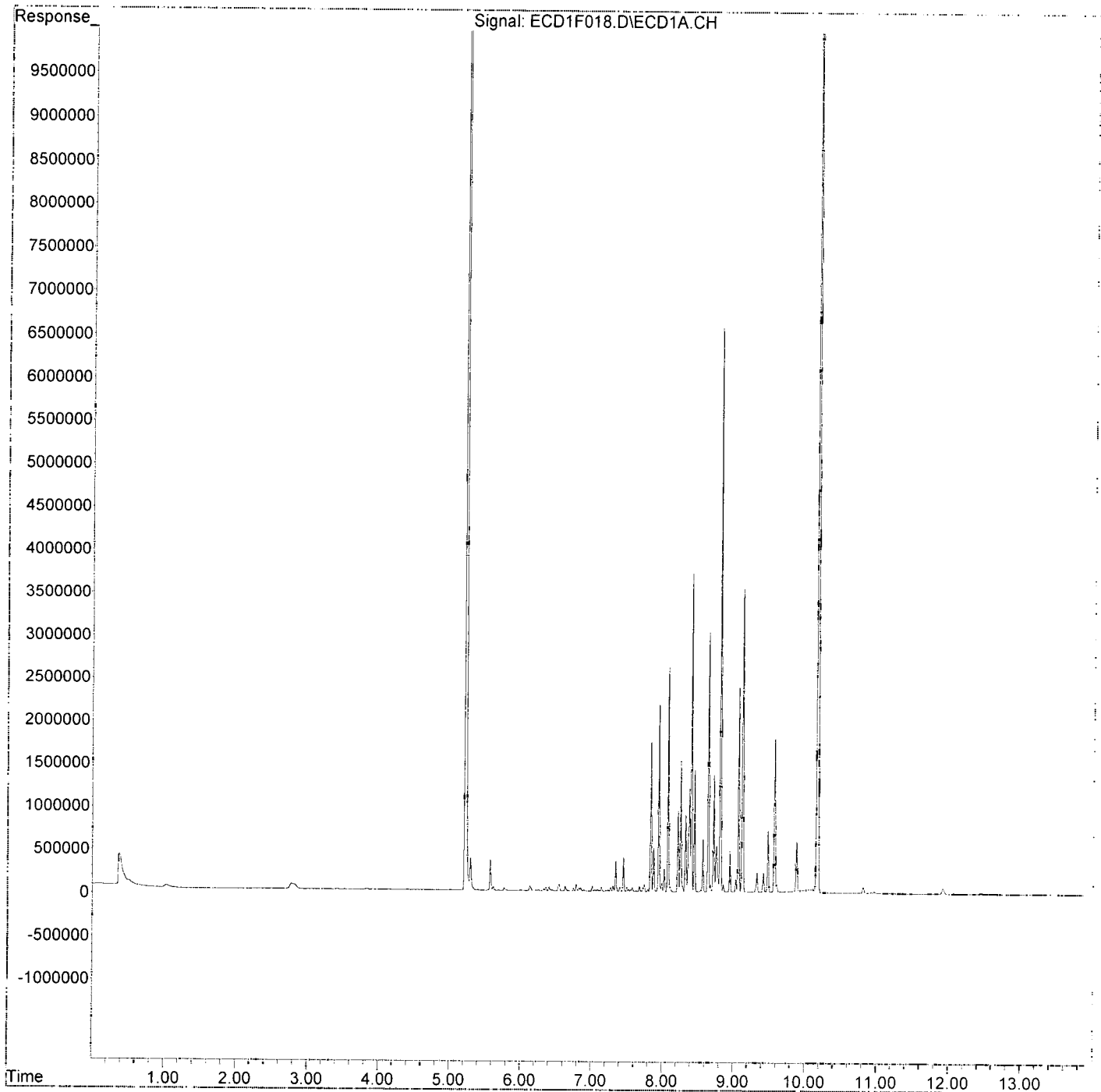
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
Data File : ECD1F018.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 12:18
Operator : MJB / KAK
Sample : 0D30020-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:27:03 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:26:57 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : I:\DATA\0D30020\
 Data File : ECD1F019.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:36
 Operator : MJB / KAK
 Sample : 0D30020-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:29:06 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:29:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D30020\
 Data File : ECD1F019.D
 Signal(s) : ECD1A.CH
 Acq On : 30 Apr 2020 12:36
 Operator : MJB / KAK
 Sample : 0D30020-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 03 14:29:06 2020
 Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
 Quant Title : PCB Data Analysis
 QLast Update : Sun May 03 14:29:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	8.636	1697887	479.907	ng/ml
58) Aroclor 1268 (2)	9.068	7402498	465.757	ng/ml
59) Aroclor 1268 (3)	9.117	6097255	470.350	ng/ml
60) Aroclor 1268 (4)	9.327	5288806	479.131	ng/ml
61) Aroclor 1268 (5)	9.573	2030214	454.101	ng/ml
62) Aroclor 1268 (6)	9.883	14711659	498.185	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

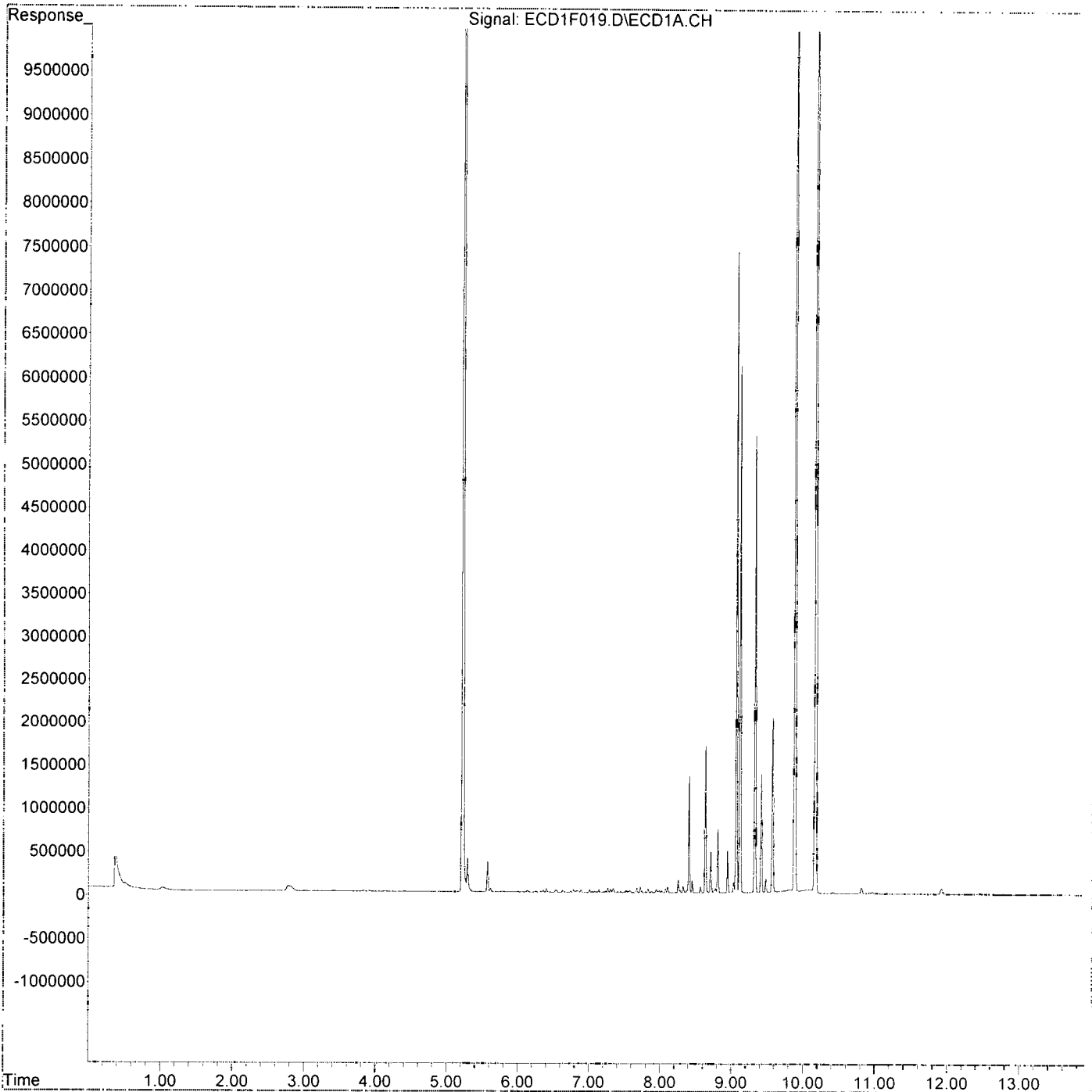
[Handwritten signature]
 5/3/20

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D30020\
Data File : ECD1F019.D
Signal(s) : ECD1A.CH
Acq On : 30 Apr 2020 12:36
Operator : MJB / KAK
Sample : 0D30020-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 03 14:29:06 2020
Quant Method : I:\METHODS\FECD1_QUANTPCB_200430.M
Quant Title : PCB Data Analysis
QLast Update : Sun May 03 14:29:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0D02023 (Cal ID A0D0303) DUALECD1R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D02023

Instrument: DUALECD1R

Date: 04/02/20 06:55

Calibration: A0D0303

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D02023-ICB1	Water	QC	QC				A20C404
2	0D02023-CAL1	Water	QC	QC				A19L280
3	0D02023-CAL2	Water	QC	QC				A19L281
4	0D02023-CAL3	Water	QC	QC				A19L282
5	0D02023-CAL4	Water	QC	QC				A19L283
6	0D02023-CAL5	Water	QC	QC				A19L276
7	0D02023-CAL6	Water	QC	QC				A19L278
8	0D02023-CAL7	Water	QC	QC				A19L279
9	0D02023-IBL1	Water	QC	QC				
10	0D02023-ICV1	Water	QC	QC				A20B355
11	0D02023-CAL8	Water	QC	QC				A20C117
12	0D02023-CAL9	Water	QC	QC				A20B322
13	0D02023-CALA	Water	QC	QC				A20B323
14	0D02023-CALB	Water	QC	QC				A20B324
15	0D02023-CALC	Water	QC	QC				A20B325
16	0D02023-CALD	Water	QC	QC				A20B326
17	0D02023-CALE	Water	QC	QC				A20B327
18	0D02023-ICV2	Water	QC	QC				A20B353
19	0D02023-ICV3	Water	QC	QC				A19J367
20	0D02023-ICV4	Water	QC	QC				A20B354
21	0D02023-ICV5	Water	QC	QC				A20B130

Comments:

Data Entered By: *[Signature]* 4/3/20

Data Reviewed By: *[Signature]* 4/6/20

Calibration Status Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

A0D0303
[Signature]
4/3/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	I:\DATA\0D02023\ECD1R006.D
2	2	25	0	I:\DATA\0D02023\ECD1R007.D
3	3	50	0	I:\DATA\0D02023\ECD1R008.D
4	4	100	0	I:\DATA\0D02023\ECD1R009.D
5	5	250	0	I:\DATA\0D02023\ECD1R021.D
6	6	500	0	I:\DATA\0D02023\ECD1R011.D
7	7	800	0	I:\DATA\0D02023\ECD1R012.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 02 13:51 2020	Apr 02 10:56 2020	02 Apr 2020 8:43
2	2	Apr 02 13:52 2020	Apr 02 10:57 2020	02 Apr 2020 9:01
3	3	Apr 02 13:52 2020	Apr 02 10:57 2020	02 Apr 2020 9:19
4	4	Apr 02 13:52 2020	Apr 02 10:58 2020	02 Apr 2020 9:38
5	5	Apr 02 13:54 2020	Apr 02 13:51 2020	02 Apr 2020 13:17
6	6	Apr 02 13:52 2020	Apr 02 11:00 2020	02 Apr 2020 10:14
7	7	Apr 02 13:52 2020	Apr 02 11:00 2020	02 Apr 2020 10:32

RECD1_QUANTPCB_200402.M Fri Apr 03 12:04:24 2020

Response Factor Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD1R006.D 2 =ECD1R007.D 3 =ECD1R008.D
 4 =ECD1R009.D 5 =ECD1R021.D 6 =ECD1R011.D

[Handwritten signature]
 4/3/20

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	5.427	5.480	5.446	5.189	4.497	4.847	5.111	E4 7.36
2) Aroclor 1016 ...	1.920	1.773	1.649	1.539	1.400	1.393	1.578	E3 13.46 ✓
3) Aroclor 1016 ...	3.182	2.921	2.912	2.844	2.757	2.629	2.849	E3 6.40 ✓
4) Aroclor 1016 ...	1.526	1.450	1.395	1.371	1.278	1.220	1.357	E3 8.15 ✓
5) Aroclor 1016 ...	1.623	1.539	1.403	1.316	1.230	1.181	1.351	E3 13.22 ✓
6) Aroclor 1016 ...	1.757	1.685	1.534	1.453	1.374	1.331	1.490	E3 11.88 ✓
7) Aroclor 1016 (6)	1.760	1.667	1.519	1.465	1.396	1.374	1.502	E3 10.62 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					3.945		3.945	E2 0.00
10) Aroclor 1221 (2)					3.901		3.901	E2 0.00
11) Aroclor 1221 (3)					1.280		1.280	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					1.024		1.024	E3 0.00
14) Aroclor 1232 (2)					6.201		6.201	E2 0.00
15) Aroclor 1232 (3)					1.140		1.140	E3 0.00
16) Aroclor 1232 (4)					5.388		5.388	E2 0.00
17) Aroclor 1232 (5)					4.315		4.315	E2 0.00
18) Aroclor 1232 (6)					5.236		5.236	E2 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					1.164		1.164	E3 0.00
21) Aroclor 1242 ...					2.084		2.084	E3 0.00
22) Aroclor 1242 ...					9.822		9.822	E2 0.00
23) Aroclor 1242 ...					9.123		9.123	E2 0.00
24) Aroclor 1242 ...					1.063		1.063	E3 0.00
25) Aroclor 1242 (6)					1.081		1.081	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					1.278		1.278	E3 0.00
28) Aroclor 1248 ...					1.640		1.640	E3 0.00
29) Aroclor 1248 ...					1.558		1.558	E3 0.00
30) Aroclor 1248 ...					1.860		1.860	E3 0.00
31) Aroclor 1248 ...					2.373		2.373	E3 0.00
32) Aroclor 1248 (6)					1.996		1.996	E3 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					2.350		2.350	E3 0.00
35) Aroclor 1254 ...					3.554		3.554	E3 0.00
36) Aroclor 1254 ...					3.800		3.800	E3 0.00
37) Aroclor 1254 ...					2.838		2.838	E3 0.00
38) Aroclor 1254 ...					2.936		2.936	E3 0.00
39) Aroclor 1254 (6)					8.331		8.331	E2 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	3.237	3.087	2.990	2.764	2.789	2.705	2.895	E3 7.29 ✓
42) Aroclor 1260 ...	3.859	3.732	3.525	3.542	3.411	3.304	3.520	E3 6.16 ✓
43) Aroclor 1260 (3)	3.896	3.846	3.545	3.602	3.615	3.434	3.644	E3 4.57 ✓
44) Aroclor 1260 (4)	5.239	5.347	5.366	5.325	5.183	5.140	5.250	E3 1.82 ✓
45) Aroclor 1260 (5)	3.167	3.171	3.040	3.071	3.138	3.046	3.093	E3 2.07 ✓
46) Aroclor 1260 (6)	1.290	1.260	1.192	1.185	1.243	1.126	1.209	E3 4.77 ✓
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					2.728		2.728	E3 0.00
49) Aroclor 1262 (2)					3.753		3.753	E3 0.00
50) Aroclor 1262 (3)					2.721		2.721	E3 0.00
51) Aroclor 1262 (4)					5.851		5.851	E3 0.00
52) Aroclor 1262 (5)					3.530		3.530	E3 0.00
53) Aroclor 1262 (6)					1.601		1.601	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					1.617		1.617	E3 0.00
56) Aroclor 1268 (2)					6.707		6.707	E3 0.00
57) Aroclor 1268 (3)					5.453		5.453	E3 0.00
58) Aroclor 1268 (4)					4.758		4.758	E3 0.00
59) Aroclor 1268 (5)					1.941		1.941	E3 0.00
60) Aroclor 1268 (6)					1.199		1.199	E4 0.00

Response Factor Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD1R006.D 2 =ECD1R007.D 3 =ECD1R008.D
 4 =ECD1R009.D 5 =ECD1R021.D 6 =ECD1R011.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	2.695	2.734	2.630	2.524	2.368	2.521	2.579 E4	4.78 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

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 4/3/20

Total Cpnds : 62

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.933	1.000	A	H	L
2	Aroclor 1016 (1)	6.605	1.000	A	H	R
3	Aroclor 1016 (2)	7.095	1.000	A	H	R
4	Aroclor 1016 (3)	7.223	1.000	A	H	R
5	Aroclor 1016 (4)	7.309	1.000	A	H	R
6	Aroclor 1016 (5)	7.355	1.000	A	H	R
7	Aroclor 1016 (6)	7.482	1.000	A	H	R
8	Aroclor 1016 - AVE	3.014	1.000	A	H	R
9	Aroclor 1221 (1)	6.111	1.000	A	H	R
10	Aroclor 1221 (2)	6.183	1.000	A	H	R
11	Aroclor 1221 (3)	6.270	1.000	A	H	R
12	Aroclor 1221 - AVE	3.014	1.000	A	H	R
13	Aroclor 1232 (1)	6.269	1.000	A	H	R
14	Aroclor 1232 (2)	6.606	1.000	A	H	R
15	Aroclor 1232 (3)	7.096	1.000	A	H	R
16	Aroclor 1232 (4)	7.225	1.000	A	H	R
17	Aroclor 1232 (5)	7.311	1.000	A	H	R
18	Aroclor 1232 (6)	7.483	1.000	A	H	R
19	Aroclor 1232 - AVE	3.014	1.000	A	H	R
20	Aroclor 1242 (1)	6.606	1.000	A	H	R
21	Aroclor 1242 (2)	7.097	1.000	A	H	R
22	Aroclor 1242 (3)	7.225	1.000	A	H	R
23	Aroclor 1242 (4)	7.311	1.000	A	H	R
24	Aroclor 1242 (5)	7.357	1.000	A	H	R
25	Aroclor 1242 (6)	7.483	1.000	A	H	R
26	Aroclor 1242 - AVE	3.014	1.000	A	H	R
27	Aroclor 1248 (1)	7.065	1.000	A	H	R
28	Aroclor 1248 (2)	7.308	1.000	A	H	R
29	Aroclor 1248 (3)	7.354	1.000	A	H	R
30	Aroclor 1248 (4)	7.481	1.000	A	H	R
31	Aroclor 1248 (5)	7.845	1.000	A	H	R
32	Aroclor 1248 (6)	8.005	1.000	A	H	R
33	Aroclor 1248 - AVE	3.014	1.000	A	H	R
34	Aroclor 1254 (1)	7.829	1.000	A	H	R
35	Aroclor 1254 (2)	8.010	1.000	A	H	R
36	Aroclor 1254 (3)	8.322	1.000	A	H	R
37	Aroclor 1254 (4)	8.560	1.000	A	H	R
38	Aroclor 1254 (5)	8.898	1.000	A	H	R
39	Aroclor 1254 (6)	9.139	1.000	A	H	R
40	Aroclor 1254 - AVE	3.014	1.000	A	H	R
41	Aroclor 1260 (1)	8.456	1.000	A	H	R
42	Aroclor 1260 (2)	8.662	1.000	A	H	R
43	Aroclor 1260 (3)	8.896	1.000	A	H	R
44	Aroclor 1260 (4)	9.417	1.000	A	H	R
45	Aroclor 1260 (5)	9.709	1.000	A	H	R
46	Aroclor 1260 (6)	10.346	1.000	A	H	R
47	Aroclor 1260 - AVE	3.014	1.000	A	H	R
48	Aroclor 1262 (1)	8.662	1.000	A	H	R
49	Aroclor 1262 (2)	8.967	1.000	A	H	R
50	Aroclor 1262 (3)	9.157	1.000	A	H	R
51	Aroclor 1262 (4)	9.418	1.000	A	H	R
52	Aroclor 1262 (5)	9.711	1.000	A	H	R
53	Aroclor 1262 (6)	10.346	1.000	A	H	R
54	Aroclor 1262 - AVE	3.025	1.000	A	H	R
55	Aroclor 1268 (1)	9.711	1.000	A	H	R
56	Aroclor 1268 (2)	9.711	1.000	A	H	R

57	Aroclor 1268 (3)	9.784	1.000	A	H	R
58	Aroclor 1268 (4)	10.028	1.000	A	H	R
59	Aroclor 1268 (5)	10.345	1.000	A	H	R
60	Aroclor 1268 (6)	10.747	1.000	A	H	R
61	Aroclor 1268 - AVE	3.014	1.000	A	H	R
62	S DCBP (S)	11.106	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

RECD1_QUANTPCB_200402.M Fri Apr 03 12:04:15 2020

Element Calibration Review Sheet

Calibration ID: **A0D0303**

Instrument: **DUALECD1R**

Calibration Date:

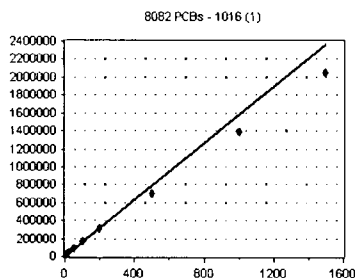
04/03/2020

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD1_QUANTPCB_20040**

1016 (1)

Curve Fit: **AVERAGE RF**

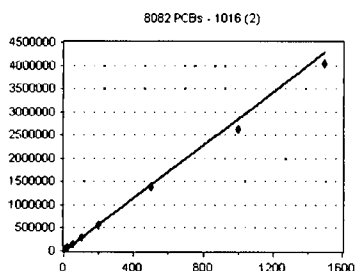


Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	38394	1919.700	6.60
0D02023-CAL2	50	88638	1772.760	6.60
0D02023-CAL3	100	164891	1648.910	6.60
0D02023-CAL4	200	307827	1539.135	6.61
0D02023-CAL5	500	699829	1399.658	6.61
0D02023-CAL6	1000	1393349	1393.349	6.61
0D02023-CAL7	1500	2054689	1369.793	6.61

AVE RF 1577.615 RF RSD 13.46 AVE RT 6.60

1016 (2)

Curve Fit: **AVERAGE RF**

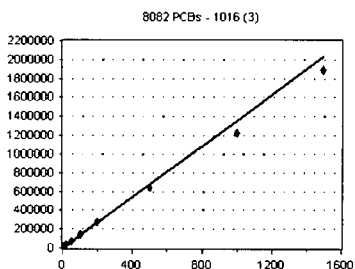


Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	63645	3182.250	7.09
0D02023-CAL2	50	146041	2920.820	7.09
0D02023-CAL3	100	291234	2912.340	7.09
0D02023-CAL4	200	568867	2844.335	7.10
0D02023-CAL5	500	1378528	2757.056	7.10
0D02023-CAL6	1000	2628708	2628.708	7.10
0D02023-CAL7	1500	4048145	2698.763	7.10

AVE RF 2849.182 RF RSD 6.40 AVE RT 7.09

1016 (3)

Curve Fit: **AVERAGE RF**

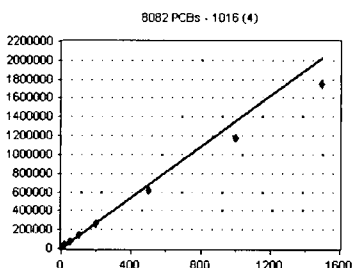


Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	30520	1526.000	7.22
0D02023-CAL2	50	72511	1450.220	7.22
0D02023-CAL3	100	139461	1394.610	7.22
0D02023-CAL4	200	274122	1370.610	7.22
0D02023-CAL5	500	639140	1278.280	7.22
0D02023-CAL6	1000	1220250	1220.250	7.22
0D02023-CAL7	1500	1888507	1259.005	7.22

AVE RF 1356.996 RF RSD 8.15 AVE RT 7.22

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	32451	1622.550	7.31
0D02023-CAL2	50	76926	1538.520	7.31
0D02023-CAL3	100	140274	1402.740	7.31
0D02023-CAL4	200	263273	1316.365	7.31
0D02023-CAL5	500	614993	1229.986	7.31
0D02023-CAL6	1000	1181398	1181.398	7.31
0D02023-CAL7	1500	1745590	1163.727	7.31

AVE RF 1350.755 RF RSD 13.22 AVE RT 7.31

Element Calibration Review Sheet

Calibration ID: **A0D0303**

Instrument: **DUALECD1R**

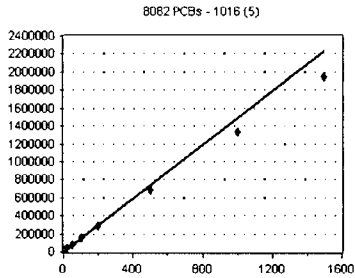
Calibration Date: **04/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD1_QUANTPCB_20040**

1016 (5)

Curve Fit: **AVERAGE RF**

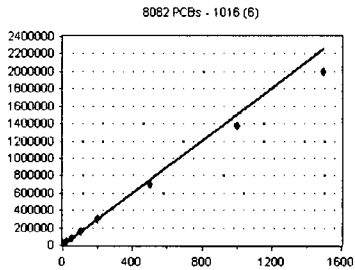


Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	35143	1757.150	7.35
0D02023-CAL2	50	84229	1684.580	7.35
0D02023-CAL3	100	153389	1533.890	7.35
0D02023-CAL4	200	290536	1452.680	7.36
0D02023-CAL5	500	686901	1373.802	7.36
0D02023-CAL6	1000	1330520	1330.520	7.36
0D02023-CAL7	1500	1947956	1298.637	7.36

AVE RF 1490.180 **RF RSD** 11.88 **AVE RT** 7.35

1016 (6)

Curve Fit: **AVERAGE RF**

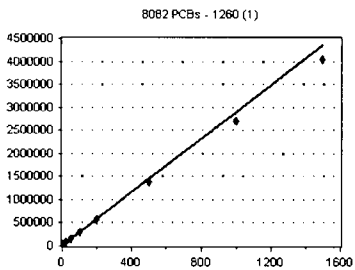


Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	35201	1760.050	7.48
0D02023-CAL2	50	83347	1666.940	7.48
0D02023-CAL3	100	151938	1519.380	7.48
0D02023-CAL4	200	292991	1464.955	7.48
0D02023-CAL5	500	698015	1396.030	7.48
0D02023-CAL6	1000	1373608	1373.608	7.48
0D02023-CAL7	1500	1995444	1330.296	7.48

AVE RF 1501.608 **RF RSD** 10.62 **AVE RT** 7.48

1260 (1)

Curve Fit: **AVERAGE RF**

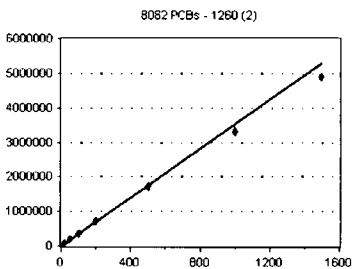


Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	64747	3237.350	8.45
0D02023-CAL2	50	154333	3086.660	8.46
0D02023-CAL3	100	298969	2989.690	8.45
0D02023-CAL4	200	552768	2763.840	8.46
0D02023-CAL5	500	1394376	2788.752	8.46
0D02023-CAL6	1000	2704807	2704.807	8.46
0D02023-CAL7	1500	4043160	2695.440	8.46

AVE RF 2895.220 **RF RSD** 7.29 **AVE RT** 8.46

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D02023-CAL1	20	77173	3858.650	8.66
0D02023-CAL2	50	186600	3732.000	8.66
0D02023-CAL3	100	352515	3525.150	8.66
0D02023-CAL4	200	708323	3541.615	8.66
0D02023-CAL5	500	1705400	3410.800	8.66
0D02023-CAL6	1000	3304150	3304.150	8.66
0D02023-CAL7	1500	4903294	3268.863	8.66

AVE RF 3520.175 **RF RSD** 6.16 **AVE RT** 8.66

Element Calibration Review Sheet

Calibration ID: **A0D0303**

Instrument: **DUALECD1R**

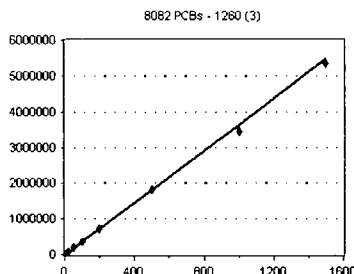
Calibration Date: **04/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD1_QUANTPCB_20040**

1260 (3)

Curve Fit: **AVERAGE RF**

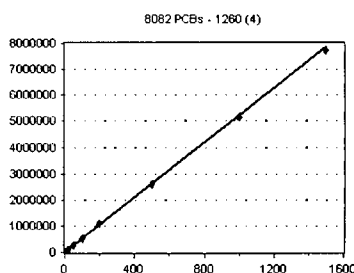


Standard	Concentration	Response	Response Factor	RT
OD02023-CAL1	20	77929	3896.450	8.89
OD02023-CAL2	50	192294	3845.880	8.90
OD02023-CAL3	100	354466	3544.660	8.89
OD02023-CAL4	200	720487	3602.435	8.90
OD02023-CAL5	500	1807413	3614.826	8.90
OD02023-CAL6	1000	3434385	3434.385	8.90
OD02023-CAL7	1500	5356997	3571.331	8.90

AVE RF 3644.281 **RF RSD** 4.57 **AVE RT** 8.90

1260 (4)

Curve Fit: **AVERAGE RF**

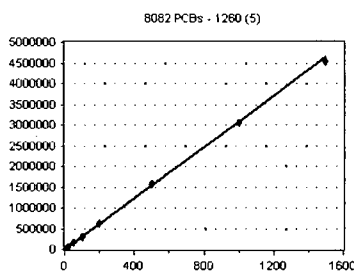


Standard	Concentration	Response	Response Factor	RT
OD02023-CAL1	20	104771	5238.550	9.42
OD02023-CAL2	50	267350	5347.000	9.42
OD02023-CAL3	100	536623	5366.230	9.42
OD02023-CAL4	200	1064998	5324.990	9.42
OD02023-CAL5	500	2591435	5182.870	9.42
OD02023-CAL6	1000	5140456	5140.456	9.42
OD02023-CAL7	1500	7729009	5152.673	9.42

AVE RF 5250.396 **RF RSD** 1.82 **AVE RT** 9.42

1260 (5)

Curve Fit: **AVERAGE RF**

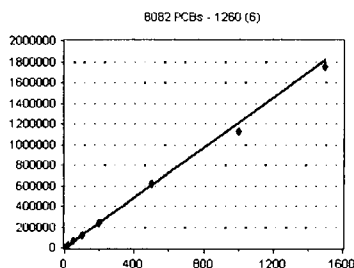


Standard	Concentration	Response	Response Factor	RT
OD02023-CAL1	20	63341	3167.050	9.71
OD02023-CAL2	50	158537	3170.740	9.71
OD02023-CAL3	100	304020	3040.200	9.71
OD02023-CAL4	200	614239	3071.195	9.71
OD02023-CAL5	500	1568868	3137.736	9.71
OD02023-CAL6	1000	3045730	3045.730	9.71
OD02023-CAL7	1500	4528359	3018.906	9.71

AVE RF 3093.080 **RF RSD** 2.07 **AVE RT** 9.71

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD02023-CAL1	20	25791	1289.550	10.34
OD02023-CAL2	50	62996	1259.920	10.34
OD02023-CAL3	100	119168	1191.680	10.34
OD02023-CAL4	200	236999	1184.995	10.35
OD02023-CAL5	500	621301	1242.602	10.35
OD02023-CAL6	1000	1125838	1125.838	10.35
OD02023-CAL7	1500	1747673	1165.115	10.35

AVE RF 1208.529 **RF RSD** 4.77 **AVE RT** 10.34

Element Calibration Review Sheet

Calibration ID: **A0D0303**

Instrument: **DUALECD1R**

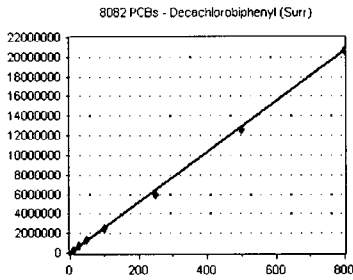
Calibration Date: **04/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD1_QUANTPCB_20040**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0D02023-CAL1	10	269543	26954.300	11.11
0D02023-CAL2	25	683403	27336.120	11.11
0D02023-CAL3	50	1314930	26298.600	11.10
0D02023-CAL4	100	2523773	25237.730	11.11
0D02023-CAL5	250	5919462	23677.850	11.11
0D02023-CAL6	500	260476E+07	25209.520	11.11
0D02023-CAL7	800	066116E+07	25826.450	11.11

AVE RF **25791.510** RF RSD **4.78** AVE RT **11.11**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D02023

Analysis Included

1311/8082 TCLP PCBs
 608 PCBs
 608 PCBs - LL (1000/1mL) +1262/68
 8082 PCBs
 8082 PCBs - Low Level (2mL FV)
 8082 PCBs - Low Level (2mL FV) +1262/68
 8082 PCBs - Low Level (1000/1mL)
 8082 PCBs - Low Level (1000/1mL) (Diss)
 8082 PCBs - Low Level (1000/1mL) +1262/68
 8082 PCBs - Low Level (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0D02023-ICB1	Initial Cal Blank	Water	A20C404		4/2/2020 8:25:00AM
0D02023-CAL1	Cal Standard	Water	A19L280	"	4/2/2020 8:43:00AM
0D02023-CAL2	Cal Standard	Water	A19L281	"	4/2/2020 9:01:00AM
0D02023-CAL3	Cal Standard	Water	A19L282	"	4/2/2020 9:19:00AM
0D02023-CAL4	Cal Standard	Water	A19L283	"	4/2/2020 9:38:00AM
0D02023-CAL5	Cal Standard	Water	A19L276	"	4/2/2020 9:56:00AM
0D02023-CAL6	Cal Standard	Water	A19L278	"	4/2/2020 10:14:00AM
0D02023-CAL7	Cal Standard	Water	A19L279	"	4/2/2020 10:32:00AM
0D02023-ICV1	Initial Cal Check	Water	A20B355	"	4/2/2020 11:09:00AM
0D02023-CAL8	Cal Standard	Water	A20C117	"	4/2/2020 11:27:00AM
0D02023-CAL9	Cal Standard	Water	A20B322	"	4/2/2020 11:46:00AM
0D02023-CALA	Cal Standard	Water	A20B323	"	4/2/2020 12:04:00PM
0D02023-CALB	Cal Standard	Water	A20B324	"	4/2/2020 12:22:00PM
0D02023-CALC	Cal Standard	Water	A20B325	"	4/2/2020 12:40:00PM
0D02023-CALD	Cal Standard	Water	A20B326	"	4/2/2020 12:59:00PM
0D02023-CALE	Cal Standard	Water	A20B327	"	4/2/2020 1:17:00PM
0D02023-ICV2	Initial Cal Check	Water	A20B353	"	4/2/2020 1:35:00PM
0D02023-ICV3	Initial Cal Check	Water	A19J367	"	4/2/2020 1:53:00PM
0D02023-ICV4	Initial Cal Check	Water	A20B354	"	4/2/2020 2:12:00PM
0D02023-ICV5	Initial Cal Check	Water	A20B130	"	4/2/2020 2:30:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: A0D0303 Instrument: DUALECD1R

1311/8082 TCLP PCBs Sequence: 0D02023 Matrix: Water

0D02023-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
0D02023-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D02023

Aroclor 1260	0.0000	0.00	50.0	0	
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
0D02023-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
0D02023-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
0D02023-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
0D02023-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1000	0	
Aroclor 1260	800.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
0D02023-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1500	0	
Aroclor 1260	800.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
0D02023-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1221	0.0000	0.00	500	0	
Aroclor 1221	0.0000	0.00	500	0	
0D02023-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1232	0.0000	0.00	500	0	
Aroclor 1232	0.0000	0.00	500	0	
0D02023-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1242	0.0000	0.00	500	0	
Aroclor 1242	0.0000	0.00	500	0	
0D02023-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1248	0.0000	0.00	500	0	
Aroclor 1248	0.0000	0.00	500	0	
0D02023-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D02023

0D02023-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
Aroclor 1262	0.0000	0.00	500	0	
0D02023-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1268	0.0000	0.00	500	0	
Aroclor 1268	0.0000	0.00	500	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

Analytes With Quadratic Curve Fits

<u>Qualifier</u>	<u>iMDL</u>	<u>iMRL</u>	<u>Spike Amt</u>	<u>%Difference</u>	<u>OK?</u>	<u>Raise MRL to ?</u>
				_____	<input type="checkbox"/>	<input type="checkbox"/> _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D0303** Instrument: **DUALECD1R**

8082 PCBs Sequence: **0D02023** Matrix: **Water**

0D02023-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.					

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 8:25
 Operator : MJB / KAK
 Sample : 0D02023-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:41:25 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.930	4910903	96.086 ng/ml
62) S DCBP (S)	11.105	2255908	87.467 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.570	851	0.539 ng/ml
3) Aroclor 1016 (2)	7.084	2131	0.748 ng/ml
4) Aroclor 1016 (3)	7.227	1050	0.774 ng/ml
5) Aroclor 1016 (4)	7.301	700	0.518 ng/ml
6) Aroclor 1016 (5)	7.357	687	0.461 ng/ml
7) Aroclor 1016 (6)	7.494	959	0.638 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.137	968	2.454 ng/ml
10) Aroclor 1221 (2)	6.164	753	1.929 ng/ml
11) Aroclor 1221 (3)	6.266	15628	12.209 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.266	15628	15.263 ng/ml
14) Aroclor 1232 (2)	6.570	851	1.372 ng/ml
15) Aroclor 1232 (3)	7.084	2131	1.869 ng/ml
16) Aroclor 1232 (4)	7.227	1050	1.949 ng/ml
17) Aroclor 1232 (5)	7.319	708	1.641 ng/ml
18) Aroclor 1232 (6)	7.494	959	1.831 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.570	851	0.731 ng/ml
21) Aroclor 1242 (2)	7.084	2131	1.023 ng/ml
22) Aroclor 1242 (3)	7.227	1050	1.069 ng/ml
23) Aroclor 1242 (4)	7.319	708	0.776 ng/ml
24) Aroclor 1242 (5)	7.357	687	0.646 ng/ml
25) Aroclor 1242 (6)	7.494	959	0.887 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.084	2131	1.667 ng/ml
28) Aroclor 1248 (2)	7.301	700	0.427 ng/ml
29) Aroclor 1248 (3)	7.357	687	0.441 ng/ml
30) Aroclor 1248 (4)	7.494	959	0.516 ng/ml
31) Aroclor 1248 (5)	7.858	2064	0.870 ng/ml
32) Aroclor 1248 (6)	8.011	2332	1.168 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.831	1805	0.768 ng/ml
35) Aroclor 1254 (2)	8.011	2332	0.656 ng/ml
36) Aroclor 1254 (3)	8.280f	1039	0.273 ng/ml
37) Aroclor 1254 (4)	8.564	39881	14.052 ng/ml
38) Aroclor 1254 (5)	8.868	3203	1.091 ng/ml
39) Aroclor 1254 (6)	9.142	7029	8.437 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.400f	1874	0.647 ng/ml
42) Aroclor 1260 (2)	8.678	3131	0.890 ng/ml
43) Aroclor 1260 (3)	8.868	3203	0.879 ng/ml
44) Aroclor 1260 (4)	9.418	958	0.182 ng/ml

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 8:25
 Operator : MJB / KAK
 Sample : 0D02023-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:41:25 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.715	1708	0.552 ng/ml
46)	Aroclor 1260 (6)	10.343	1299	1.075 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.678	3131	1.148 ng/ml
49)	Aroclor 1262 (2)	8.965	493	0.131 ng/ml
50)	Aroclor 1262 (3)	9.142	7029	2.583 ng/ml
51)	Aroclor 1262 (4)	9.418	958	0.164 ng/ml
52)	Aroclor 1262 (5)	9.715	1708	0.484 ng/ml
53)	Aroclor 1262 (6)	10.343	1299	0.812 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.203	1057	0.654 ng/ml
56)	Aroclor 1268 (2)	9.715	1708	0.255 ng/ml
57)	Aroclor 1268 (3)	9.787	1326	0.243 ng/ml
58)	Aroclor 1268 (4)	10.026	46346	9.741 ng/ml
59)	Aroclor 1268 (5)	10.343	1299	0.669 ng/ml
60)	Aroclor 1268 (6)	10.744	86697	7.232 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

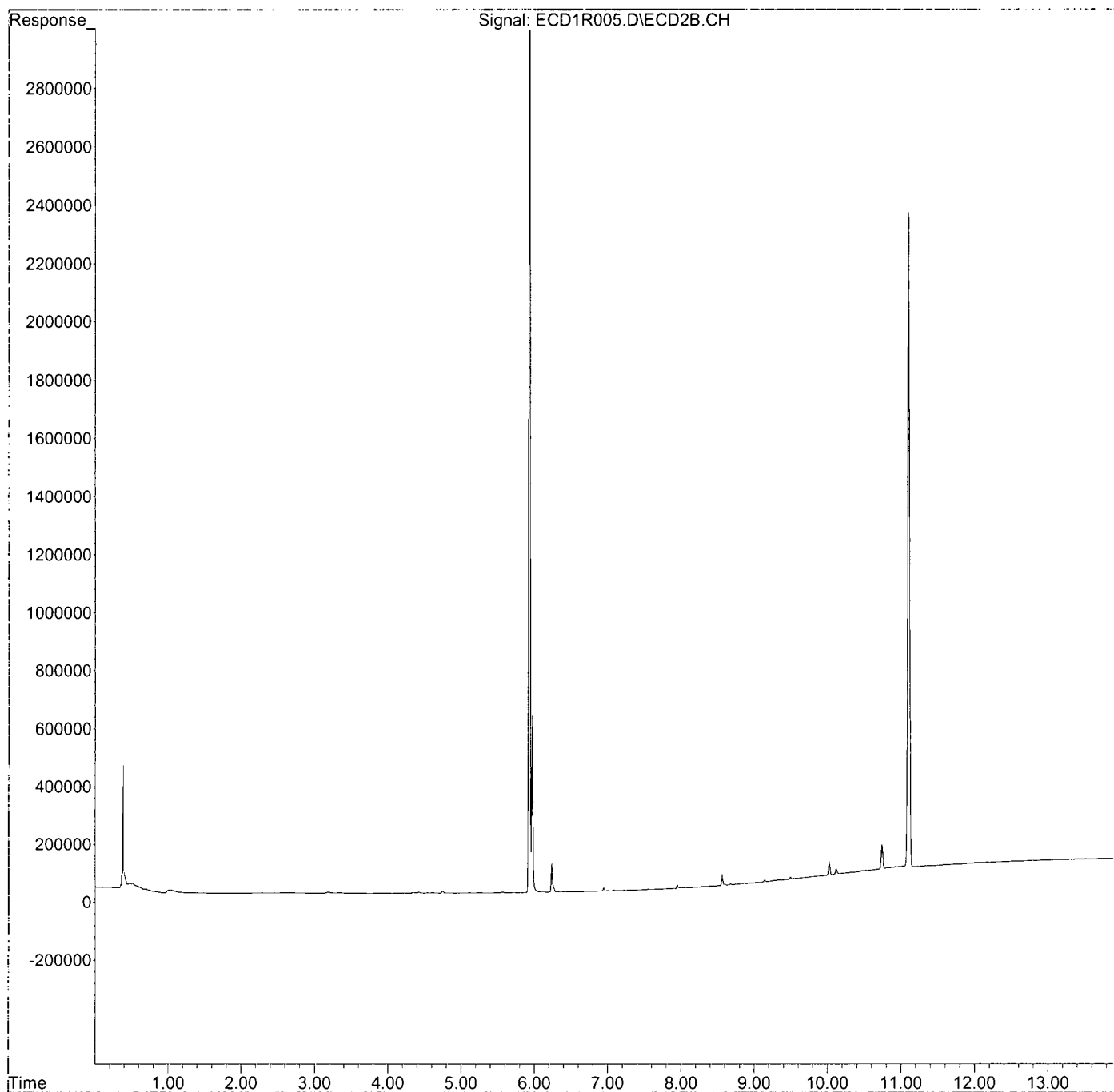
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R005.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 8:25
Operator : MJB / KAK
Sample : 0D02023-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 03 11:41:25 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0D02023\
 Data File : ECD1R013.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:51
 Operator : MJB / KAK
 Sample : 0D02023-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:41:43 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/3/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.869f	4575	0.090 ng/ml
62) S DCBP (S)	11.109	14278	0.554 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.572	1577	0.999 ng/ml
3) Aroclor 1016 (2)	7.090	3889	1.365 ng/ml
4) Aroclor 1016 (3)	7.240	1124	0.828 ng/ml
5) Aroclor 1016 (4)	7.302	1013	0.750 ng/ml
6) Aroclor 1016 (5)	7.359	868	0.582 ng/ml
7) Aroclor 1016 (6)	7.493	1223	0.814 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.140	843	2.136 ng/ml
10) Aroclor 1221 (2)	6.211	2054	5.265 ng/ml
11) Aroclor 1221 (3)	6.262	804	0.628 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.262	804	0.786 ng/ml
14) Aroclor 1232 (2)	6.572	1577	2.543 ng/ml
15) Aroclor 1232 (3)	7.090	3889	3.410 ng/ml
16) Aroclor 1232 (4)	7.240	1124	2.085 ng/ml
17) Aroclor 1232 (5)	7.302	1013	2.348 ng/ml
18) Aroclor 1232 (6)	7.493	1223	2.336 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.572	1577	1.354 ng/ml
21) Aroclor 1242 (2)	7.090	3889	1.866 ng/ml
22) Aroclor 1242 (3)	7.240	1124	1.144 ng/ml
23) Aroclor 1242 (4)	7.302	1013	1.111 ng/ml
24) Aroclor 1242 (5)	7.359	868	0.816 ng/ml
25) Aroclor 1242 (6)	7.493	1223	1.132 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.090	3889	3.042 ng/ml
28) Aroclor 1248 (2)	7.302	1013	0.618 ng/ml
29) Aroclor 1248 (3)	7.359	868	0.557 ng/ml
30) Aroclor 1248 (4)	7.493	1223	0.658 ng/ml
31) Aroclor 1248 (5)	7.852	2421	1.020 ng/ml
32) Aroclor 1248 (6)	7.994	3603	1.805 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.819	2762	1.176 ng/ml
35) Aroclor 1254 (2)	8.017	947	0.266 ng/ml
36) Aroclor 1254 (3)	8.328	1422	0.374 ng/ml
37) Aroclor 1254 (4)	8.568	42173	14.860 ng/ml
38) Aroclor 1254 (5)	8.902	1370	0.467 ng/ml
39) Aroclor 1254 (6)	9.153	2581	3.098 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.460	2516	0.869 ng/ml
42) Aroclor 1260 (2)	8.681	3714	1.055 ng/ml
43) Aroclor 1260 (3)	8.902	1370	0.376 ng/ml
44) Aroclor 1260 (4)	9.423	2103	0.400 ng/ml

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R013.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:51
 Operator : MJB / KAK
 Sample : 0D02023-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:41:43 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.706	1579	0.511 ng/ml
46)	Aroclor 1260 (6)	10.330	1190	0.985 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.681	3714	1.361 ng/ml
49)	Aroclor 1262 (2)	8.968	928	0.247 ng/ml
50)	Aroclor 1262 (3)	9.153	2581	0.948 ng/ml
51)	Aroclor 1262 (4)	9.423	2103	0.359 ng/ml
52)	Aroclor 1262 (5)	9.706	1579	0.447 ng/ml
53)	Aroclor 1262 (6)	10.330	1190	0.743 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.190	684	0.423 ng/ml
56)	Aroclor 1268 (2)	9.706	1579	0.235 ng/ml
57)	Aroclor 1268 (3)	9.786	1760	0.323 ng/ml
58)	Aroclor 1268 (4)	10.034	1342	0.282 ng/ml
59)	Aroclor 1268 (5)	10.330	1190	0.613 ng/ml
60)	Aroclor 1268 (6)	10.739	5770	0.481 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

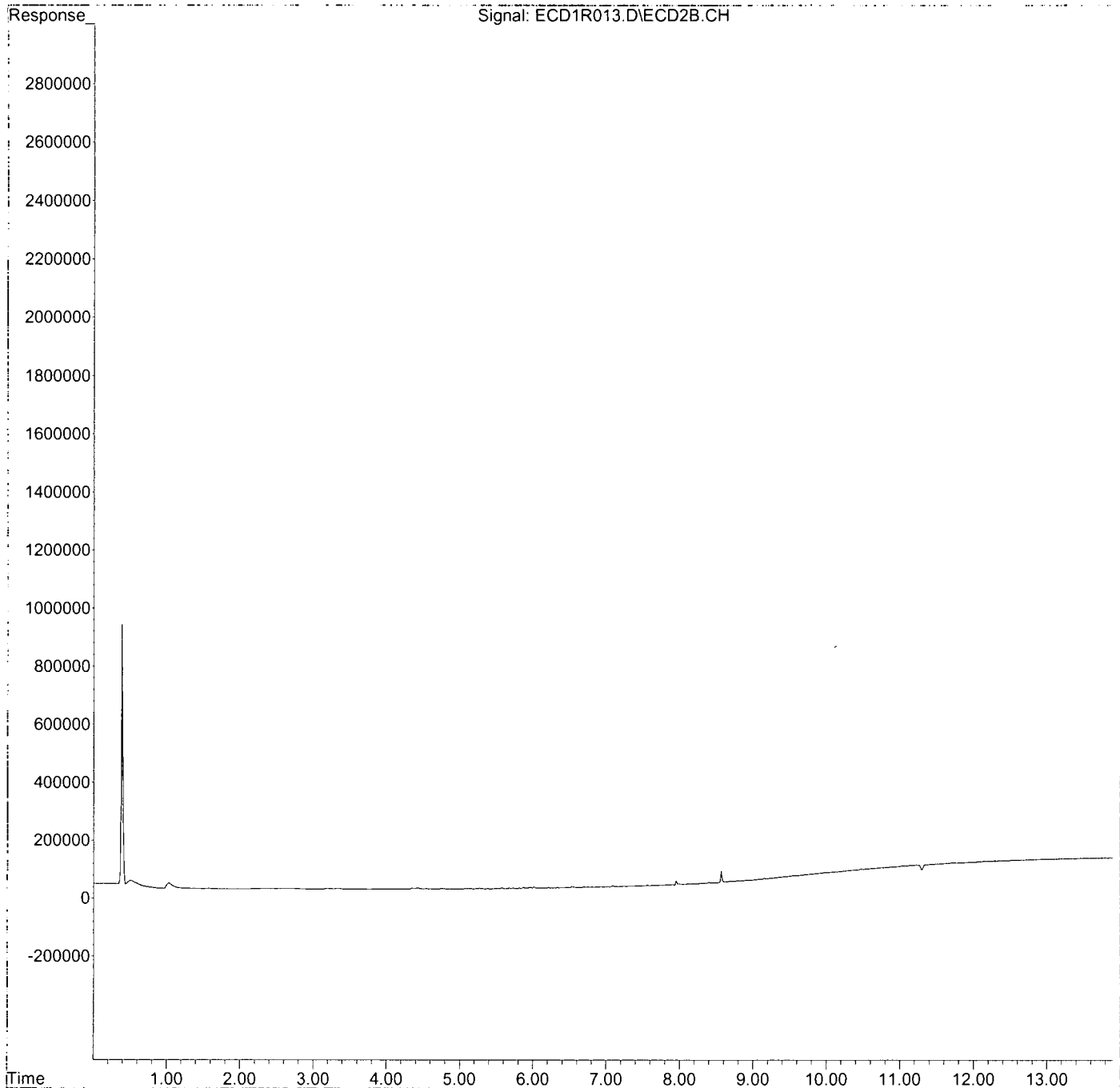
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R013.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 10:51
Operator : MJB / KAK
Sample : 0D02023-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 03 11:41:43 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R014.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 11:09
 Operator : MJB / KAK
 Sample : 0D02023-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:02 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

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1016, 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.933	9952663	194.732	ng/ml
62) S DCBP (S)	11.107	5290131	205.111	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.606	744884	472.158	ng/ml
3) Aroclor 1016 (2)	7.096	1381129	484.746	ng/ml
4) Aroclor 1016 (3)	7.224	636809	469.278	ng/ml
5) Aroclor 1016 (4)	7.310	606338	448.890	ng/ml
6) Aroclor 1016 (5)	7.356	672747	451.454	ng/ml
7) Aroclor 1016 (6)	7.482	679730	452.668	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.108	47846	121.284	ng/ml
10) Aroclor 1221 (2)	6.181	94298	241.726	ng/ml
11) Aroclor 1221 (3)	6.268	459999	359.361	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.268	459999	449.259	ng/ml
14) Aroclor 1232 (2)	6.606	744884	1201.305	ng/ml
15) Aroclor 1232 (3)	7.096	1381129	1211.149	ng/ml
16) Aroclor 1232 (4)	7.224	636809	1181.968	ng/ml
17) Aroclor 1232 (5)	7.310	606338	1405.285	ng/ml
18) Aroclor 1232 (6)	7.482	679730	1298.280	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.606	744884	639.851	ng/ml
21) Aroclor 1242 (2)	7.096	1381129	662.814	ng/ml
22) Aroclor 1242 (3)	7.224	636809	648.343	ng/ml
23) Aroclor 1242 (4)	7.310	606338	664.658	ng/ml
24) Aroclor 1242 (5)	7.356	672747	632.927	ng/ml
25) Aroclor 1242 (6)	7.482	679730	628.959	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.067	1127538	882.035	ng/ml
28) Aroclor 1248 (2)	7.310	606338	369.666	ng/ml
29) Aroclor 1248 (3)	7.356	672747	431.795	ng/ml
30) Aroclor 1248 (4)	7.482	679730	365.512	ng/ml
31) Aroclor 1248 (5)	7.826	581062	244.889	ng/ml
32) Aroclor 1248 (6)	8.006	634189	317.731	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.826	581062	247.291	ng/ml
35) Aroclor 1254 (2)	8.006	634189	178.433	ng/ml
36) Aroclor 1254 (3)	8.319	333586	87.777	ng/ml
37) Aroclor 1254 (4)	8.561	214960	75.742	ng/ml
38) Aroclor 1254 (5)	8.896	2028078	690.826	ng/ml
39) Aroclor 1254 (6)	9.125	214889	257.934	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	1538291	531.321	ng/ml
42) Aroclor 1260 (2)	8.661	1785212	507.137	ng/ml
43) Aroclor 1260 (3)	8.896	2028078	556.510	ng/ml
44) Aroclor 1260 (4)	9.417	2429960	462.815	ng/ml

Handwritten: 463.149

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Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R014.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 11:09
 Operator : MJB / KAK
 Sample : 0D02023-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:02 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.709	1407615	455.086	ng/ml
46) Aroclor 1260 (6)	10.346	438829	363.110	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	8.661	1785212	654.434	ng/ml
49) Aroclor 1262 (2)	8.965	1115365	297.229	ng/ml
50) Aroclor 1262 (3)	9.155	1112837	408.958	ng/ml
51) Aroclor 1262 (4)	9.417	2429960	415.302	ng/ml
52) Aroclor 1262 (5)	9.709	1407615	398.792	ng/ml
53) Aroclor 1262 (6)	10.346	438829	274.097	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	9.202	67934	42.005	ng/ml
56) Aroclor 1268 (2)	9.709	1407615	209.867	ng/ml
57) Aroclor 1268 (3)	9.782	460634	84.468	ng/ml
58) Aroclor 1268 (4)	10.029	57170	12.016	ng/ml
59) Aroclor 1268 (5)	10.346	438829	226.079	ng/ml
60) Aroclor 1268 (6)	10.746	133413	11.129	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

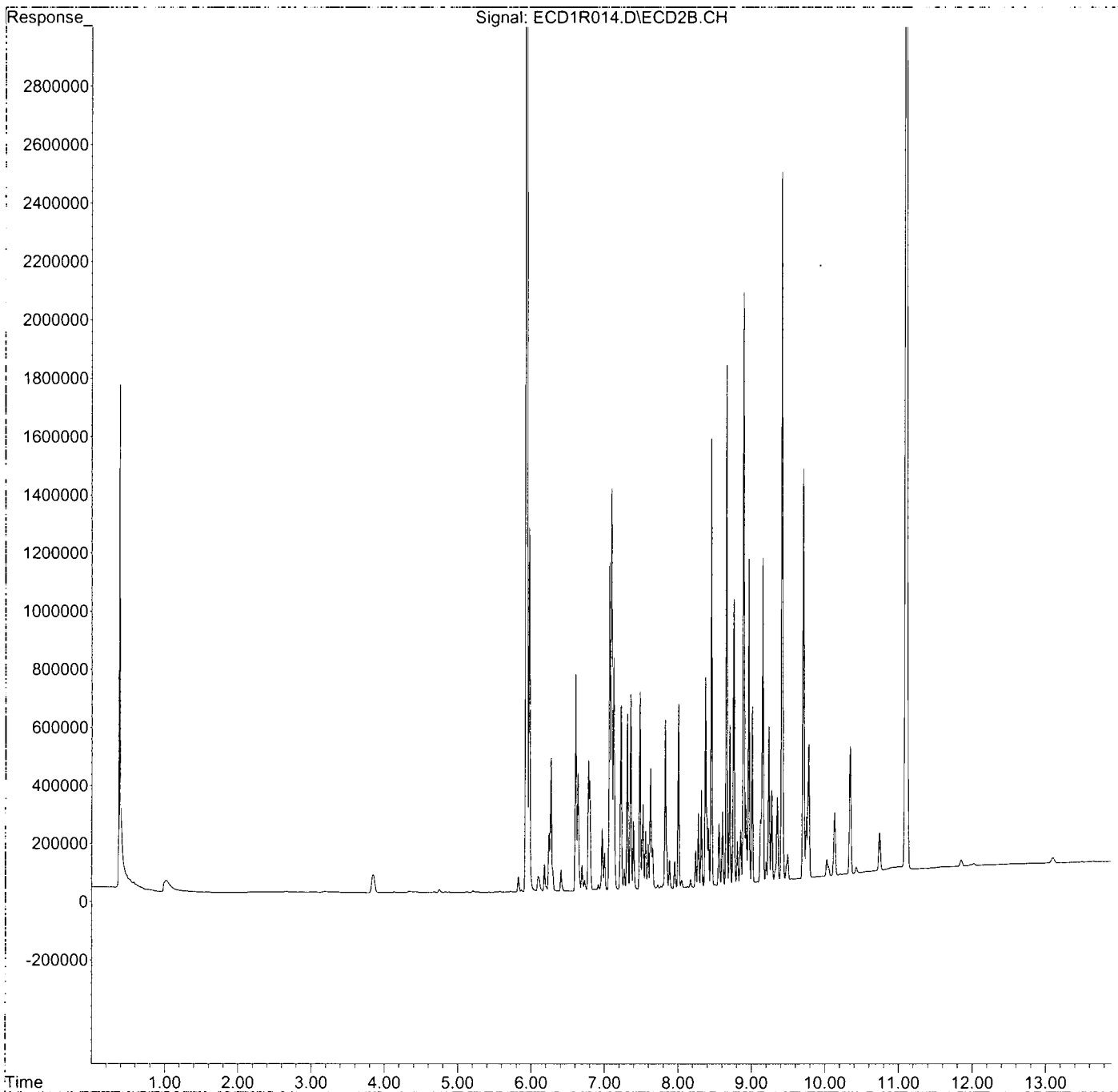
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R014.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 11:09
Operator : MJB / KAK
Sample : 0D02023-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 03 11:42:02 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R022.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 13:35
 Operator : MJB / KAK
 Sample : 0D02023-ICV2
 Misc : ~~XXXXXXXXXX~~
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:20 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

413120
1221, 1264

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.932	2117588	41.432	ng/ml
62) S DCBP (S)	11.103	2220719	86.103	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.604	138555	87.826	ng/ml
3) Aroclor 1016 (2)	7.094	215775	75.732	ng/ml
4) Aroclor 1016 (3)	7.222	98806	72.813	ng/ml
5) Aroclor 1016 (4)	7.307	722840	535.139	ng/ml
6) Aroclor 1016 (5)	7.353	257410	172.737	ng/ml
7) Aroclor 1016 (6)	7.480	446164	297.124	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.107	373907	947.812	ng/ml
10) Aroclor 1221 (2)	6.179	354426	908.549	ng/ml
11) Aroclor 1221 (3)	6.267	1234465	964.391	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.267	1234465	1205.645	ng/ml
14) Aroclor 1232 (2)	6.604	138555	223.454	ng/ml
15) Aroclor 1232 (3)	7.094	215775	189.219	ng/ml
16) Aroclor 1232 (4)	7.222	98806	183.393	ng/ml
17) Aroclor 1232 (5)	7.307	722840	1675.295	ng/ml
18) Aroclor 1232 (6)	7.480	446164	852.170	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.604	138555	119.018	ng/ml
21) Aroclor 1242 (2)	7.094	215775	103.552	ng/ml
22) Aroclor 1242 (3)	7.222	98806	100.596	ng/ml
23) Aroclor 1242 (4)	7.307	722840	792.365	ng/ml
24) Aroclor 1242 (5)	7.353	257410	242.174	ng/ml
25) Aroclor 1242 (6)	7.480	446164	412.839	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.065	176157	137.801	ng/ml
28) Aroclor 1248 (2)	7.307	722840	440.694	ng/ml
29) Aroclor 1248 (3)	7.353	257410	165.215	ng/ml
30) Aroclor 1248 (4)	7.480	446164	239.916	ng/ml
31) Aroclor 1248 (5)	7.844	727279	306.512	ng/ml
32) Aroclor 1248 (6)	8.005	1872823	938.291	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.824	1229052	523.066	ng/ml
35) Aroclor 1254 (2)	8.005	1872823	526.932	ng/ml
36) Aroclor 1254 (3)	8.318	1942864	511.228	ng/ml
37) Aroclor 1254 (4)	8.556	1432845	504.872	ng/ml
38) Aroclor 1254 (5)	8.893	1486846	506.465	ng/ml
39) Aroclor 1254 (6)	9.134	400874	481.175	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.455	716528	247.486	ng/ml
42) Aroclor 1260 (2)	8.659	882429	250.677	ng/ml
43) Aroclor 1260 (3)	8.893	1486846	407.994	ng/ml
44) Aroclor 1260 (4)	9.414	231169	44.029	ng/ml

940.251

506.956

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R022.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 13:35
 Operator : MJB / KAK
 Sample : 0D02023-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:20 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.705	172452	55.754	ng/ml
46)	Aroclor 1260 (6)	10.343	11430	9.458	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.659	882429	323.486	ng/ml
49)	Aroclor 1262 (2)	8.964	81985	21.848	ng/ml
50)	Aroclor 1262 (3)	9.134	400874	147.318	ng/ml
51)	Aroclor 1262 (4)	9.414	231169	39.509	ng/ml
52)	Aroclor 1262 (5)	9.705	172452	48.857	ng/ml
53)	Aroclor 1262 (6)	10.343	11430	7.139	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	9.202	7717	4.772	ng/ml
56)	Aroclor 1268 (2)	9.705	172452	25.711	ng/ml
57)	Aroclor 1268 (3)	9.778	12580	2.307	ng/ml
58)	Aroclor 1268 (4)	10.026	16710	3.512	ng/ml
59)	Aroclor 1268 (5)	10.343	11430	5.889	ng/ml
60)	Aroclor 1268 (6)	10.743	14118	1.178	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

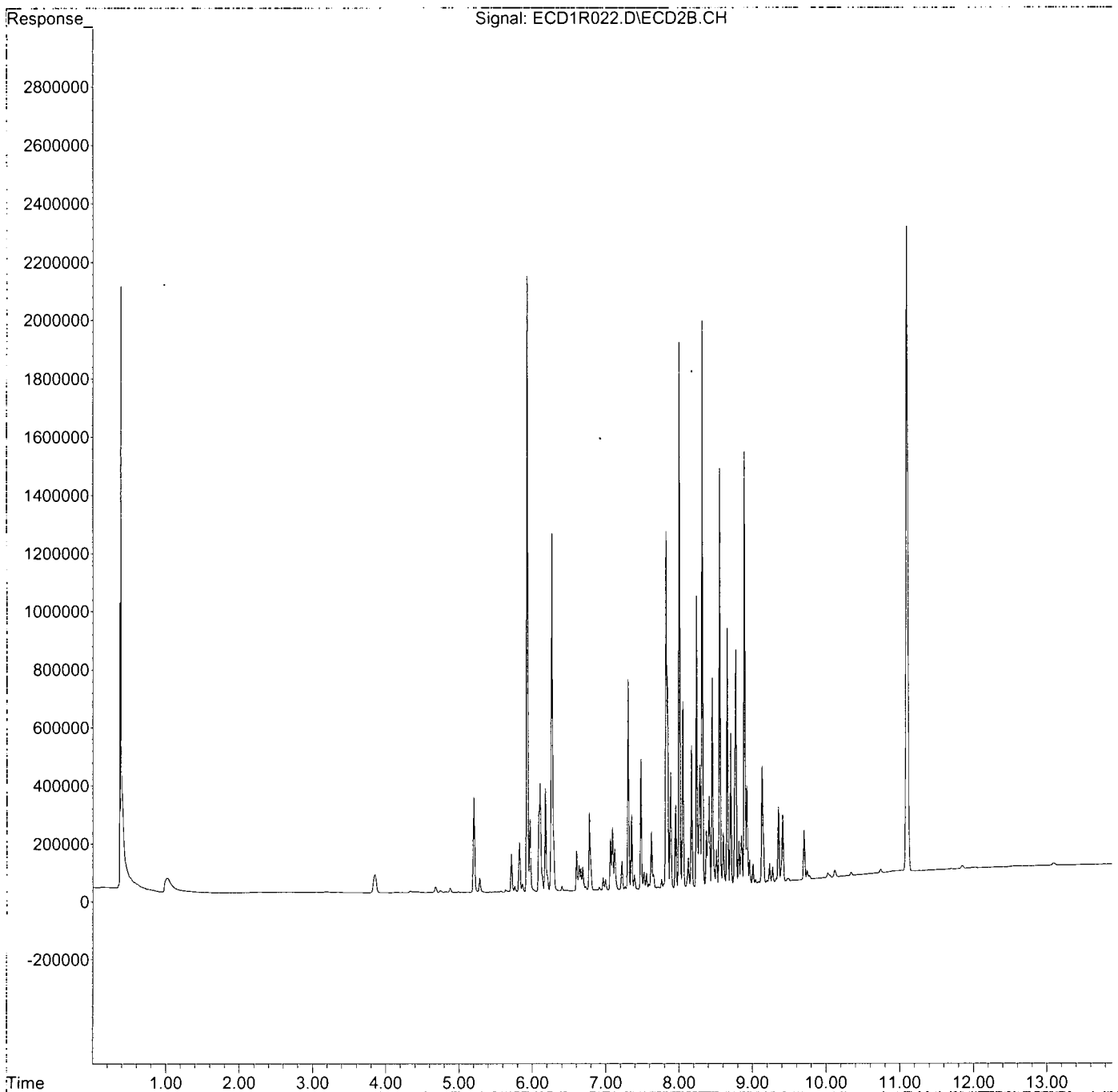
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R022.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 13:35
Operator : MJB / KAK
Sample : 0D02023-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 03 11:42:20 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R023.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 13:53
 Operator : MJB / KAK
 Sample : 0D02023-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:39 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/3/20
 1232, 1262

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.932	2183566	42.723 ng/ml
62) S DCBP (S)	11.106	2339317	90.701 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.605	355199	225.149 ng/ml
3) Aroclor 1016 (2)	7.094	658761	231.211 ng/ml
4) Aroclor 1016 (3)	7.223	301385	222.097 ng/ml
5) Aroclor 1016 (4)	7.308	262045	193.999 ng/ml
6) Aroclor 1016 (5)	7.354	294208	197.431 ng/ml
7) Aroclor 1016 (6)	7.481	295209	196.595 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.108	126746	321.288 ng/ml
10) Aroclor 1221 (2)	6.180	144379	370.107 ng/ml
11) Aroclor 1221 (3)	6.267	536636	419.232 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.267	536636	524.107 ng/ml
14) Aroclor 1232 (2)	6.605	355199	572.844 ng/ml
15) Aroclor 1232 (3)	7.094	658761	577.686 ng/ml
16) Aroclor 1232 (4)	7.223	301385	559.394 ng/ml
17) Aroclor 1232 (5)	7.308	262045	607.331 ng/ml
18) Aroclor 1232 (6)	7.481	295209	563.848 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.605	355199	305.114 ng/ml
21) Aroclor 1242 (2)	7.094	658761	316.145 ng/ml
22) Aroclor 1242 (3)	7.223	301385	306.843 ng/ml
23) Aroclor 1242 (4)	7.308	262045	287.250 ng/ml
24) Aroclor 1242 (5)	7.354	294208	276.794 ng/ml
25) Aroclor 1242 (6)	7.481	295209	273.159 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.067	516693	404.192 ng/ml
28) Aroclor 1248 (2)	7.308	262045	159.761 ng/ml
29) Aroclor 1248 (3)	7.354	294208	188.834 ng/ml
30) Aroclor 1248 (4)	7.481	295209	158.743 ng/ml
31) Aroclor 1248 (5)	7.845	369589	155.764 ng/ml
32) Aroclor 1248 (6)	8.005	467683	234.311 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.827	399411	169.983 ng/ml
35) Aroclor 1254 (2)	8.005	467683	131.586 ng/ml
36) Aroclor 1254 (3)	8.319	180179	47.411 ng/ml
37) Aroclor 1254 (4)	8.559	146792	51.723 ng/ml
38) Aroclor 1254 (5)	8.897	1176375	400.709 ng/ml
39) Aroclor 1254 (6)	9.156	1474287	1769.607 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.457	1207444	417.047 ng/ml
42) Aroclor 1260 (2)	8.661	1383833	393.114 ng/ml
43) Aroclor 1260 (3)	8.897	1176375	322.800 ng/ml
44) Aroclor 1260 (4)	9.417	3189617	607.500 ng/ml

Handwritten: 567.535

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R023.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 13:53
 Operator : MJB / KAK
 Sample : 0D02023-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:39 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.709	1886193	609.811 ng/ml
46) Aroclor 1260 (6)	10.345	878583	726.986 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.661	1383833	507.294 ng/ml
49) Aroclor 1262 (2)	8.966	2028655	540.607 ng/ml
50) Aroclor 1262 (3)	9.156	1474287	541.788 ng/ml
51) Aroclor 1262 (4)	9.417	3189617	545.134 ng/ml
52) Aroclor 1262 (5)	9.709	1886193	534.378 ng/ml
53) Aroclor 1262 (6)	10.345	878583	548.771 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.202	206633	127.767 ng/ml
56) Aroclor 1268 (2)	9.709	1886193	281.219 ng/ml
57) Aroclor 1268 (3)	9.781	1039864	190.684 ng/ml
58) Aroclor 1268 (4)	10.027	92226	19.385 ng/ml
59) Aroclor 1268 (5)	10.345	878583	452.634 ng/ml
60) Aroclor 1268 (6)	10.745	271873	22.679 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

536.329

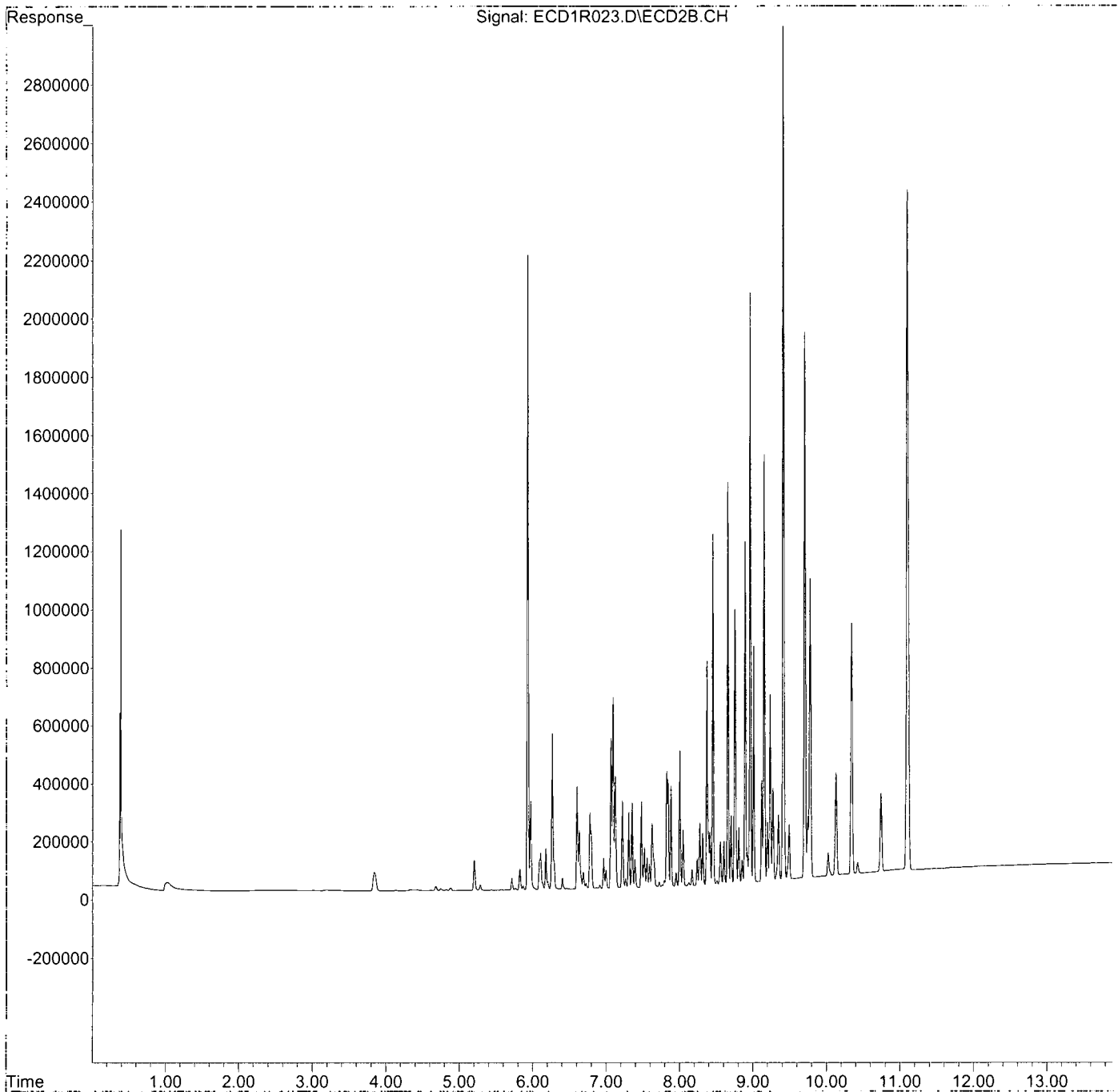
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R023.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 13:53
Operator : MJB / KAK
Sample : 0D02023-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 03 11:42:39 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R024.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 14:12
 Operator : MJB / KAK
 Sample : 0D02023-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:57 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/3/20
 1242, 1268

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.931	2179535	42.644	ng/ml
62) S DCBP (S)	11.105	1007226	39.053	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.604	599235	379.836	ng/ml
3) Aroclor 1016 (2)	7.094	1127134	395.599	ng/ml
4) Aroclor 1016 (3)	7.222	514304	379.001	ng/ml
5) Aroclor 1016 (4)	7.308	449793	332.995	ng/ml
6) Aroclor 1016 (5)	7.354	543897	364.988	ng/ml
7) Aroclor 1016 (6)	7.480	542363	361.188	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.107	41126	104.249	ng/ml
10) Aroclor 1221 (2)	6.180	78385	200.935	ng/ml
11) Aroclor 1221 (3)	6.267	373341	291.662	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.267	373341	364.624	ng/ml
14) Aroclor 1232 (2)	6.604	599235	966.411	ng/ml
15) Aroclor 1232 (3)	7.094	1127134	988.414	ng/ml
16) Aroclor 1232 (4)	7.222	514304	954.589	ng/ml
17) Aroclor 1232 (5)	7.308	449793	1042.467	ng/ml
18) Aroclor 1232 (6)	7.480	542363	1035.911	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.604	599235	514.740	ng/ml
21) Aroclor 1242 (2)	7.094	1127134	540.920	ng/ml
22) Aroclor 1242 (3)	7.222	514304	523.620	ng/ml
23) Aroclor 1242 (4)	7.308	449793	493.056	ng/ml
24) Aroclor 1242 (5)	7.354	543897	511.704	ng/ml
25) Aroclor 1242 (6)	7.480	542363	501.853	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.065	925640	724.096	ng/ml
28) Aroclor 1248 (2)	7.308	449793	274.225	ng/ml
29) Aroclor 1248 (3)	7.354	543897	349.094	ng/ml
30) Aroclor 1248 (4)	7.480	542363	291.645	ng/ml
31) Aroclor 1248 (5)	7.845	659510	277.951	ng/ml
32) Aroclor 1248 (6)	8.004	485945	243.460	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.829	449930	191.484	ng/ml
35) Aroclor 1254 (2)	8.004	485945	136.724	ng/ml
36) Aroclor 1254 (3)	8.318	184255	48.483	ng/ml
37) Aroclor 1254 (4)	8.558	143096	50.421	ng/ml
38) Aroclor 1254 (5)	8.896	37945	12.925	ng/ml
39) Aroclor 1254 (6)	9.155	56518	67.840	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.456	17137	5.919	ng/ml
42) Aroclor 1260 (2)	8.658	29690	8.434	ng/ml
43) Aroclor 1260 (3)	8.896	37945	10.412	ng/ml
44) Aroclor 1260 (4)	9.417	341413	65.026	ng/ml

Handwritten: 514.316

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R024.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 14:12
 Operator : MJB / KAK
 Sample : 0D02023-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:42:57 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.711	3251731	1051.293 ng/ml
46) Aroclor 1260 (6)	10.345	936306	774.749 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.658	29690	10.884 ng/ml
49) Aroclor 1262 (2)	8.965	691496	184.274 ng/ml
50) Aroclor 1262 (3)	9.155	56518	20.770 ng/ml
51) Aroclor 1262 (4)	9.417	341413	58.351 ng/ml
52) Aroclor 1262 (5)	9.711	3251731	921.250 ng/ml
53) Aroclor 1262 (6)	10.345	936306	584.826 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.201	782890	484.081 ng/ml
56) Aroclor 1268 (2)	9.711	3251731	484.813 ng/ml
57) Aroclor 1268 (3)	9.784	2661575	488.063 ng/ml
58) Aroclor 1268 (4)	10.028	2213228	465.188 ng/ml
59) Aroclor 1268 (5)	10.345	936306	482.373 ng/ml
60) Aroclor 1268 (6)	10.746	5806359	484.354 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

481.479

(f)=RT Delta > 1/2 Window

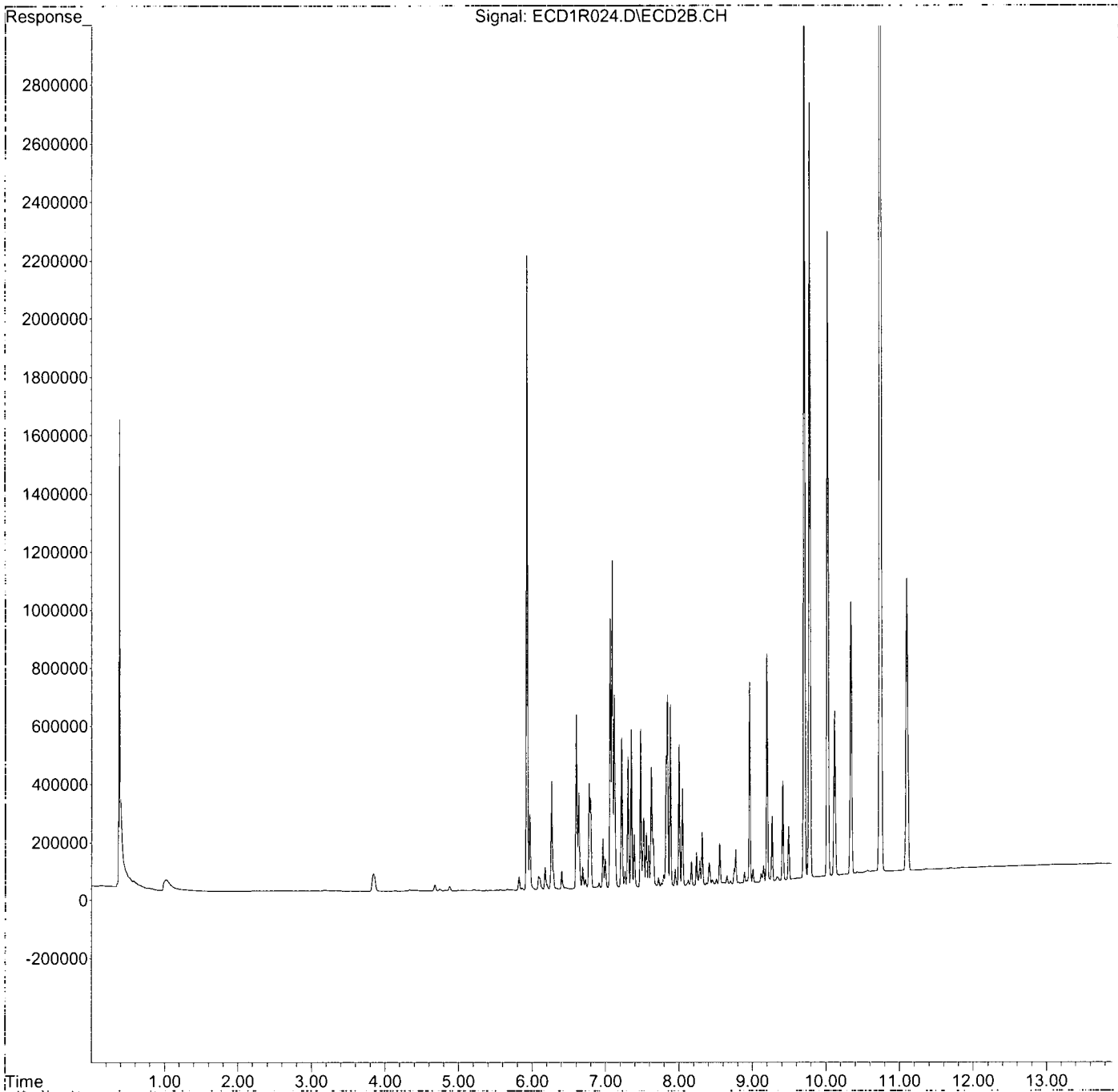
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R024.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 14:12
Operator : MJB / KAK
Sample : 0D02023-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 03 11:42:57 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R025.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 14:30
 Operator : MJB / KAK
 Sample : 0D02023-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:43:15 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/3/20
 1248

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.952	1813	0.035	ng/ml
62) S DCBP (S)	11.108	2045	0.079	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.605	323132	204.823	ng/ml
3) Aroclor 1016 (2)	7.094	612353	214.922	ng/ml
4) Aroclor 1016 (3)	7.221	315236	232.304	ng/ml
5) Aroclor 1016 (4)	7.308	860873	637.329	ng/ml
6) Aroclor 1016 (5)	7.355	816686	548.046	ng/ml
7) Aroclor 1016 (6)	7.481	958281	638.170	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.107	3432	8.700	ng/ml
10) Aroclor 1221 (2)	6.181	7005	17.957	ng/ml
11) Aroclor 1221 (3)	6.268	43288	33.818	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.268	43288	42.278	ng/ml
14) Aroclor 1232 (2)	6.605	323132	521.129	ng/ml
15) Aroclor 1232 (3)	7.094	612353	536.989	ng/ml
16) Aroclor 1232 (4)	7.221	315236	585.104	ng/ml
17) Aroclor 1232 (5)	7.308	860873	1995.208	ng/ml
18) Aroclor 1232 (6)	7.481	958281	1830.312	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.605	323132	277.569	ng/ml
21) Aroclor 1242 (2)	7.094	612353	293.873	ng/ml
22) Aroclor 1242 (3)	7.221	315236	320.946	ng/ml
23) Aroclor 1242 (4)	7.308	860873	943.674	ng/ml
24) Aroclor 1242 (5)	7.355	816686	768.347	ng/ml
25) Aroclor 1242 (6)	7.481	958281	886.705	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.067	638589	499.546	ng/ml
28) Aroclor 1248 (2)	7.308	860873	524.848	ng/ml
29) Aroclor 1248 (3)	7.355	816686	524.181	ng/ml
30) Aroclor 1248 (4)	7.481	958281	515.297	ng/ml
31) Aroclor 1248 (5)	7.846	1254160	528.566	ng/ml
32) Aroclor 1248 (6)	8.006	1047379	524.741	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.829	909811	387.202	ng/ml
35) Aroclor 1254 (2)	8.006	1047379	294.687	ng/ml
36) Aroclor 1254 (3)	8.319	614515	161.698	ng/ml
37) Aroclor 1254 (4)	8.557	438291	154.434	ng/ml
38) Aroclor 1254 (5)	8.894	95594	32.562	ng/ml
39) Aroclor 1254 (6)	9.136	33005	39.617	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	54337	18.768	ng/ml
42) Aroclor 1260 (2)	8.658	73141	20.778	ng/ml
43) Aroclor 1260 (3)	8.894	95594	26.231	ng/ml
44) Aroclor 1260 (4)	9.417	16637	3.169	ng/ml

Handwritten: 519.530

Quantitation Report (Not Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R025.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 14:30
 Operator : MJB / KAK
 Sample : 0D02023-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 03 11:43:15 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.708	11030	3.566 ng/ml
46) Aroclor 1260 (6)	10.344	2913	2.410 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.658	73141	26.813 ng/ml
49) Aroclor 1262 (2)	8.966	6979	1.860 ng/ml
50) Aroclor 1262 (3)	9.136	33005	12.129 ng/ml
51) Aroclor 1262 (4)	9.417	16637	2.843 ng/ml
52) Aroclor 1262 (5)	9.708	11030	3.125 ng/ml
53) Aroclor 1262 (6)	10.344	2913	1.819 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.204	857	0.530 ng/ml
56) Aroclor 1268 (2)	9.708	11030	1.644 ng/ml
57) Aroclor 1268 (3)	9.782	3747	0.687 ng/ml
58) Aroclor 1268 (4)	10.030	1142	0.240 ng/ml
59) Aroclor 1268 (5)	10.344	2913	1.500 ng/ml
60) Aroclor 1268 (6)	10.744	1587	0.132 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

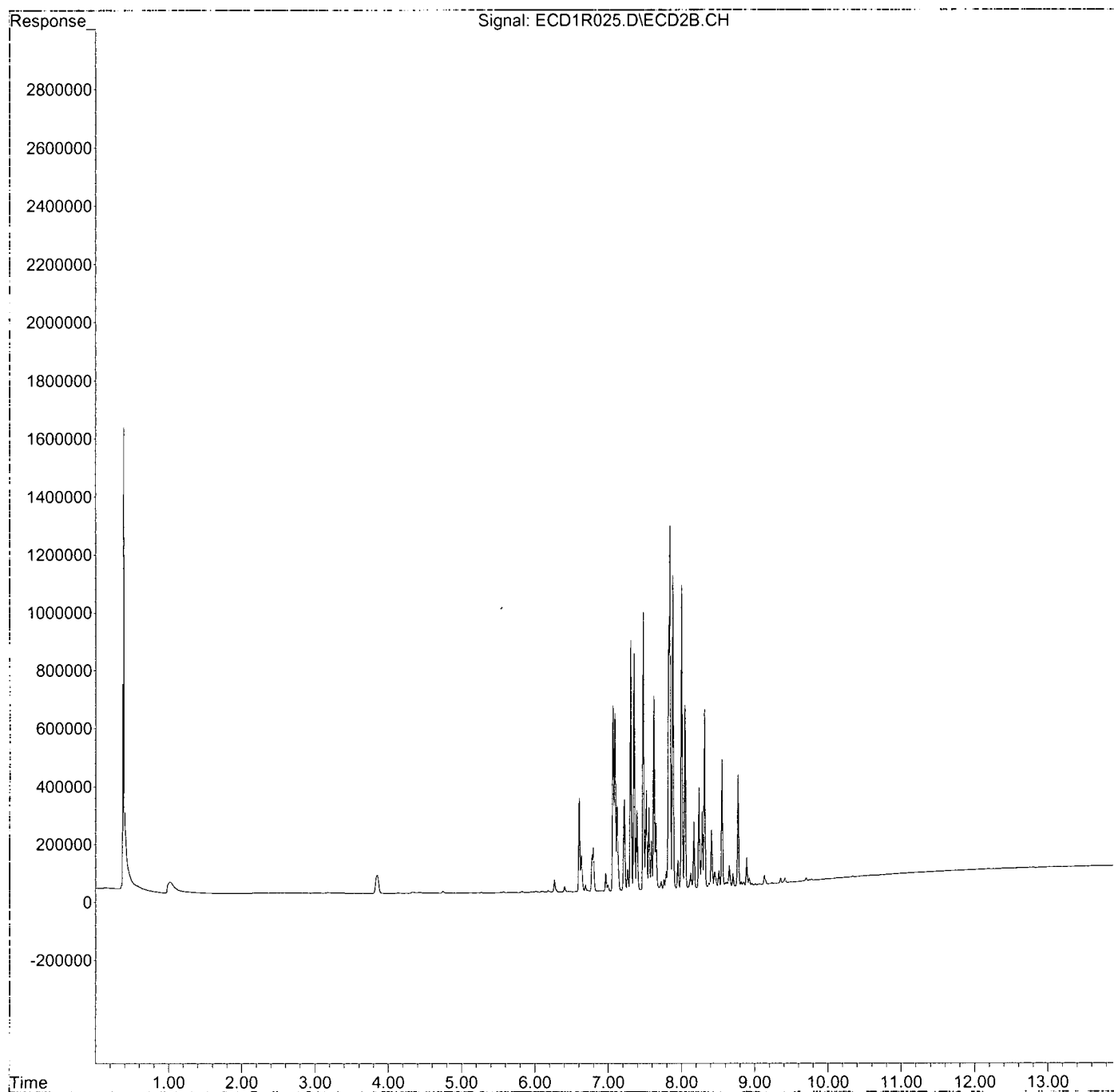
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R025.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 14:30
Operator : MJB / KAK
Sample : 0D02023-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 03 11:43:15 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 8:43
 Operator : MJB / KAK
 Sample : 0D02023-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:35:08 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/12/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.930	542655	10.617	ng/ml
62) S DCBP (S)	11.105	269543	10.451	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.603	38394	24.337	ng/ml
3) Aroclor 1016 (2)	7.093	63645	22.338	ng/ml
4) Aroclor 1016 (3)	7.221	30520	22.491	ng/ml ✓
5) Aroclor 1016 (4)	7.307	32451	24.024	ng/ml
6) Aroclor 1016 (5)	7.353	35143	23.583	ng/ml
7) Aroclor 1016 (6)	7.479	35201	23.442	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.454	64747	22.363	ng/ml
42) Aroclor 1260 (2)	8.659	77173	21.923	ng/ml ✓
43) Aroclor 1260 (3)	8.894	77929	21.384	ng/ml
44) Aroclor 1260 (4)	9.415	104771	19.955	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 8:43
 Operator : MJB / KAK
 Sample : 0D02023-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:35:08 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.707	63341	20.478 ng/ml
46) Aroclor 1260 (6)	10.344	25791	21.341 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

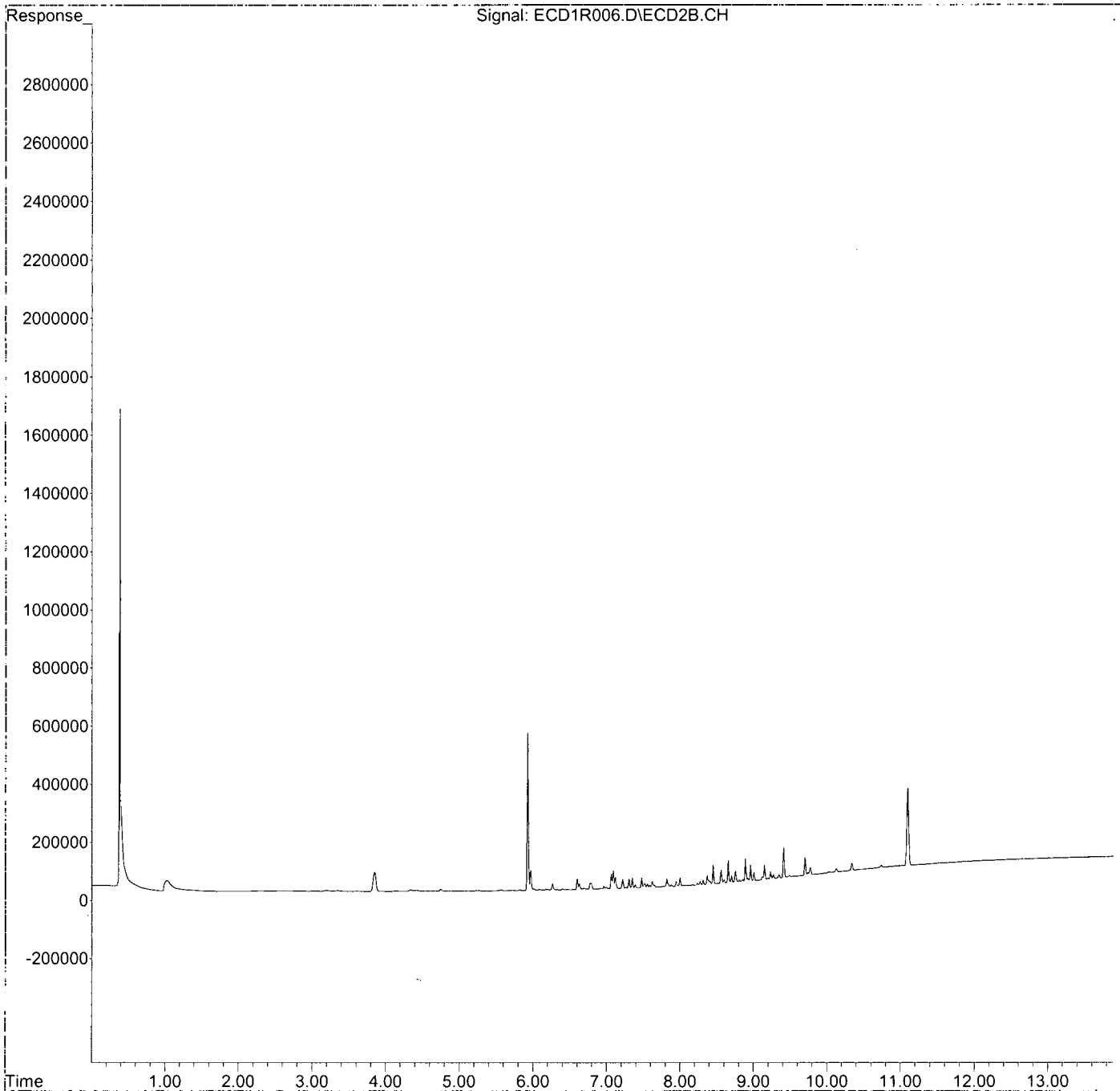
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
Data File : ECD1R006.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 8:43
Operator : MJB / KAK
Sample : 0D02023-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 14:35:08 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\Requant\
 Data File : ECD1R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:01
 Operator : MJB / KAK
 Sample : OD02023-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:36:05 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.931	1369884	26.803	ng/ml ✓
62) S DCBP (S)	11.106	683403	26.497	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.604	88638	56.185	ng/ml
3) Aroclor 1016 (2)	7.094	146041	51.257	ng/ml
4) Aroclor 1016 (3)	7.222	72511	53.435	ng/ml ✓
5) Aroclor 1016 (4)	7.308	76926	56.950	ng/ml
6) Aroclor 1016 (5)	7.354	84229	56.523	ng/ml
7) Aroclor 1016 (6)	7.480	83347	55.505	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.455	154333	53.306	ng/ml
42) Aroclor 1260 (2)	8.660	186600	53.009	ng/ml
43) Aroclor 1260 (3)	8.895	192294	52.766	ng/ml ✓
44) Aroclor 1260 (4)	9.416	267350	50.920	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:01
 Operator : MJB / KAK
 Sample : 0D02023-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:36:05 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.707	158537	51.256 ng/ml
46) Aroclor 1260 (6)	10.343	62996	52.126 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

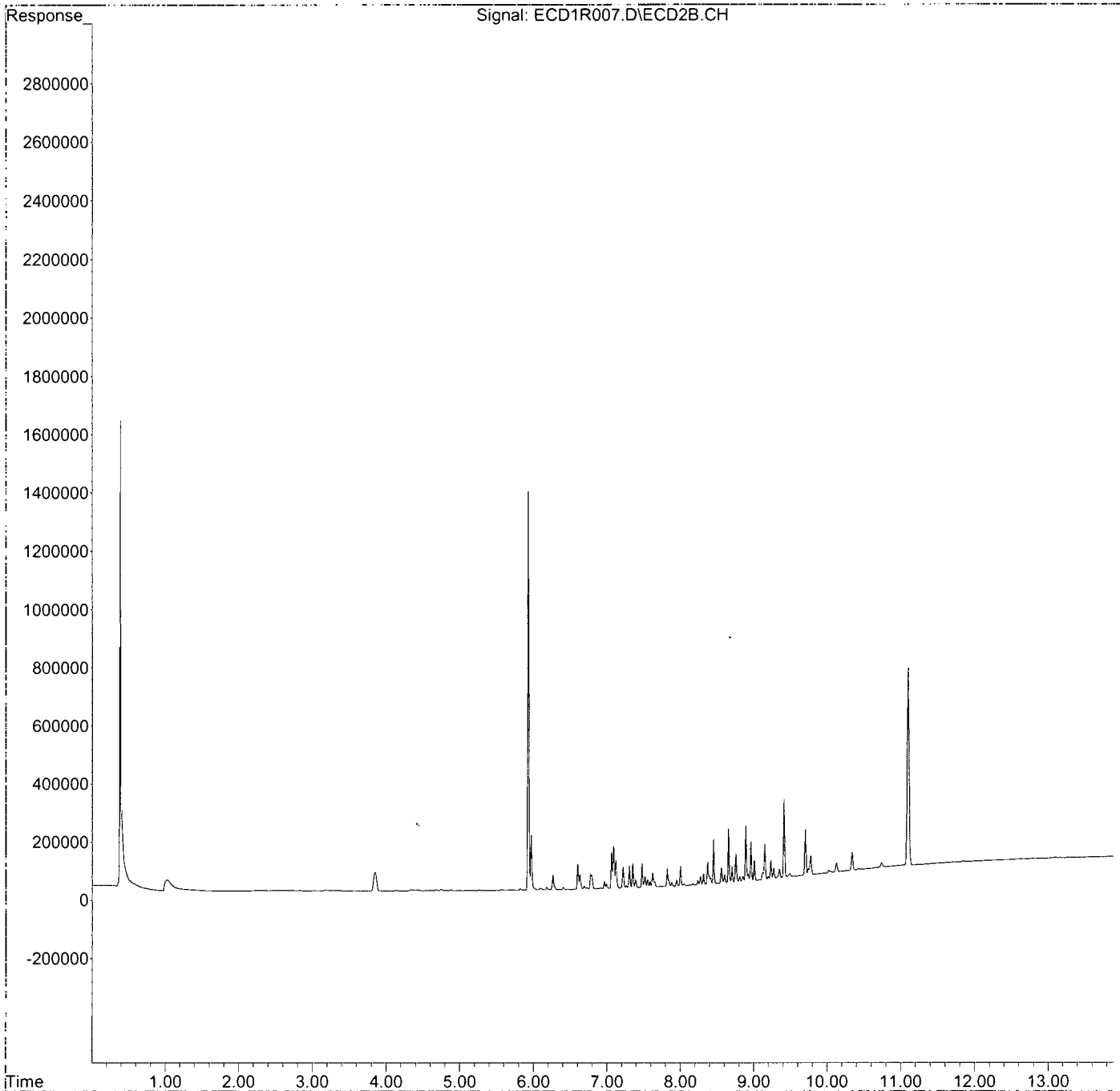
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\Requant\
Data File : ECD1R007.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:01
Operator : MJB / KAK
Sample : OD02023-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 14:36:05 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:19
 Operator : MJB / KAK
 Sample : 0D02023-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:36:59 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.930	2723049	53.279	ng/ml ✓
62) S DCBP (S)	11.103	1314930	50.983	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.603	164891	104.519	ng/ml
3) Aroclor 1016 (2)	7.093	291234	102.217	ng/ml
4) Aroclor 1016 (3)	7.221	139461	102.772	ng/ml
5) Aroclor 1016 (4)	7.307	140274	103.849	ng/ml
6) Aroclor 1016 (5)	7.353	153389	102.933	ng/ml
7) Aroclor 1016 (6)	7.479	151938	101.184	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 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.454	298969	103.263	ng/ml
42) Aroclor 1260 (2)	8.659	352515	100.141	ng/ml
43) Aroclor 1260 (3)	8.894	354466	97.266	ng/ml ✓
44) Aroclor 1260 (4)	9.415	536623	102.206	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:19
 Operator : MJB / KAK
 Sample : 0D02023-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:36:59 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.706	304020	98.290 ng/ml
46) Aroclor 1260 (6)	10.343	119168	98.606 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

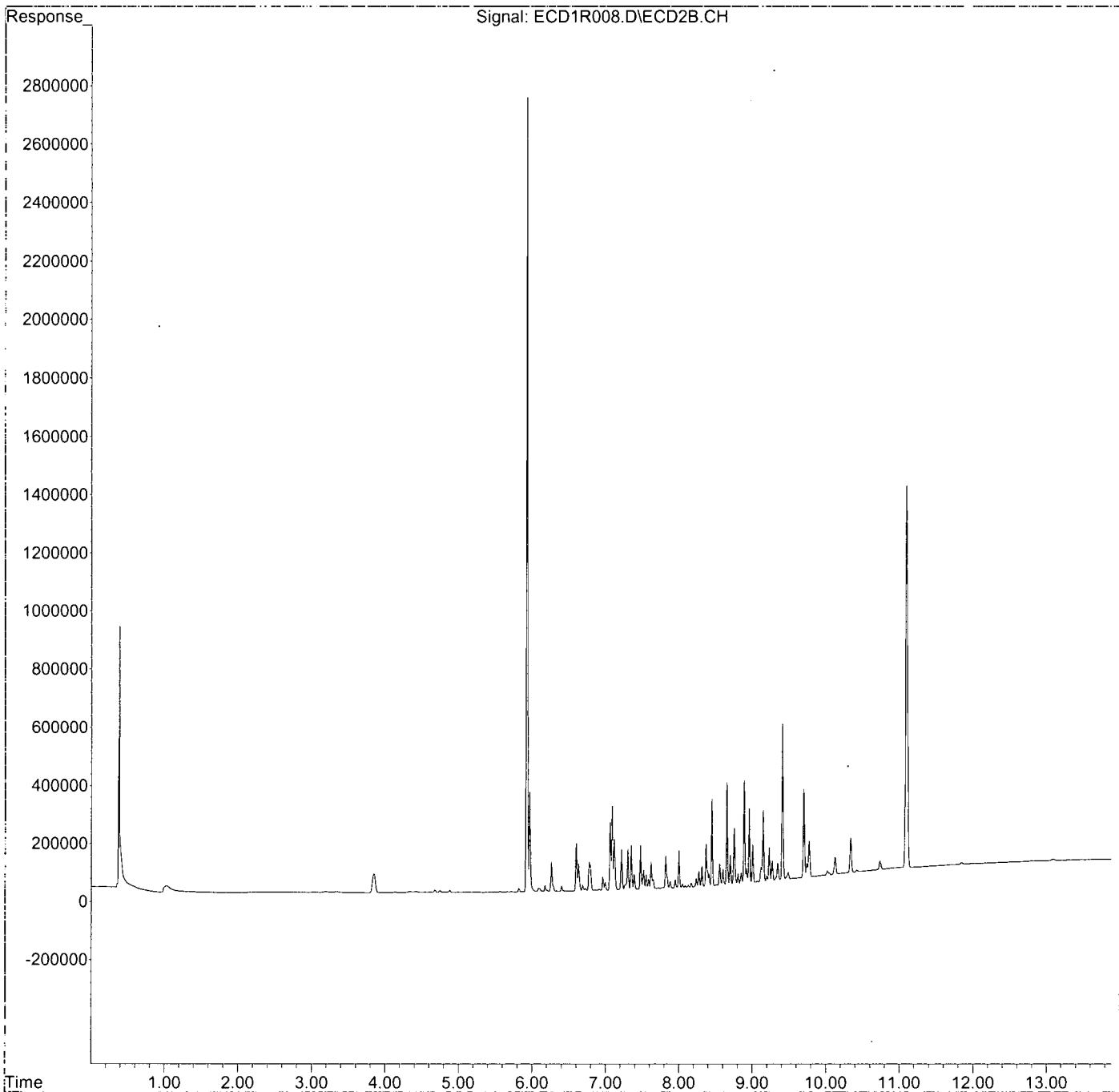
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\Requant\
Data File : ECD1R008.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:19
Operator : MJB / KAK
Sample : 0D02023-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 14:36:59 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:38
 Operator : MJB / KAK
 Sample : 0D02023-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:37:57 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.932	5188551	101.518	ng/ml ✓
62) S DCBP (S)	11.108	2523773	97.853	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.605	307827	195.122	ng/ml
3) Aroclor 1016 (2)	7.095	568867	199.660	ng/ml
4) Aroclor 1016 (3)	7.223	274122	202.006	ng/ml ✓
5) Aroclor 1016 (4)	7.309	263273	194.909	ng/ml
6) Aroclor 1016 (5)	7.355	290536	194.967	ng/ml
7) Aroclor 1016 (6)	7.481	292991	195.118	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	552768	190.924	ng/ml
42) Aroclor 1260 (2)	8.662	708323	201.218	ng/ml ✓
43) Aroclor 1260 (3)	8.896	720487	197.704	ng/ml
44) Aroclor 1260 (4)	9.417	1064998	202.842	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:38
 Operator : MJB / KAK
 Sample : 0D02023-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:37:57 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.709	614239	198.585 ng/ml
46) Aroclor 1260 (6)	10.346	236999	196.106 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

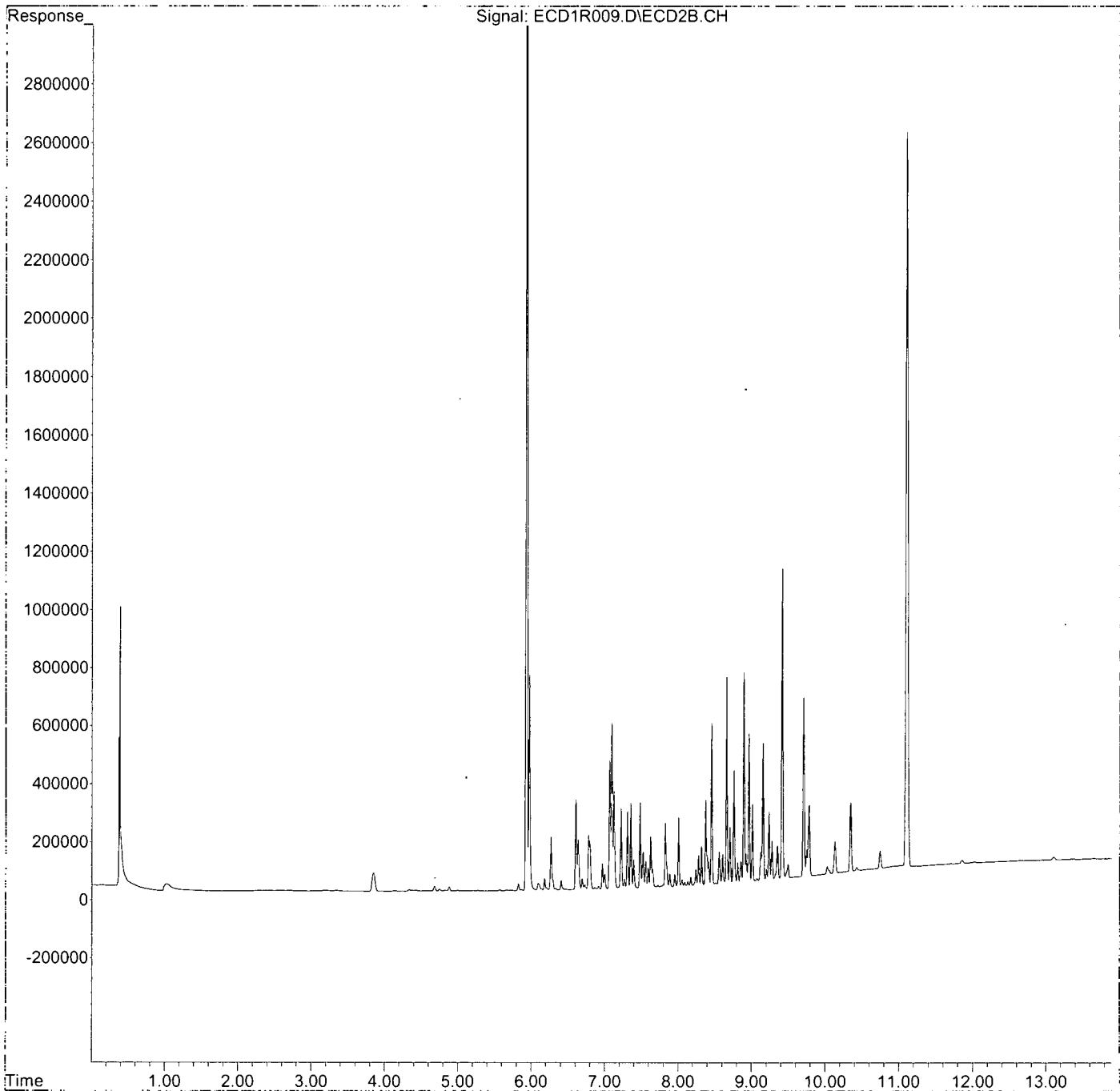
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\Requant\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:38
Operator : MJB / KAK
Sample : OD02023-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 14:37:57 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:56
 Operator : MJB / KAK
 Sample : 0D02023-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:38:50 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 AIZIZO

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.933	11241342	219.946	ng/ml ✓
62) S DCBP (S)	11.107	5919462	229.512	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.605	699829	443.599	ng/ml
3) Aroclor 1016 (2)	7.095	1378528	483.833	ng/ml
4) Aroclor 1016 (3)	7.224	639140	470.996	ng/ml ✓
5) Aroclor 1016 (4)	7.310	614993	455.297	ng/ml
6) Aroclor 1016 (5)	7.356	686901	460.952	ng/ml
7) Aroclor 1016 (6)	7.482	698015	464.845	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	1394376	481.613	ng/ml
42) Aroclor 1260 (2)	8.662	1705400	484.464	ng/ml
43) Aroclor 1260 (3)	8.896	1807413	495.959	ng/ml ✓
44) Aroclor 1260 (4)	9.417	2591435	493.570	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\Requant\
 Data File : ECD1R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:56
 Operator : MJB / KAK
 Sample : OD02023-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:38:50 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.709	1568868	507.219	ng/ml
46) Aroclor 1260 (6)	10.346	621301	514.097	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

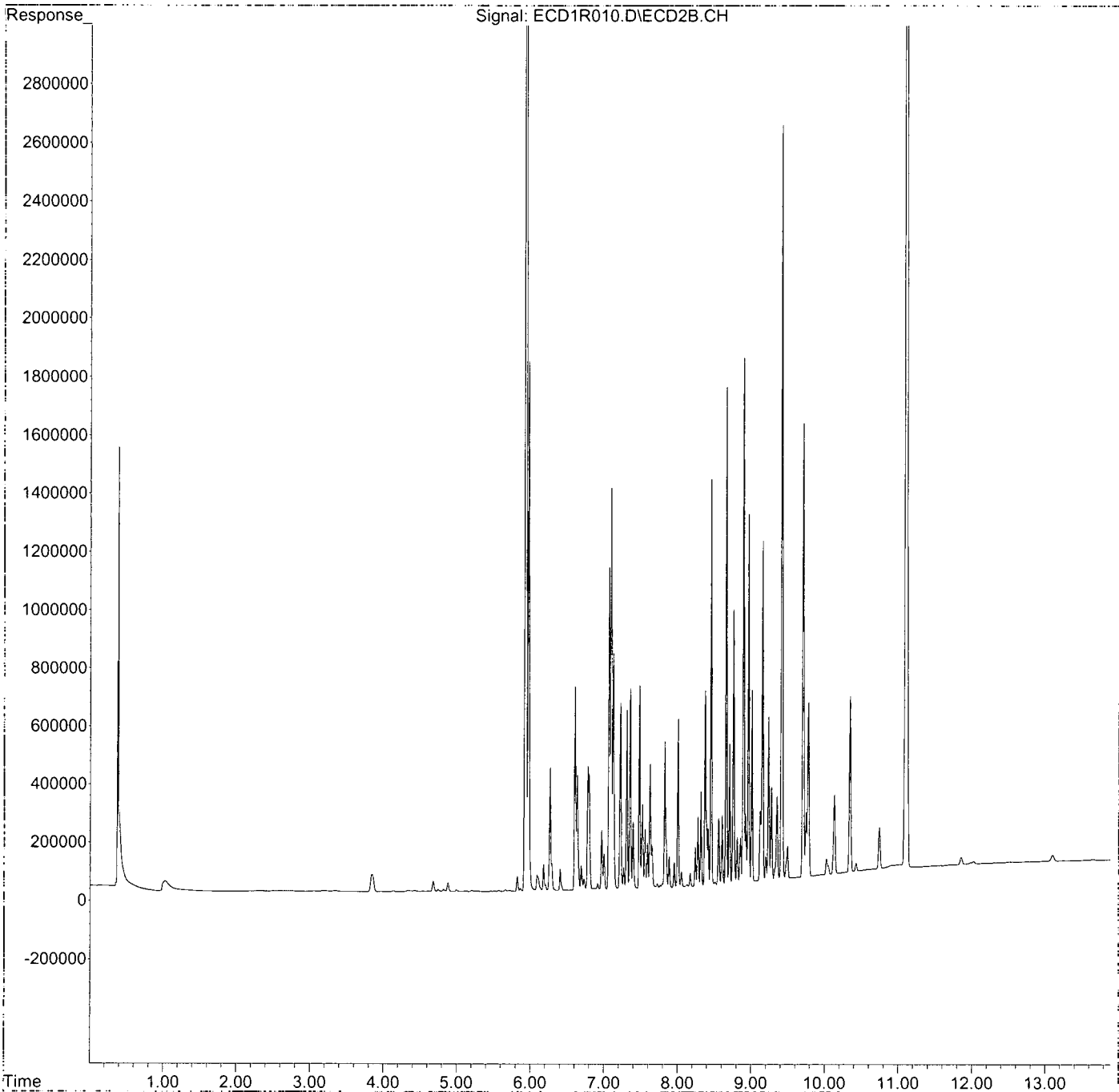
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\Requant\
Data File : ECD1R010.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:56
Operator : MJB / KAK
Sample : OD02023-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 14:38:50 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:14
 Operator : MJB / KAK
 Sample : 0D02023-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:39:52 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.934	24235592	474.189	ng/ml ✓
62) S DCBP (S)	11.109	12604764	488.718	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.606	1393349	883.200	ng/ml
3) Aroclor 1016 (2)	7.095	2628708	922.619	ng/ml
4) Aroclor 1016 (3)	7.223	1220250	899.228	ng/ml
5) Aroclor 1016 (4)	7.309	1181398	874.623	ng/ml
6) Aroclor 1016 (5)	7.356	1330520	892.860	ng/ml
7) Aroclor 1016 (6)	7.482	1373608	914.758	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	2704807	934.231	ng/ml
42) Aroclor 1260 (2)	8.662	3304150	938.631	ng/ml
43) Aroclor 1260 (3)	8.897	3434385	942.404	ng/ml
44) Aroclor 1260 (4)	9.418	5140456	979.061	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:14
 Operator : MJB / KAK
 Sample : 0D02023-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:39:52 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.709	3045730	984.692 ng/ml
46) Aroclor 1260 (6)	10.346	1125838	931.577 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

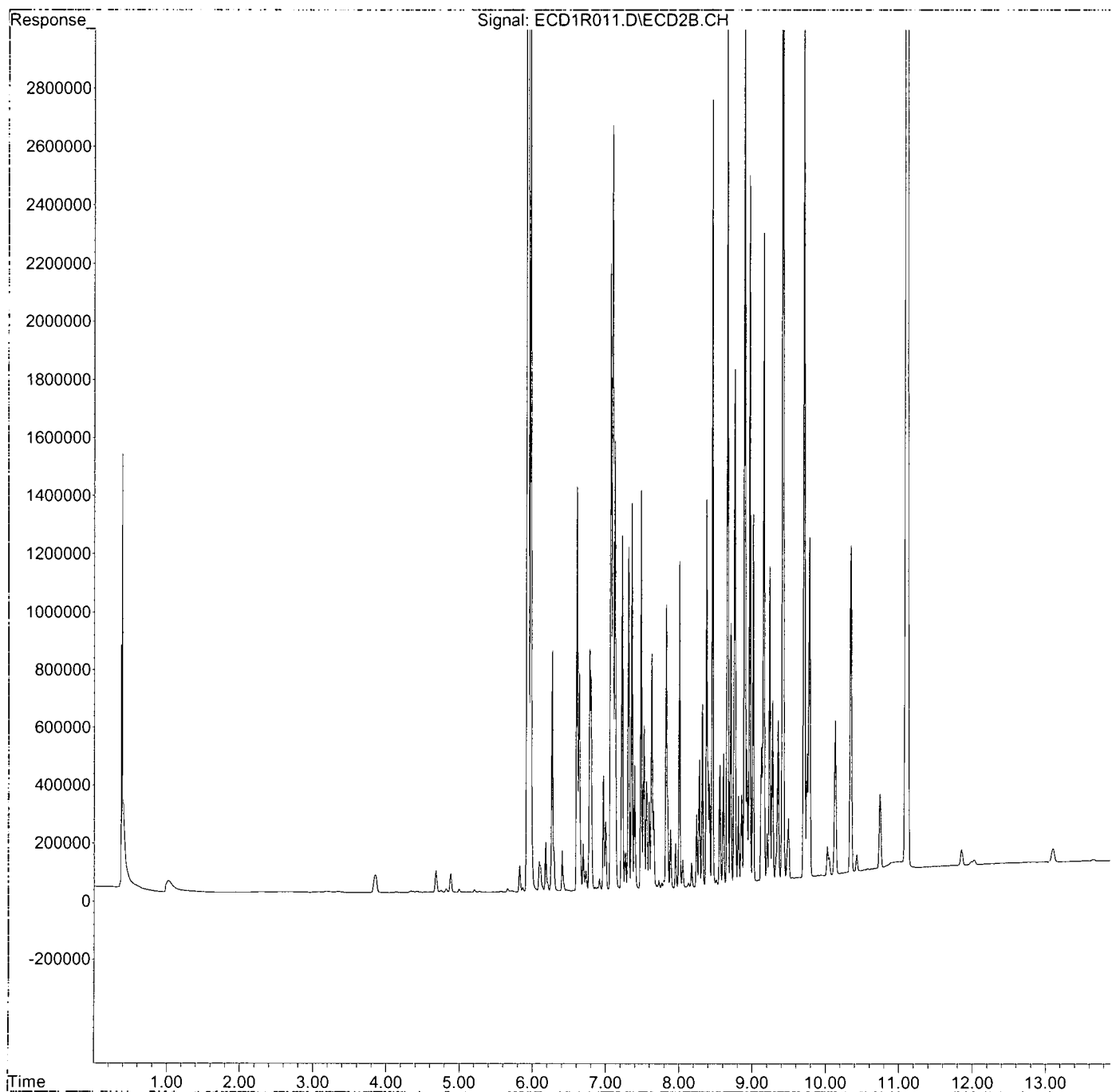
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\Requant\
Data File : ECD1R011.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 10:14
Operator : MJB / KAK
Sample : OD02023-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 14:39:52 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R012.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:32
 Operator : MJB / KAK
 Sample : 0D02023-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:41:50 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.934	39138382	765.774	ng/ml ✓
62) S DCBP (S)	11.107	20661155	801.084	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.605	2054689	1302.402	ng/ml
3) Aroclor 1016 (2)	7.095	4048145	1420.810	ng/ml
4) Aroclor 1016 (3)	7.223	1888507	1391.680	ng/ml
5) Aroclor 1016 (4)	7.309	1745590	1292.310	ng/ml ✓
6) Aroclor 1016 (5)	7.355	1947956	1307.197	ng/ml
7) Aroclor 1016 (6)	7.482	1995444	1328.871	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	4043160	1396.494	ng/ml
42) Aroclor 1260 (2)	8.661	4903294	1392.910	ng/ml
43) Aroclor 1260 (3)	8.896	5356997	1469.973	ng/ml ✓
44) Aroclor 1260 (4)	9.418	7729009	1472.081	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\Requant\
 Data File : ECD1R012.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:32
 Operator : MJB / KAK
 Sample : 0D02023-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 14:41:50 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:54:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.709	4528359	1464.030	ng/ml
46) Aroclor 1260 (6)	10.345	1747673	1446.117	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

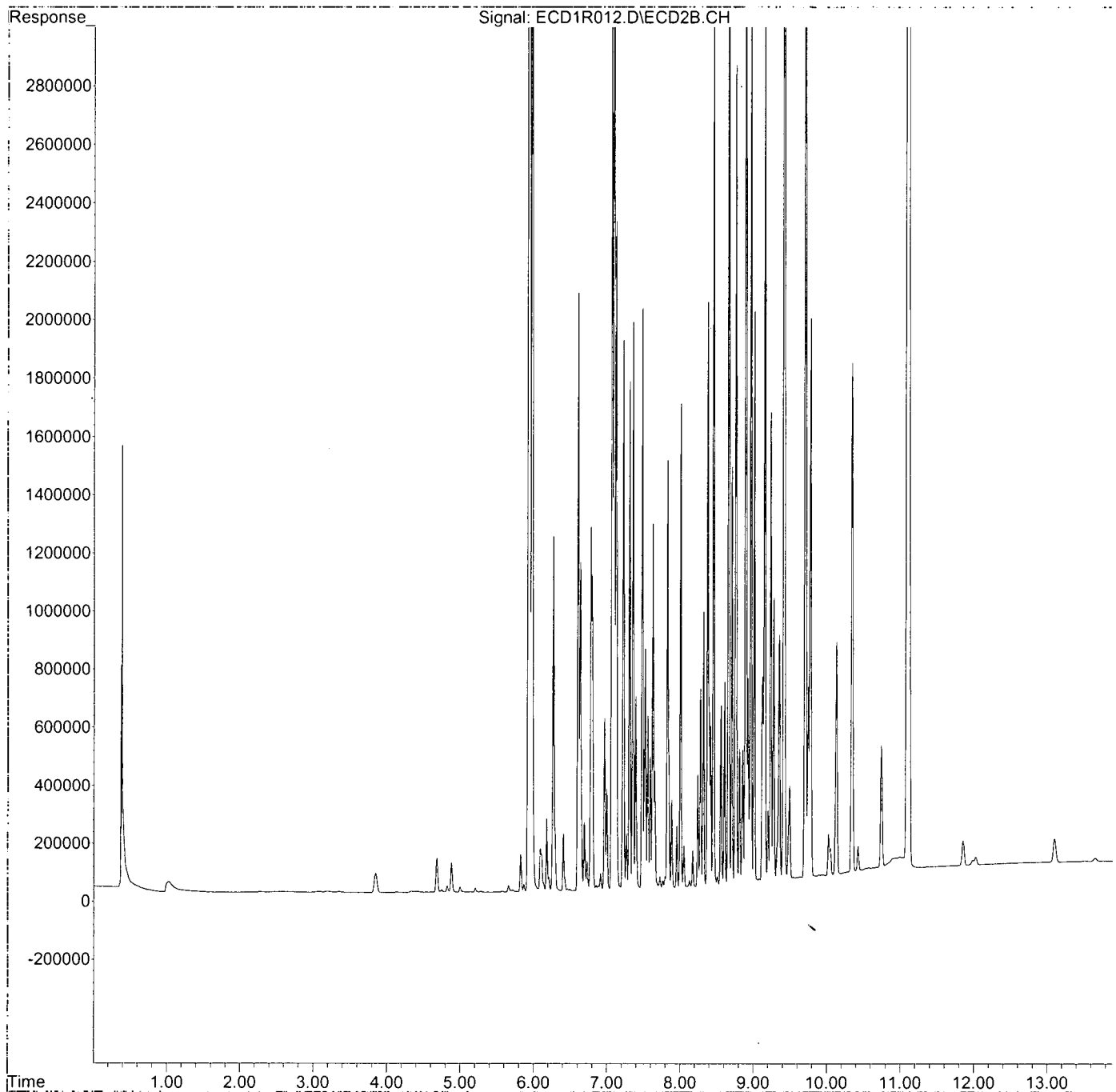
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\Requant\
Data File : ECD1R012.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 10:32
Operator : MJB / KAK
Sample : 0D02023-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 14:41:50 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:54:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Calibration Status Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	I:\DATA\0D02023\ECD1R006.D
2	2	25	0	I:\DATA\0D02023\ECD1R007.D
3	3	50	0	I:\DATA\0D02023\ECD1R008.D
4	4	100	0	I:\DATA\0D02023\ECD1R009.D
5	5	250	0	I:\DATA\0D02023\ECD1R021.D
6	6	500	0	I:\DATA\0D02023\ECD1R011.D
7	7	800	0	I:\DATA\0D02023\ECD1R012.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 02 13:51 2020	Apr 02 10:56 2020	02 Apr 2020 8:43
2	2	Apr 02 13:52 2020	Apr 02 10:57 2020	02 Apr 2020 9:01
3	3	Apr 02 13:52 2020	Apr 02 10:57 2020	02 Apr 2020 9:19
4	4	Apr 02 13:52 2020	Apr 02 10:58 2020	02 Apr 2020 9:38
5	5	Apr 02 13:54 2020	Apr 02 13:51 2020	02 Apr 2020 13:17
6	6	Apr 02 13:52 2020	Apr 02 11:00 2020	02 Apr 2020 10:14
7	7	Apr 02 13:52 2020	Apr 02 11:00 2020	02 Apr 2020 10:32

RECD1_QUANTPCB_200402.M Thu Apr 02 13:55:29 2020

Response Factor Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD1R006.D 2 =ECD1R007.D 3 =ECD1R008.D
 4 =ECD1R009.D 5 =ECD1R021.D 6 =ECD1R011.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	5.427	5.480	5.446	5.189	4.497	4.847	5.111	E4 7.36
2) Aroclor 1016 ...	1.920	1.773	1.649	1.539	1.400	1.393	1.578	E3 13.46
3) Aroclor 1016 ...	3.182	2.921	2.912	2.844	2.757	2.629	2.849	E3 6.40
4) Aroclor 1016 ...	1.526	1.450	1.395	1.371	1.278	1.220	1.357	E3 8.15
5) Aroclor 1016 ...	1.623	1.539	1.403	1.316	1.230	1.181	1.351	E3 13.22
6) Aroclor 1016 ...	1.757	1.685	1.534	1.453	1.374	1.331	1.490	E3 11.88
7) Aroclor 1016 (6)	1.760	1.667	1.519	1.465	1.396	1.374	1.502	E3 10.62
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					3.945		3.945	E2 0.00
10) Aroclor 1221 (2)					3.901		3.901	E2 0.00
11) Aroclor 1221 (3)					1.280		1.280	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					1.024		1.024	E3 0.00
14) Aroclor 1232 (2)					6.201		6.201	E2 0.00
15) Aroclor 1232 (3)					1.140		1.140	E3 0.00
16) Aroclor 1232 (4)					5.388		5.388	E2 0.00
17) Aroclor 1232 (5)					4.315		4.315	E2 0.00
18) Aroclor 1232 (6)					5.236		5.236	E2 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					1.164		1.164	E3 0.00
21) Aroclor 1242 ...					2.084		2.084	E3 0.00
22) Aroclor 1242 ...					9.822		9.822	E2 0.00
23) Aroclor 1242 ...					9.123		9.123	E2 0.00
24) Aroclor 1242 ...					1.063		1.063	E3 0.00
25) Aroclor 1242 (6)					1.081		1.081	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					1.278		1.278	E3 0.00
28) Aroclor 1248 ...					1.640		1.640	E3 0.00
29) Aroclor 1248 ...					1.558		1.558	E3 0.00
30) Aroclor 1248 ...					1.860		1.860	E3 0.00
31) Aroclor 1248 ...					2.373		2.373	E3 0.00
32) Aroclor 1248 (6)					1.996		1.996	E3 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					2.350		2.350	E3 0.00
35) Aroclor 1254 ...					3.554		3.554	E3 0.00
36) Aroclor 1254 ...					3.800		3.800	E3 0.00
37) Aroclor 1254 ...					2.838		2.838	E3 0.00
38) Aroclor 1254 ...					2.936		2.936	E3 0.00
39) Aroclor 1254 (6)					8.331		8.331	E2 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	3.237	3.087	2.990	2.764	2.789	2.705	2.895	E3 7.29
42) Aroclor 1260 ...	3.859	3.732	3.525	3.542	3.411	3.304	3.520	E3 6.16
43) Aroclor 1260 (3)	3.896	3.846	3.545	3.602	3.615	3.434	3.644	E3 4.57
44) Aroclor 1260 (4)	5.239	5.347	5.366	5.325	5.183	5.140	5.250	E3 1.82
45) Aroclor 1260 (5)	3.167	3.171	3.040	3.071	3.138	3.046	3.093	E3 2.07
46) Aroclor 1260 (6)	1.290	1.260	1.192	1.185	1.243	1.126	1.209	E3 4.77
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					2.728		2.728	E3 0.00
49) Aroclor 1262 (2)					3.753		3.753	E3 0.00
50) Aroclor 1262 (3)					2.721		2.721	E3 0.00
51) Aroclor 1262 (4)					5.851		5.851	E3 0.00
52) Aroclor 1262 (5)					3.530		3.530	E3 0.00
53) Aroclor 1262 (6)					1.601		1.601	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					1.617		1.617	E3 0.00
56) Aroclor 1268 (2)					6.707		6.707	E3 0.00
57) Aroclor 1268 (3)					5.453		5.453	E3 0.00
58) Aroclor 1268 (4)					4.758		4.758	E3 0.00
59) Aroclor 1268 (5)					1.941		1.941	E3 0.00
60) Aroclor 1268 (6)					1.199		1.199	E4 0.00

Response Factor Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD1R006.D 2 =ECD1R007.D 3 =ECD1R008.D
 4 =ECD1R009.D 5 =ECD1R021.D 6 =ECD1R011.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	2.695	2.734	2.630	2.524	2.368	2.521	2.579	E4 4.78

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : J:\METHODS\
 Method File : RECD1_QUANTPCB_200402.M
 Title : PCB Data Analysis
 Last Update : Thu Apr 02 13:54:13 2020
 Response Via : Initial Calibration

Total Cpnds : 62

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.933	1.000	A	H	L
2	Aroclor 1016 (1)	6.605	1.000	A	H	R
3	Aroclor 1016 (2)	7.095	1.000	A	H	R
4	Aroclor 1016 (3)	7.223	1.000	A	H	R
5	Aroclor 1016 (4)	7.309	1.000	A	H	R
6	Aroclor 1016 (5)	7.355	1.000	A	H	R
7	Aroclor 1016 (6)	7.482	1.000	A	H	R
8	Aroclor 1016 - AVE	3.014	1.000	A	H	R
9	Aroclor 1221 (1)	6.111	1.000	A	H	R
10	Aroclor 1221 (2)	6.183	1.000	A	H	R
11	Aroclor 1221 (3)	6.270	1.000	A	H	R
12	Aroclor 1221 - AVE	3.014	1.000	A	H	R
13	Aroclor 1232 (1)	6.269	1.000	A	H	R
14	Aroclor 1232 (2)	6.606	1.000	A	H	R
15	Aroclor 1232 (3)	7.096	1.000	A	H	R
16	Aroclor 1232 (4)	7.225	1.000	A	H	R
17	Aroclor 1232 (5)	7.311	1.000	A	H	R
18	Aroclor 1232 (6)	7.483	1.000	A	H	R
19	Aroclor 1232 - AVE	3.014	1.000	A	H	R
20	Aroclor 1242 (1)	6.606	1.000	A	H	R
21	Aroclor 1242 (2)	7.097	1.000	A	H	R
22	Aroclor 1242 (3)	7.225	1.000	A	H	R
23	Aroclor 1242 (4)	7.311	1.000	A	H	R
24	Aroclor 1242 (5)	7.357	1.000	A	H	R
25	Aroclor 1242 (6)	7.483	1.000	A	H	R
26	Aroclor 1242 - AVE	3.014	1.000	A	H	R
27	Aroclor 1248 (1)	7.065	1.000	A	H	R
28	Aroclor 1248 (2)	7.308	1.000	A	H	R
29	Aroclor 1248 (3)	7.354	1.000	A	H	R
30	Aroclor 1248 (4)	7.481	1.000	A	H	R
31	Aroclor 1248 (5)	7.845	1.000	A	H	R
32	Aroclor 1248 (6)	8.005	1.000	A	H	R
33	Aroclor 1248 - AVE	3.014	1.000	A	H	R
34	Aroclor 1254 (1)	7.829	1.000	A	H	R
35	Aroclor 1254 (2)	8.010	1.000	A	H	R
36	Aroclor 1254 (3)	8.322	1.000	A	H	R
37	Aroclor 1254 (4)	8.560	1.000	A	H	R
38	Aroclor 1254 (5)	8.898	1.000	A	H	R
39	Aroclor 1254 (6)	9.139	1.000	A	H	R
40	Aroclor 1254 - AVE	3.014	1.000	A	H	R
41	Aroclor 1260 (1)	8.456	1.000	A	H	R
42	Aroclor 1260 (2)	8.662	1.000	A	H	R
43	Aroclor 1260 (3)	8.896	1.000	A	H	R
44	Aroclor 1260 (4)	9.417	1.000	A	H	R
45	Aroclor 1260 (5)	9.709	1.000	A	H	R
46	Aroclor 1260 (6)	10.346	1.000	A	H	R
47	Aroclor 1260 - AVE	3.014	1.000	A	H	R
48	Aroclor 1262 (1)	8.662	1.000	A	H	R
49	Aroclor 1262 (2)	8.967	1.000	A	H	R
50	Aroclor 1262 (3)	9.157	1.000	A	H	R
51	Aroclor 1262 (4)	9.418	1.000	A	H	R
52	Aroclor 1262 (5)	9.711	1.000	A	H	R
53	Aroclor 1262 (6)	10.346	1.000	A	H	R
54	Aroclor 1262 - AVE	3.025	1.000	A	H	R
55	Aroclor 1268 (1)	9.711	1.000	A	H	R
56	Aroclor 1268 (2)	9.711	1.000	A	H	R

57	Aroclor 1268 (3)	9.784	1.000	A	H	R
58	Aroclor 1268 (4)	10.028	1.000	A	H	R
59	Aroclor 1268 (5)	10.345	1.000	A	H	R
60	Aroclor 1268 (6)	10.747	1.000	A	H	R
61	Aroclor 1268 - AVE	3.014	1.000	A	H	R
62	S DCBP (S)	11.106	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

RECD1_QUANTPCB_200402.M Thu Apr '02 13:55:20 2020

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Isooctane	E1A90127	1	Sample		
2	Vial 99	conditioning run	E1A90127	1	Sample		
3	Vial 1	Isooctane	E1A90127	1	Sample		
4	Vial 2	0D02022-ICB1	E1A90127	1	Sample		
5	Vial 3	0D02022-CAL1	E1A90127	1	Sample		
6	Vial 4	0D02022-CAL2	E1A90127	1	Sample		
7	Vial 5	0D02022-CAL3	E1A90127	1	Sample		
8	Vial 6	0D02022-CAL4	E1A90127	1	Sample		
9	Vial 7	0D02022-CAL5	E1A90127	1	Sample		
10	Vial 8	0D02022-CAL6	E1A90127	1	Sample		
11	Vial 9	0D02022-CAL7	E1A90127	1	Sample		
12	Vial 1	0D02022-IBL1	E1A90127	1	Sample		
13	Vial 10	0D02022-ICV1	E1A90127	1	Sample		
14	Vial 11	0D02022-CAL8	E1A90127	1	Sample		
15	Vial 12	0D02022-CAL9	E1A90127	1	Sample		
16	Vial 13	0D02022-CALA	E1A90127	1	Sample		
17	Vial 14	0D02022-CALB	E1A90127	1	Sample		
18	Vial 15	0D02022-CALC	E1A90127	1	Sample		
19	Vial 16	0D02022-CALD	E1A90127	1	Sample		
20	Vial 17	0D02022-CALE	E1A90127	1	Sample		
21	Vial 18	0D02022-ICV2	E1A90127	1	Sample		
22	Vial 19	0D02022-ICV3	E1A90127	1	Sample		
23	Vial 20	0D02022-ICV4	E1A90127	1	Sample		
24	Vial 21	0D02022-ICV5	E1A90127	1	Sample		
25	Vial 1	Isooctane	E1A90127	1	Sample		

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4/13/20

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Isooctane	E1A90127	1	Sample		
2	Vial 51	Isooctane	E1A90127	1	Sample		
3	Vial 99	conditioning run	E1A90127	1	Sample		
4	Vial 51	Isooctane	E1A90127	1	Sample		
5	Vial 2	0D02023-ICB1	E1A90127	1	Sample		
6	Vial 3	0D02023-CAL1	E1A90127	1	Sample		
7	Vial 4	0D02023-CAL2	E1A90127	1	Sample		
8	Vial 5	0D02023-CAL3	E1A90127	1	Sample		
9	Vial 6	0D02023-CAL4	E1A90127	1	Sample		
10	Vial 7	0D02023-CAL5	E1A90127	1	Sample		
11	Vial 8	0D02023-CAL6	E1A90127	1	Sample		
12	Vial 9	0D02023-CAL7	E1A90127	1	Sample		
13	Vial 1	0D02023-IBL1	E1A90127	1	Sample		
14	Vial 10	0D02023-ICV1	E1A90127	1	Sample		
15	Vial 11	0D02023-CAL8	E1A90127	1	Sample		
16	Vial 12	0D02023-CAL9	E1A90127	1	Sample		
17	Vial 13	0D02023-CALA	E1A90127	1	Sample		
18	Vial 14	0D02023-CALB	E1A90127	1	Sample		
19	Vial 15	0D02023-CALC	E1A90127	1	Sample		
20	Vial 16	0D02023-CALD	E1A90127	1	Sample		
21	Vial 17	0D02023-CALE	E1A90127	1	Sample		
22	Vial 18	0D02023-ICV2	E1A90127	1	Sample		
23	Vial 19	0D02023-ICV3	E1A90127	1	Sample		
24	Vial 20	0D02023-ICV4	E1A90127	1	Sample		
25	Vial 21	0D02023-ICV5	E1A90127	1	Sample		

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4/13/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 8:43
 Operator : MJB / KAK
 Sample : OD02023-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:56:17 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.930	542655	16.183 ng/ml
62) S DCBP (S)	11.105	269543	11.765 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.603	38394	30.795 ng/ml
3) Aroclor 1016 (2)	7.093	63645	29.159 ng/ml
4) Aroclor 1016 (3)	7.221	30520	29.939 ng/ml
5) Aroclor 1016 (4)	7.307	32451	28.748 ng/ml
6) Aroclor 1016 (5)	7.353	35143	28.358 ng/ml
7) Aroclor 1016 (6)	7.479	35201	28.526 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.454	64747	26.276 ng/ml
42) Aroclor 1260 (2)	8.659	77173	25.663 ng/ml
43) Aroclor 1260 (3)	8.894	77929	25.333 ng/ml
44) Aroclor 1260 (4)	9.415	104771	21.976 ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 8:43
 Operator : MJB / KAK
 Sample : OD02023-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:56:17 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.707	63341	22.007 ng/ml
46) Aroclor 1260 (6)	10.344	25791	22.773 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

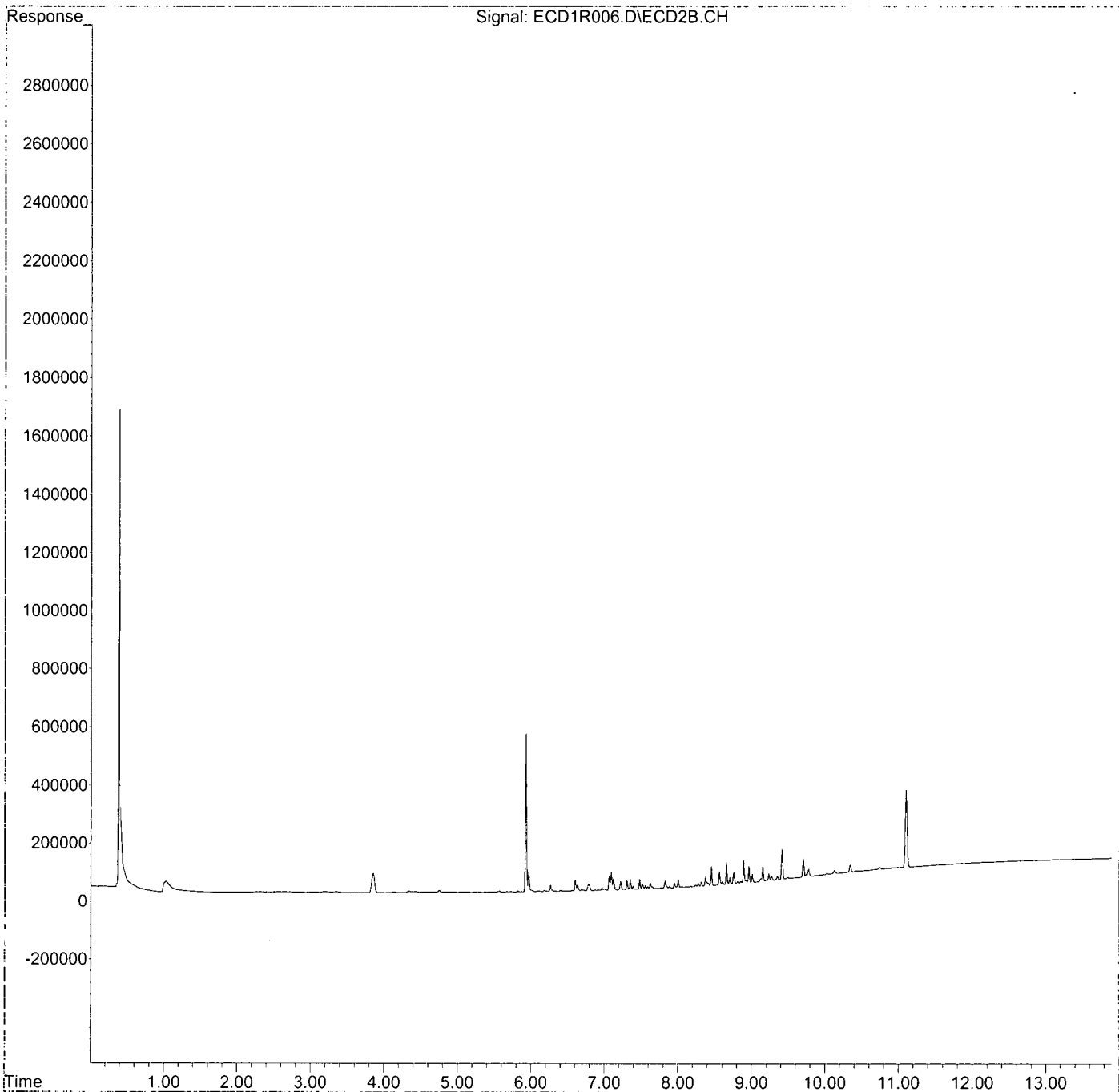
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R006.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 8:43
Operator : MJB / KAK
Sample : 0D02023-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 10:56:17 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Tue Feb 11 08:49:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:01
 Operator : MJB / KAK
 Sample : 0D02023-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:57:15 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.931	1369884	40.852 ng/ml
62) S DCBP (S)	11.106	683403	29.828 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.604	88638	71.095 ng/ml
3) Aroclor 1016 (2)	7.094	146041	66.910 ng/ml
4) Aroclor 1016 (3)	7.222	72511	71.131 ng/ml
5) Aroclor 1016 (4)	7.308	76926	68.147 ng/ml
6) Aroclor 1016 (5)	7.354	84229	67.968 ng/ml
7) Aroclor 1016 (6)	7.480	83347	67.542 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.455	154333	62.633 ng/ml
42) Aroclor 1260 (2)	8.660	186600	62.052 ng/ml
43) Aroclor 1260 (3)	8.895	192294	62.510 ng/ml
44) Aroclor 1260 (4)	9.416	267350	56.078 ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:01
 Operator : MJB / KAK
 Sample : OD02023-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:57:15 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.707	158537	55.082 ng/ml
46) Aroclor 1260 (6)	10.343	62996	55.624 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

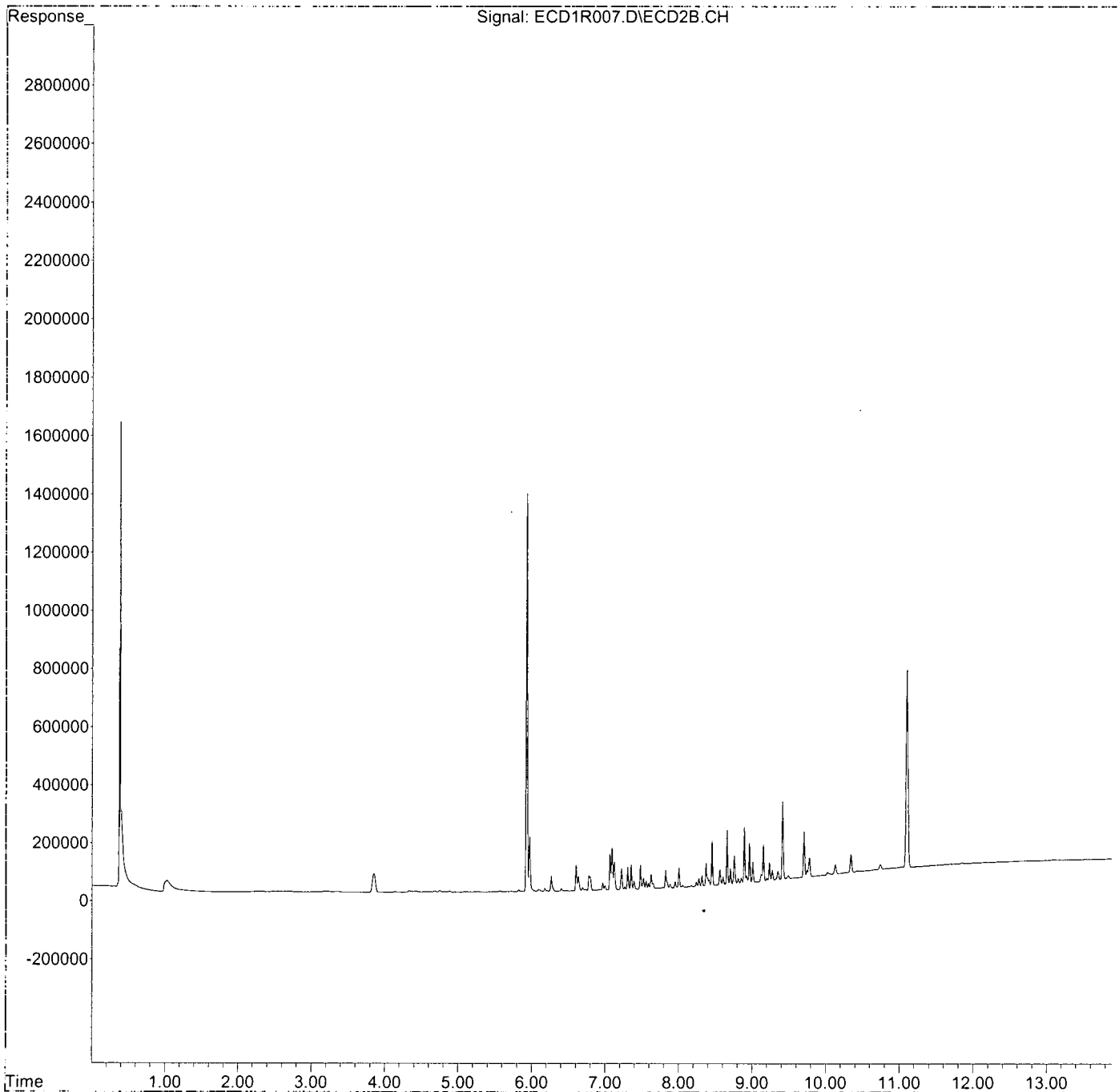
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R007.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:01
Operator : MJB / KAK
Sample : 0D02023-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 10:57:15 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Tue Feb 11 08:49:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:19
 Operator : MJB / KAK
 Sample : 0D02023-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:57:57 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.930	2723049	81.206 ng/ml
62) S DCBP (S)	11.103	1314930	57.393 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.603	164891	132.255 ng/ml
3) Aroclor 1016 (2)	7.093	291234	133.431 ng/ml
4) Aroclor 1016 (3)	7.221	139461	136.806 ng/ml
5) Aroclor 1016 (4)	7.307	140274	124.267 ng/ml
6) Aroclor 1016 (5)	7.353	153389	123.775 ng/ml
7) Aroclor 1016 (6)	7.479	151938	123.128 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.454	298969	121.331 ng/ml
42) Aroclor 1260 (2)	8.659	352515	117.226 ng/ml
43) Aroclor 1260 (3)	8.894	354466	115.229 ng/ml
44) Aroclor 1260 (4)	9.415	536623	112.559 ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:19
 Operator : MJB / KAK
 Sample : 0D02023-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:57:57 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.706	304020	105.627 ng/ml
46) Aroclor 1260 (6)	10.343	119168	105.223 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

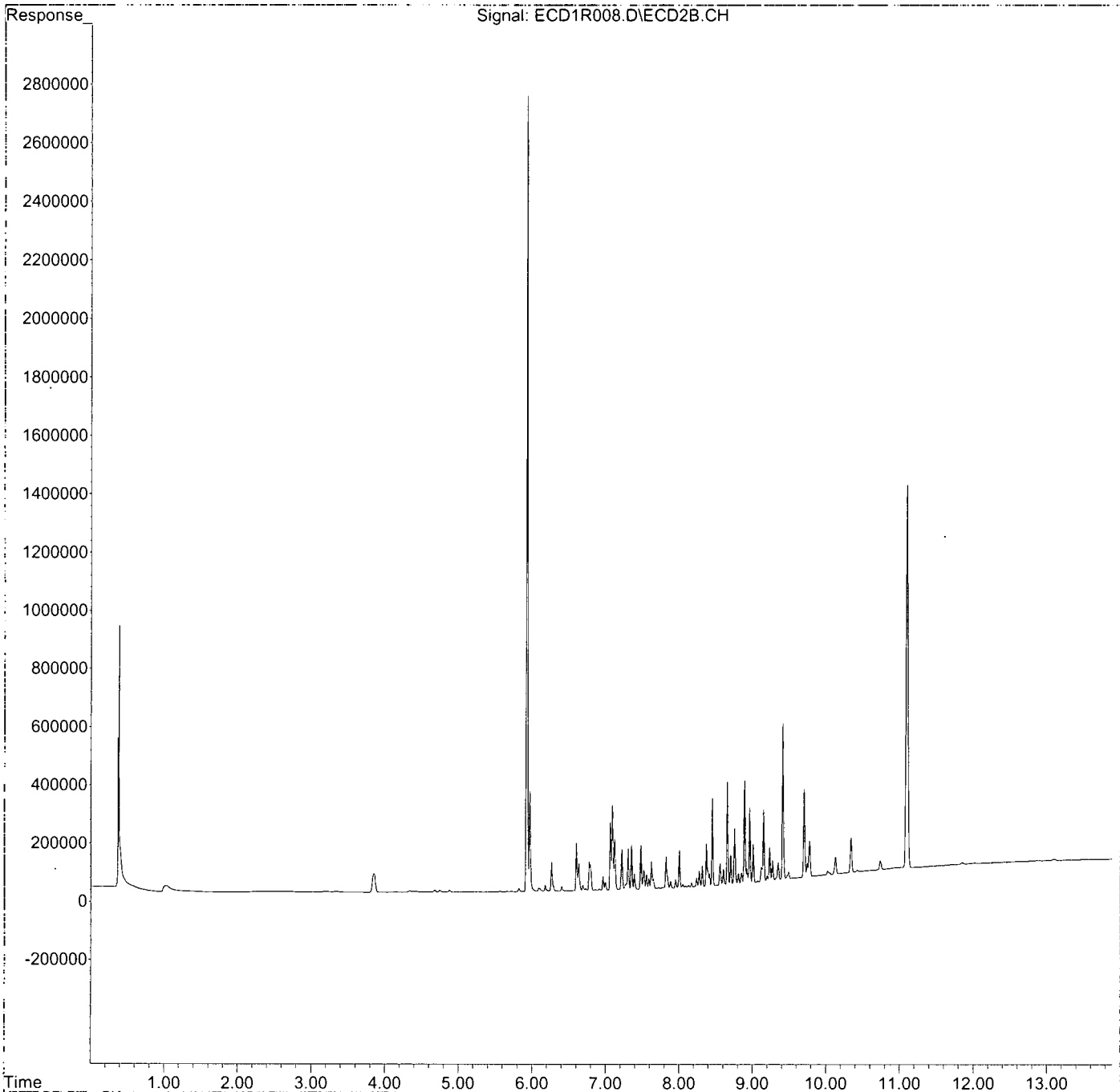
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\OD02023\
Data File : ECD1R008.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:19
Operator : MJB / KAK
Sample : OD02023-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 10:57:57 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Tue Feb 11 08:49:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\OD02023\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:38
 Operator : MJB / KAK
 Sample : OD02023-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:58:40 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.932	5188551	154.732	ng/ml
62) S DCBP (S)	11.108	2523773	110.155	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.605	307827	246.901	ng/ml
3) Aroclor 1016 (2)	7.095	568867	260.630	ng/ml
4) Aroclor 1016 (3)	7.223	274122	268.904	ng/ml
5) Aroclor 1016 (4)	7.309	263273	233.231	ng/ml
6) Aroclor 1016 (5)	7.355	290536	234.443	ng/ml
7) Aroclor 1016 (6)	7.481	292991	237.434	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	552768	224.331	ng/ml
42) Aroclor 1260 (2)	8.662	708323	235.546	ng/ml
43) Aroclor 1260 (3)	8.896	720487	234.214	ng/ml
44) Aroclor 1260 (4)	9.417	1064998	223.388	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:38
 Operator : MJB / KAK
 Sample : OD02023-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 10:58:40 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.709	614239	213.409 ng/ml
46) Aroclor 1260 (6)	10.346	236999	209.266 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

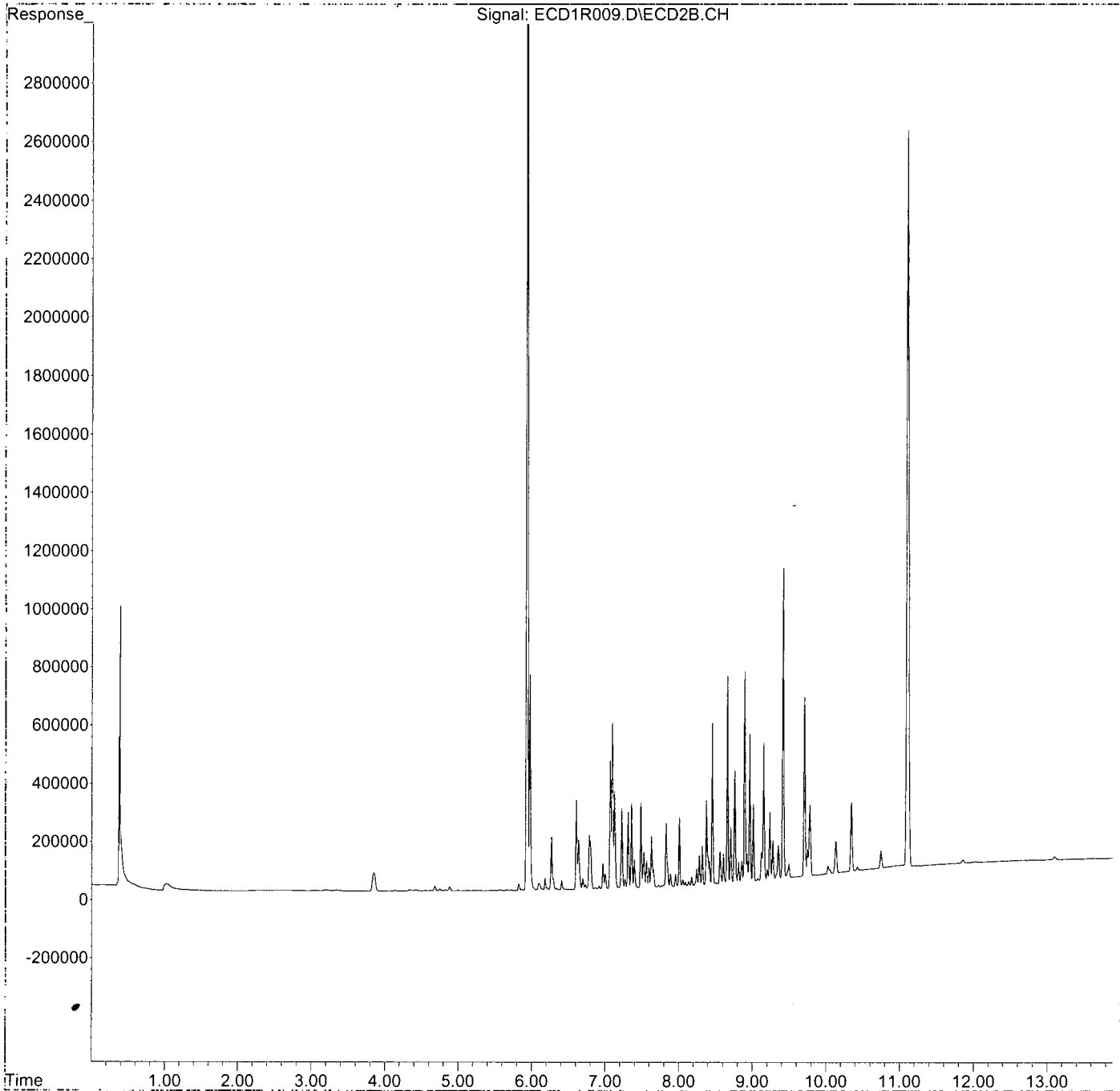
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R009.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:38
Operator : MJB / KAK
Sample : 0D02023-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 10:58:40 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Tue Feb 11 08:49:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:56
 Operator : MJB / KAK
 Sample : 0D02023-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:03:55 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.933	11241342	335.236 ng/ml
62) S DCBP (S)	11.107	5919462	258.366 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.605	699829	561.316 ng/ml
3) Aroclor 1016 (2)	7.095	1378528	631.582 ng/ml
4) Aroclor 1016 (3)	7.224	639140	626.875 ng/ml
5) Aroclor 1016 (4)	7.310	614993	544.815 ng/ml
6) Aroclor 1016 (5)	7.356	686901	554.284 ng/ml
7) Aroclor 1016 (6)	7.482	698015	565.658 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 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.457	1394376	565.883 ng/ml
42) Aroclor 1260 (2)	8.662	1705400	567.115 ng/ml
43) Aroclor 1260 (3)	8.896	1807413	587.549 ng/ml
44) Aroclor 1260 (4)	9.417	2591435	543.564 ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 9:56
 Operator : MJB / KAK
 Sample : OD02023-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:03:55 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.709	1568868	545.081 ng/ml
46) Aroclor 1260 (6)	10.346	621301	548.597 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

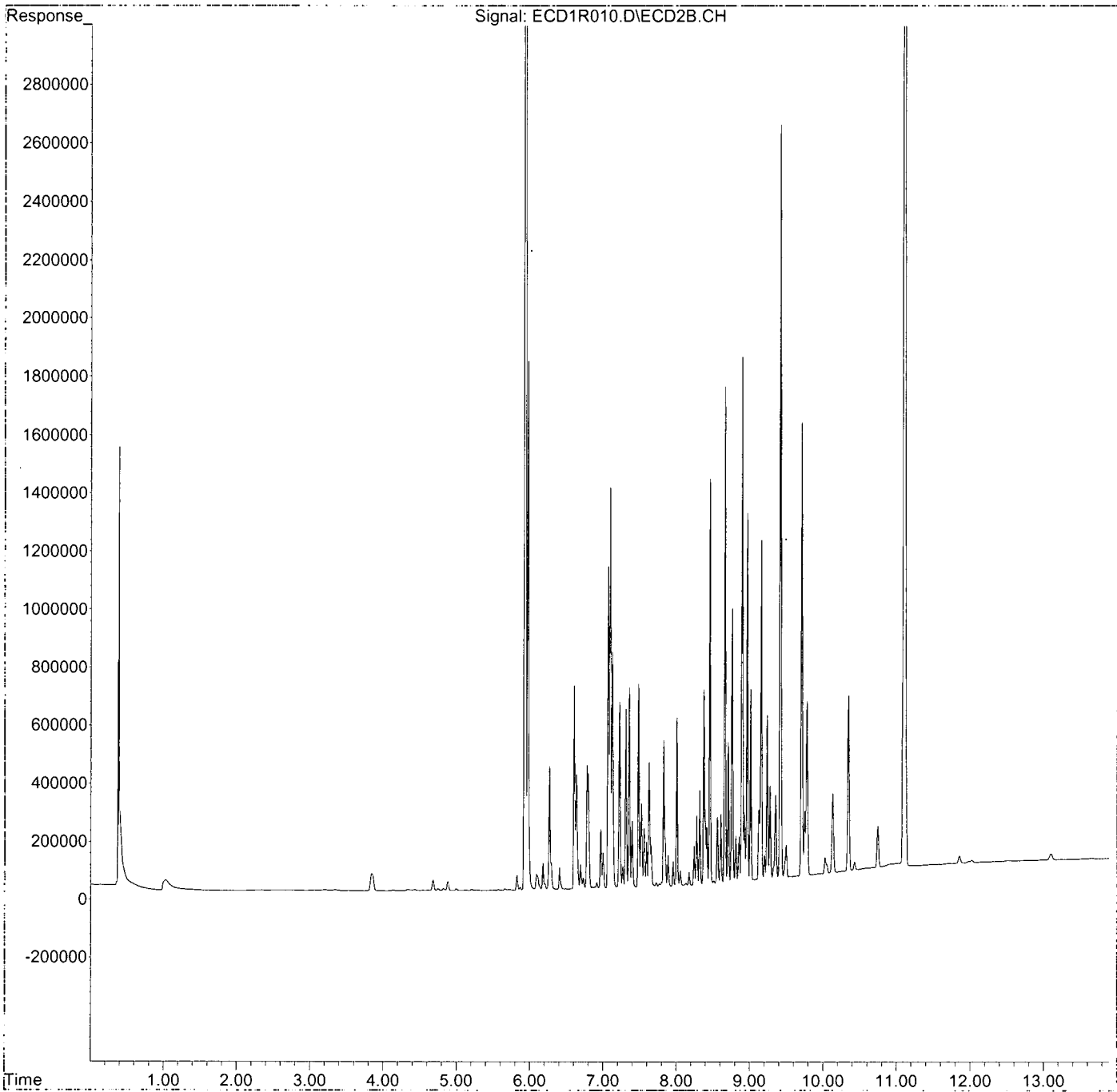
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R010.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 9:56
Operator : MJB / KAK
Sample : 0D02023-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 11:03:55 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Tue Feb 11 08:49:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:14
 Operator : MJB / KAK
 Sample : 0D02023-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:00:03 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.934	24235592	722.747 ng/ml
62) S DCBP (S)	11.109	12604764	550.159 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.606	1393349	1117.573 ng/ml
3) Aroclor 1016 (2)	7.095	2628708	1204.360 ng/ml
4) Aroclor 1016 (3)	7.223	1220250	1197.024 ng/ml
5) Aroclor 1016 (4)	7.309	1181398	1046.587 ng/ml
6) Aroclor 1016 (5)	7.356	1330520	1073.643 ng/ml
7) Aroclor 1016 (6)	7.482	1373608	1113.146 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.457	2704807	1097.698 ng/ml
42) Aroclor 1260 (2)	8.662	3304150	1098.765 ng/ml
43) Aroclor 1260 (3)	8.897	3434385	1116.440 ng/ml
44) Aroclor 1260 (4)	9.418	5140456	1078.231 ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:14
 Operator : MJB / KAK
 Sample : 0D02023-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:00:03 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.709	3045730	1058.196 ng/ml
46) Aroclor 1260 (6)	10.346	1125838	994.092 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

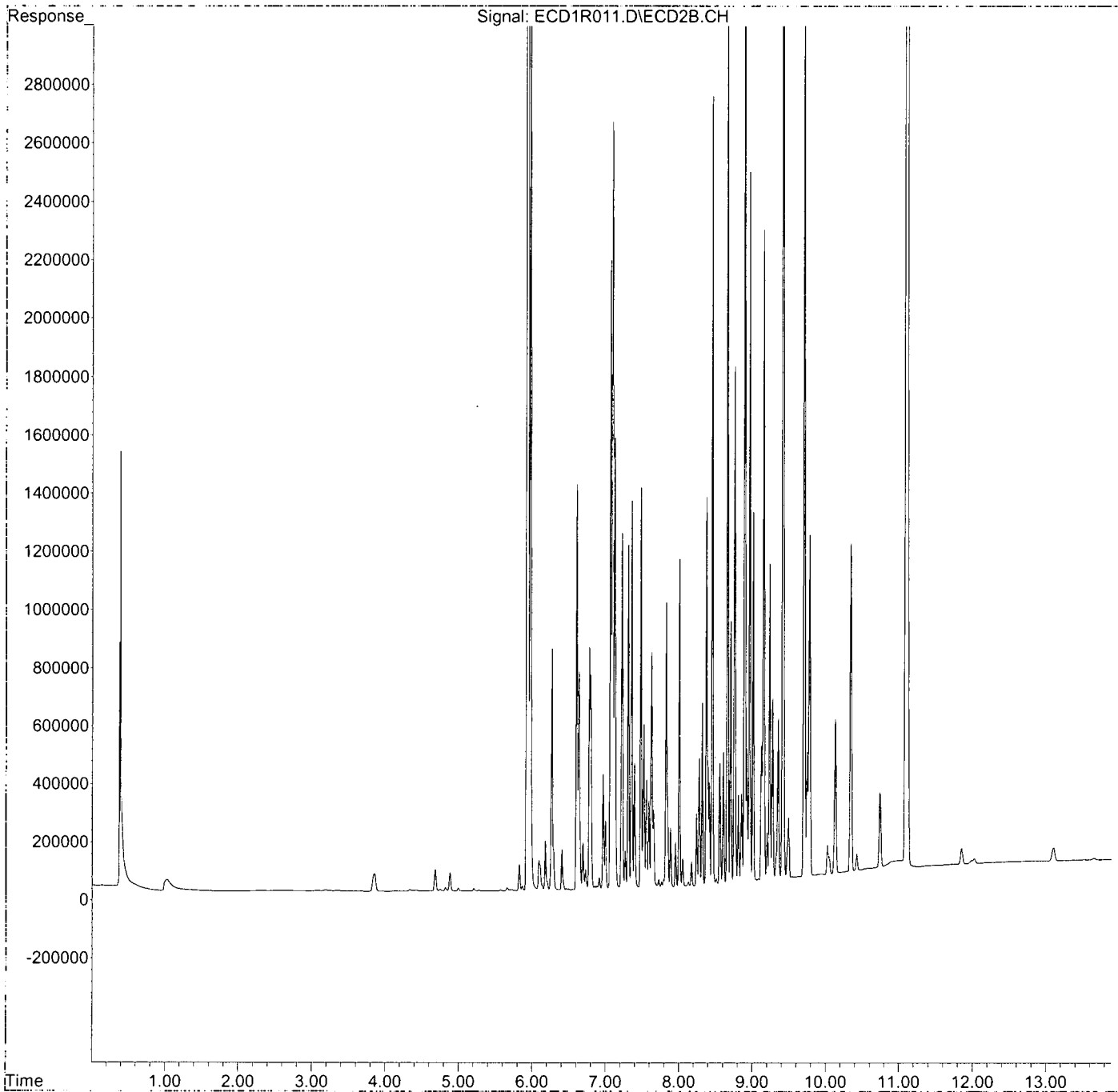
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R011.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 10:14
Operator : MJB / KAK
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
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Quant Title : PCB Data Analysis
QLast Update : Tue Feb 11 08:49:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R012.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:32
 Operator : MJB / KAK
 Sample : 0D02023-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:00:46 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/12/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.934	39138382	1167.174	ng/ml
62) S DCBP (S)	11.107	20661155	901.795	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.605	2054689	1648.019	ng/ml
3) Aroclor 1016 (2)	7.095	4048145	1854.684	ng/ml
4) Aroclor 1016 (3)	7.223	1888507	1852.560	ng/ml
5) Aroclor 1016 (4)	7.309	1745590	1546.397	ng/ml
6) Aroclor 1016 (5)	7.355	1947956	1571.873	ng/ml
7) Aroclor 1016 (6)	7.482	1995444	1617.070	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.457	4043160	1640.846	ng/ml
42) Aroclor 1260 (2)	8.661	4903294	1630.545	ng/ml
43) Aroclor 1260 (3)	8.896	5356997	1741.437	ng/ml
44) Aroclor 1260 (4)	9.418	7729009	1621.190	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R012.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 10:32
 Operator : MJB / KAK
 Sample : 0D02023-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:00:46 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Feb 11 08:49:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.709	4528359	1573.315	ng/ml
46) Aroclor 1260 (6)	10.345	1747673	1543.161	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

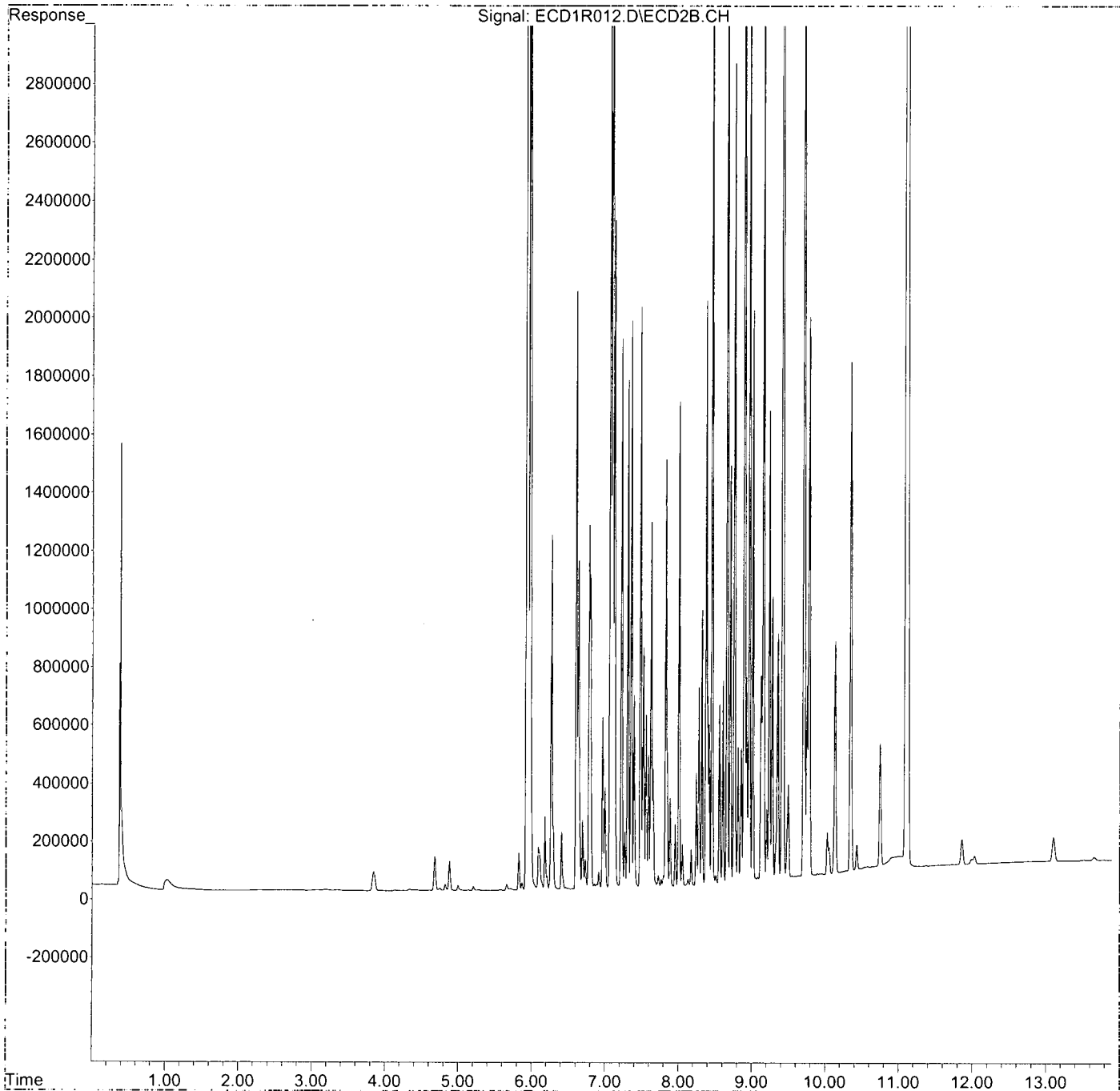
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R012.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 10:32
Operator : MJB / KAK
Sample : 0D02023-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 11:00:46 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Tue Feb 11 08:49:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R015.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 11:27
 Operator : MJB / KAK
 Sample : OD02023-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:57:27 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 11:56:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.111	197247	669.687	ng/ml
10) Aroclor 1221 (2)	6.183	195051	681.989	ng/ml
11) Aroclor 1221 (3)	6.270	640023	683.600	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Handwritten signature and date: 4/2/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R015.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 11:27
 Operator : MJB / KAK
 Sample : OD02023-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 11:57:27 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 11:56:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

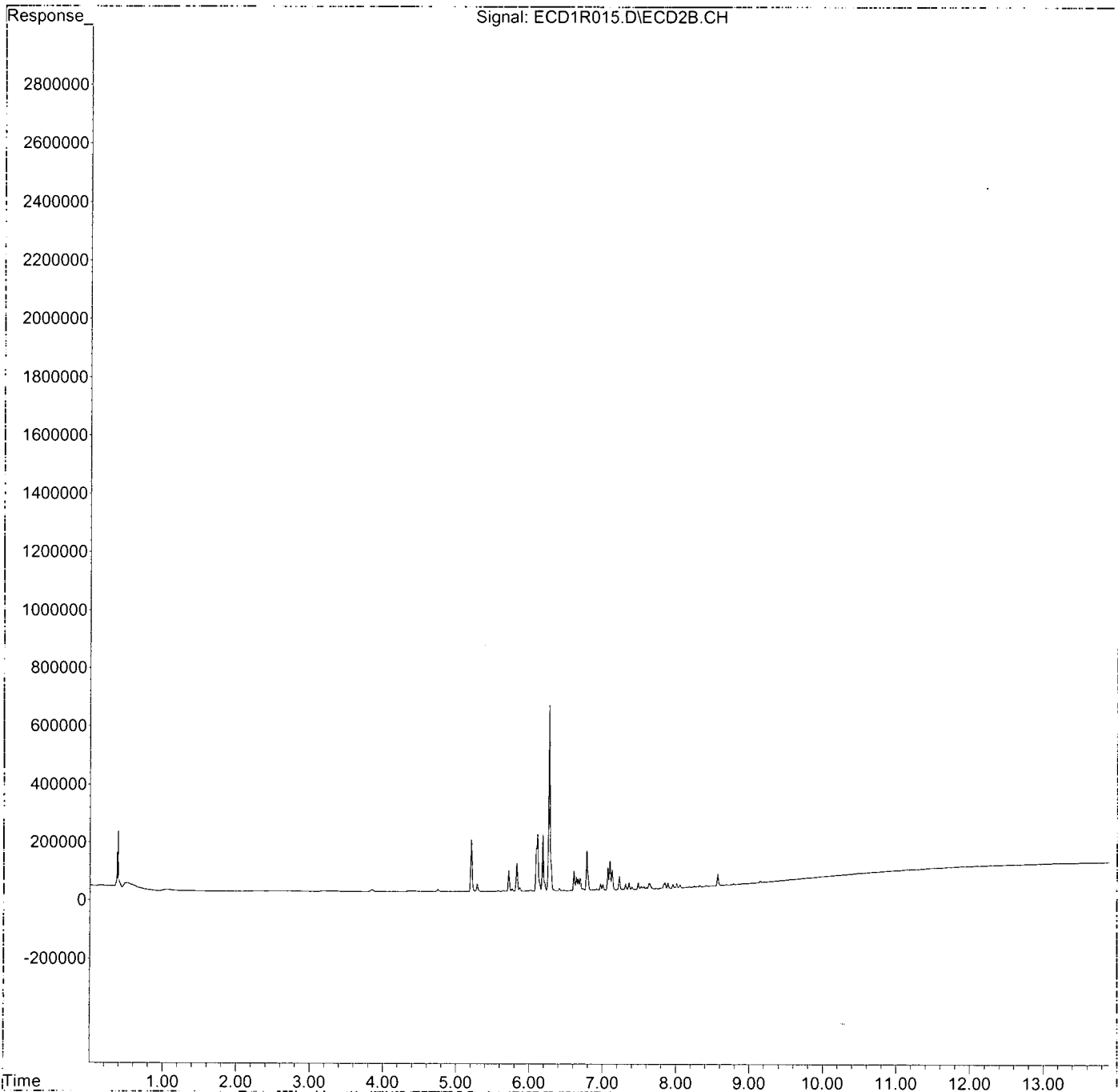
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R015.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 11:27
Operator : MJB / KAK
Sample : 0D02023-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 11:57:27 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 11:56:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise, peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R016.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 11:46
 Operator : MJB / KAK
 Sample : 0D02023-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 12:09:51 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 12:08:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.269	511952	672.046	ng/ml
14) Aroclor 1232 (2)	6.606	310031	623.768	ng/ml
15) Aroclor 1232 (3)	7.096	570173	653.500	ng/ml
16) Aroclor 1232 (4)	7.225	269385	649.450	ng/ml
17) Aroclor 1232 (5)	7.311	215735	559.283	ng/ml
18) Aroclor 1232 (6)	7.483	261781	583.644	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

4/2/20

Data Path : I:\DATA\0D02023\
 Data File : ECD1R016.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 11:46
 Operator : MJB / KAK
 Sample : 0D02023-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 12:09:51 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 12:08:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

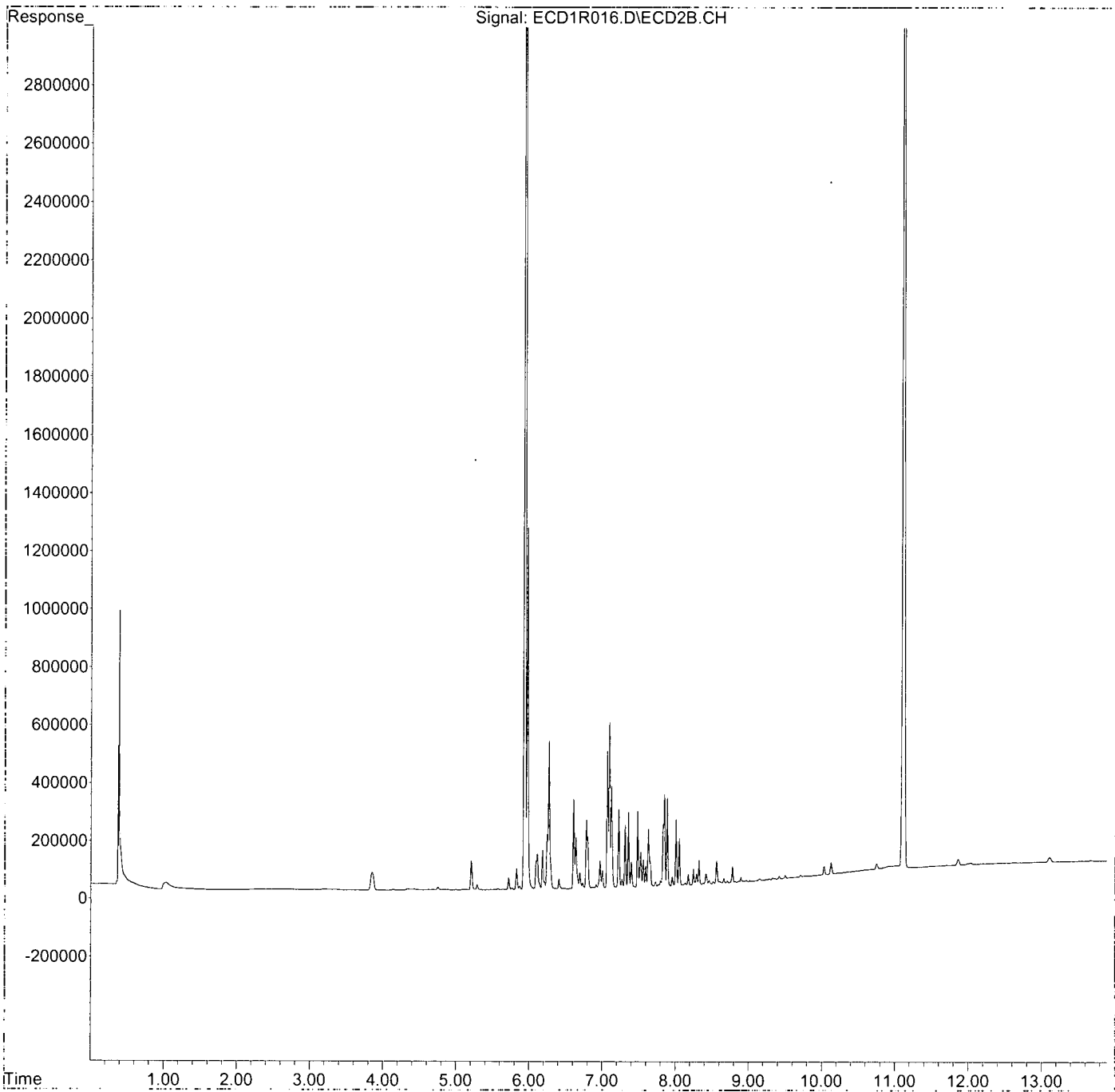
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R016.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 11:46
Operator : MJB / KAK
Sample : 0D02023-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 12:09:51 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 12:08:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\OD02023\
 Data File : ECD1R017.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:04
 Operator : MJB / KAK
 Sample : OD02023-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 12:32:17 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 12:31:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.606	582076	623.835	ng/ml
21) Aroclor 1242 (2)	7.097	1041867	591.876	ng/ml
22) Aroclor 1242 (3)	7.225	491105	616.024	ng/ml
23) Aroclor 1242 (4)	7.311	456128	554.645	ng/ml
24) Aroclor 1242 (5)	7.357	531457	540.598	ng/ml
25) Aroclor 1242 (6)	7.483	540361	556.471	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R017.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:04
 Operator : MJB / KAK
 Sample : 0D02023-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 12:32:17 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 12:31:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

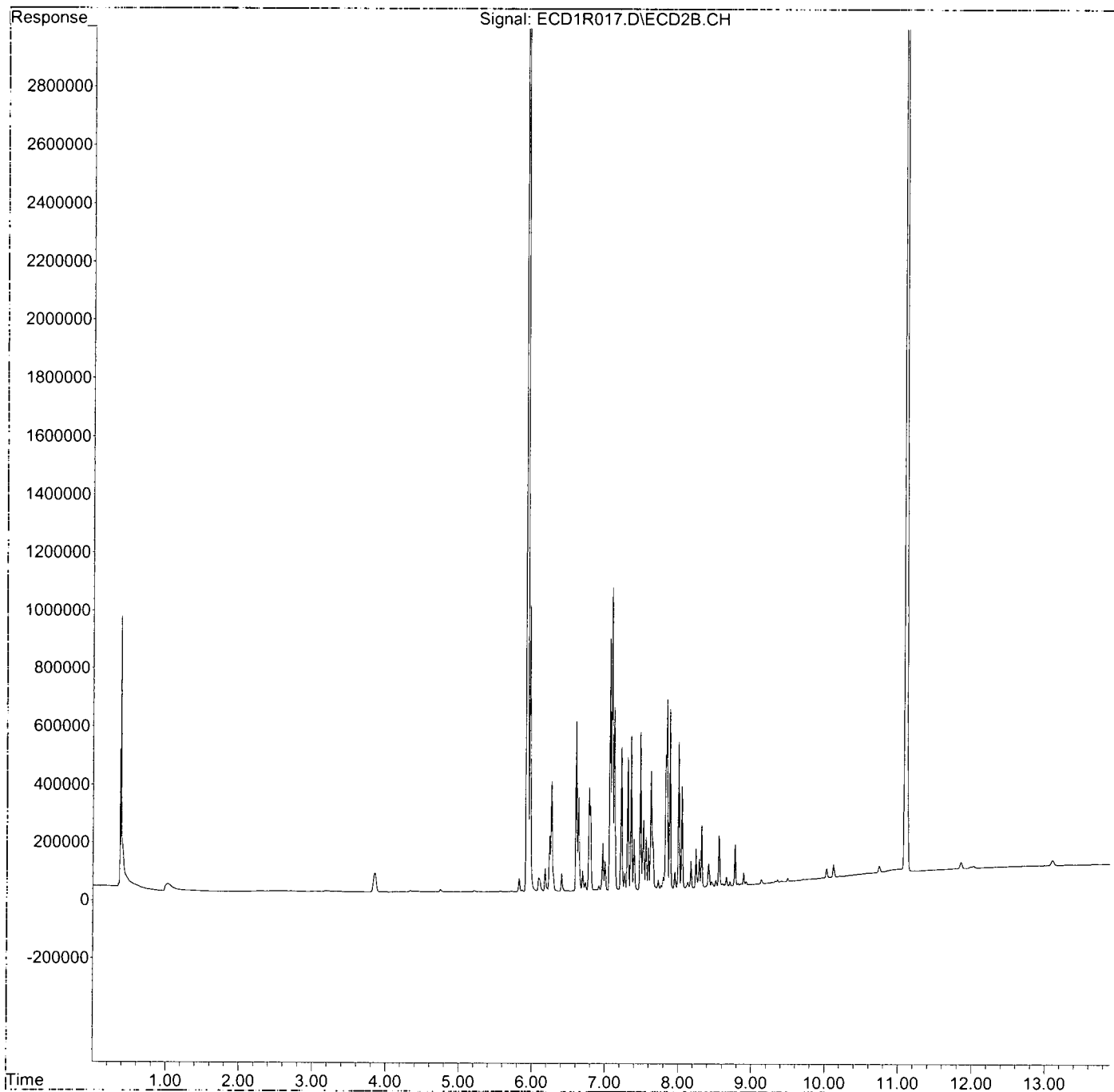
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R017.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 12:04
Operator : MJB / KAK
Sample : 0D02023-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 12:32:17 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 12:31:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R018.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:22
 Operator : MJB / KAK
 Sample : 0D02023-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 12:51:36 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 12:50:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.065	639169	618.557	ng/ml
28) Aroclor 1248 (2)	7.308	820116	560.957	ng/ml
29) Aroclor 1248 (3)	7.354	779012	590.342	ng/ml
30) Aroclor 1248 (4)	7.481	929833	569.871	ng/ml
31) Aroclor 1248 (5)	7.845	1186379	580.962	ng/ml
32) Aroclor 1248 (6)	8.005	997997	570.881	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Handwritten signature
 4/2/20

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R018.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:22
 Operator : MJB / KAK
 Sample : 0D02023-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 12:51:36 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 12:50:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

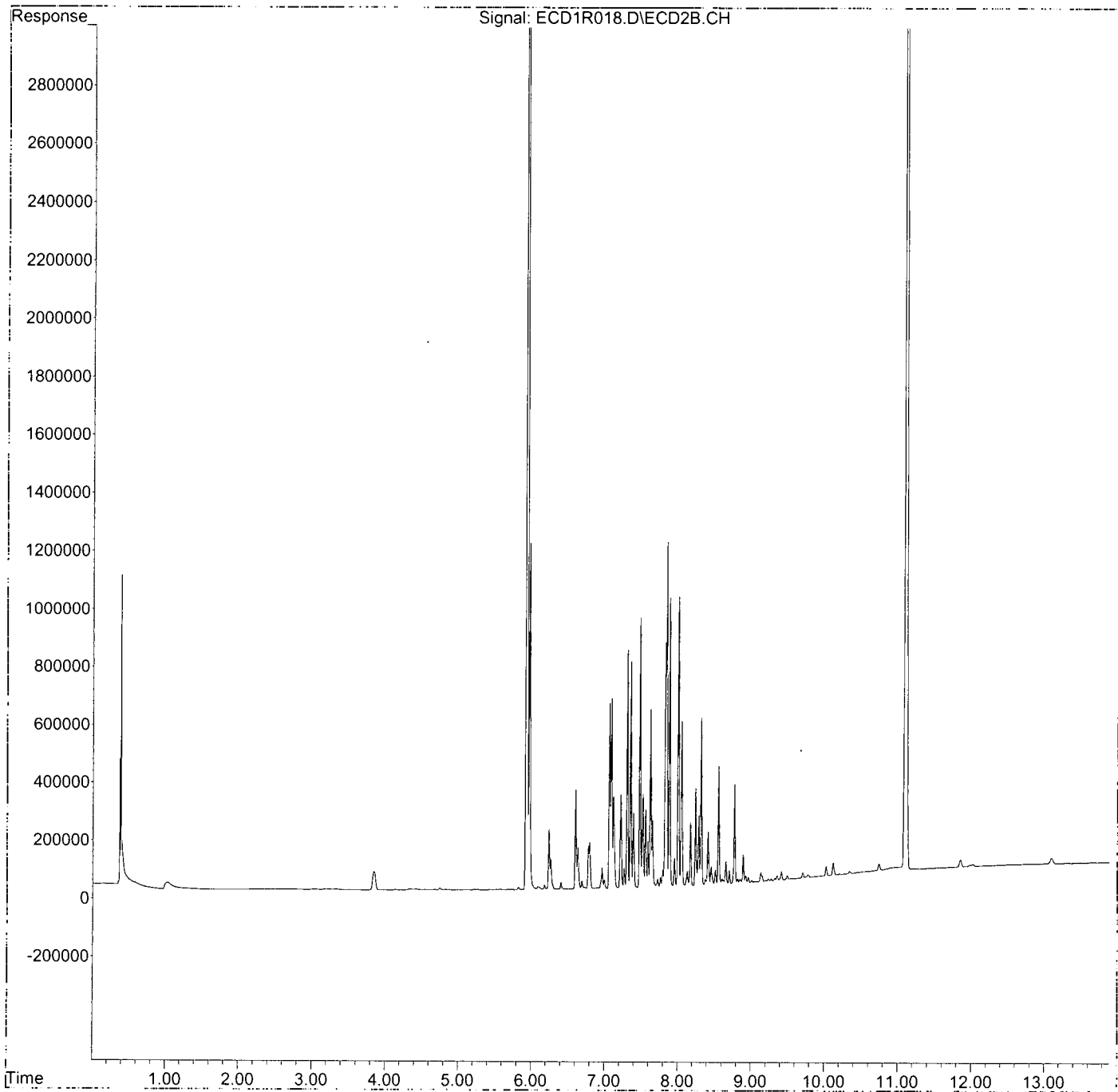
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R018.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 12:22
Operator : MJB / KAK
Sample : 0D02023-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 12:51:36 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 12:50:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R019.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:40
 Operator : MJB / KAK
 Sample : 0D02023-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 13:11:36 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:10:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.829	1174853	517.673	ng/ml
35) Aroclor 1254 (2)	8.010	1777103	479.195	ng/ml
36) Aroclor 1254 (3)	8.322	1900193	499.836	ng/ml
37) Aroclor 1254 (4)	8.560	1419019	493.445	ng/ml
38) Aroclor 1254 (5)	8.898	1467866	492.015	ng/ml
39) Aroclor 1254 (6)	9.139	416558	475.687	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Data Path : I:\DATA\0D02023\
 Data File : ECD1R019.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:40
 Operator : MJB / KAK
 Sample : 0D02023-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 13:11:36 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:10:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

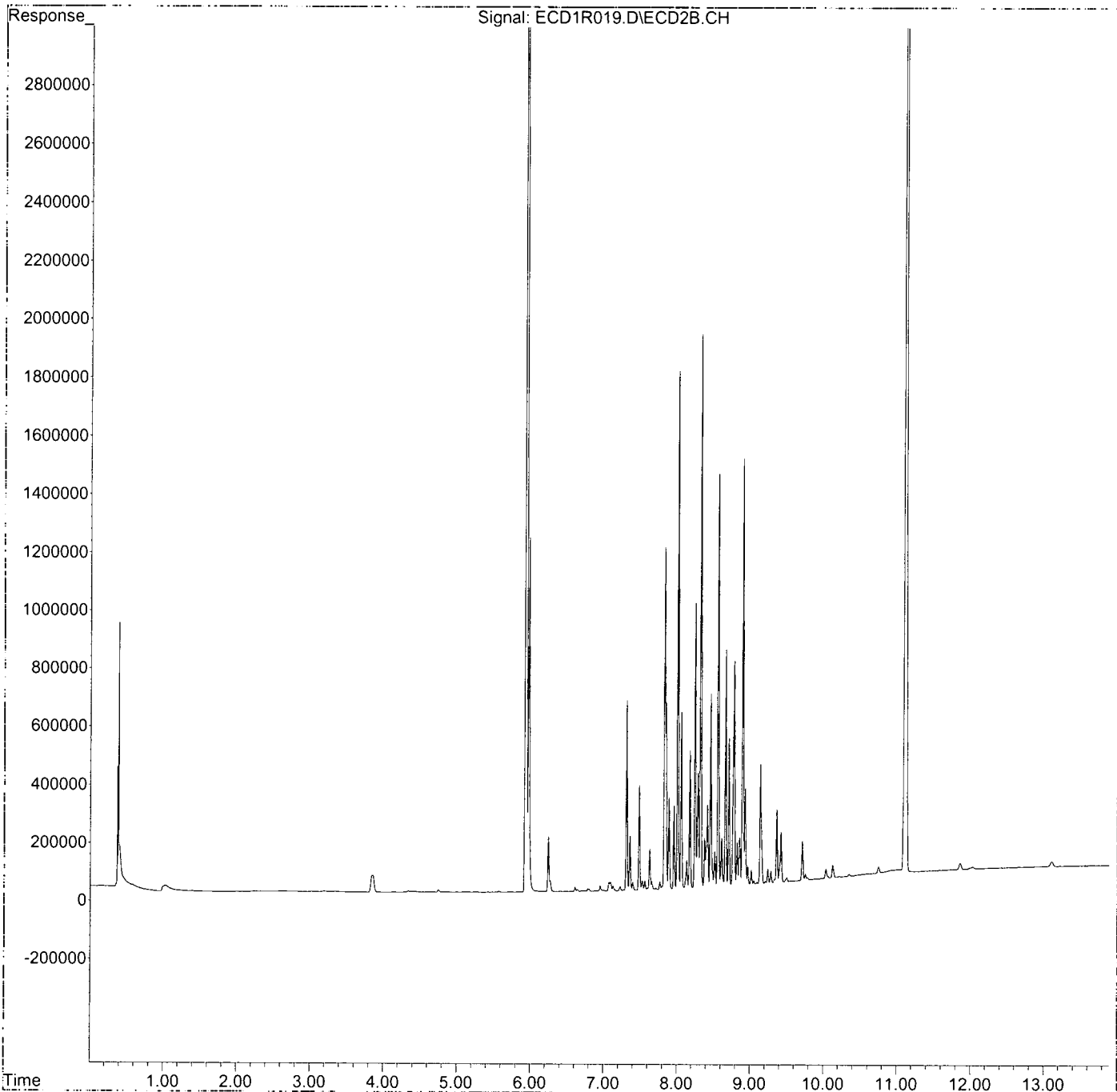
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R019.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 12:40
Operator : MJB / KAK
Sample : 0D02023-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 13:11:36 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:10:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0D02023\
 Data File : ECD1R020.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:59
 Operator : MJB / KAK
 Sample : 0D02023-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 13:27:11 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:25:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R020.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 12:59
 Operator : MJB / KAK
 Sample : 0D02023-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 13:27:11 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:25:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	8.662	1363936	548.347	ng/ml
49) Aroclor 1262 (2)	8.967	1876274	527.454	ng/ml
50) Aroclor 1262 (3)	9.157	1360576	481.026	ng/ml
51) Aroclor 1262 (4)	9.418	2925537	478.103	ng/ml
52) Aroclor 1262 (5)	9.711	1764848	471.986	ng/ml
53) Aroclor 1262 (6)	10.346	800500	489.961	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

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 4/2/20

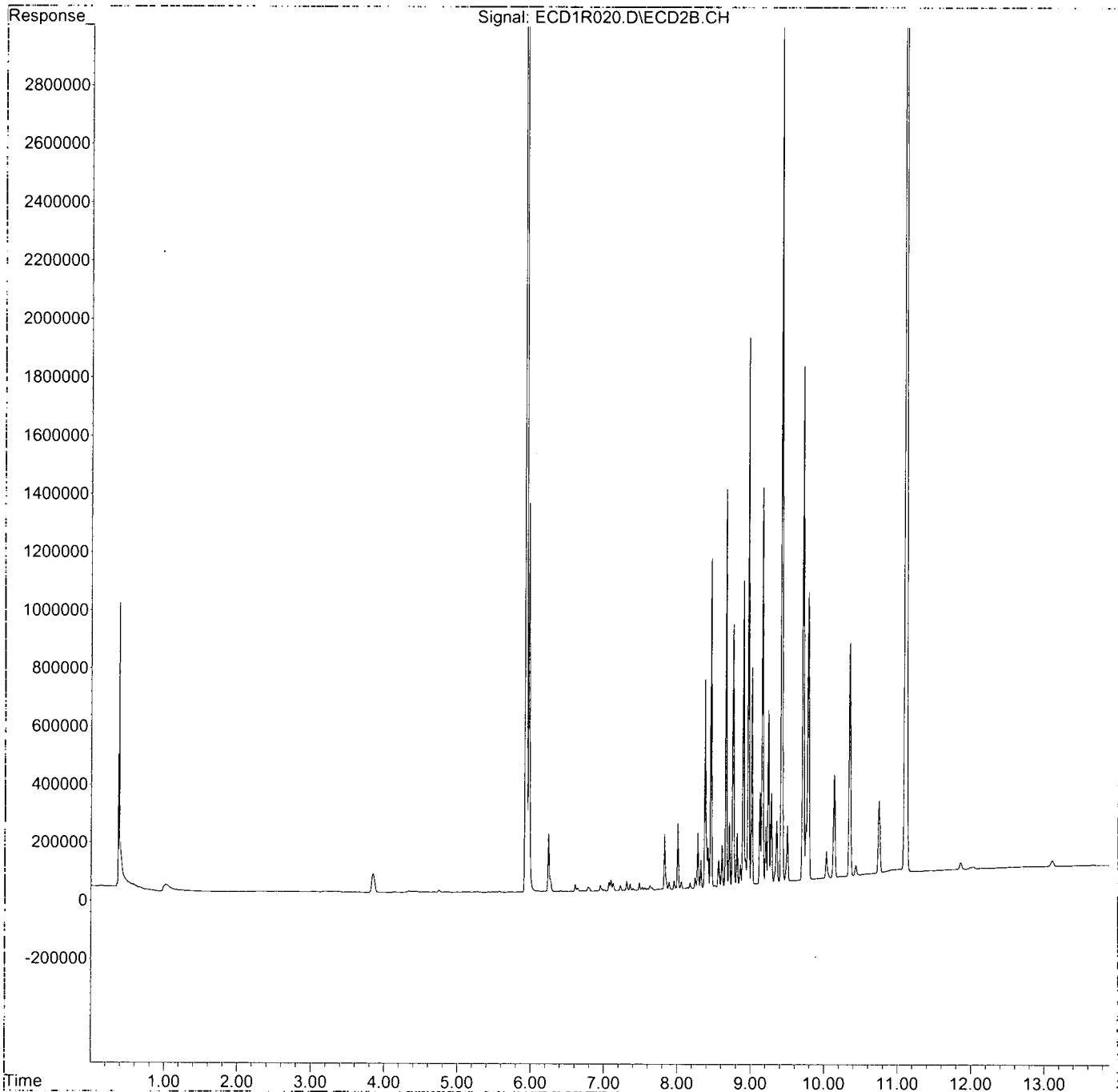
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : I:\DATA\0D02023\
Data File : ECD1R020.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 12:59
Operator : MJB / KAK
Sample : 0D02023-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 13:27:11 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:25:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : I:\DATA\0D02023\
 Data File : ECD1R021.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 13:17
 Operator : MJB / KAK
 Sample : 0D02023-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 13:51:01 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:49:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/2/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
 Data File : ECD1R021.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Apr 2020 13:17
 Operator : MJB / KAK
 Sample : 0D02023-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 02 13:51:01 2020
 Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Apr 02 13:49:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	9.202	808634	550.405	ng/ml
56) Aroclor 1268 (2)	9.711	3353596	536.914	ng/ml
57) Aroclor 1268 (3)	9.784	2726672	566.590	ng/ml
58) Aroclor 1268 (4)	10.028	2378852	543.007	ng/ml
59) Aroclor 1268 (5)	10.345	970522	565.045	ng/ml
60) Aroclor 1268 (6)	10.747	5993919	534.803	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

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 4/2/20

(f)=RT Delta > 1/2 Window

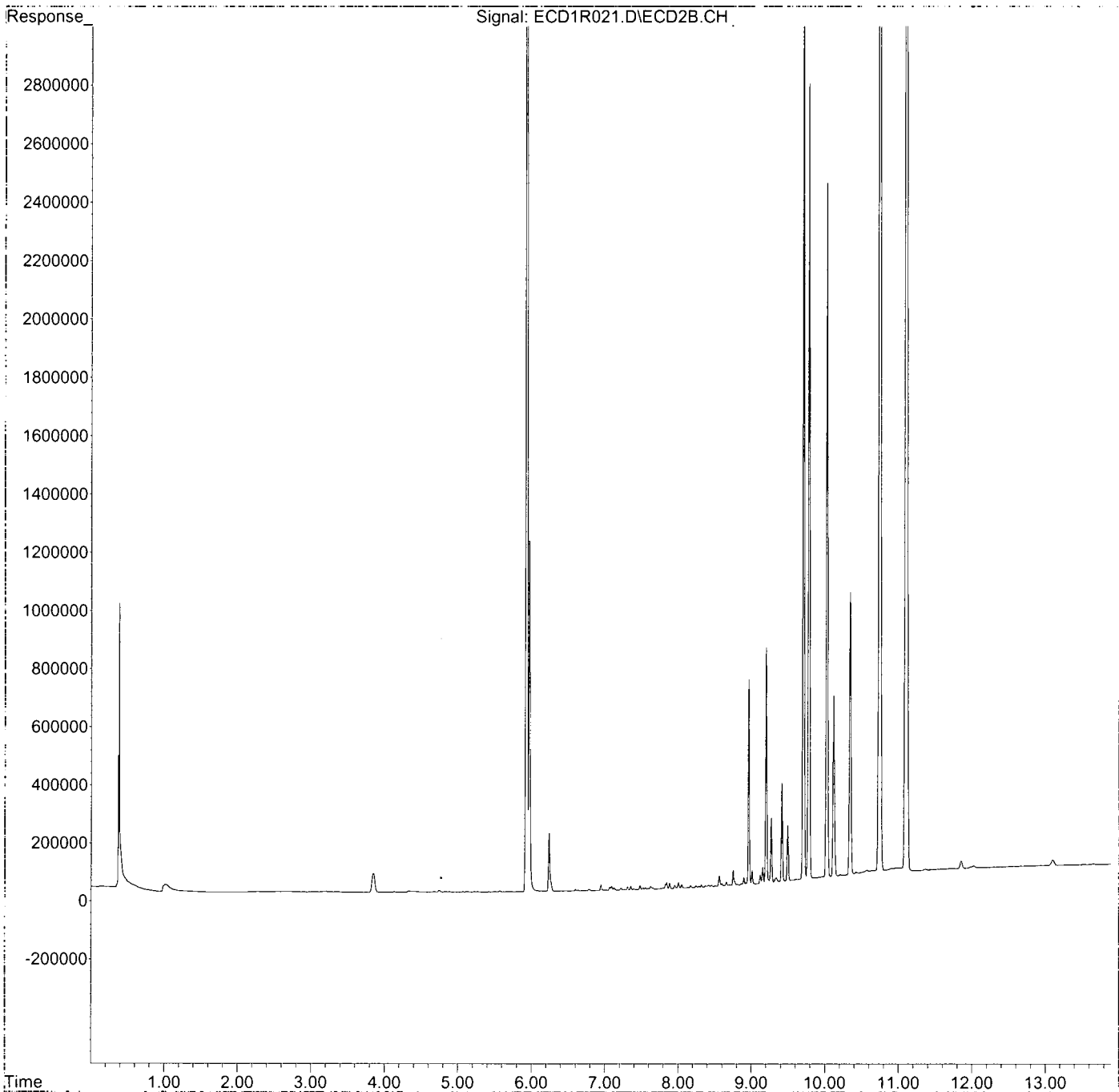
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\DATA\0D02023\
Data File : ECD1R021.D
Signal(s) : ECD2B.CH
Acq On : 02 Apr 2020 13:17
Operator : MJB / KAK
Sample : 0D02023-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 02 13:51:01 2020
Quant Method : J:\METHODS\RECD1_QUANTPCB_200402.M
Quant Title : PCB Data Analysis
QLast Update : Thu Apr 02 13:49:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0F02063 (Cal ID A0F0306) DUALECD2R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F02063

Instrument: DUALECD2R

Date: 06/02/20 15:37

Calibration: A0F0306

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD.ID	STD.ID
1	0F02063-ICB1	Water	QC	QC				A20E115
2	0F02063-CAL1	Water	QC	QC				A19L280
3	0F02063-CAL2	Water	QC	QC				A19L281
4	0F02063-CAL3	Water	QC	QC				A19L282
5	0F02063-CAL4	Water	QC	QC				A19L283
6	0F02063-CAL5	Water	QC	QC				A19L276
7	0F02063-CAL6	Water	QC	QC				A19L278
8	0F02063-CAL7	Water	QC	QC				A19L279
9	0F02063-IBL1	Water	QC	QC				
10	0F02063-ICV1	Water	QC	QC				A20B355
11	0F02063-CAL8	Water	QC	QC				A20C117
12	0F02063-CAL9	Water	QC	QC				A20B322
13	0F02063-CALA	Water	QC	QC				A20B323
14	0F02063-CALB	Water	QC	QC				A20B324
15	0F02063-CALC	Water	QC	QC				A20B325
16	0F02063-CALD	Water	QC	QC				A20B326
17	0F02063-CALE	Water	QC	QC				A20B327
18	0F02063-ICV2	Water	QC	QC				A20B353
19	0F02063-ICV3	Water	QC	QC				A20D351
20	0F02063-ICV4	Water	QC	QC				A20B354
21	0F02063-ICV5	Water	QC	QC				A20B130

Data Entered By/Date: KAK 6/3/2020

Comments:

Data Reviewed By/Date: MKZ 6/5/2020

6/3/2020 4:46:58PM

Calibration Status Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200602.M
 Title : PCB Data Analysis
 Last Update : Wed Jun 03 14:12:52 2020
 Response Via : Initial Calibration

KAK 6/3/2020

#	ID	Conc	ISTD Conc	Path\File	Cal: A0F0306
1	1	10	0	K:\DATA\0F02063-CAL\ECD2R003.D	
2	2	25	0	K:\DATA\0F02063-CAL\ECD2R004.D	
3	3	50	0	K:\DATA\0F02063-CAL\ECD2R005.D	
4	4	100	0	K:\DATA\0F02063-CAL\ECD2R006.D	
5	5	250	0	K:\DATA\0F02063-CAL\ECD2R018.D	
6	6	500	0	K:\DATA\0F02063-CAL\ECD2R008.D	
7	7	800	0	K:\DATA\0F02063-CAL\ECD2R009.D	

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jun 03 14:05 2020	Jun 03 11:46 2020	02 Jun 2020 4:56 pm
2	2	Jun 03 14:05 2020	Jun 03 11:47 2020	02 Jun 2020 5:13 pm
3	3	Jun 03 14:05 2020	Jun 03 13:24 2020	02 Jun 2020 5:31 pm
4	4	Jun 03 14:05 2020	Jun 03 13:25 2020	02 Jun 2020 5:48 pm
5	5	Jun 03 14:07 2020	Jun 03 14:04 2020	02 Jun 2020 9:20 pm
6	6	Jun 03 14:06 2020	Jun 03 13:27 2020	02 Jun 2020 6:24 pm
7	7	Jun 03 14:06 2020	Jun 03 13:29 2020	02 Jun 2020 6:41 pm

RECD2_QUANTPCB_200602.M Wed Jun 03 14:41:19 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200602.M
 Title : PCB Data Analysis
 Last Update : Wed Jun 03 14:12:52 2020
 Response Via : Initial Calibration

KAK 6/3/2020

Calibration Files

1 =ECD2R003.D 2 =ECD2R004.D 3 =ECD2R005.D
 4 =ECD2R006.D 5 =ECD2R018.D 6 =ECD2R008.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	1.851	2.016	2.005	2.118	2.042	2.333	2.127	E5 10.71
2) Aroclor 1016 ...	4.713	4.409	4.008	3.857	3.649	3.486	3.961	E3 11.44 ✓
3) Aroclor 1016 ...	9.333	9.071	8.575	8.780	8.595	8.614	8.872	E3 3.45 ✓
4) Aroclor 1016 ...	5.165	5.005	4.676	4.649	4.507	4.344	4.713	E3 6.00 ✓
5) Aroclor 1016 ...	3.694	3.305	3.019	2.884	2.732	2.523	2.979	E3 13.55 ✓
6) Aroclor 1016 ...	4.466	4.018	3.668	3.569	3.436	3.205	3.679	E3 11.69 ✓
7) Aroclor 1016 (6)	4.489	4.330	3.897	3.893	3.734	3.472	3.923	E3 9.33 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.302		1.302	E3 0.00
10) Aroclor 1221 (2)					1.256		1.256	E3 0.00
11) Aroclor 1221 (3)					4.343		4.343	E3 0.00
12) Aroclor 1221 ...					6.568		6.568	E2 0.00
13) Aroclor 1221 (5)					6.178		6.178	E2 0.00
14) Aroclor 1221 ...							0.000	-1.00
15) Aroclor 1232 (1)					3.620		3.620	E3 0.00
16) Aroclor 1232 (2)					1.575		1.575	E3 0.00
17) Aroclor 1232 (3)					3.582		3.582	E3 0.00
18) Aroclor 1232 (4)					9.963		9.963	E2 0.00
19) Aroclor 1232 (5)					1.307		1.307	E3 0.00
20) Aroclor 1232 (6)					1.425		1.425	E3 0.00
21) Aroclor 1232 ...							0.000	-1.00
22) Aroclor 1242 ...					2.689		2.689	E3 0.00
23) Aroclor 1242 ...					6.270		6.270	E3 0.00
24) Aroclor 1242 ...					3.292		3.292	E3 0.00
25) Aroclor 1242 ...					1.877		1.877	E3 0.00
26) Aroclor 1242 ...					2.550		2.550	E3 0.00
27) Aroclor 1242 (6)					2.677		2.677	E3 0.00
28) Aroclor 1242 ...							0.000	-1.00
29) Aroclor 1248 ...					3.258		3.258	E3 0.00
30) Aroclor 1248 ...					3.484		3.484	E3 0.00
31) Aroclor 1248 ...					3.679		3.679	E3 0.00
32) Aroclor 1248 ...					4.707		4.707	E3 0.00
33) Aroclor 1248 ...					6.120		6.120	E3 0.00
34) Aroclor 1248 (6)					5.740		5.740	E3 0.00
35) Aroclor 1248 ...							0.000	-1.00
36) Aroclor 1254 ...					5.539		5.539	E3 0.00
37) Aroclor 1254 ...					9.247		9.247	E3 0.00
38) Aroclor 1254 ...					1.186		1.186	E4 0.00
39) Aroclor 1254 ...					8.778		8.778	E3 0.00
40) Aroclor 1254 ...					9.403		9.403	E3 0.00
41) Aroclor 1254 (6)					2.949		2.949	E3 0.00
42) Aroclor 1254 ...							0.000	-1.00

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200602.M
 Title : PCB Data Analysis
 Last Update : Wed Jun 03 14:12:52 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2R003.D 2 =ECD2R004.D 3 =ECD2R005.D
 4 =ECD2R006.D 5 =ECD2R018.D 6 =ECD2R008.D

Compound	1	2	3	4	5	6	Avg	%RSD
43) Aroclor 1260 ...	8.659	8.040	7.373	7.474	7.217	6.790	7.619 E3	7.97 ✓
44) Aroclor 1260 ...	1.052	0.938	0.911	0.887	0.891	0.914	0.934 E4	6.03 ✓
45) Aroclor 1260 (3)	1.182	1.130	1.095	1.107	1.124	1.077	1.135 E4	4.81 ✓
46) Aroclor 1260 (4)	1.861	1.744	1.777	1.924	1.951	1.997	1.923 E4	8.04 ✓
47) Aroclor 1260 (5)	1.140	1.093	1.102	1.067	1.078	1.095	1.110 E4	3.90 ✓
48) Aroclor 1260 (6)	5.967	5.819	5.159	5.121	4.900	4.810	5.277 E3	8.41 ✓
49) Aroclor 1260 ...							0.000	-1.00
50) Aroclor 1262 (1)					6.794		6.794 E3	0.00
51) Aroclor 1262 (2)					9.971		9.971 E3	0.00
52) Aroclor 1262 (3)					8.466		8.466 E3	0.00
53) Aroclor 1262 (4)					2.076		2.076 E4	0.00
54) Aroclor 1262 (5)					1.235		1.235 E4	0.00
55) Aroclor 1262 (6)					6.584		6.584 E3	0.00
56) Aroclor 1262 ...							0.000	-1.00
57) Aroclor 1268 (1)					4.346		4.346 E3	0.00
58) Aroclor 1268 (2)					2.362		2.362 E4	0.00
59) Aroclor 1268 (3)					2.467		2.467 E4	0.00
60) Aroclor 1268 (4)					1.981		1.981 E4	0.00
61) Aroclor 1268 (5)					7.568		7.568 E3	0.00
62) Aroclor 1268 (6)					7.163		7.163 E4	0.00
63) Aroclor 1268 ...							0.000	-1.00
64) S DCBP (S)	1.388	1.420	1.449	1.591	1.517	1.740	1.595 E5	14.93 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200602.M
Title : PCB Data Analysis
Last Update : Wed Jun 03 14:12:52 2020
Response Via : Initial Calibration

KAK 6/3/2020

Total Cpnds : 64

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.768	1.000	A	H	R
2	Aroclor 1016 (1)	6.436	1.000	A	H	R
3	Aroclor 1016 (2)	6.923	1.000	A	H	R
4	Aroclor 1016 (3)	7.050	1.000	A	H	R
5	Aroclor 1016 (4)	7.137	1.000	A	H	R
6	Aroclor 1016 (5)	7.182	1.000	A	H	R
7	Aroclor 1016 (6)	7.307	1.000	A	H	R
8	Aroclor 1016 - AVE	1.923	1.000	A	H	R
9	Aroclor 1221 (1)	5.942	1.000	A	H	R
10	Aroclor 1221 (2)	6.014	1.000	A	H	R
11	Aroclor 1221 (3)	6.100	1.000	A	H	R
12	Aroclor 1221 (4)	6.609	1.000	A	H	B
13	Aroclor 1221 (5)	6.923	1.000	A	H	B
14	Aroclor 1221 - AVE	1.923	1.000	A	H	R
15	Aroclor 1232 (1)	6.100	1.000	A	H	R
16	Aroclor 1232 (2)	6.436	1.000	A	H	R
17	Aroclor 1232 (3)	6.922	1.000	A	H	R
18	Aroclor 1232 (4)	7.136	1.000	A	H	R
19	Aroclor 1232 (5)	7.181	1.000	A	H	R
20	Aroclor 1232 (6)	7.306	1.000	A	H	R
21	Aroclor 1232 - AVE	1.923	1.000	A	H	R
22	Aroclor 1242 (1)	6.436	1.000	A	H	R
23	Aroclor 1242 (2)	6.922	1.000	A	H	R
24	Aroclor 1242 (3)	7.050	1.000	A	H	R
25	Aroclor 1242 (4)	7.136	1.000	A	H	R
26	Aroclor 1242 (5)	7.181	1.000	A	H	R
27	Aroclor 1242 (6)	7.307	1.000	A	H	R
28	Aroclor 1242 - AVE	1.923	1.000	A	H	R
29	Aroclor 1248 (1)	6.895	1.000	A	H	R
30	Aroclor 1248 (2)	7.136	1.000	A	H	R
31	Aroclor 1248 (3)	7.181	1.000	A	H	R
32	Aroclor 1248 (4)	7.306	1.000	A	H	R
33	Aroclor 1248 (5)	7.670	1.000	A	H	R
34	Aroclor 1248 (6)	7.828	1.000	A	H	R
35	Aroclor 1248 - AVE	1.923	1.000	A	H	R
36	Aroclor 1254 (1)	7.649	1.000	A	H	R
37	Aroclor 1254 (2)	7.831	1.000	A	H	R
38	Aroclor 1254 (3)	8.141	1.000	A	H	R
39	Aroclor 1254 (4)	8.378	1.000	A	H	R
40	Aroclor 1254 (5)	8.714	1.000	A	H	R
41	Aroclor 1254 (6)	8.944	1.000	A	H	R
42	Aroclor 1254 - AVE	1.923	1.000	A	H	R
43	Aroclor 1260 (1)	8.277	1.000	A	H	R
44	Aroclor 1260 (2)	8.483	1.000	A	H	R
45	Aroclor 1260 (3)	8.715	1.000	A	H	R
46	Aroclor 1260 (4)	9.211	1.000	A	H	R
47	Aroclor 1260 (5)	9.483	1.000	A	H	R
48	Aroclor 1260 (6)	10.078	1.000	A	H	R
49	Aroclor 1260 - AVE	1.923	1.000	A	H	R
50	Aroclor 1262 (1)	8.482	1.000	A	H	R
51	Aroclor 1262 (2)	8.785	1.000	A	H	R
52	Aroclor 1262 (3)	8.964	1.000	A	H	R
53	Aroclor 1262 (4)	9.210	1.000	A	H	R
54	Aroclor 1262 (5)	9.483	1.000	A	H	R
55	Aroclor 1262 (6)	10.077	1.000	A	H	R
56	Aroclor 1262 - AVE	1.923	1.000	A	H	R

57	Aroclor 1268 (1)	9.006	1.000	A	H	R
58	Aroclor 1268 (2)	9.484	1.000	A	H	R
59	Aroclor 1268 (3)	9.553	1.000	A	H	R
60	Aroclor 1268 (4)	9.780	1.000	A	H	R
61	Aroclor 1268 (5)	10.077	1.000	A	H	R
62	Aroclor 1268 (6)	10.449	1.000	A	H	R
63	Aroclor 1268 - AVE	1.922	1.000	A	H	R
64	S DCBP (S)	10.785	1.000	LO	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
 A/H = Area or Height
 ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

RECD2_QUANTPCB_200602.M Wed Jun 03 14:41:06 2020

Element Calibration Review Sheet

Calibration ID: **A0F0306**

Instrument: **DUALECD2R**

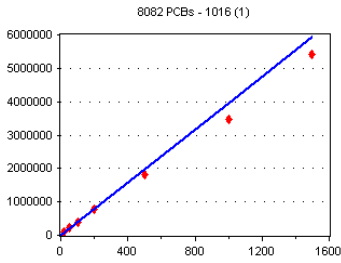
Calibration Date: **06/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20060**

1016 (1)

Curve Fit: **AVERAGE RF**

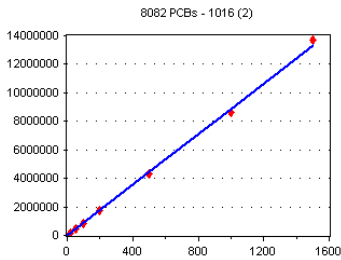


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	94264	4713.200	6.44
0F02063-CAL2	50	220438	4408.760	6.44
0F02063-CAL3	100	400839	4008.390	6.44
0F02063-CAL4	200	771368	3856.840	6.44
0F02063-CAL5	500	1824671	3649.342	6.44
0F02063-CAL6	1000	3485850	3485.850	6.44
0F02063-CAL7	1500	5403094	3602.063	6.44

AVE RF 3960.635 **RF RSD** 11.44 **AVE RT** 6.44

1016 (2)

Curve Fit: **AVERAGE RF**

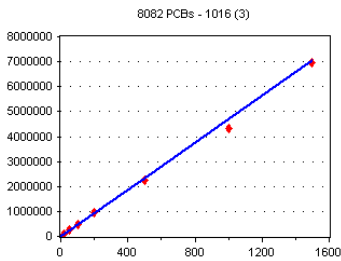


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	186668	9333.400	6.92
0F02063-CAL2	50	453554	9071.080	6.92
0F02063-CAL3	100	857533	8575.330	6.92
0F02063-CAL4	200	1755909	8779.545	6.92
0F02063-CAL5	500	4297373	8594.746	6.92
0F02063-CAL6	1000	8614348	8614.348	6.92
0F02063-CAL7	1500	370605E+07	9137.366	6.92

AVE RF 8872.259 **RF RSD** 3.45 **AVE RT** 6.92

1016 (3)

Curve Fit: **AVERAGE RF**

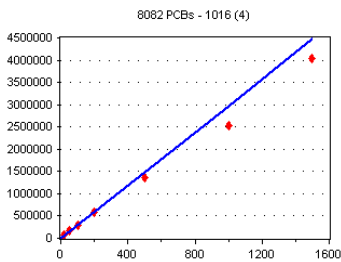


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	103307	5165.350	7.05
0F02063-CAL2	50	250258	5005.160	7.05
0F02063-CAL3	100	467551	4675.510	7.05
0F02063-CAL4	200	929885	4649.425	7.05
0F02063-CAL5	500	2253442	4506.884	7.05
0F02063-CAL6	1000	4343586	4343.586	7.05
0F02063-CAL7	1500	6965246	4643.498	7.05

AVE RF 4712.773 **RF RSD** 6.00 **AVE RT** 7.05

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	73870	3693.500	7.14
0F02063-CAL2	50	165262	3305.240	7.14
0F02063-CAL3	100	301927	3019.270	7.14
0F02063-CAL4	200	576755	2883.775	7.14
0F02063-CAL5	500	1365904	2731.808	7.14
0F02063-CAL6	1000	2522880	2522.880	7.14
0F02063-CAL7	1500	4041152	2694.101	7.14

AVE RF 2978.653 **RF RSD** 13.55 **AVE RT** 7.14

Element Calibration Review Sheet

Calibration ID: **A0F0306**

Instrument: **DUALECD2R**

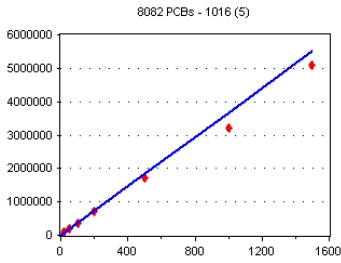
Calibration Date: **06/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20060**

1016 (5)

Curve Fit: **AVERAGE RF**

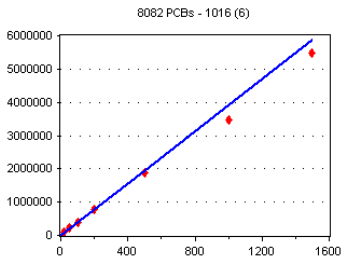


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	89310	4465.500	7.18
0F02063-CAL2	50	200876	4017.520	7.18
0F02063-CAL3	100	366765	3667.650	7.18
0F02063-CAL4	200	713835	3569.175	7.18
0F02063-CAL5	500	1718014	3436.028	7.18
0F02063-CAL6	1000	3205102	3205.102	7.18
0F02063-CAL7	1500	5091473	3394.315	7.18

AVE RF **3679.327** RF RSD **11.69** AVE RT **7.18**

1016 (6)

Curve Fit: **AVERAGE RF**

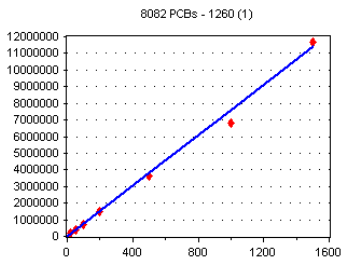


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	89786	4489.300	7.31
0F02063-CAL2	50	216520	4330.400	7.31
0F02063-CAL3	100	389659	3896.590	7.31
0F02063-CAL4	200	778507	3892.535	7.31
0F02063-CAL5	500	1867104	3734.208	7.31
0F02063-CAL6	1000	3471984	3471.984	7.31
0F02063-CAL7	1500	5469714	3646.476	7.31

AVE RF **3923.070** RF RSD **9.33** AVE RT **7.31**

1260 (1)

Curve Fit: **AVERAGE RF**

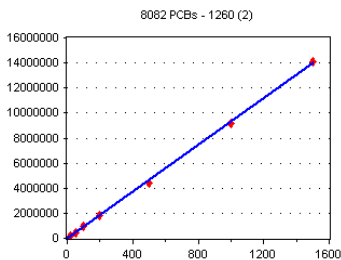


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	173176	8658.800	8.28
0F02063-CAL2	50	401998	8039.960	8.28
0F02063-CAL3	100	737349	7373.490	8.28
0F02063-CAL4	200	1494837	7474.185	8.28
0F02063-CAL5	500	3608319	7216.638	8.28
0F02063-CAL6	1000	6790443	6790.443	8.28
0F02063-CAL7	1500	1.1672E+07	7781.333	8.28

AVE RF **7619.264** RF RSD **7.97** AVE RT **8.28**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	210380	10519.000	8.48
0F02063-CAL2	50	469041	9380.820	8.48
0F02063-CAL3	100	911121	9111.210	8.48
0F02063-CAL4	200	1774264	8871.320	8.48
0F02063-CAL5	500	4453341	8906.682	8.48
0F02063-CAL6	1000	9140064	9140.064	8.48
0F02063-CAL7	1500	413699E+07	9424.660	8.48

AVE RF **9336.251** RF RSD **6.03** AVE RT **8.48**

Element Calibration Review Sheet

Calibration ID: **A0F0306**

Instrument: **DUALECD2R**

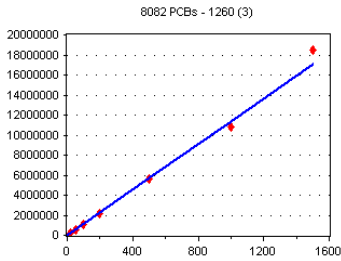
Calibration Date: **06/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20060**

1260 (3)

Curve Fit: **AVERAGE RF**

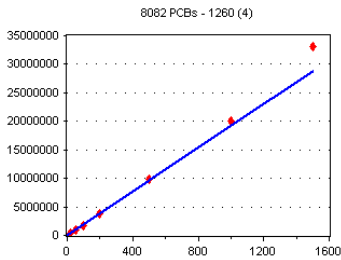


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	236371	11818.550	8.72
0F02063-CAL2	50	564784	11295.680	8.72
0F02063-CAL3	100	1094960	10949.600	8.72
0F02063-CAL4	200	2213531	11067.660	8.71
0F02063-CAL5	500	5617515	11235.030	8.72
0F02063-CAL6	1000	076691E+07	10766.910	8.72
0F02063-CAL7	1500	850363E+07	12335.750	8.72

AVE RF 11352.740 RF RSD 4.81 AVE RT 8.72

1260 (4)

Curve Fit: **AVERAGE RF**

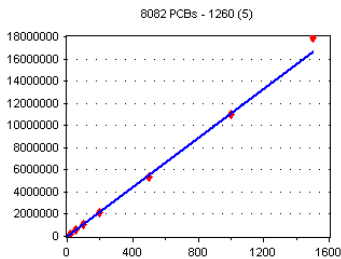


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	372113	18605.650	9.21
0F02063-CAL2	50	871946	17438.920	9.21
0F02063-CAL3	100	1777373	17773.730	9.21
0F02063-CAL4	200	3847434	19237.170	9.21
0F02063-CAL5	500	9756878	19513.760	9.21
0F02063-CAL6	1000	996931E+07	19969.310	9.21
0F02063-CAL7	1500	309012E+07	22060.080	9.21

AVE RF 19228.370 RF RSD 8.04 AVE RT 9.21

1260 (5)

Curve Fit: **AVERAGE RF**

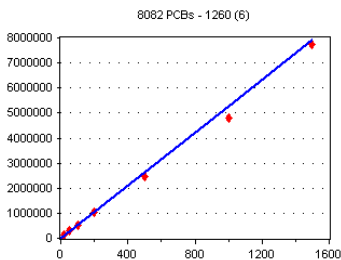


Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	227935	11396.750	9.48
0F02063-CAL2	50	546346	10926.920	9.48
0F02063-CAL3	100	1102442	11024.420	9.48
0F02063-CAL4	200	2133742	10668.710	9.48
0F02063-CAL5	500	5391849	10783.700	9.48
0F02063-CAL6	1000	095074E+07	10950.740	9.48
0F02063-CAL7	1500	.78989E+07	11932.600	9.48

AVE RF 11097.690 RF RSD 3.90 AVE RT 9.48

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	20	119348	5967.400	10.08
0F02063-CAL2	50	290933	5818.660	10.08
0F02063-CAL3	100	515882	5158.820	10.08
0F02063-CAL4	200	1024231	5121.155	10.08
0F02063-CAL5	500	2450040	4900.080	10.08
0F02063-CAL6	1000	4809519	4809.519	10.08
0F02063-CAL7	1500	7743402	5162.268	10.08

AVE RF 5276.843 RF RSD 8.41 AVE RT 10.08

Element Calibration Review Sheet

Calibration ID: **A0F0306**

Instrument: **DUALECD2R**

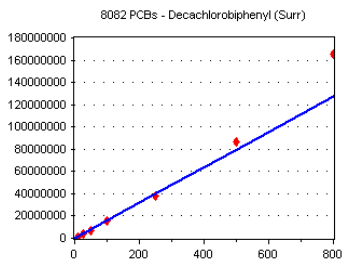
Calibration Date: **06/03/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20060**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F02063-CAL1	10	1387791	138779.100	10.78
0F02063-CAL2	25	3548792	141951.700	10.79
0F02063-CAL3	50	7245662	144913.200	10.78
0F02063-CAL4	100	590622E+07	159062.200	10.78
0F02063-CAL5	250	792779E+07	151711.200	10.79
0F02063-CAL6	500	1.69836E+07	173967.200	10.79
0F02063-CAL7	800	649877E+08	206234.600	10.79

AVE RF **159517.000** RF RSD **14.93** AVE RT **10.79**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F02063

Analysis Included

1311/8082 TCLP PCBs
 608.3 PCBs
 608.3 PCBs - LL (1000/1mL) +1262/68
 8082 PCBs
 8082 PCBs - Low Level (2mL FV)
 8082 PCBs - Low Level (2mL FV) +1262/68
 8082 PCBs - Low Level (1000/1mL)
 8082 PCBs - Low Level (1000/1mL) (Diss)
 8082 PCBs - Low Level (1000/1mL) +1262/68
 8082 PCBs - Low Level (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0F02063-ICB1	Initial Cal Blank	Water	A20E115		6/2/2020 4:38:00PM
0F02063-CAL1	Cal Standard	Water	A19L280	"	6/2/2020 4:56:00PM
0F02063-CAL2	Cal Standard	Water	A19L281	"	6/2/2020 5:13:00PM
0F02063-CAL3	Cal Standard	Water	A19L282	"	6/2/2020 5:31:00PM
0F02063-CAL4	Cal Standard	Water	A19L283	"	6/2/2020 5:48:00PM
0F02063-CAL5	Cal Standard	Water	A19L276	"	6/2/2020 6:06:00PM
0F02063-CAL6	Cal Standard	Water	A19L278	"	6/2/2020 6:24:00PM
0F02063-CAL7	Cal Standard	Water	A19L279	"	6/2/2020 6:41:00PM
0F02063-ICV1	Initial Cal Check	Water	A20B355	"	6/2/2020 7:17:00PM
0F02063-CAL8	Cal Standard	Water	A20C117	"	6/2/2020 7:34:00PM
0F02063-CAL9	Cal Standard	Water	A20B322	"	6/2/2020 7:52:00PM
0F02063-CALA	Cal Standard	Water	A20B323	"	6/2/2020 8:10:00PM
0F02063-CALB	Cal Standard	Water	A20B324	"	6/2/2020 8:27:00PM
0F02063-CALC	Cal Standard	Water	A20B325	"	6/2/2020 8:45:00PM
0F02063-CALD	Cal Standard	Water	A20B326	"	6/2/2020 9:02:00PM
0F02063-CALE	Cal Standard	Water	A20B327	"	6/2/2020 9:20:00PM
0F02063-ICV2	Initial Cal Check	Water	A20B353	"	6/2/2020 9:38:00PM
0F02063-ICV3	Initial Cal Check	Water	A20D351	"	6/2/2020 9:55:00PM
0F02063-ICV4	Initial Cal Check	Water	A20B354	"	6/2/2020 10:13:00PM
0F02063-ICV5	Initial Cal Check	Water	A20B130	"	6/2/2020 10:30:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0F0306** Instrument: **DUALECD2R**

1311/8082 TCLP PCBs Sequence: **0F02063** Matrix: **Water**

0F02063-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
0F02063-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F02063

0F02063-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
0F02063-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
0F02063-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
0F02063-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1000	0	
Aroclor 1260	800.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
0F02063-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1500	0	
Aroclor 1260	800.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
0F02063-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1221	0.0000	0.00	500	0	
0F02063-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1232	0.0000	0.00	500	0	
0F02063-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1242	0.0000	0.00	500	0	
0F02063-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1248	0.0000	0.00	500	0	
0F02063-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
0F02063-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
0F02063-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1268	0.0000	0.00	500	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F02063

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: **A0F0306**

Instrument: **DUALECD2R**

608.3 PCBs - LL (1000/1mL) +

Sequence: **0F02063**

Matrix: **Water**

0F02063-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	70	
1260 (6)	20	500	351.27	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.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:38 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICB1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e Clean
 Quant Time: Jun 03 14:27:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.765	17084405	80.322 ng/ml
64) S DCBP (S)	10.784	12809616	69.892 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.446	931	0.235 ng/ml
3) Aroclor 1016 (2)	6.928	3218	0.363 ng/ml
4) Aroclor 1016 (3)	7.048	2183	0.463 ng/ml
5) Aroclor 1016 (4)	7.144	2647	0.889 ng/ml
6) Aroclor 1016 (5)	7.188	2765	0.752 ng/ml
7) Aroclor 1016 (6)	7.301	2284	0.582 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.942	3889	2.987 ng/ml
10) Aroclor 1221 (2)	6.022	2392	1.904 ng/ml
11) Aroclor 1221 (3)	6.072	324763	74.786 ng/ml
12) Aroclor 1221 (4)	6.605	2487	3.786 ng/ml
13) Aroclor 1221 (5)	6.928	3218	5.208 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.072	324763	89.707 ng/ml
16) Aroclor 1232 (2)	6.446	931	0.591 ng/ml
17) Aroclor 1232 (3)	6.928	3218	0.898 ng/ml
18) Aroclor 1232 (4)	7.144	2647	2.657 ng/ml
19) Aroclor 1232 (5)	7.188	2765	2.116 ng/ml
20) Aroclor 1232 (6)	7.301	2284	1.603 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.446	931	0.346 ng/ml
23) Aroclor 1242 (2)	6.928	3218	0.513 ng/ml
24) Aroclor 1242 (3)	7.048	2183	0.663 ng/ml
25) Aroclor 1242 (4)	7.144	2647	1.411 ng/ml
26) Aroclor 1242 (5)	7.188	2765	1.084 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:38 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICB1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:27:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.301	2284	0.853 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.897	325	0.100 ng/ml
30)	Aroclor 1248 (2)	7.144	2647	0.760 ng/ml
31)	Aroclor 1248 (3)	7.188	2765	0.752 ng/ml
32)	Aroclor 1248 (4)	7.301	2284	0.485 ng/ml
33)	Aroclor 1248 (5)	7.668	2887	0.472 ng/ml
34)	Aroclor 1248 (6)	7.777f	62621	10.911 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.647	3498	0.632 ng/ml
37)	Aroclor 1254 (2)	7.777f	62621	6.772 ng/ml
38)	Aroclor 1254 (3)	8.138	1661	0.140 ng/ml
39)	Aroclor 1254 (4)	8.387	187623	21.374 ng/ml
40)	Aroclor 1254 (5)	8.713	2757	0.293 ng/ml
41)	Aroclor 1254 (6)	8.937	2996	1.016 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.280	2359	0.310 ng/ml
44)	Aroclor 1260 (2)	8.484	6443	0.690 ng/ml
45)	Aroclor 1260 (3)	8.713	2757	0.243 ng/ml
46)	Aroclor 1260 (4)	9.205	3408	0.177 ng/ml
47)	Aroclor 1260 (5)	9.482	4152	0.374 ng/ml
48)	Aroclor 1260 (6)	10.068	6035	1.144 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.484	6443	0.948 ng/ml
51)	Aroclor 1262 (2)	8.780	2365	0.237 ng/ml
52)	Aroclor 1262 (3)	8.966	84241	9.950 ng/ml
53)	Aroclor 1262 (4)	9.205	3408	0.164 ng/ml
54)	Aroclor 1262 (5)	9.482	4152	0.336 ng/ml
55)	Aroclor 1262 (6)	10.068	6035	0.917 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.032	2957	0.680 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:38 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICB1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:27:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.482	4152	0.176 ng/ml
59)	Aroclor 1268 (3)	9.550	5996	0.243 ng/ml
60)	Aroclor 1268 (4)	9.782	53158	2.684 ng/ml
61)	Aroclor 1268 (5)	10.068	6035	0.797 ng/ml
62)	Aroclor 1268 (6)	10.452	59517	0.831 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

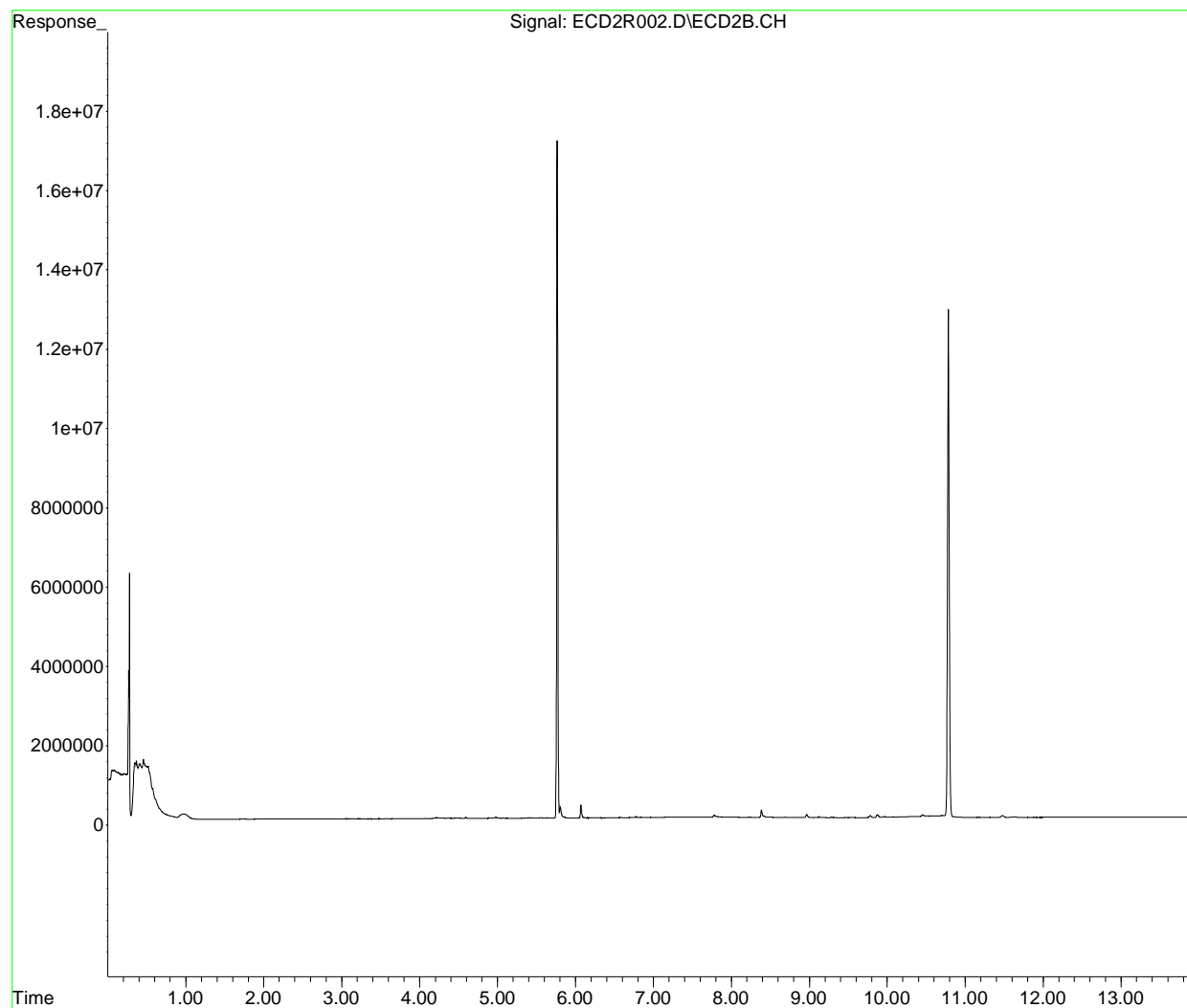
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 4:38 pm
Operator : MJB / KAK
Sample : 0F02063-ICB1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:27:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:59 pm
 Operator : MJB / KAK
 Sample : 0F02063-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

KAK 6/3/2020

Clean

Integration File: events.e
 Quant Time: Jun 03 14:38:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.767	4522	0.021 ng/ml
64) S DCBP (S)	10.785	4911	0.027 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.438	2868	0.724 ng/ml
3) Aroclor 1016 (2)	6.927	5003	0.564 ng/ml
4) Aroclor 1016 (3)	7.052	2238	0.475 ng/ml
5) Aroclor 1016 (4)	7.139	3515	1.180 ng/ml
6) Aroclor 1016 (5)	7.189	4148	1.127 ng/ml
7) Aroclor 1016 (6)	7.300	4163	1.061 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.943	1829	1.405 ng/ml
10) Aroclor 1221 (2)	6.017	2240	1.783 ng/ml
11) Aroclor 1221 (3)	6.103	3011	0.693 ng/ml
12) Aroclor 1221 (4)	6.603	3659	5.571 ng/ml
13) Aroclor 1221 (5)	6.927	5003	8.099 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.103	3011	0.832 ng/ml
16) Aroclor 1232 (2)	6.438	2868	1.821 ng/ml
17) Aroclor 1232 (3)	6.927	5003	1.397 ng/ml
18) Aroclor 1232 (4)	7.139	3515	3.528 ng/ml
19) Aroclor 1232 (5)	7.189	4148	3.173 ng/ml
20) Aroclor 1232 (6)	7.300	4163	2.921 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.438	2868	1.066 ng/ml
23) Aroclor 1242 (2)	6.927	5003	0.798 ng/ml
24) Aroclor 1242 (3)	7.052	2238	0.680 ng/ml
25) Aroclor 1242 (4)	7.139	3515	1.873 ng/ml
26) Aroclor 1242 (5)	7.189	4148	1.626 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:59 pm
 Operator : MJB / KAK
 Sample : 0F02063-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:38:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.300	4163	1.555 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.897	580	0.178 ng/ml
30)	Aroclor 1248 (2)	7.139	3515	1.009 ng/ml
31)	Aroclor 1248 (3)	7.189	4148	1.127 ng/ml
32)	Aroclor 1248 (4)	7.300	4163	0.884 ng/ml
33)	Aroclor 1248 (5)	7.665	3202	0.523 ng/ml
34)	Aroclor 1248 (6)	7.874f	7851	1.368 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.647	3193	0.576 ng/ml
37)	Aroclor 1254 (2)	7.874f	7851	0.849 ng/ml
38)	Aroclor 1254 (3)	8.136	2932	0.247 ng/ml
39)	Aroclor 1254 (4)	8.388	193642	22.060 ng/ml
40)	Aroclor 1254 (5)	8.717	2524	0.268 ng/ml
41)	Aroclor 1254 (6)	8.935	1790	0.607 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.274	3005	0.394 ng/ml
44)	Aroclor 1260 (2)	8.467	7588	0.813 ng/ml
45)	Aroclor 1260 (3)	8.717	2524	0.222 ng/ml
46)	Aroclor 1260 (4)	9.213	1846	0.096 ng/ml
47)	Aroclor 1260 (5)	9.487	1726	0.156 ng/ml
48)	Aroclor 1260 (6)	10.080	834	0.158 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.467	7588	1.117 ng/ml
51)	Aroclor 1262 (2)	8.784	1610	0.161 ng/ml
52)	Aroclor 1262 (3)	8.968	68849	8.132 ng/ml
53)	Aroclor 1262 (4)	9.213	1846	0.089 ng/ml
54)	Aroclor 1262 (5)	9.487	1726	0.140 ng/ml
55)	Aroclor 1262 (6)	10.075	811	0.123 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.031	2012	0.463 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:59 pm
 Operator : MJB / KAK
 Sample : 0F02063-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:38:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.487	1726	0.073 ng/ml
59)	Aroclor 1268 (3)	9.554	1473	0.060 ng/ml
60)	Aroclor 1268 (4)	9.784	1883	0.095 ng/ml
61)	Aroclor 1268 (5)	10.075	811	0.107 ng/ml
62)	Aroclor 1268 (6)	10.454	1162	0.016 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

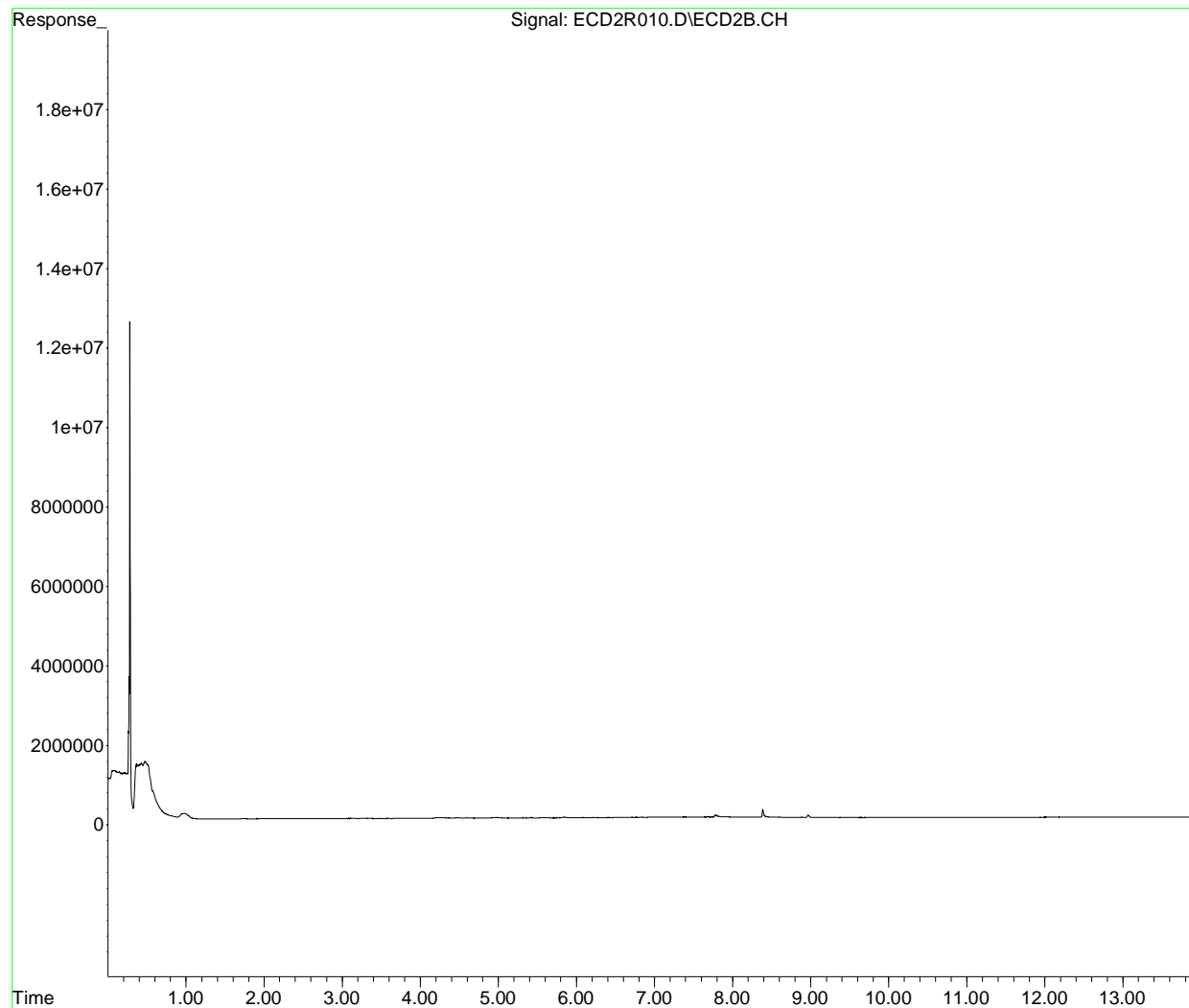
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 6:59 pm
Operator : MJB / KAK
Sample : 0F02063-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:38:30 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:17 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e 1016, 1260
 Quant Time: Jun 03 14:28:14 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.767	43878560	206.294 ng/ml
64) S DCBP (S)	10.784	31242388	170.464 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.436	1769825	446.853 ng/ml
3) Aroclor 1016 (2)	6.922	4260154	480.165 ng/ml
4) Aroclor 1016 (3)	7.050	2205355	467.952 ng/ml
5) Aroclor 1016 (4)	7.137	1312369	440.591 ng/ml
6) Aroclor 1016 (5)	7.182	1630367	443.115 ng/ml
7) Aroclor 1016 (6)	7.307	1790853	456.493 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.941	158792	121.994 ng/ml
10) Aroclor 1221 (2)	6.014	321428	255.922 ng/ml
11) Aroclor 1221 (3)	6.100	1540211	354.680 ng/ml
12) Aroclor 1221 (4)	6.609	1351372	2057.512 ng/ml
13) Aroclor 1221 (5)	6.922	4260154	6895.894 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.100	1540211	425.440 ng/ml
16) Aroclor 1232 (2)	6.436	1769825	1123.536 ng/ml
17) Aroclor 1232 (3)	6.922	4260154	1189.369 ng/ml
18) Aroclor 1232 (4)	7.137	1312369	1317.256 ng/ml
19) Aroclor 1232 (5)	7.182	1630367	1247.455 ng/ml
20) Aroclor 1232 (6)	7.307	1790853	1256.776 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.436	1769825	658.060 ng/ml
23) Aroclor 1242 (2)	6.922	4260154	679.474 ng/ml
24) Aroclor 1242 (3)	7.050	2205355	669.917 ng/ml
25) Aroclor 1242 (4)	7.137	1312369	699.315 ng/ml
26) Aroclor 1242 (5)	7.182	1630367	639.351 ng/ml

455.862

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:17 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:28:14 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.307	1790853	668.963	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.895	3075716	944.170	ng/ml
30)	Aroclor 1248 (2)	7.137	1312369	376.694	ng/ml
31)	Aroclor 1248 (3)	7.182	1630367	443.140	ng/ml
32)	Aroclor 1248 (4)	7.307	1790853	380.495	ng/ml
33)	Aroclor 1248 (5)	7.650	1346410	220.014	ng/ml
34)	Aroclor 1248 (6)	7.830	1550299	270.110	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.650	1346410	243.087	ng/ml
37)	Aroclor 1254 (2)	7.830	1550299	167.652	ng/ml
38)	Aroclor 1254 (3)	8.140	1043272	87.950	ng/ml
39)	Aroclor 1254 (4)	8.381	656325	74.770	ng/ml
40)	Aroclor 1254 (5)	8.715	6094908	648.211	ng/ml
41)	Aroclor 1254 (6)	8.936	806882	273.622	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.277	3944949	517.760	ng/ml
44)	Aroclor 1260 (2)	8.482	4624535	495.331	ng/ml
45)	Aroclor 1260 (3)	8.715	6094908	536.867	ng/ml
46)	Aroclor 1260 (4)	9.211	8855064	460.521	ng/ml
47)	Aroclor 1260 (5)	9.482	5075097	457.311	ng/ml
48)	Aroclor 1260 (6)	10.078	1853620	351.275	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.482	4624535	680.641	ng/ml
51)	Aroclor 1262 (2)	8.784	2975365	298.402	ng/ml
52)	Aroclor 1262 (3)	8.963	3489511	412.173	ng/ml
53)	Aroclor 1262 (4)	9.211	8855064	426.567	ng/ml
54)	Aroclor 1262 (5)	9.482	5075097	411.055	ng/ml
55)	Aroclor 1262 (6)	10.078	1853620	281.546	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.007	213695	49.173	ng/ml

469.844

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:17 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:28:14 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.482	5075097	214.896 ng/ml
59)	Aroclor 1268 (3)	9.551	1857272	75.286 ng/ml
60)	Aroclor 1268 (4)	9.780	216061	10.907 ng/ml
61)	Aroclor 1268 (5)	10.078	1853620	244.916 ng/ml
62)	Aroclor 1268 (6)	10.449	727601	10.158 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

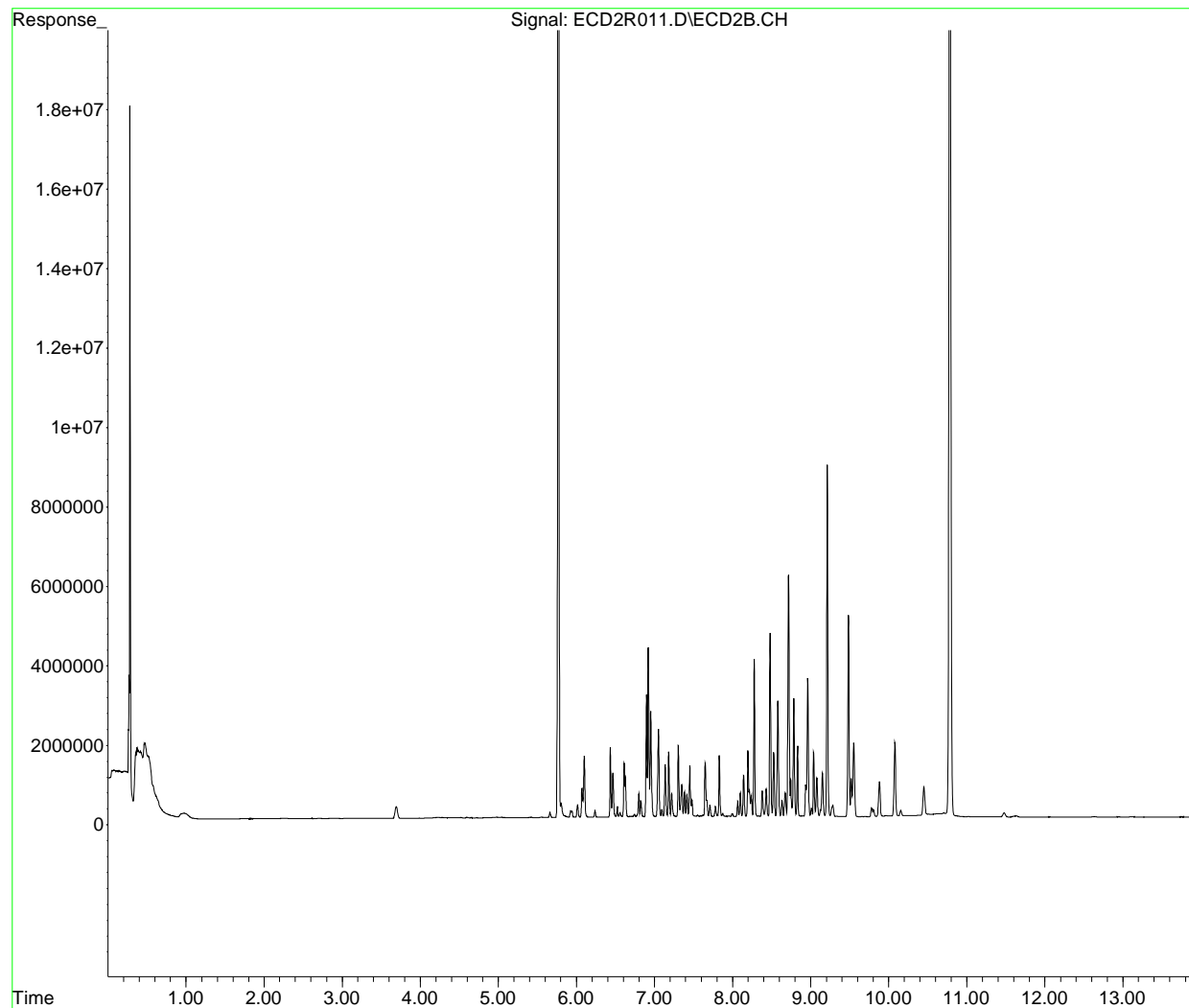
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 7:17 pm
Operator : MJB / KAK
Sample : 0F02063-ICV1
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:28:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:38 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV2
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e 1221, 1254
 Quant Time: Jun 03 14:28:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	7606815	35.763 ng/ml
64) S DCBP (S)	10.782	11389591	62.144 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.435	336765	85.028 ng/ml
3) Aroclor 1016 (2)	6.922	641592	72.314 ng/ml
4) Aroclor 1016 (3)	7.049	334146	70.902 ng/ml
5) Aroclor 1016 (4)	7.135	1557712	522.958 ng/ml
6) Aroclor 1016 (5)	7.181	607352	165.071 ng/ml
7) Aroclor 1016 (6)	7.306	1144172	291.652 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.941	1194569	917.745 ng/ml
10) Aroclor 1221 (2)	6.013	1204406	958.952 ng/ml
11) Aroclor 1221 (3)	6.099	4144425	954.378 ng/ml
12) Aroclor 1221 (4)	6.608	618498	941.686 ng/ml
13) Aroclor 1221 (5)	6.922	641592	1038.542 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.099	4144425	1144.781 ng/ml
16) Aroclor 1232 (2)	6.435	336765	213.788 ng/ml
17) Aroclor 1232 (3)	6.922	641592	179.122 ng/ml
18) Aroclor 1232 (4)	7.135	1557712	1563.513 ng/ml
19) Aroclor 1232 (5)	7.181	607352	464.708 ng/ml
20) Aroclor 1232 (6)	7.306	1144172	802.951 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.435	336765	125.217 ng/ml
23) Aroclor 1242 (2)	6.922	641592	102.331 ng/ml
24) Aroclor 1242 (3)	7.049	334146	101.503 ng/ml
25) Aroclor 1242 (4)	7.135	1557712	830.050 ng/ml
26) Aroclor 1242 (5)	7.181	607352	238.174 ng/ml

962.261

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:38 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV2
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:28:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.306	1144172	427.399	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.894	458039	140.607	ng/ml
30)	Aroclor 1248 (2)	7.135	1557712	447.115	ng/ml
31)	Aroclor 1248 (3)	7.181	607352	165.081	ng/ml
32)	Aroclor 1248 (4)	7.306	1144172	243.097	ng/ml
33)	Aroclor 1248 (5)	7.670	1832405	299.430	ng/ml
34)	Aroclor 1248 (6)	7.830	4686155	816.474	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.649	2979441	537.922	ng/ml
37)	Aroclor 1254 (2)	7.830	4686155	506.769	ng/ml
38)	Aroclor 1254 (3)	8.140	5976225	503.806	ng/ml
39)	Aroclor 1254 (4)	8.377	4088025	465.719	ng/ml 497.671
40)	Aroclor 1254 (5)	8.713	4699741	499.831	ng/ml
41)	Aroclor 1254 (6)	8.944	1391815	471.979	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.277	1802008	236.507	ng/ml
44)	Aroclor 1260 (2)	8.481	2146571	229.918	ng/ml
45)	Aroclor 1260 (3)	8.713	4699741	413.974	ng/ml
46)	Aroclor 1260 (4)	9.209	743185	38.650	ng/ml
47)	Aroclor 1260 (5)	9.480	594908	53.606	ng/ml
48)	Aroclor 1260 (6)	10.076	54833	10.391	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.481	2146571	315.933	ng/ml
51)	Aroclor 1262 (2)	8.784	229955	23.062	ng/ml
52)	Aroclor 1262 (3)	8.944	1391815	164.398	ng/ml
53)	Aroclor 1262 (4)	9.209	743185	35.801	ng/ml
54)	Aroclor 1262 (5)	9.480	594908	48.184	ng/ml
55)	Aroclor 1262 (6)	10.076	54833	8.329	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.007	34196	7.869	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:38 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV2
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:28:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.480	594908	25.190 ng/ml
59)	Aroclor 1268 (3)	9.549	56896	2.306 ng/ml
60)	Aroclor 1268 (4)	9.780	52289	2.640 ng/ml
61)	Aroclor 1268 (5)	10.076	54833	7.245 ng/ml
62)	Aroclor 1268 (6)	10.450	69195	0.966 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

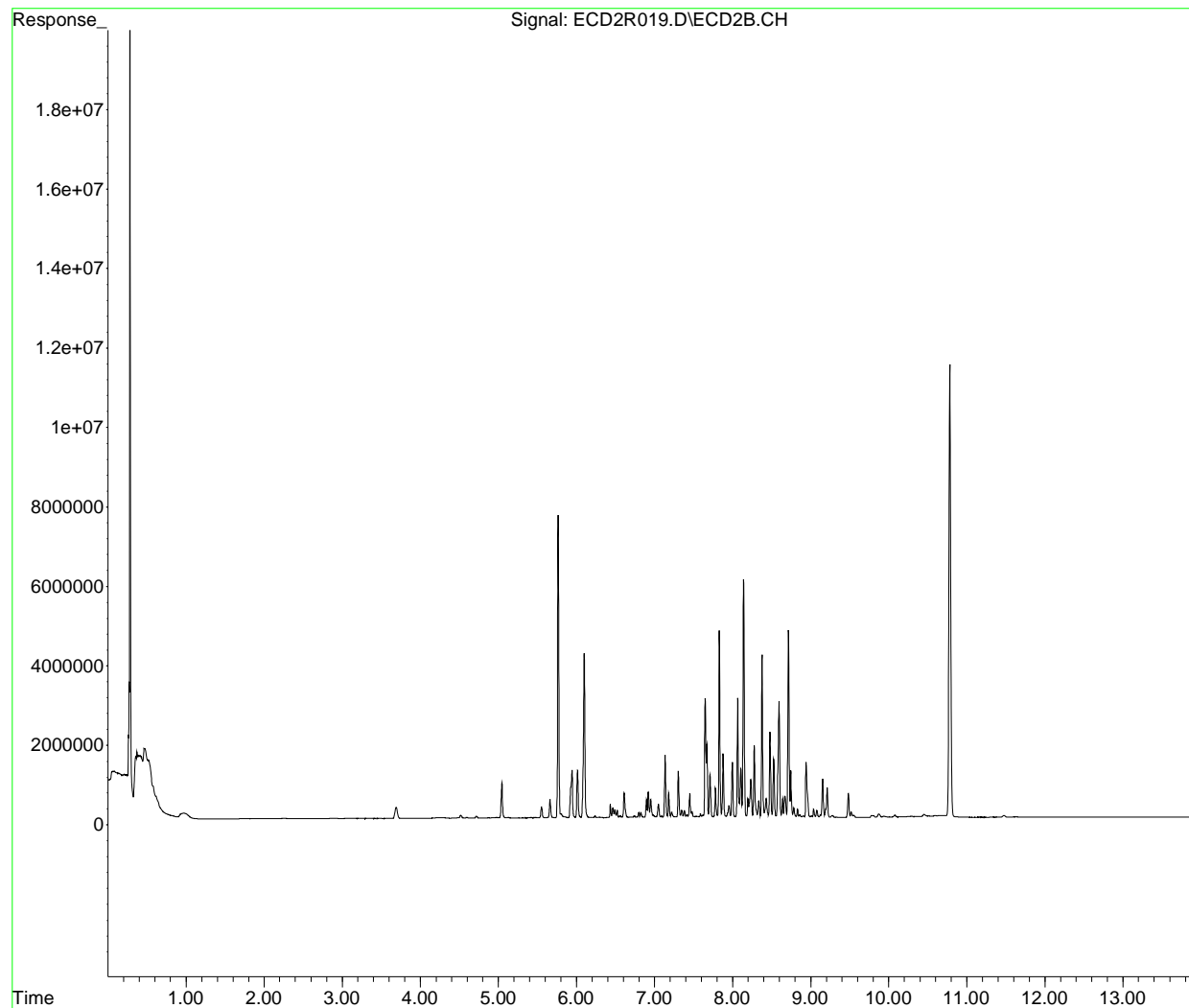
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 9:38 pm
Operator : MJB / KAK
Sample : 0F02063-ICV2
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:28:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:55 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV3
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

KAK 6/3/2020

1232, 1262

Integration File: events.e
 Quant Time: Jun 03 14:29:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	7465213	35.098 ng/ml
64) S DCBP (S)	10.781	11947266	65.187 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.435	808181	204.053 ng/ml
3) Aroclor 1016 (2)	6.921	1847292	208.210 ng/ml
4) Aroclor 1016 (3)	7.048	966975	205.182 ng/ml
5) Aroclor 1016 (4)	7.135	527371	177.050 ng/ml
6) Aroclor 1016 (5)	7.181	668357	181.652 ng/ml
7) Aroclor 1016 (6)	7.306	729830	186.035 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.940	401311	308.313 ng/ml
10) Aroclor 1221 (2)	6.013	469808	374.063 ng/ml
11) Aroclor 1221 (3)	6.099	1692426	389.732 ng/ml
12) Aroclor 1221 (4)	6.608	696822	1060.936 ng/ml
13) Aroclor 1221 (5)	6.921	1847292	2990.204 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.099	1692426	467.485 ng/ml
16) Aroclor 1232 (2)	6.435	808181	513.057 ng/ml
17) Aroclor 1232 (3)	6.921	1847292	515.735 ng/ml
18) Aroclor 1232 (4)	7.135	527371	529.335 ng/ml
19) Aroclor 1232 (5)	7.181	668357	511.385 ng/ml
20) Aroclor 1232 (6)	7.306	729830	512.177 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.435	808181	300.500 ng/ml
23) Aroclor 1242 (2)	6.921	1847292	294.634 ng/ml
24) Aroclor 1242 (3)	7.048	966975	293.737 ng/ml
25) Aroclor 1242 (4)	7.135	527371	281.017 ng/ml
26) Aroclor 1242 (5)	7.181	668357	262.097 ng/ml

508.196

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:55 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV3
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:29:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.306	729830	272.624	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.894	1313865	403.325	ng/ml
30)	Aroclor 1248 (2)	7.135	527371	151.373	ng/ml
31)	Aroclor 1248 (3)	7.181	668357	181.662	ng/ml
32)	Aroclor 1248 (4)	7.306	729830	155.064	ng/ml
33)	Aroclor 1248 (5)	7.669	903964	147.715	ng/ml
34)	Aroclor 1248 (6)	7.827	1207865	210.448	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.650	931512	168.180	ng/ml
37)	Aroclor 1254 (2)	7.827	1207865	130.621	ng/ml
38)	Aroclor 1254 (3)	8.139	527298	44.452	ng/ml
39)	Aroclor 1254 (4)	8.379	422093	48.086	ng/ml
40)	Aroclor 1254 (5)	8.715	3135831	333.505	ng/ml
41)	Aroclor 1254 (6)	8.931	1106481	375.219	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.276	2803901	368.002	ng/ml
44)	Aroclor 1260 (2)	8.481	3413351	365.602	ng/ml
45)	Aroclor 1260 (3)	8.715	3135831	276.218	ng/ml
46)	Aroclor 1260 (4)	9.208	10763969	559.796	ng/ml
47)	Aroclor 1260 (5)	9.481	6107902	550.376	ng/ml
48)	Aroclor 1260 (6)	10.075	3181075	602.837	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.481	3413351	502.378	ng/ml
51)	Aroclor 1262 (2)	8.783	5124339	513.924	ng/ml
52)	Aroclor 1262 (3)	8.962	4229991	499.637	ng/ml
53)	Aroclor 1262 (4)	9.208	10763969	518.523	ng/ml
54)	Aroclor 1262 (5)	9.481	6107902	494.706	ng/ml
55)	Aroclor 1262 (6)	10.075	3181075	483.172	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.006	534261	122.939	ng/ml

502.057

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:55 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV3
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:29:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.481	6107902	258.628 ng/ml
59)	Aroclor 1268 (3)	9.549	3819981	154.845 ng/ml
60)	Aroclor 1268 (4)	9.778	298469	15.068 ng/ml
61)	Aroclor 1268 (5)	10.075	3181075	420.311 ng/ml
62)	Aroclor 1268 (6)	10.447	1259305	17.582 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

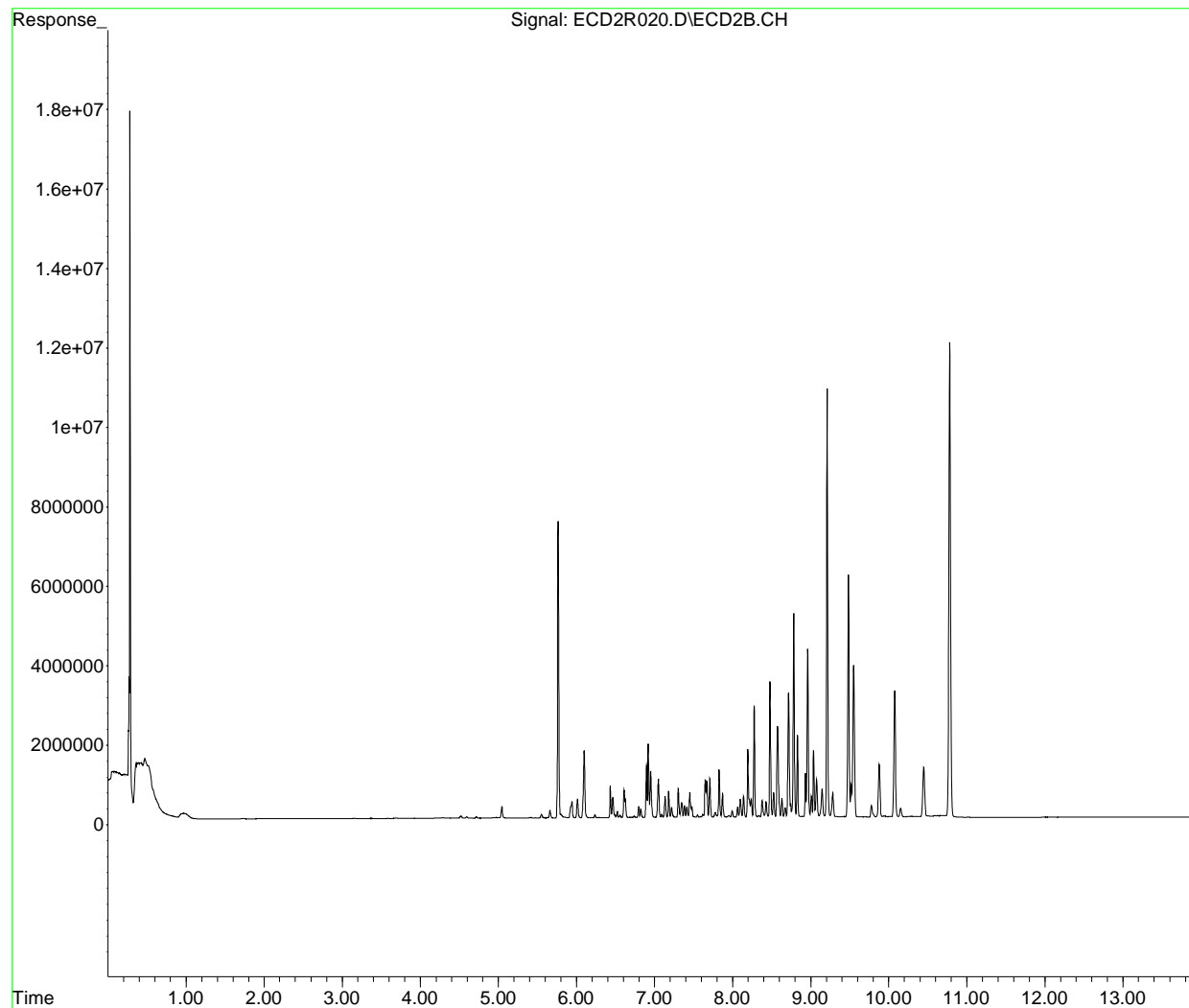
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 9:55 pm
Operator : MJB / KAK
Sample : 0F02063-ICV3
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:29:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 10:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV4
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:29:52 2020 1242, 1268
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.766	7787926	36.615	ng/ml
64) S DCBP (S)	10.779	5428040	29.616	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.435	1429669	360.969	ng/ml
3) Aroclor 1016 (2)	6.921	3271493	368.733	ng/ml
4) Aroclor 1016 (3)	7.048	1737800	368.742	ng/ml
5) Aroclor 1016 (4)	7.135	992344	333.152	ng/ml
6) Aroclor 1016 (5)	7.180	1278326	347.434	ng/ml
7) Aroclor 1016 (6)	7.305	1388967	354.051	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.940	124642	95.758	ng/ml
10) Aroclor 1221 (2)	6.012	268330	213.645	ng/ml
11) Aroclor 1221 (3)	6.099	1257733	289.631	ng/ml
12) Aroclor 1221 (4)	6.608	1035708	1576.902	ng/ml
13) Aroclor 1221 (5)	6.921	3271493	5295.553	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.099	1257733	347.413	ng/ml
16) Aroclor 1232 (2)	6.435	1429669	907.595	ng/ml
17) Aroclor 1232 (3)	6.921	3271493	913.350	ng/ml
18) Aroclor 1232 (4)	7.135	992344	996.040	ng/ml
19) Aroclor 1232 (5)	7.180	1278326	978.095	ng/ml
20) Aroclor 1232 (6)	7.305	1388967	974.742	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.435	1429669	531.582	ng/ml
23) Aroclor 1242 (2)	6.921	3271493	521.788	ng/ml
24) Aroclor 1242 (3)	7.048	1737800	527.889	ng/ml
25) Aroclor 1242 (4)	7.135	992344	528.785	ng/ml
26) Aroclor 1242 (5)	7.180	1278326	501.298	ng/ml

521.697

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 10:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV4
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:29:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.305	1388967	518.841 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.894	2346621	720.355 ng/ml
30)	Aroclor 1248 (2)	7.135	992344	284.836 ng/ml
31)	Aroclor 1248 (3)	7.180	1278326	347.454 ng/ml
32)	Aroclor 1248 (4)	7.305	1388967	295.108 ng/ml
33)	Aroclor 1248 (5)	7.669	1658228	270.968 ng/ml
34)	Aroclor 1248 (6)	7.826	1405811	244.936 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.653	1226396	221.419 ng/ml
37)	Aroclor 1254 (2)	7.826	1405811	152.027 ng/ml
38)	Aroclor 1254 (3)	8.139	544031	45.863 ng/ml
39)	Aroclor 1254 (4)	8.378	449239	51.179 ng/ml
40)	Aroclor 1254 (5)	8.715	105346	11.204 ng/ml
41)	Aroclor 1254 (6)	8.931	107116	36.324 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.276	39677	5.207 ng/ml
44)	Aroclor 1260 (2)	8.477	82440	8.830 ng/ml
45)	Aroclor 1260 (3)	8.715	105346	9.279 ng/ml
46)	Aroclor 1260 (4)	9.208	1151873	59.905 ng/ml
47)	Aroclor 1260 (5)	9.482	12091945	1089.591 ng/ml
48)	Aroclor 1260 (6)	10.074	3958198	750.108 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.477	82440	12.134 ng/ml
51)	Aroclor 1262 (2)	8.783	1831663	183.699 ng/ml
52)	Aroclor 1262 (3)	8.962	145604	17.198 ng/ml
53)	Aroclor 1262 (4)	9.208	1151873	55.488 ng/ml
54)	Aroclor 1262 (5)	9.482	12091945	979.381 ng/ml
55)	Aroclor 1262 (6)	10.074	3958198	601.209 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.005	2266157	521.467 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 10:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV4
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:29:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.482	12091945	512.012 ng/ml
59)	Aroclor 1268 (3)	9.551	12294164	498.352 ng/ml
60)	Aroclor 1268 (4)	9.777	9347066	471.868 ng/ml
61)	Aroclor 1268 (5)	10.074	3958198	522.991 ng/ml
62)	Aroclor 1268 (6)	10.447	33588724	468.950 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

499.273

(f)=RT Delta > 1/2 Window

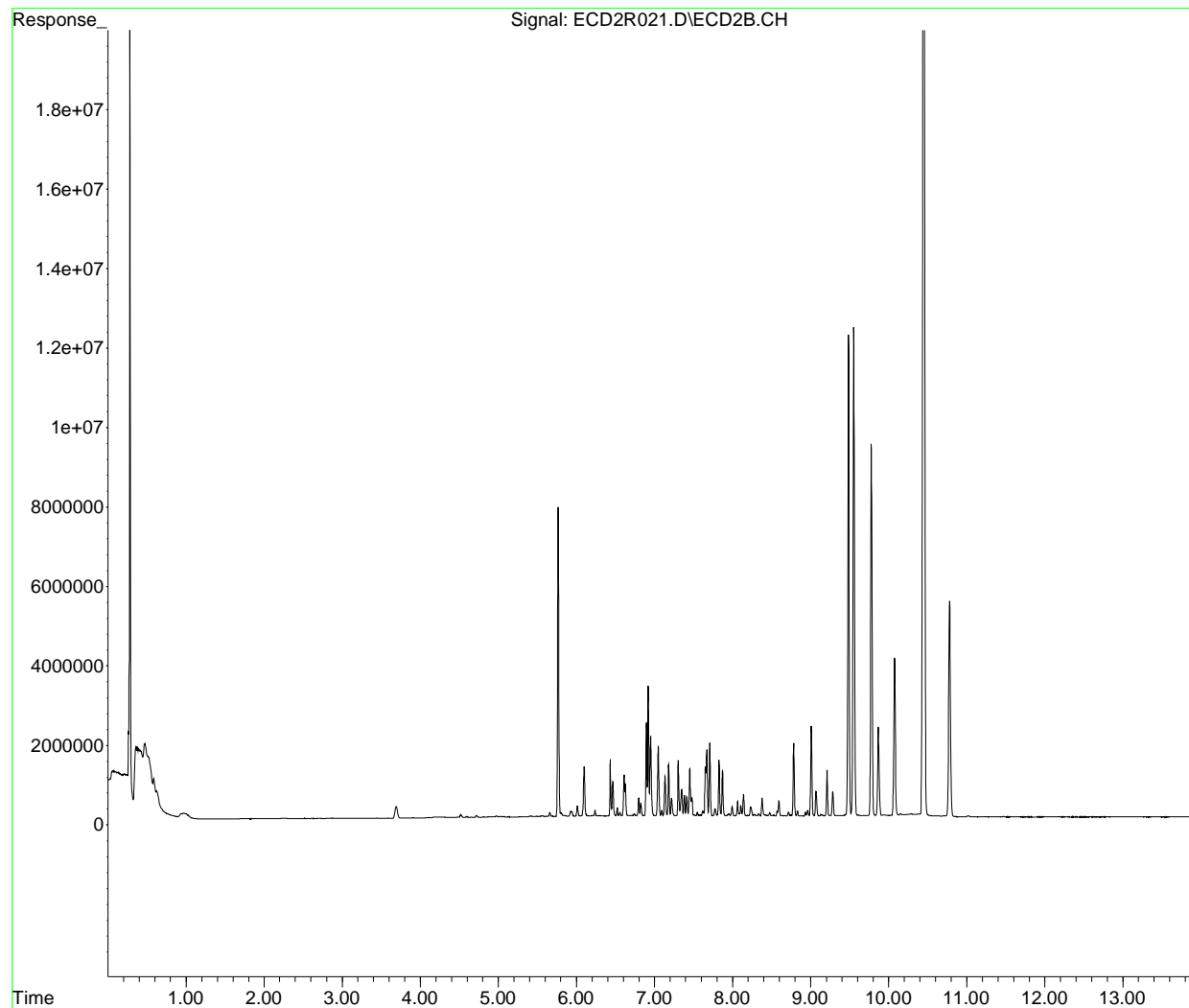
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 10:13 pm
Operator : MJB / KAK
Sample : 0F02063-ICV4
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:29:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 10:30 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV5
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:30:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1248

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.769	2193	0.010 ng/ml
64) S DCBP (S)	10.774	2004	0.011 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.434	771091	194.689 ng/ml
3) Aroclor 1016 (2)	6.920	1764535	198.882 ng/ml
4) Aroclor 1016 (3)	7.046	919371	195.081 ng/ml
5) Aroclor 1016 (4)	7.134	1734776	582.402 ng/ml
6) Aroclor 1016 (5)	7.180	1860223	505.587 ng/ml
7) Aroclor 1016 (6)	7.304	2398170	611.299 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.939	13073	10.044 ng/ml
10) Aroclor 1221 (2)	6.011	26873	21.397 ng/ml
11) Aroclor 1221 (3)	6.098	153826	35.423 ng/ml
12) Aroclor 1221 (4)	6.607	375693	572.006 ng/ml
13) Aroclor 1221 (5)	6.920	1764535	2856.246 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.098	153826	42.490 ng/ml
16) Aroclor 1232 (2)	6.434	771091	489.511 ng/ml
17) Aroclor 1232 (3)	6.920	1764535	492.631 ng/ml
18) Aroclor 1232 (4)	7.134	1734776	1741.236 ng/ml
19) Aroclor 1232 (5)	7.180	1860223	1423.326 ng/ml
20) Aroclor 1232 (6)	7.304	2398170	1682.976 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.434	771091	286.709 ng/ml
23) Aroclor 1242 (2)	6.920	1764535	281.435 ng/ml
24) Aroclor 1242 (3)	7.046	919371	279.276 ng/ml
25) Aroclor 1242 (4)	7.134	1734776	924.401 ng/ml
26) Aroclor 1242 (5)	7.180	1860223	729.490 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 10:30 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV5
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:30:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.304	2398170	895.823	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.893	1540804	472.989	ng/ml
30)	Aroclor 1248 (2)	7.134	1734776	497.939	ng/ml
31)	Aroclor 1248 (3)	7.180	1860223	505.616	ng/ml
32)	Aroclor 1248 (4)	7.304	2398170	509.529	ng/ml
33)	Aroclor 1248 (5)	7.669	3347187	546.958	ng/ml
34)	Aroclor 1248 (6)	7.826	3141518	547.350	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.650	2330577	420.773	ng/ml
37)	Aroclor 1254 (2)	7.826	3141518	339.729	ng/ml
38)	Aroclor 1254 (3)	8.139	1866545	157.353	ng/ml
39)	Aroclor 1254 (4)	8.377	1280767	145.908	ng/ml
40)	Aroclor 1254 (5)	8.712	297556	31.646	ng/ml
41)	Aroclor 1254 (6)	8.942	121290	41.131	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.276	139510	18.310	ng/ml
44)	Aroclor 1260 (2)	8.477	195636	20.954	ng/ml
45)	Aroclor 1260 (3)	8.712	297556	26.210	ng/ml
46)	Aroclor 1260 (4)	9.208	59057	3.071	ng/ml
47)	Aroclor 1260 (5)	9.479	45611	4.110	ng/ml
48)	Aroclor 1260 (6)	10.074	21060	3.991	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.477	195636	28.794	ng/ml
51)	Aroclor 1262 (2)	8.783	19713	1.977	ng/ml
52)	Aroclor 1262 (3)	8.942	121290	14.326	ng/ml
53)	Aroclor 1262 (4)	9.208	59057	2.845	ng/ml
54)	Aroclor 1262 (5)	9.479	45611	3.694	ng/ml
55)	Aroclor 1262 (6)	10.074	21060	3.199	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.007	2819	0.649	ng/ml

513.397

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 10:30 pm
 Operator : MJB / KAK
 Sample : 0F02063-ICV5
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:30:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.479	45611	1.931 ng/ml
59)	Aroclor 1268 (3)	9.549	19289	0.782 ng/ml
60)	Aroclor 1268 (4)	9.780	5513	0.278 ng/ml
61)	Aroclor 1268 (5)	10.074	21060	2.783 ng/ml
62)	Aroclor 1268 (6)	10.448	6494	0.091 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

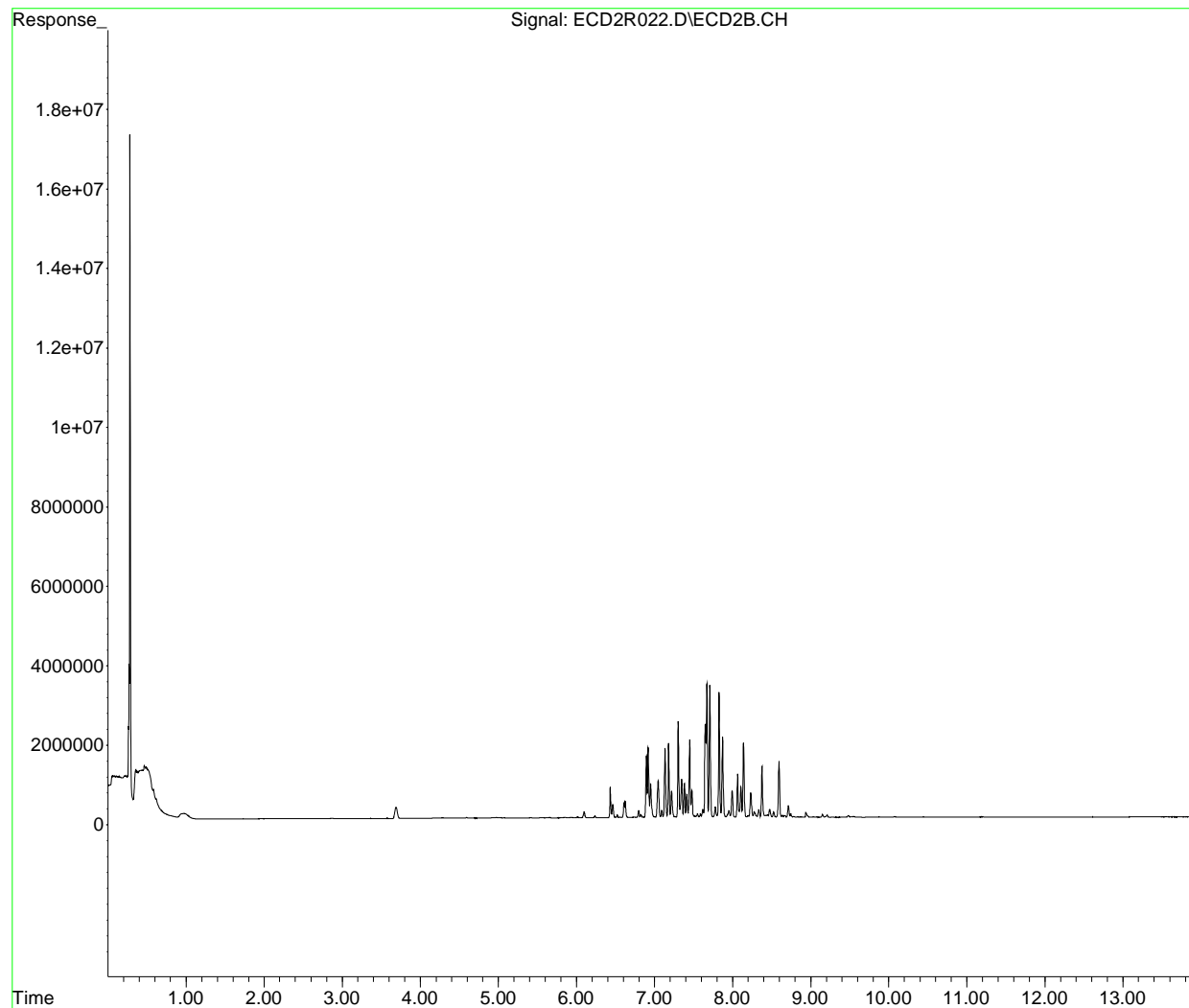
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 10:30 pm
Operator : MJB / KAK
Sample : 0F02063-ICV5
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:30:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:56 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:15:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	1850928	8.702 ng/ml
64) S DCBP (S)	10.784	1387791	7.572 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.436	94264	23.800 ng/ml
3) Aroclor 1016 (2)	6.923	186668	21.040 ng/ml
4) Aroclor 1016 (3)	7.050	103307	21.921 ng/ml ✓
5) Aroclor 1016 (4)	7.137	73870	24.800 ng/ml
6) Aroclor 1016 (5)	7.182	89310	24.274 ng/ml
7) Aroclor 1016 (6)	7.307	89786	22.887 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:56 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:15:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	173176	22.729	ng/ml
44)	Aroclor 1260 (2)	8.483	210380	22.534	ng/ml
45)	Aroclor 1260 (3)	8.715	236371	20.821	ng/ml
46)	Aroclor 1260 (4)	9.211	372113	19.352	ng/ml
47)	Aroclor 1260 (5)	9.484	227935	20.539	ng/ml
48)	Aroclor 1260 (6)	10.078	119348	22.617	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:56 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:15:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

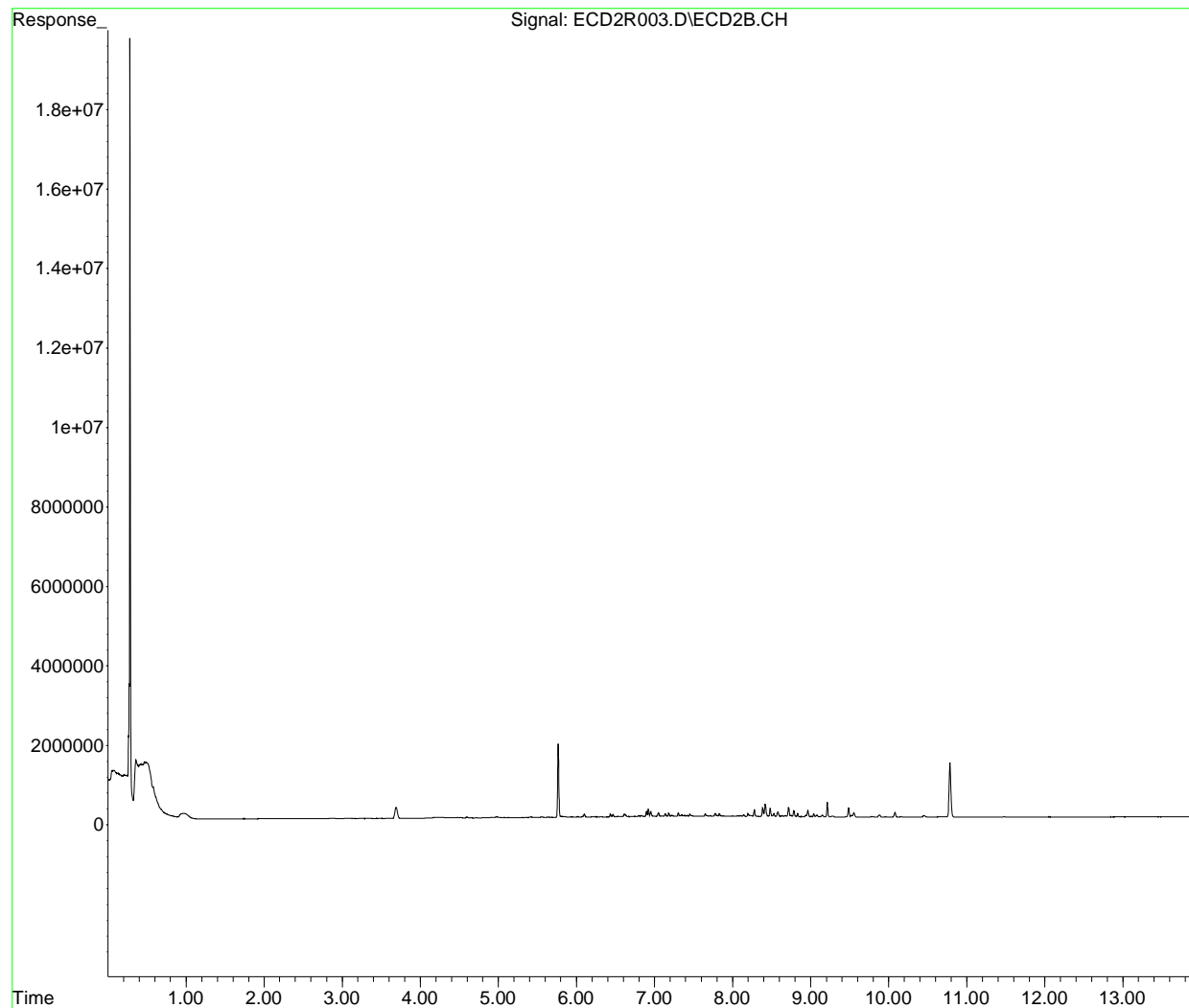
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 4:56 pm
Operator : MJB / KAK
Sample : 0F02063-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:15:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:16:46 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	5040315	23.697 ng/ml
64) S DCBP (S)	10.785	3548792	19.363 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.437	220438	55.657 ng/ml
3) Aroclor 1016 (2)	6.923	453554	51.120 ng/ml
4) Aroclor 1016 (3)	7.050	250258	53.102 ng/ml ✓
5) Aroclor 1016 (4)	7.138	165262	55.482 ng/ml
6) Aroclor 1016 (5)	7.183	200876	54.596 ng/ml
7) Aroclor 1016 (6)	7.307	216520	55.191 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:16:46 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	401998	52.761	ng/ml
44)	Aroclor 1260 (2)	8.483	469041	50.239	ng/ml
45)	Aroclor 1260 (3)	8.715	564784	49.749	ng/ml
46)	Aroclor 1260 (4)	9.211	871946	45.347	ng/ml
47)	Aroclor 1260 (5)	9.484	546346	49.231	ng/ml
48)	Aroclor 1260 (6)	10.078	290933	55.134	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:16:46 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

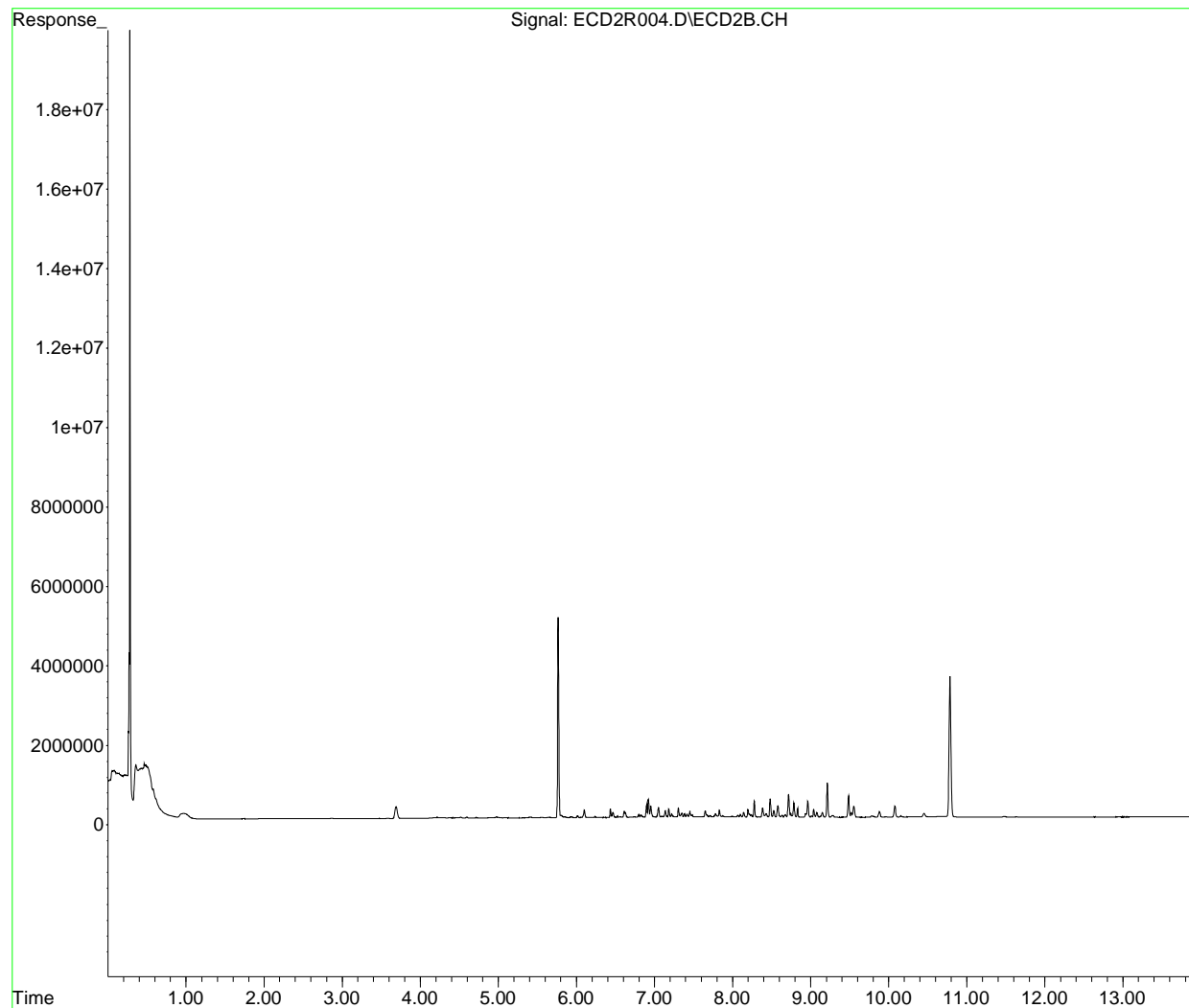
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 5:13 pm
Operator : MJB / KAK
Sample : 0F02063-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:16:46 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:31 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:18:09 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.767	10023323	47.124	ng/ml
64) S DCBP (S)	10.784	7245662	39.534	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.437	400839	101.206	ng/ml
3) Aroclor 1016 (2)	6.923	857533	96.653	ng/ml
4) Aroclor 1016 (3)	7.050	467551	99.209	ng/ml
5) Aroclor 1016 (4)	7.137	301927	101.364	ng/ml ✓
6) Aroclor 1016 (5)	7.183	366765	99.682	ng/ml
7) Aroclor 1016 (6)	7.307	389659	99.325	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:31 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:18:09 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	737349	96.774	ng/ml
44)	Aroclor 1260 (2)	8.483	911121	97.590	ng/ml
45)	Aroclor 1260 (3)	8.715	1094960	96.449	ng/ml
46)	Aroclor 1260 (4)	9.211	1777373	92.435	ng/ml
47)	Aroclor 1260 (5)	9.483	1102442	99.340	ng/ml
48)	Aroclor 1260 (6)	10.078	515882	97.763	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:31 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:18:09 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

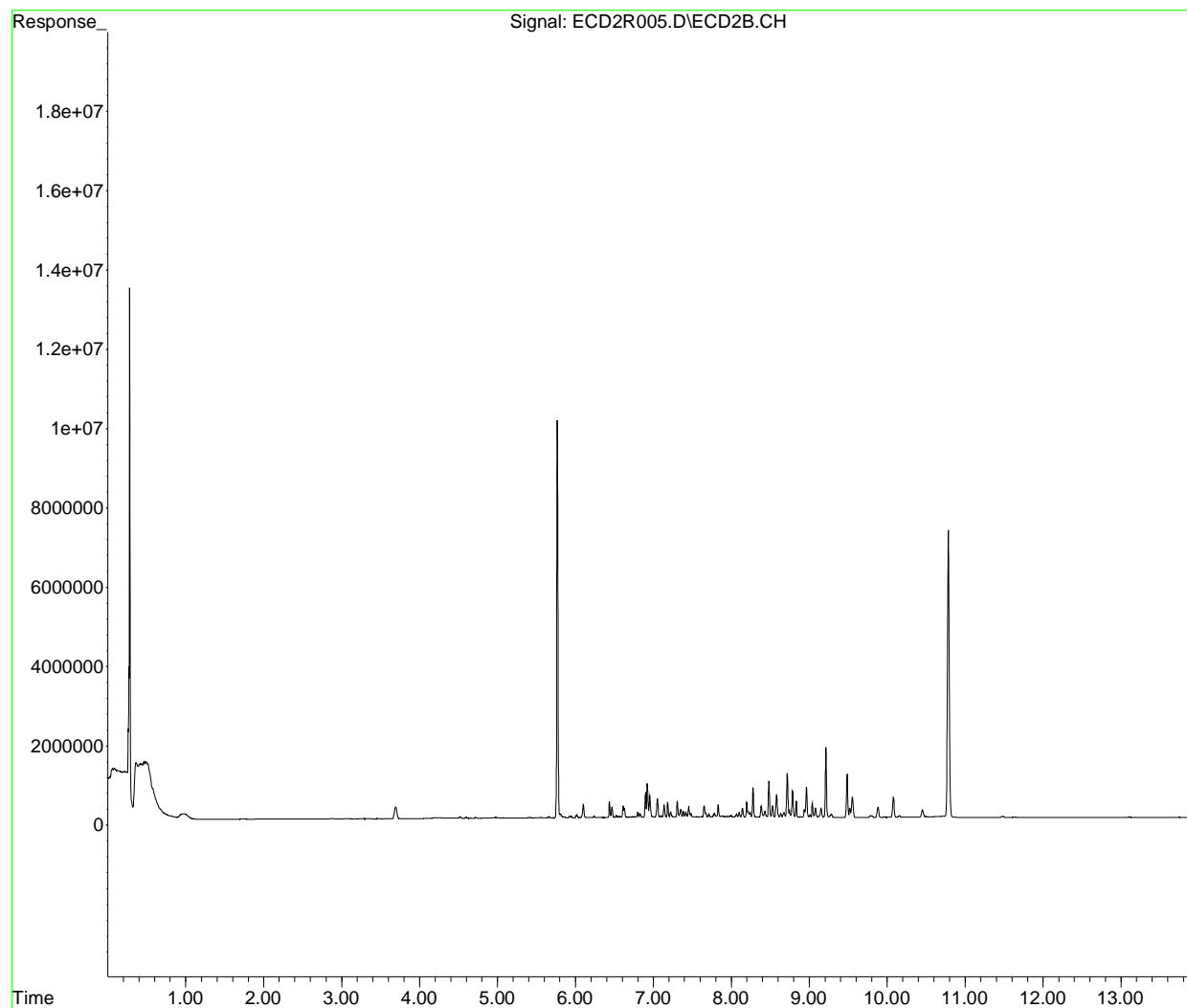
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 5:31 pm
Operator : MJB / KAK
Sample : 0F02063-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:18:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:48 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:19:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.767	21177685	99.566	ng/ml
64) S DCBP (S)	10.783	15906221	86.787	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.436	771368	194.758	ng/ml
3) Aroclor 1016 (2)	6.923	1755909	197.910	ng/ml
4) Aroclor 1016 (3)	7.050	929885	197.312	ng/ml
5) Aroclor 1016 (4)	7.137	576755	193.629	ng/ml ✓
6) Aroclor 1016 (5)	7.182	713835	194.012	ng/ml
7) Aroclor 1016 (6)	7.307	778507	198.443	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:48 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:19:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	1494837	196.192	ng/ml
44)	Aroclor 1260 (2)	8.483	1774264	190.040	ng/ml
45)	Aroclor 1260 (3)	8.714	2213531	194.978	ng/ml
46)	Aroclor 1260 (4)	9.211	3847434	200.092	ng/ml ✓
47)	Aroclor 1260 (5)	9.483	2133742	192.269	ng/ml
48)	Aroclor 1260 (6)	10.078	1024231	194.099	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:48 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:19:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

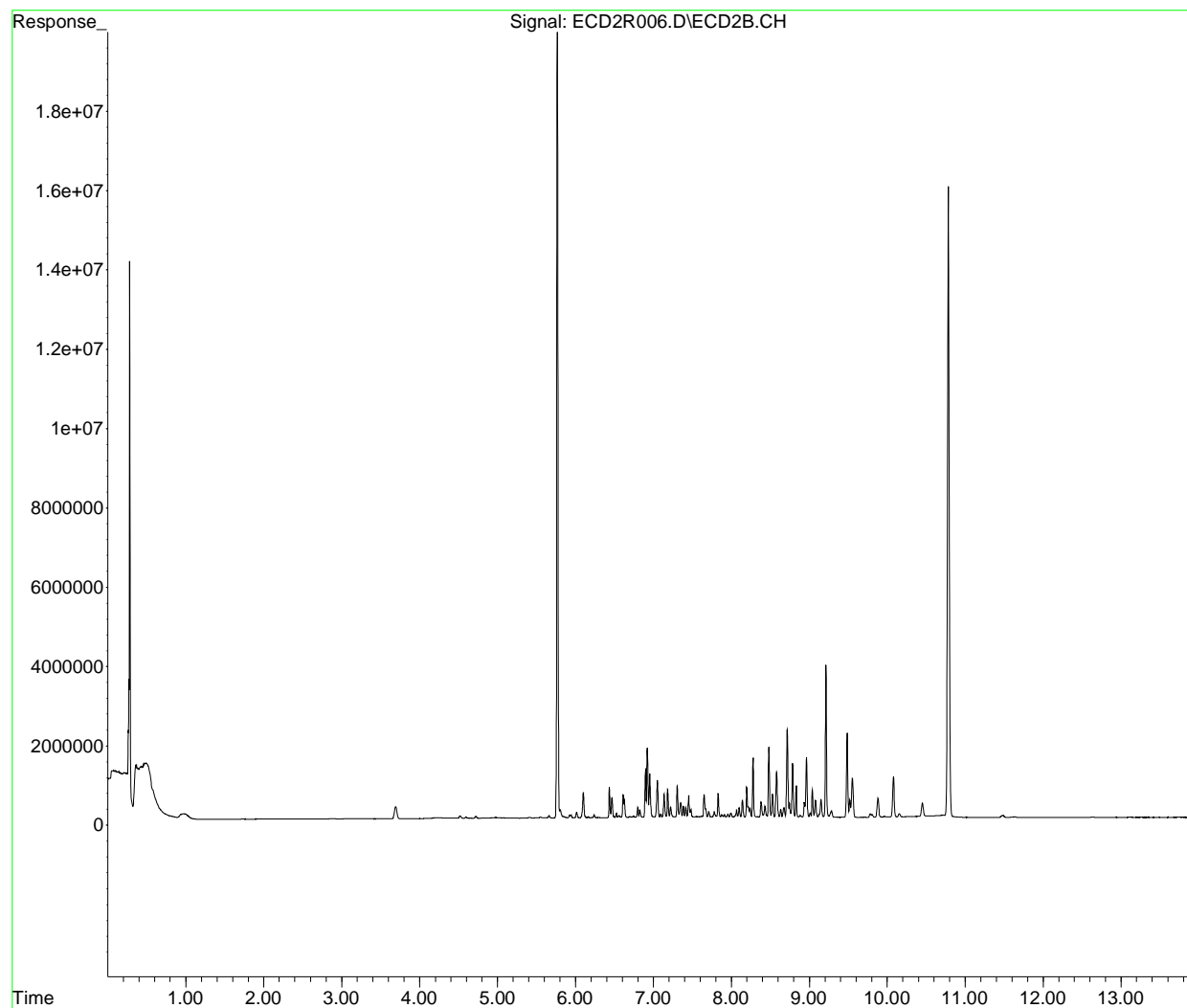
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 5:48 pm
Operator : MJB / KAK
Sample : 0F02063-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:19:38 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:06 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:21:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units	

System Monitoring Compounds					
1) S TCMX (S)	5.768	51044628	239.985	ng/ml	
64) S DCBP (S)	10.785	37927790	206.941	ng/ml	✓
Target Compounds					
2) Aroclor 1016 (1)	6.436	1824671	460.701	ng/ml	
3) Aroclor 1016 (2)	6.923	4297373	484.361	ng/ml	
4) Aroclor 1016 (3)	7.050	2253442	478.156	ng/ml	
5) Aroclor 1016 (4)	7.137	1365904	458.564	ng/ml	✓
6) Aroclor 1016 (5)	7.182	1718014	466.937	ng/ml	
7) Aroclor 1016 (6)	7.307	1867104	475.929	ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:06 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:21:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.277	3608319	473.578	ng/ml
44)	Aroclor 1260 (2)	8.483	4453341	476.994	ng/ml
45)	Aroclor 1260 (3)	8.715	5617515	494.816	ng/ml
46)	Aroclor 1260 (4)	9.211	9756878	507.421	ng/ml
47)	Aroclor 1260 (5)	9.483	5391849	485.853	ng/ml
48)	Aroclor 1260 (6)	10.078	2450040	464.301	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:06 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:21:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

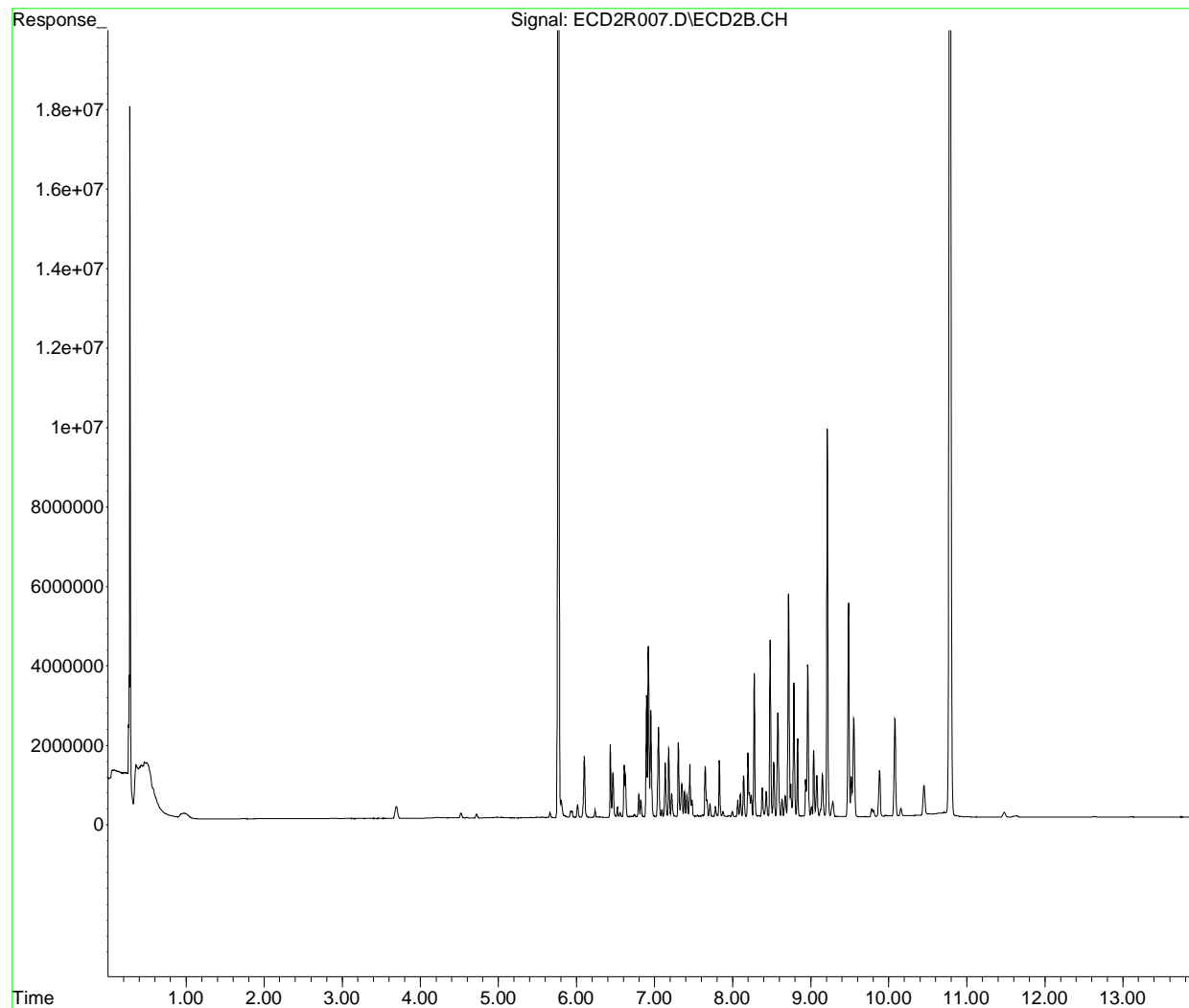
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 6:06 pm
Operator : MJB / KAK
Sample : 0F02063-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:21:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:24 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:22:25 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units	

System Monitoring Compounds					
1) S TCMX (S)	5.769	116656878	548.460	ng/ml	
64) S DCBP (S)	10.787	86983604	474.599	ng/ml	✓
Target Compounds					
2) Aroclor 1016 (1)	6.437	3485850	880.123	ng/ml	
3) Aroclor 1016 (2)	6.923	8614348	970.930	ng/ml	
4) Aroclor 1016 (3)	7.050	4343586	921.662	ng/ml	
5) Aroclor 1016 (4)	7.137	2522880	846.986	ng/ml	✓
6) Aroclor 1016 (5)	7.182	3205102	871.110	ng/ml	
7) Aroclor 1016 (6)	7.307	3471984	885.017	ng/ml	
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml	
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:24 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:22:25 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.277	6790443	891.220	ng/ml
44)	Aroclor 1260 (2)	8.483	9140064	978.986	ng/ml
45)	Aroclor 1260 (3)	8.715	10766905	948.397	ng/ml
46)	Aroclor 1260 (4)	9.211	19969307	1038.534	ng/ml ✓
47)	Aroclor 1260 (5)	9.484	10950742	986.758	ng/ml
48)	Aroclor 1260 (6)	10.079	4809519	911.439	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:24 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:22:25 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

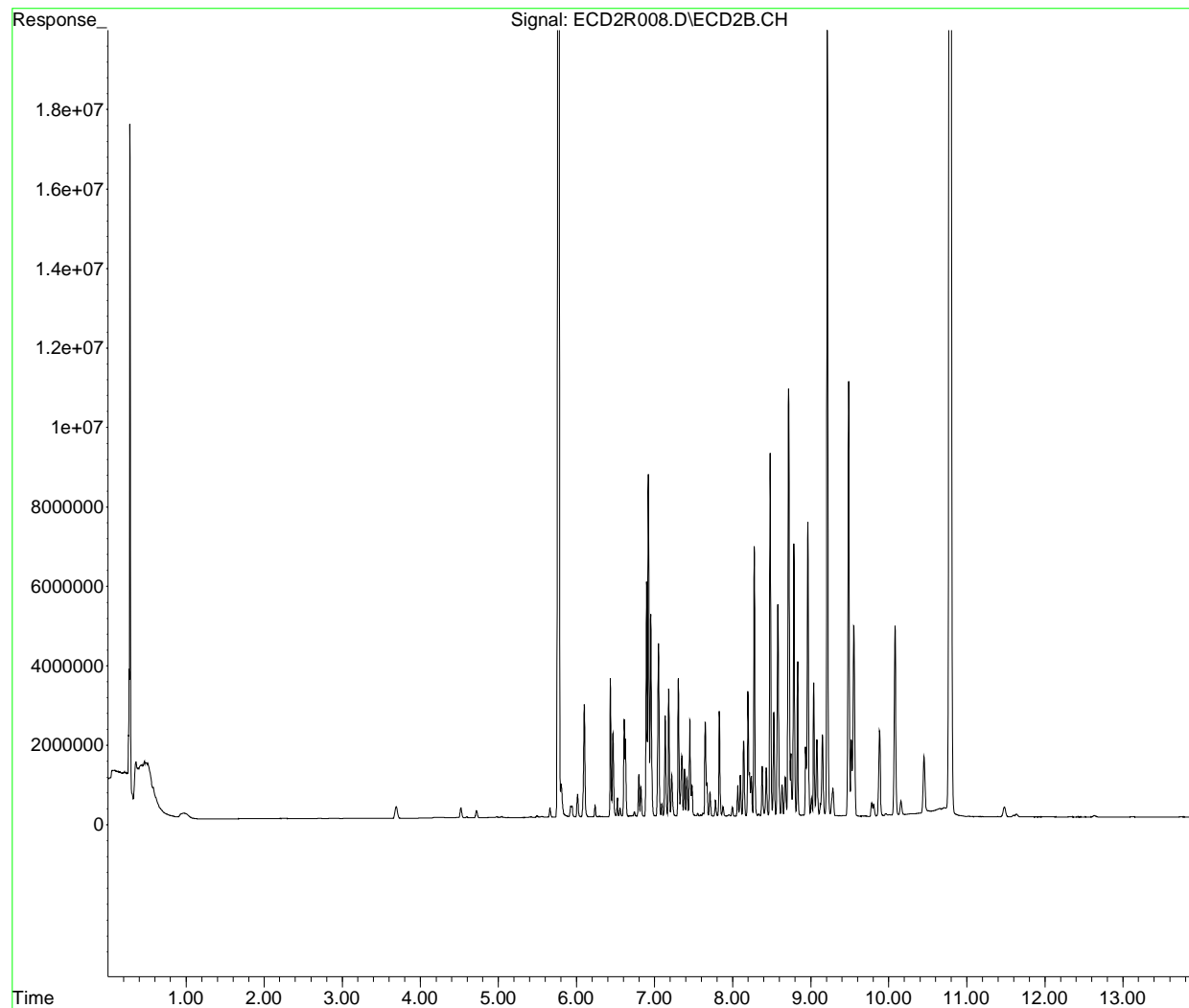
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 6:24 pm
Operator : MJB / KAK
Sample : 0F02063-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:22:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:41 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:23:48 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.772	201962245	949.521	ng/ml
64) S DCBP (S)	10.789	164987676	900.204	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.437	5403094	1364.198	ng/ml
3) Aroclor 1016 (2)	6.923	13706048	1544.820	ng/ml
4) Aroclor 1016 (3)	7.050	6965246	1477.950	ng/ml
5) Aroclor 1016 (4)	7.137	4041152	1356.703	ng/ml ✓
6) Aroclor 1016 (5)	7.183	5091473	1383.805	ng/ml
7) Aroclor 1016 (6)	7.308	5469714	1394.243	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:41 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:23:48 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	11672004	1531.907	ng/ml
44)	Aroclor 1260 (2)	8.484	14136988	1514.204	ng/ml
45)	Aroclor 1260 (3)	8.717	18503630	1629.882	ng/ml
46)	Aroclor 1260 (4)	9.213	33090120	1720.901	ng/ml
47)	Aroclor 1260 (5)	9.484	17898905	1612.849	ng/ml
48)	Aroclor 1260 (6)	10.079	7743402	1467.432	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:41 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:23:48 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:12:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

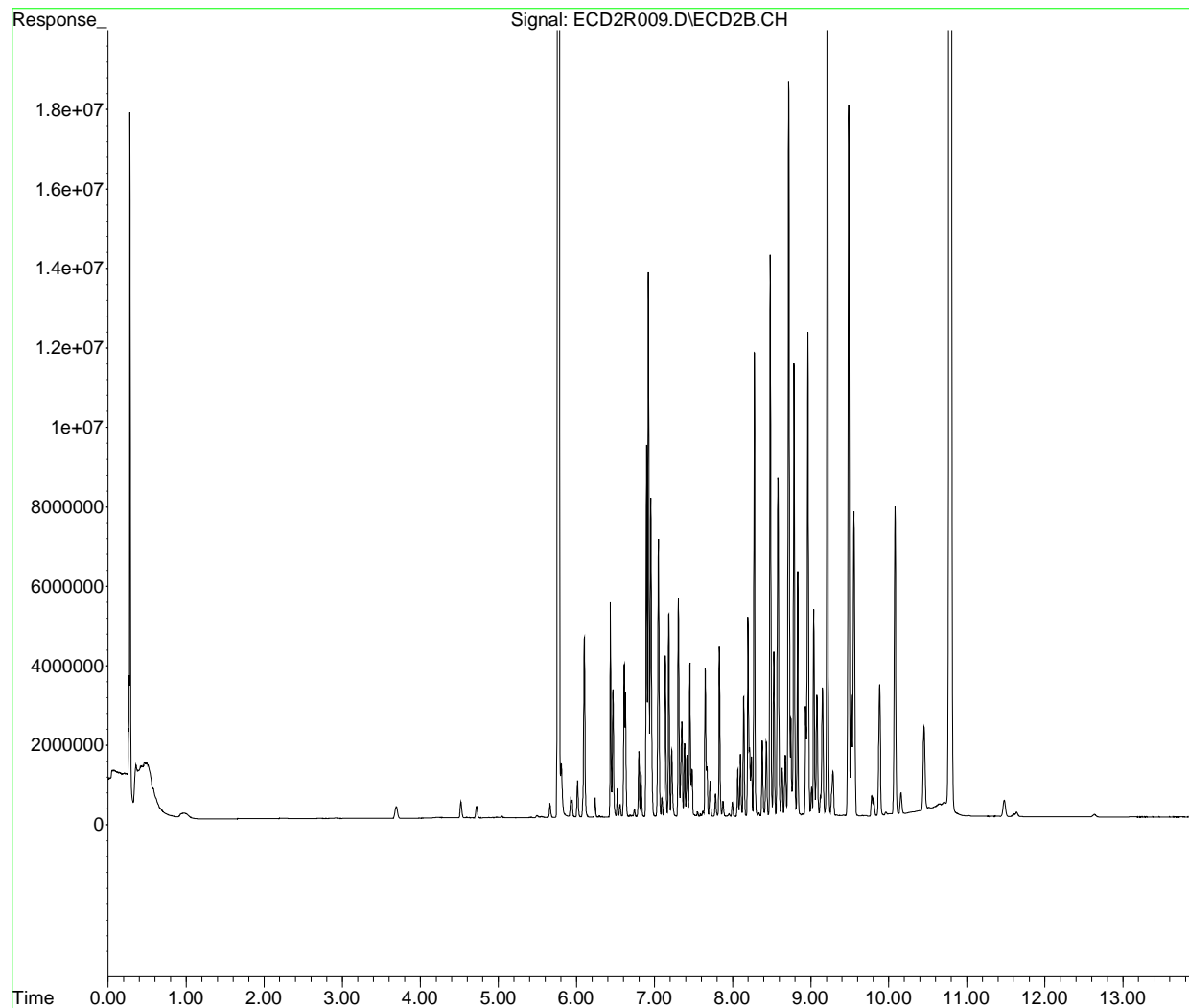
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 6:41 pm
Operator : MJB / KAK
Sample : 0F02063-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:23:48 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:12:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Hexane	E2A21015	1	Sample		
2	Vial 2	0F02062-CCV1	E2A21015	1	Sample		
3	Vial 3	0F02062-CCB1	E2A21015	1	Sample		
4	Vial 4	0051047-BLK1	E2A21015	1	Sample		
5	Vial 5	0051047-BS1	E2A21015	1	Sample		
6	Vial 6	A0D0764-01	E2A21015	1	Sample		
7	Vial 1	0F02062-IBL1	E2A21015	1	Sample		
8	Vial 7	0051047-DUP1	E2A21015	1	Sample		
9	Vial 1	0F02062-IBL2	E2A21015	1	Sample		
10	Vial 8	A0D0764-02	E2A21015	1	Sample		
11	Vial 1	0F02062-IBL3	E2A21015	1	Sample		
12	Vial 9	A0E0764-09	E2A21015	1	Sample		
13	Vial 1	0F02062-IBL4	E2A21015	1	Sample		
14	Vial 10	0051047-MS1	E2A21015	1	Sample		
15	Vial 1	0F02062-IBL5	E2A21015	1	Sample		
16	Vial 11	0051047-MSD1	E2A21015	1	Sample		
17	Vial 1	0F02062-IBL6	E2A21015	1	Sample		
18	Vial 12	A0E0132-04RE1	E2A21015	1	Sample		
19	Vial 1	0F02062-IBL7	E2A21015	1	Sample		
20	Vial 2	0F02062-CCV2	E2A21015	1	Sample		
21	Vial 3	0F02062-CCB2	E2A21015	1	Sample		
22	Vial 1	Hexane	E2A21015	1	Sample		

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	none	Hexane	E2A21015	1	Sample		
2	Vial 52	0F02063-ICB1	E2A21015	1	Sample		
3	Vial 53	0F02063-CAL1	E2A21015	1	Sample		
4	Vial 54	0F02063-CAL2	E2A21015	1	Sample		
5	Vial 55	0F02063-CAL3	E2A21015	1	Sample		
6	Vial 56	0F02063-CAL4	E2A21015	1	Sample		
7	Vial 57	0F02063-CAL5	E2A21015	1	Sample		
8	Vial 58	0F02063-CAL6	E2A21015	1	Sample		
9	Vial 59	0F02063-CAL7	E2A21015	1	Sample		
10	Vial 51	0F02063-IBL1	E2A21015	1	Sample		
11	Vial 60	0F02063-ICV1	E2A21015	1	Sample		
12	Vial 61	0F02063-CAL8	E2A21015	1	Sample		
13	Vial 62	0F02063-CAL9	E2A21015	1	Sample		
14	Vial 63	0F02063-CALA	E2A21015	1	Sample		
15	Vial 64	0F02063-CALB	E2A21015	1	Sample		
16	Vial 65	0F02063-CALC	E2A21015	1	Sample		
17	Vial 66	0F02063-CALD	E2A21015	1	Sample		
18	Vial 67	0F02063-CALE	E2A21015	1	Sample		
19	Vial 68	0F02063-ICV2	E2A21015	1	Sample		
20	Vial 69	0F02063-ICV3	E2A21015	1	Sample		
21	Vial 70	0F02063-ICV4	E2A21015	1	Sample		
22	Vial 71	0F02063-ICV5	E2A21015	1	Sample		

MJB
6/3/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:56 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 11:46:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	1850928	6.012 ng/ml
64) S DCBP (S)	10.784	1387791	8.094 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.436	94264	10.707 ng/ml
3) Aroclor 1016 (2)	6.923	186668	11.571 ng/ml
4) Aroclor 1016 (3)	7.050	103307	13.082 ng/ml
5) Aroclor 1016 (4)	7.137	73870	10.259 ng/ml
6) Aroclor 1016 (5)	7.182	89310	10.873 ng/ml
7) Aroclor 1016 (6)	7.307	89786	10.752 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:56 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 11:46:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
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)	8.278	173176	10.863	ng/ml
44)	Aroclor 1260 (2)	8.483	210380	10.654	ng/ml
45)	Aroclor 1260 (3)	8.715	236371	11.651	ng/ml
46)	Aroclor 1260 (4)	9.211	372113	11.678	ng/ml
47)	Aroclor 1260 (5)	9.484	227935	12.324	ng/ml
48)	Aroclor 1260 (6)	10.078	119348	16.554	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 4:56 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 11:46:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

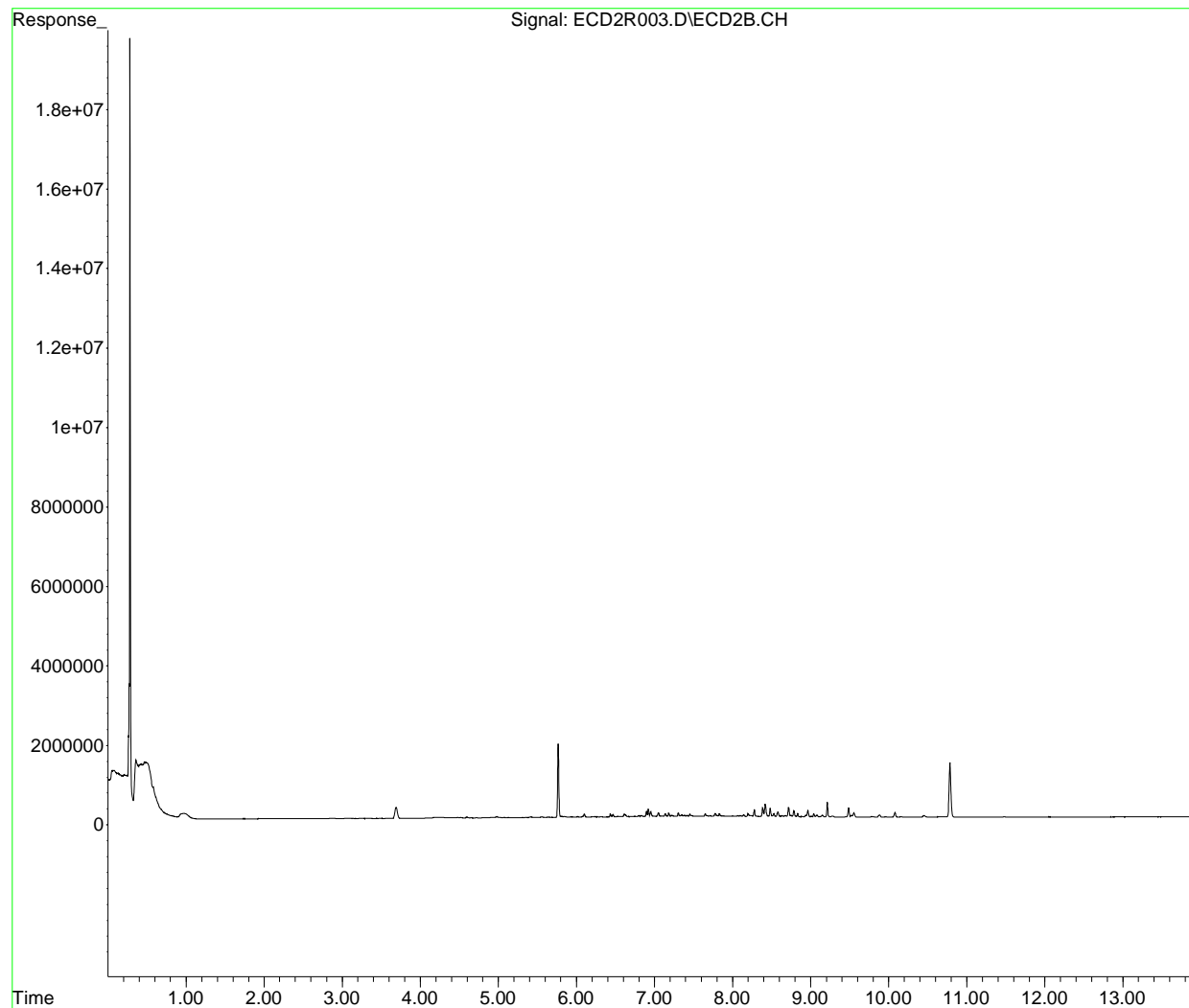
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 4:56 pm
Operator : MJB / KAK
Sample : 0F02063-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 11:46:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 11:42:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 11:47:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.766	5040315	16.371 ng/ml
64) S DCBP (S)	10.785	3548792	20.697 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.437	220438	25.038 ng/ml
3) Aroclor 1016 (2)	6.923	453554	28.115 ng/ml
4) Aroclor 1016 (3)	7.050	250258	31.690 ng/ml
5) Aroclor 1016 (4)	7.138	165262	22.951 ng/ml
6) Aroclor 1016 (5)	7.183	200876	24.455 ng/ml
7) Aroclor 1016 (6)	7.307	216520	25.927 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 11:47:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	401998	25.217	ng/ml
44)	Aroclor 1260 (2)	8.483	469041	23.753	ng/ml
45)	Aroclor 1260 (3)	8.715	564784	27.839	ng/ml
46)	Aroclor 1260 (4)	9.211	871946	27.365	ng/ml
47)	Aroclor 1260 (5)	9.484	546346	29.541	ng/ml
48)	Aroclor 1260 (6)	10.078	290933	40.354	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:13 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 11:47:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

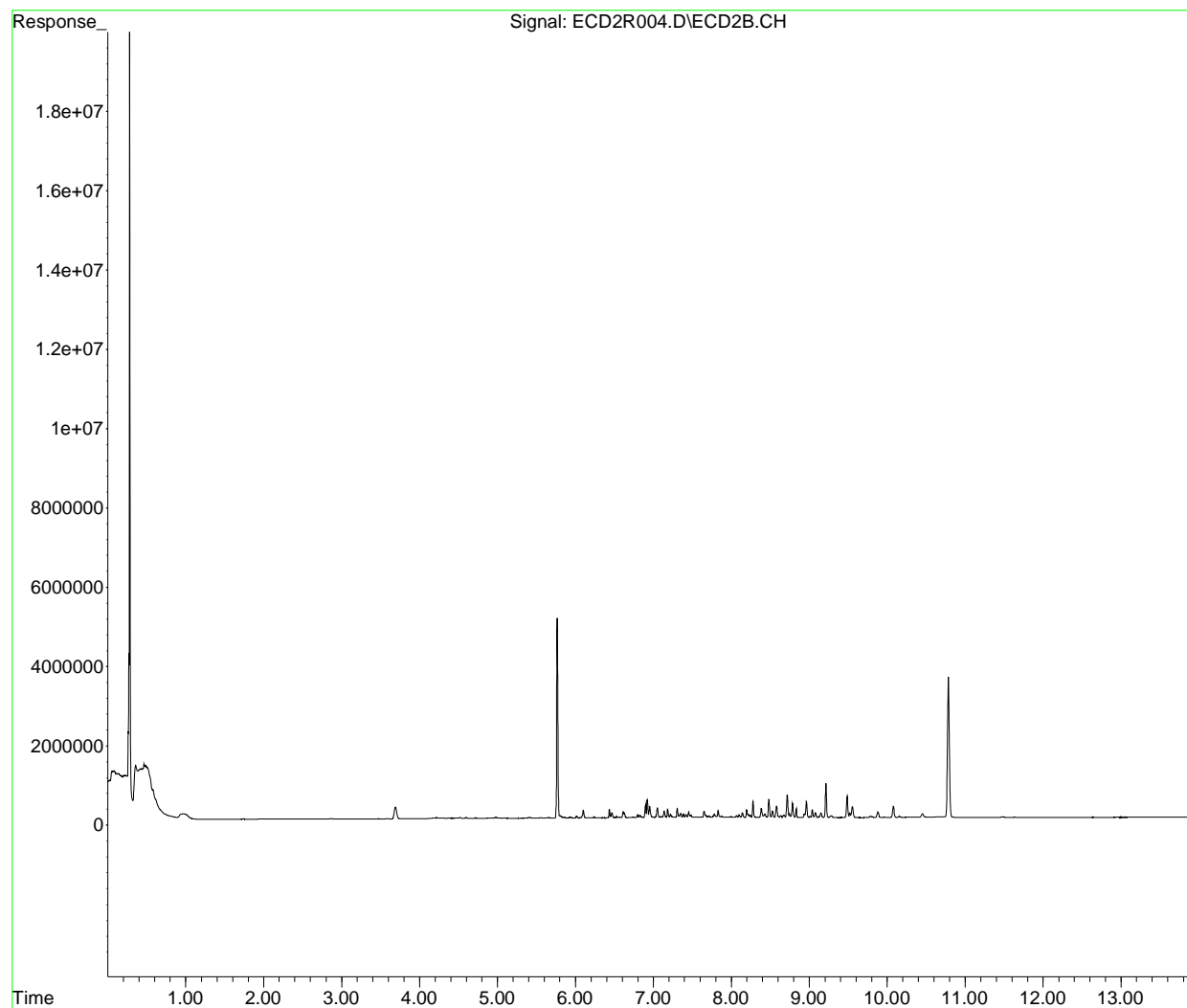
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 5:13 pm
Operator : MJB / KAK
Sample : 0F02063-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 11:47:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 11:42:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:31 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:24:04 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.767	10023323	32.557 ng/ml
64) S DCBP (S)	10.784	7245662	42.257 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.437	400839	45.529 ng/ml
3) Aroclor 1016 (2)	6.923	857533	53.156 ng/ml
4) Aroclor 1016 (3)	7.050	467551	59.205 ng/ml
5) Aroclor 1016 (4)	7.137	301927	41.931 ng/ml
6) Aroclor 1016 (5)	7.183	366765	44.650 ng/ml
7) Aroclor 1016 (6)	7.307	389659	46.660 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:31 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:24:04 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	737349	46.254	ng/ml
44)	Aroclor 1260 (2)	8.483	911121	46.141	ng/ml
45)	Aroclor 1260 (3)	8.715	1094960	53.973	ng/ml
46)	Aroclor 1260 (4)	9.211	1777373	55.781	ng/ml
47)	Aroclor 1260 (5)	9.483	1102442	59.609	ng/ml
48)	Aroclor 1260 (6)	10.078	515882	71.556	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:31 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:24:04 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

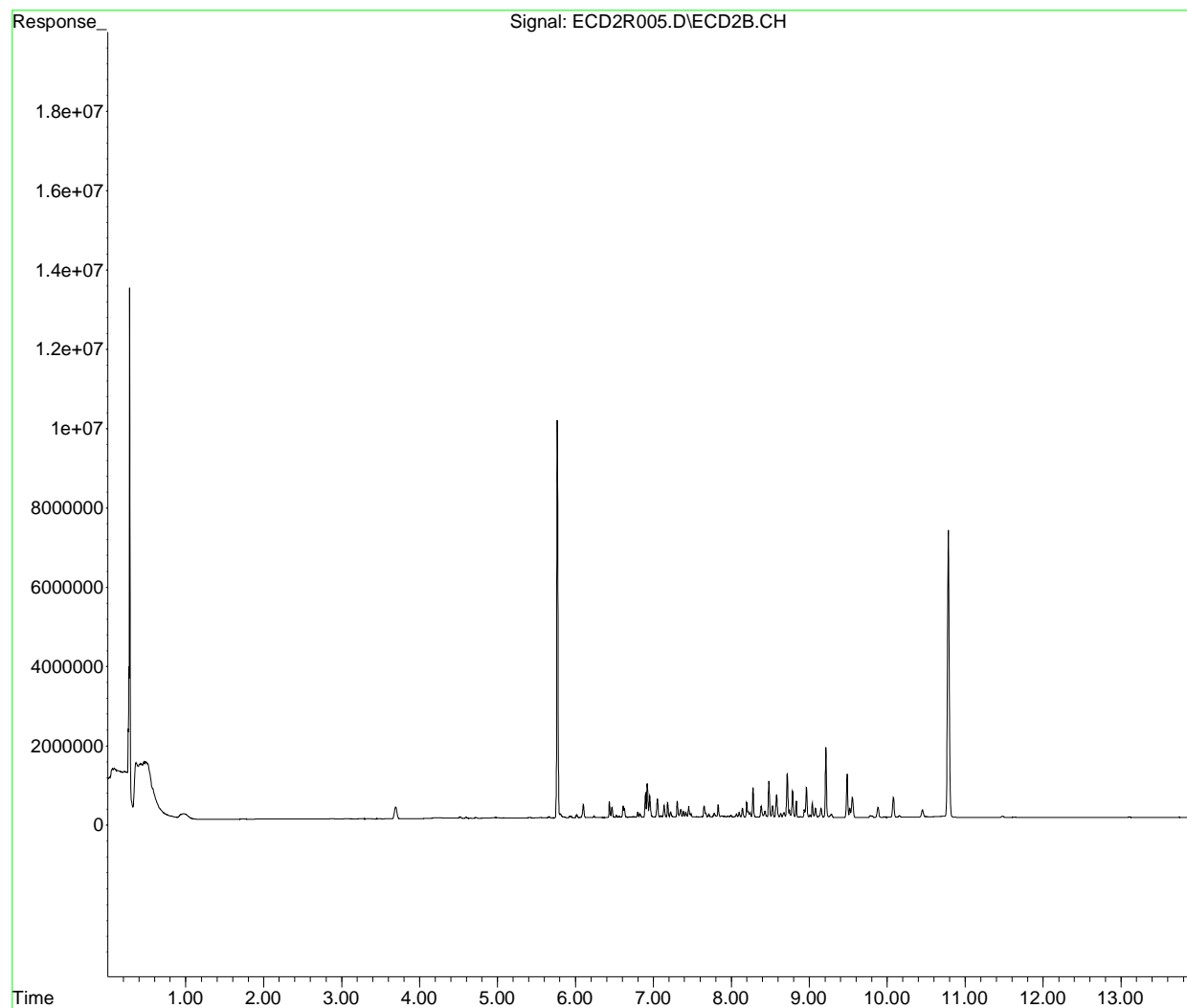
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 5:31 pm
Operator : MJB / KAK
Sample : 0F02063-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:24:04 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 11:42:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:48 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:25:05 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.767	21177685	68.787 ng/ml
64) S DCBP (S)	10.783	15906221	92.767 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.436	771368	87.614 ng/ml
3) Aroclor 1016 (2)	6.923	1755909	108.844 ng/ml
4) Aroclor 1016 (3)	7.050	929885	117.750 ng/ml
5) Aroclor 1016 (4)	7.137	576755	80.097 ng/ml
6) Aroclor 1016 (5)	7.182	713835	86.903 ng/ml
7) Aroclor 1016 (6)	7.307	778507	93.223 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:48 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:25:05 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	1494837	93.771	ng/ml
44)	Aroclor 1260 (2)	8.483	1774264	89.853	ng/ml
45)	Aroclor 1260 (3)	8.714	2213531	109.109	ng/ml
46)	Aroclor 1260 (4)	9.211	3847434	120.747	ng/ml
47)	Aroclor 1260 (5)	9.483	2133742	115.371	ng/ml
48)	Aroclor 1260 (6)	10.078	1024231	142.068	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 5:48 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:25:05 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

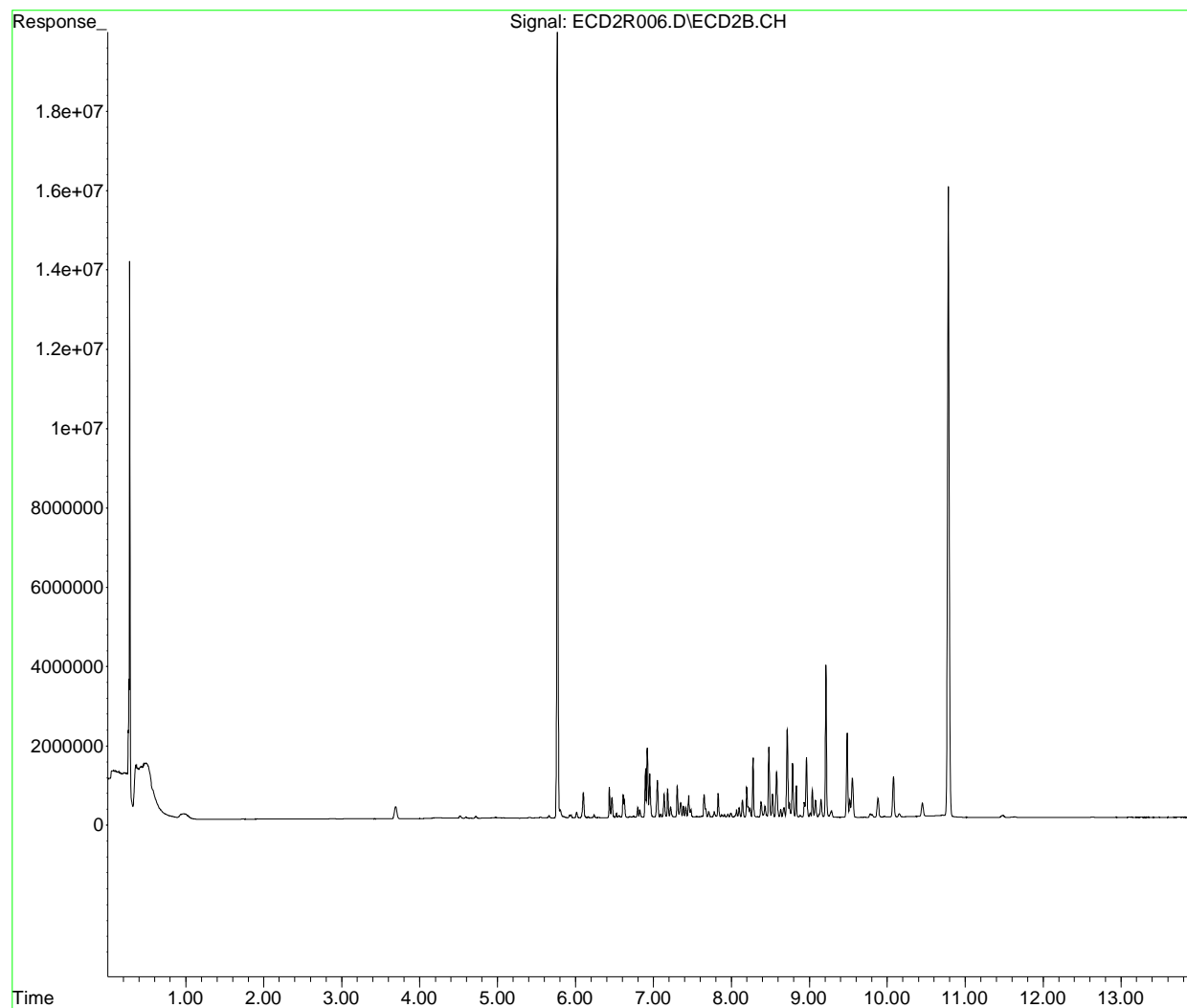
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 5:48 pm
Operator : MJB / KAK
Sample : 0F02063-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:25:05 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 11:42:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:06 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:26:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.768	51044628	165.798 ng/ml
64) S DCBP (S)	10.785	37927790	221.199 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.436	1824671	207.252 ng/ml
3) Aroclor 1016 (2)	6.923	4297373	266.382 ng/ml
4) Aroclor 1016 (3)	7.050	2253442	285.351 ng/ml
5) Aroclor 1016 (4)	7.137	1365904	189.691 ng/ml
6) Aroclor 1016 (5)	7.182	1718014	209.152 ng/ml
7) Aroclor 1016 (6)	7.307	1867104	223.577 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:06 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:26:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.277	3608319	226.350	ng/ml
44)	Aroclor 1260 (2)	8.483	4453341	225.528	ng/ml
45)	Aroclor 1260 (3)	8.715	5617515	276.898	ng/ml
46)	Aroclor 1260 (4)	9.211	9756878	306.209	ng/ml
47)	Aroclor 1260 (5)	9.483	5391849	291.536	ng/ml
48)	Aroclor 1260 (6)	10.078	2450040	339.838	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:06 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:26:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

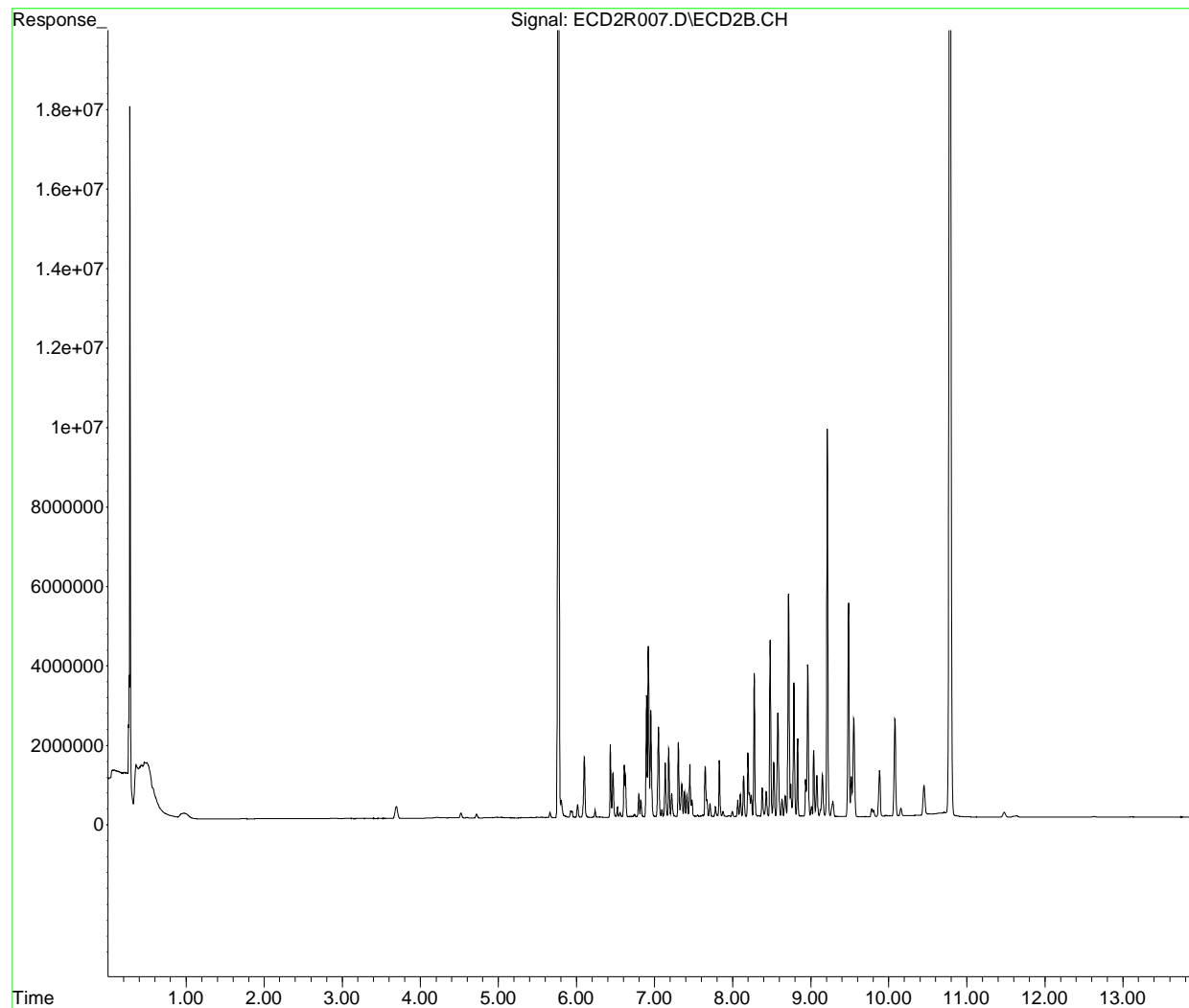
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 6:06 pm
Operator : MJB / KAK
Sample : 0F02063-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:26:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 11:42:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:24 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:27:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.769	116656878	378.912 ng/ml
64) S DCBP (S)	10.787	86983604	507.297 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.437	3485850	395.934 ng/ml
3) Aroclor 1016 (2)	6.923	8614348	533.980 ng/ml
4) Aroclor 1016 (3)	7.050	4343586	550.024 ng/ml
5) Aroclor 1016 (4)	7.137	2522880	350.368 ng/ml
6) Aroclor 1016 (5)	7.182	3205102	390.190 ng/ml
7) Aroclor 1016 (6)	7.307	3471984	415.755 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:24 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:27:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.277	6790443	425.964	ng/ml
44)	Aroclor 1260 (2)	8.483	9140064	462.874	ng/ml
45)	Aroclor 1260 (3)	8.715	10766905	530.721	ng/ml
46)	Aroclor 1260 (4)	9.211	19969307	626.714	ng/ml
47)	Aroclor 1260 (5)	9.484	10950742	592.104	ng/ml
48)	Aroclor 1260 (6)	10.079	4809519	667.114	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:24 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:27:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

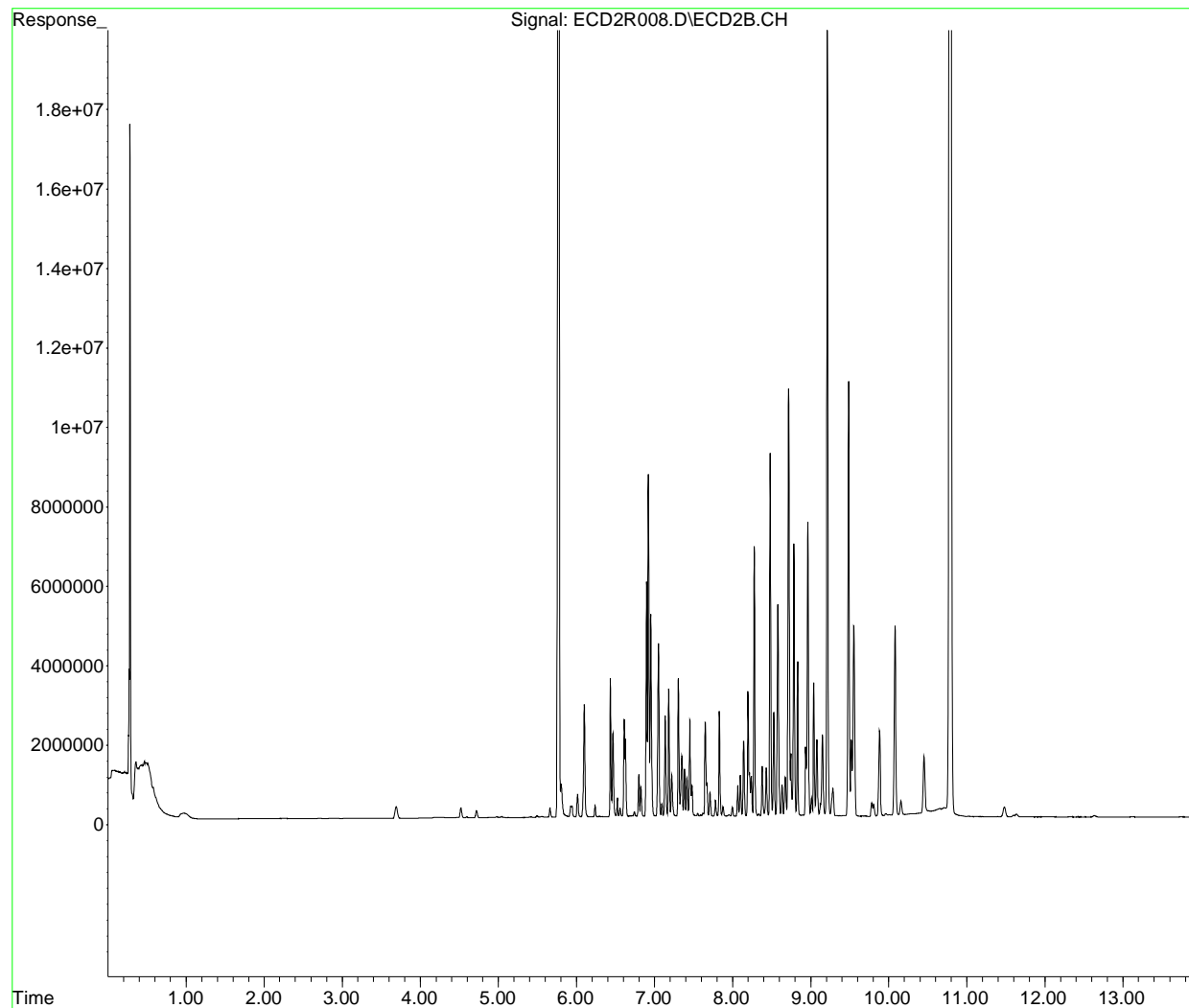
Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 6:24 pm
Operator : MJB / KAK
Sample : 0F02063-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
Quant Time: Jun 03 13:27:59 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 11:42:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:41 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:29:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.772	201962245	655.992 ng/ml
64) S DCBP (S)	10.789	164987676	962.224 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.437	5403094	613.701 ng/ml
3) Aroclor 1016 (2)	6.923	13706048	849.600 ng/ml
4) Aroclor 1016 (3)	7.050	6965246	882.002 ng/ml
5) Aroclor 1016 (4)	7.137	4041152	561.220 ng/ml
6) Aroclor 1016 (5)	7.183	5091473	619.838 ng/ml
7) Aroclor 1016 (6)	7.308	5469714	654.974 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:41 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:29:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.278	11672004	732.184	ng/ml
44)	Aroclor 1260 (2)	8.484	14136988	715.930	ng/ml
45)	Aroclor 1260 (3)	8.717	18503630	912.078	ng/ml
46)	Aroclor 1260 (4)	9.213	33090120	1038.496	ng/ml
47)	Aroclor 1260 (5)	9.484	17898905	967.790	ng/ml
48)	Aroclor 1260 (6)	10.079	7743402	1074.064	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 6:41 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:29:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 11:42:07 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

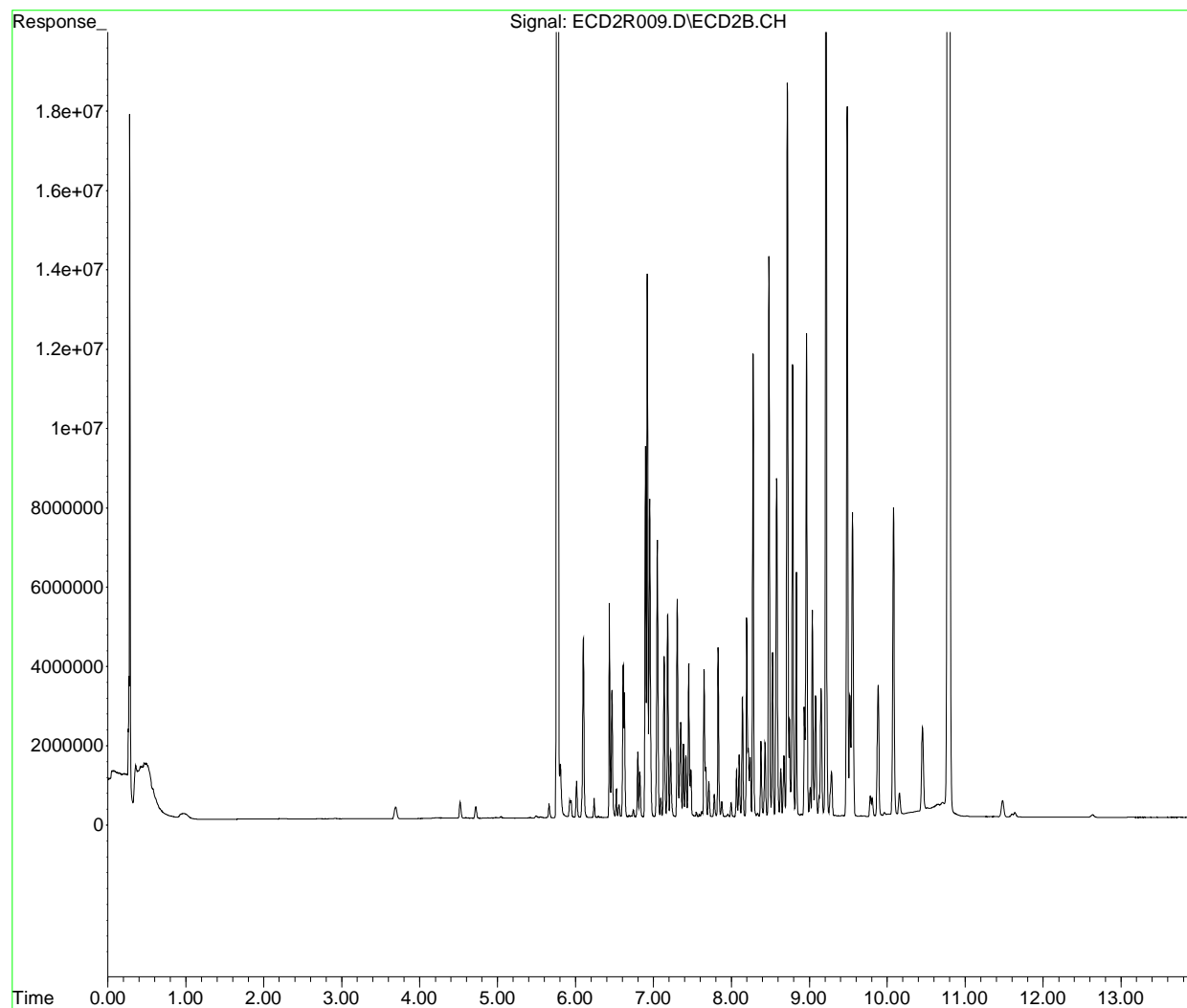
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 6:41 pm
Operator : MJB / KAK
Sample : 0F02063-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:29:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 11:42:07 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:34 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL8
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:30:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:29:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/mld
64) S DCBP (S)	0.000	0	N.D.	ng/mld
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9) Aroclor 1221 (1)	5.942	650817	287.558	ng/ml
10) Aroclor 1221 (2)	6.014	627981	284.831	ng/ml
11) Aroclor 1221 (3)	6.100	2171270	296.679	ng/ml
12) Aroclor 1221 (4)	6.609	328400	219.588	ng/ml
13) Aroclor 1221 (5)	6.923	308891	268.320	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:34 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL8
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:30:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:29:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:34 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL8
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:30:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:29:45 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

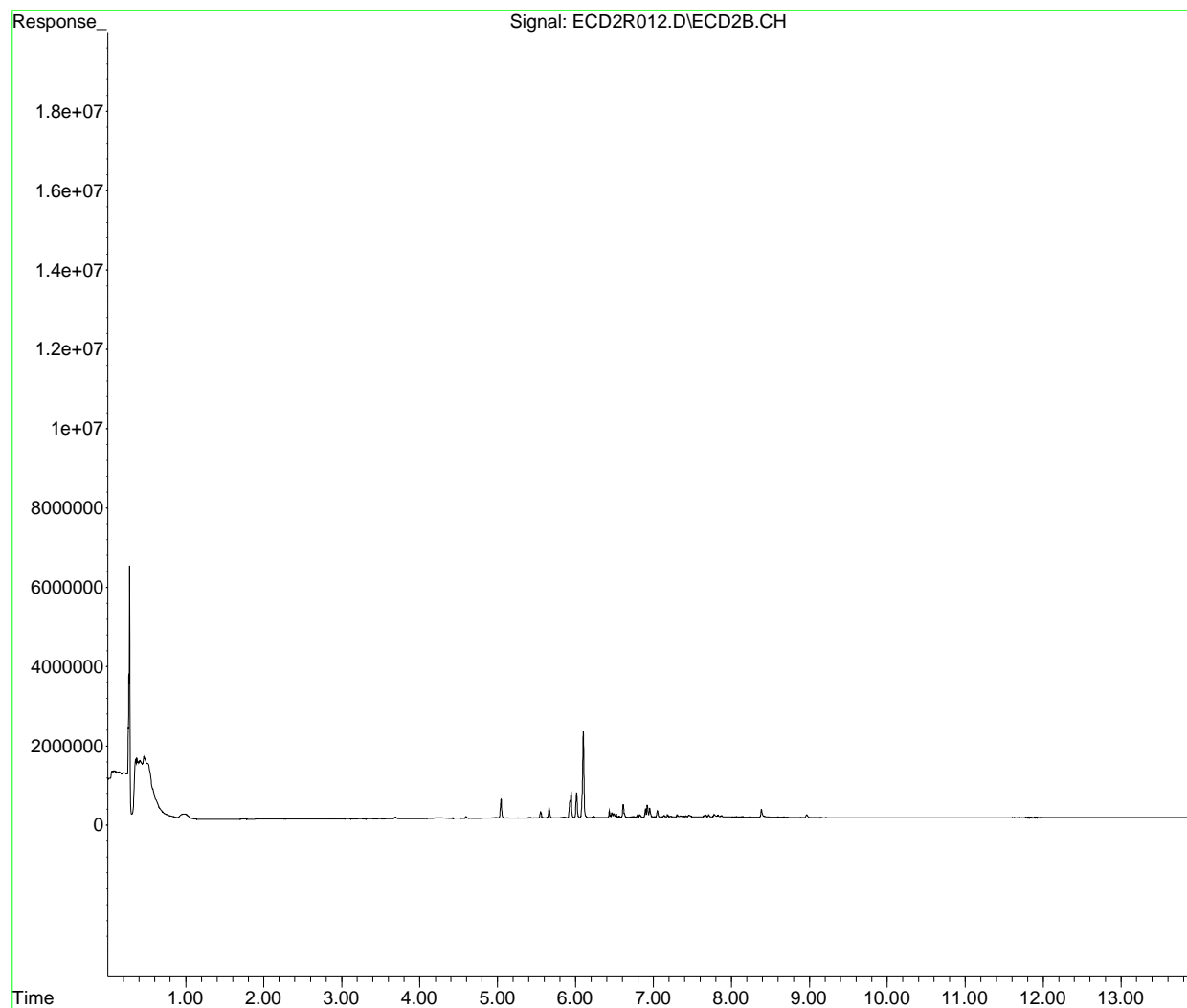
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 7:34 pm
Operator : MJB / KAK
Sample : 0F02063-CAL8
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:30:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 13:29:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:52 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL9
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:32:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:32:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.100	1810139	291.292	ng/ml
16) Aroclor 1232 (2)	6.436	787614	214.398	ng/ml
17) Aroclor 1232 (3)	6.922	1790930	264.245	ng/ml
18) Aroclor 1232 (4)	7.136	498145	209.213	ng/ml
19) Aroclor 1232 (5)	7.181	653477	219.650	ng/ml
20) Aroclor 1232 (6)	7.306	712479	230.284	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:52 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL9
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:32:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:32:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 7:52 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL9
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:32:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:32:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

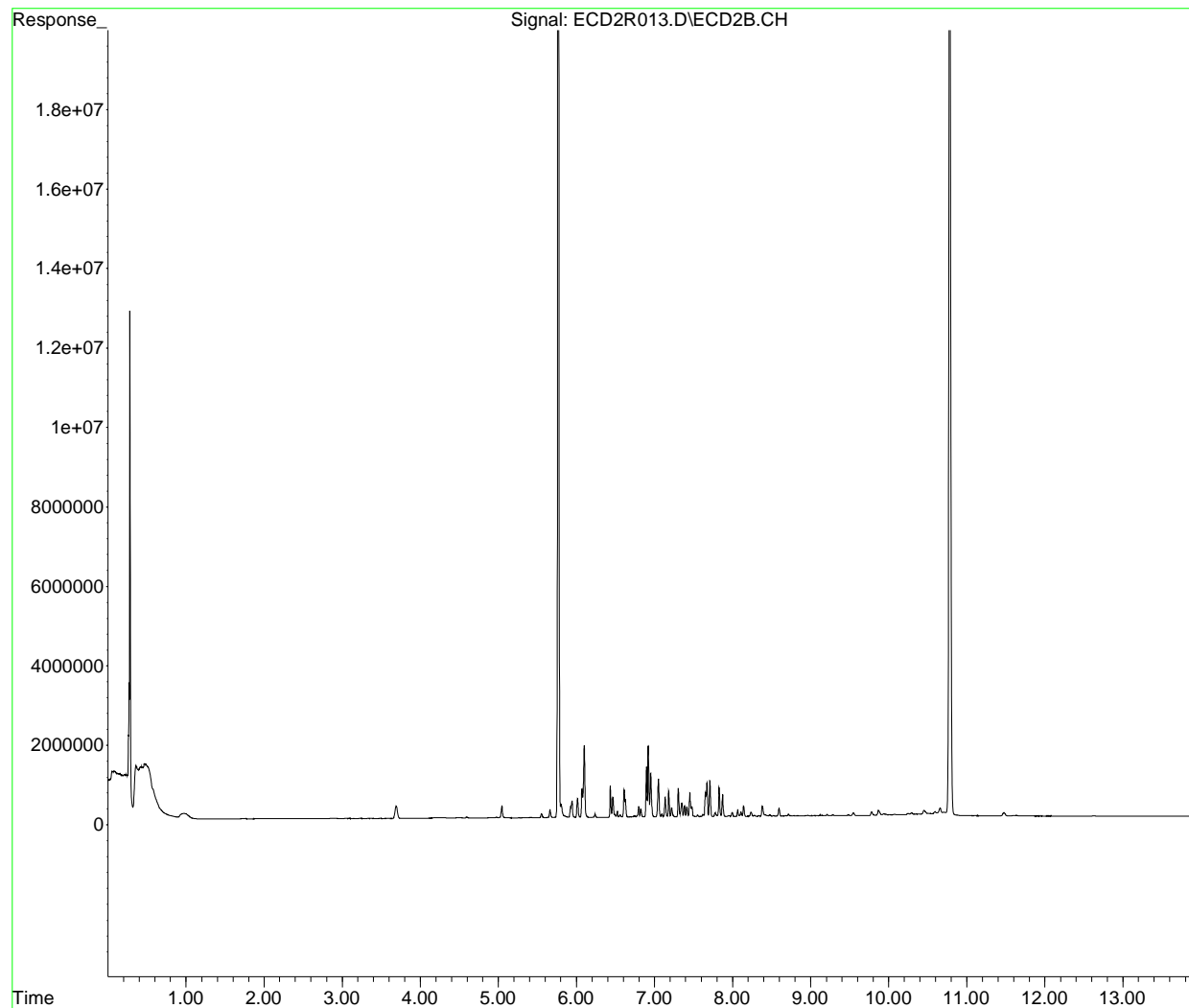
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 7:52 pm
Operator : MJB / KAK
Sample : 0F02063-CAL9
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:32:59 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 13:32:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:10 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALA
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:35:03 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:33:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.436	1344729	210.697	ng/ml
23) Aroclor 1242 (2)	6.922	3134890	270.352	ng/ml
24) Aroclor 1242 (3)	7.050	1645990	288.607	ng/ml
25) Aroclor 1242 (4)	7.136	938325	191.650	ng/ml
26) Aroclor 1242 (5)	7.181	1275017	222.060	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:10 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALA
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:35:03 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:33:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.307	1338529	225.210	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:10 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALA
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:35:03 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:33:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

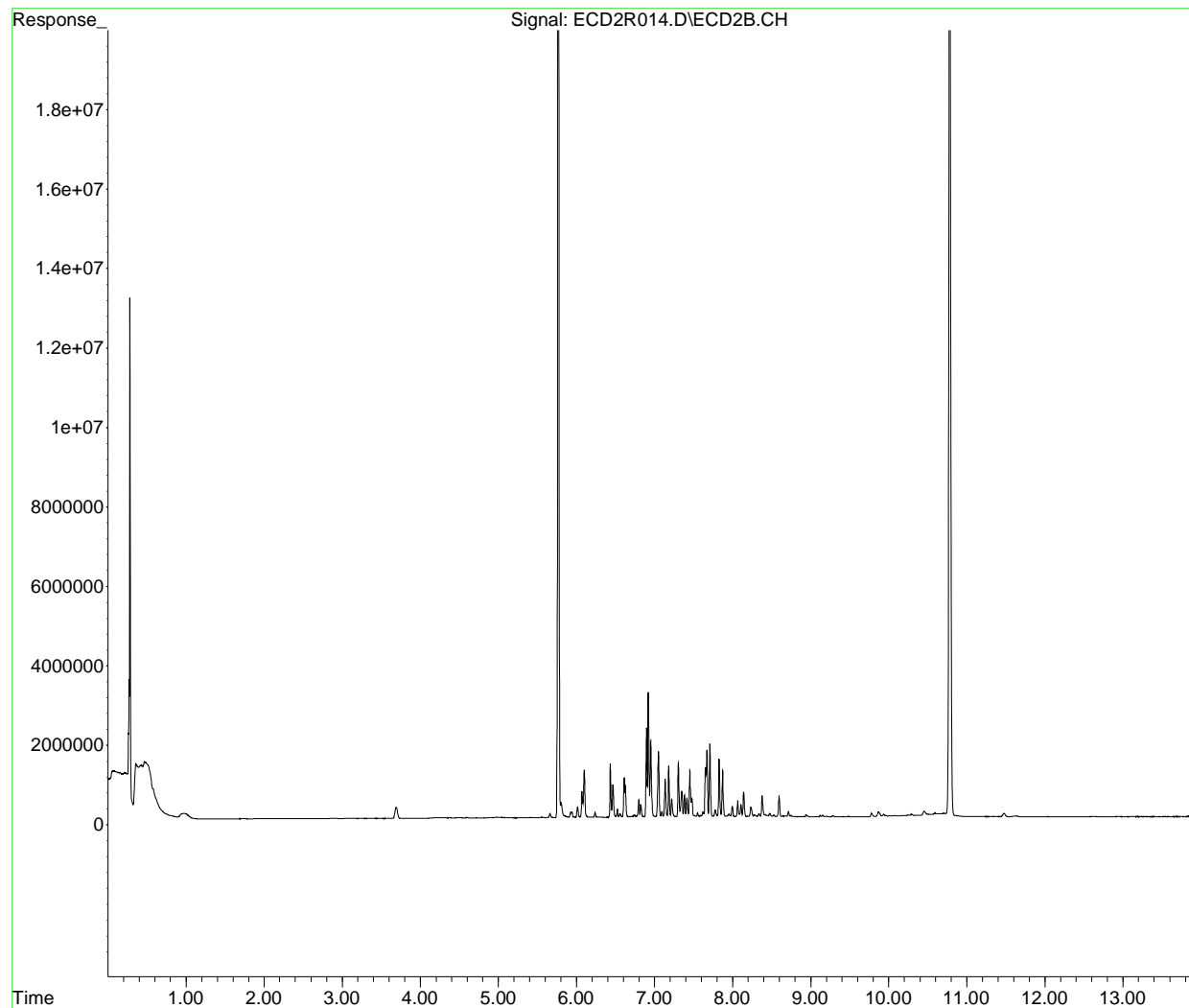
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 8:10 pm
Operator : MJB / KAK
Sample : 0F02063-CALA
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:35:03 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 13:33:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:27 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALB
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 13:58:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:57:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:27 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALB
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:58:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:57:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.895	1628794	216.224	ng/ml
30)	Aroclor 1248 (2)	7.136	1741958	197.484	ng/ml
31)	Aroclor 1248 (3)	7.181	1839562	216.332	ng/ml
32)	Aroclor 1248 (4)	7.306	2353322	231.669	ng/ml
33)	Aroclor 1248 (5)	7.670	3059823	237.704	ng/ml
34)	Aroclor 1248 (6)	7.828	2869753	259.762	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:27 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALB
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 13:58:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:57:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

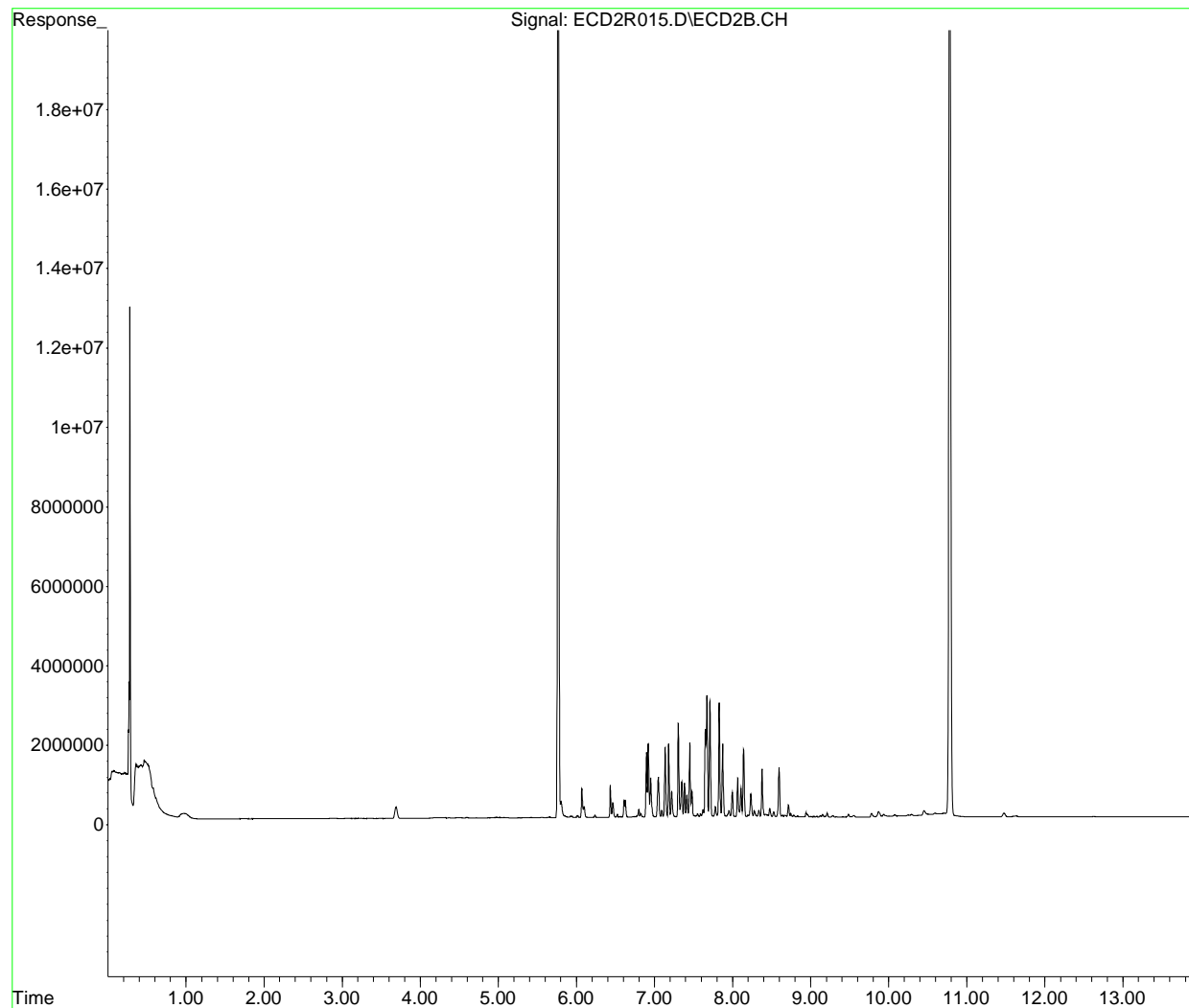
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 8:27 pm
Operator : MJB / KAK
Sample : 0F02063-CALB
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 13:58:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 13:57:36 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:45 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALC
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:00:25 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:59:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:45 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALC
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:00:25 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:59:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
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)	7.649	2769399	214.931	ng/ml
37)	Aroclor 1254 (2)	7.831	4623559	226.126	ng/ml
38)	Aroclor 1254 (3)	8.141	5931081	260.695	ng/ml
39)	Aroclor 1254 (4)	8.378	4388940	264.268	ng/ml
40)	Aroclor 1254 (5)	8.714	4701328	279.726	ng/ml
41)	Aroclor 1254 (6)	8.944	1474445	291.998	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 8:45 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALC
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:00:25 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 13:59:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

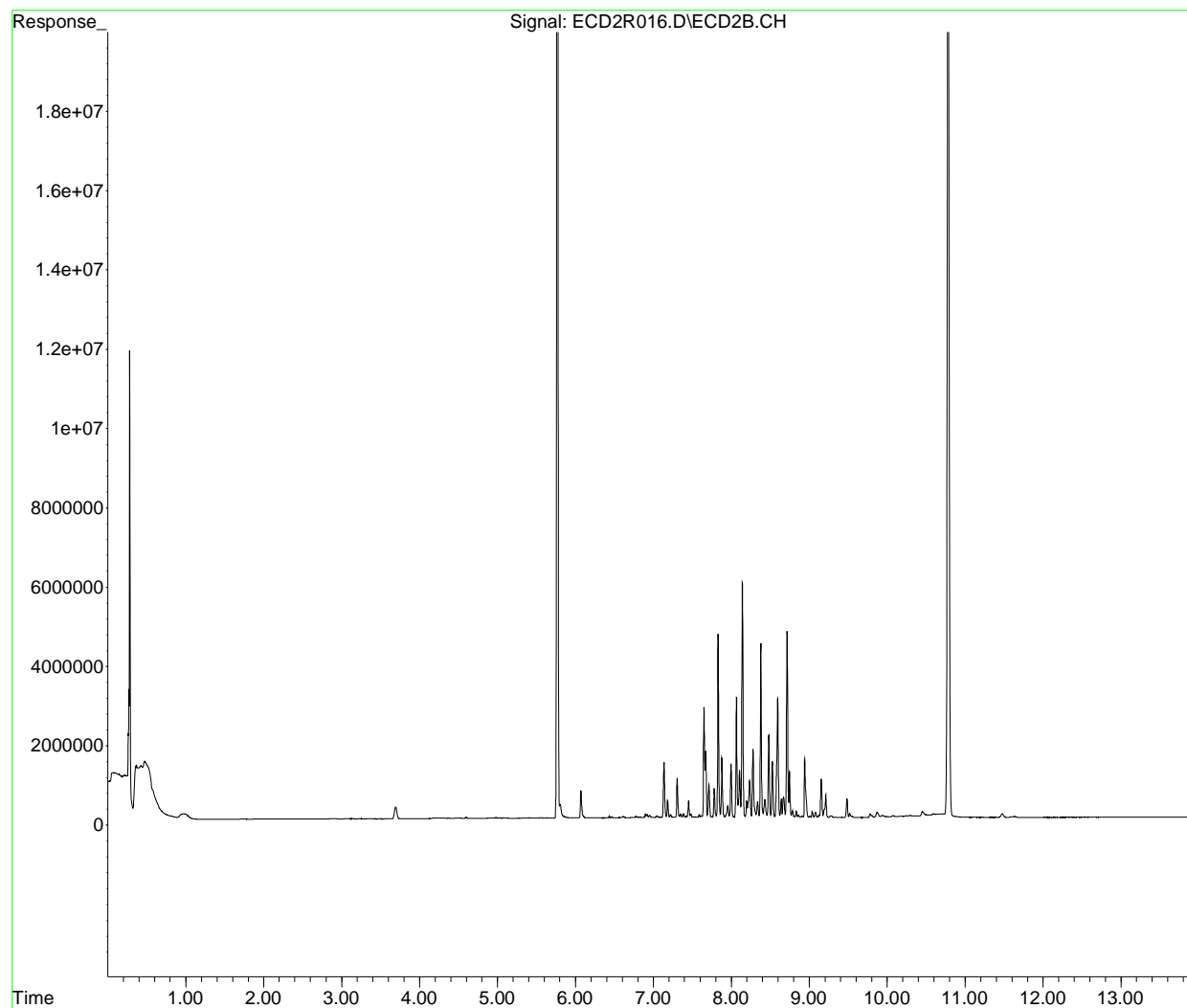
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 8:45 pm
Operator : MJB / KAK
Sample : 0F02063-CALC
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:00:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 13:59:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:02 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:02:21 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:01:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/mld
64) S DCBP (S)	0.000	0	N.D.	ng/mld
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:02 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:02:21 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:01:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.482	3397193	230.391	ng/ml
51)	Aroclor 1262 (2)	8.785	4985505	250.257	ng/ml
52)	Aroclor 1262 (3)	8.964	4233061	271.574	ng/ml
53)	Aroclor 1262 (4)	9.210	10379454	292.406	ng/ml
54)	Aroclor 1262 (5)	9.483	6173260	290.475	ng/ml
55)	Aroclor 1262 (6)	10.077	3291866	341.063	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:02 pm
 Operator : MJB / KAK
 Sample : 0F02063-CALD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:02:21 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:01:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

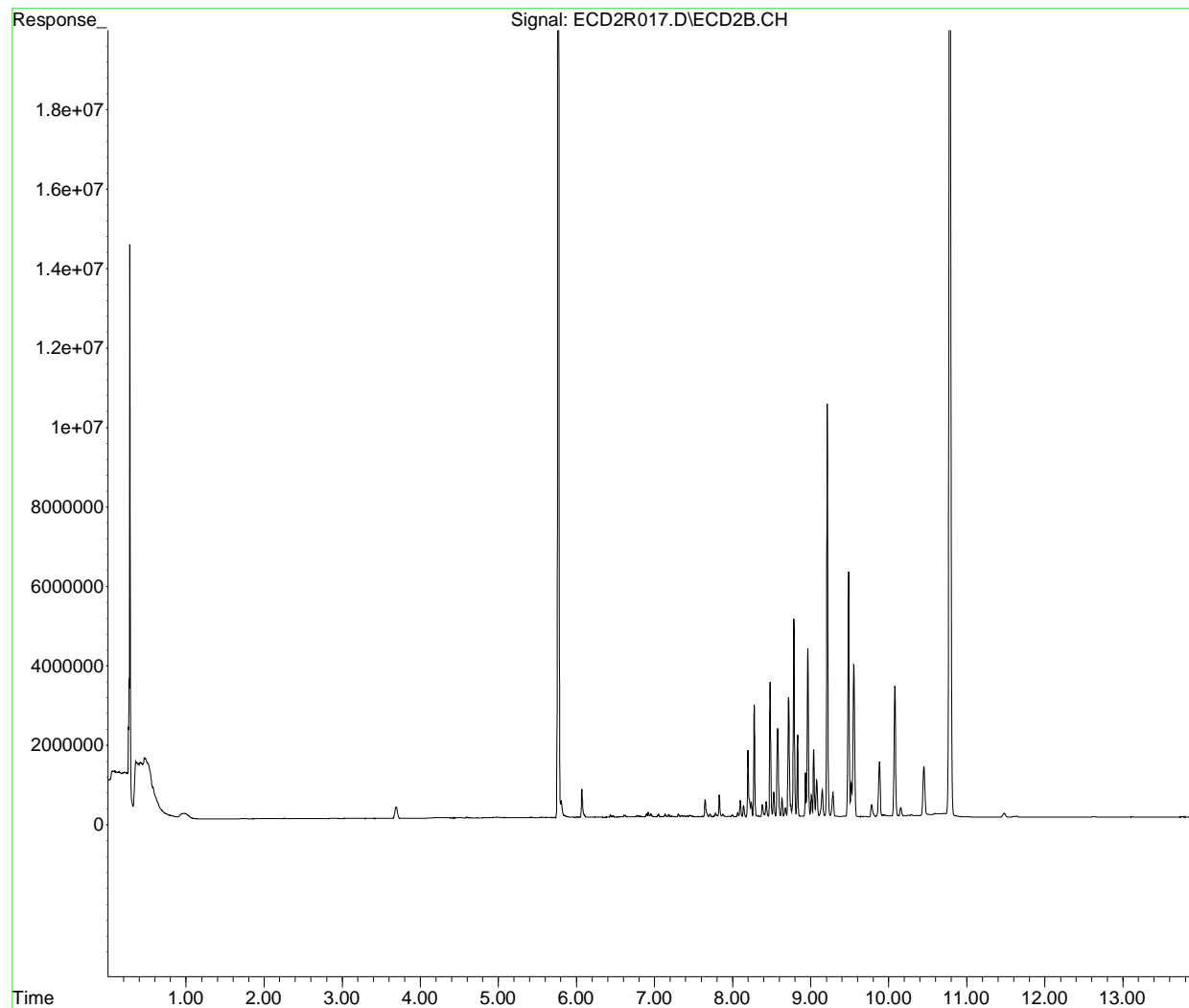
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 9:02 pm
Operator : MJB / KAK
Sample : 0F02063-CALD
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:02:21 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:01:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:20 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

KAK 6/3/2020

Integration File: events.e
 Quant Time: Jun 03 14:04:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:03:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:20 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:04:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:03:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	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)	9.006	2172868	232.177	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Jun 2020 9:20 pm
 Operator : MJB / KAK
 Sample : 0F02063-CAL E
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jun 03 14:04:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jun 03 14:03:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.484	11808262	290.711 ng/ml
59)	Aroclor 1268 (3)	9.553	12334827	369.997 ng/ml
60)	Aroclor 1268 (4)	9.780	9904315	359.873 ng/ml
61)	Aroclor 1268 (5)	10.077	3784191	353.178 ng/ml
62)	Aroclor 1268 (6)	10.449	35812694	451.543 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

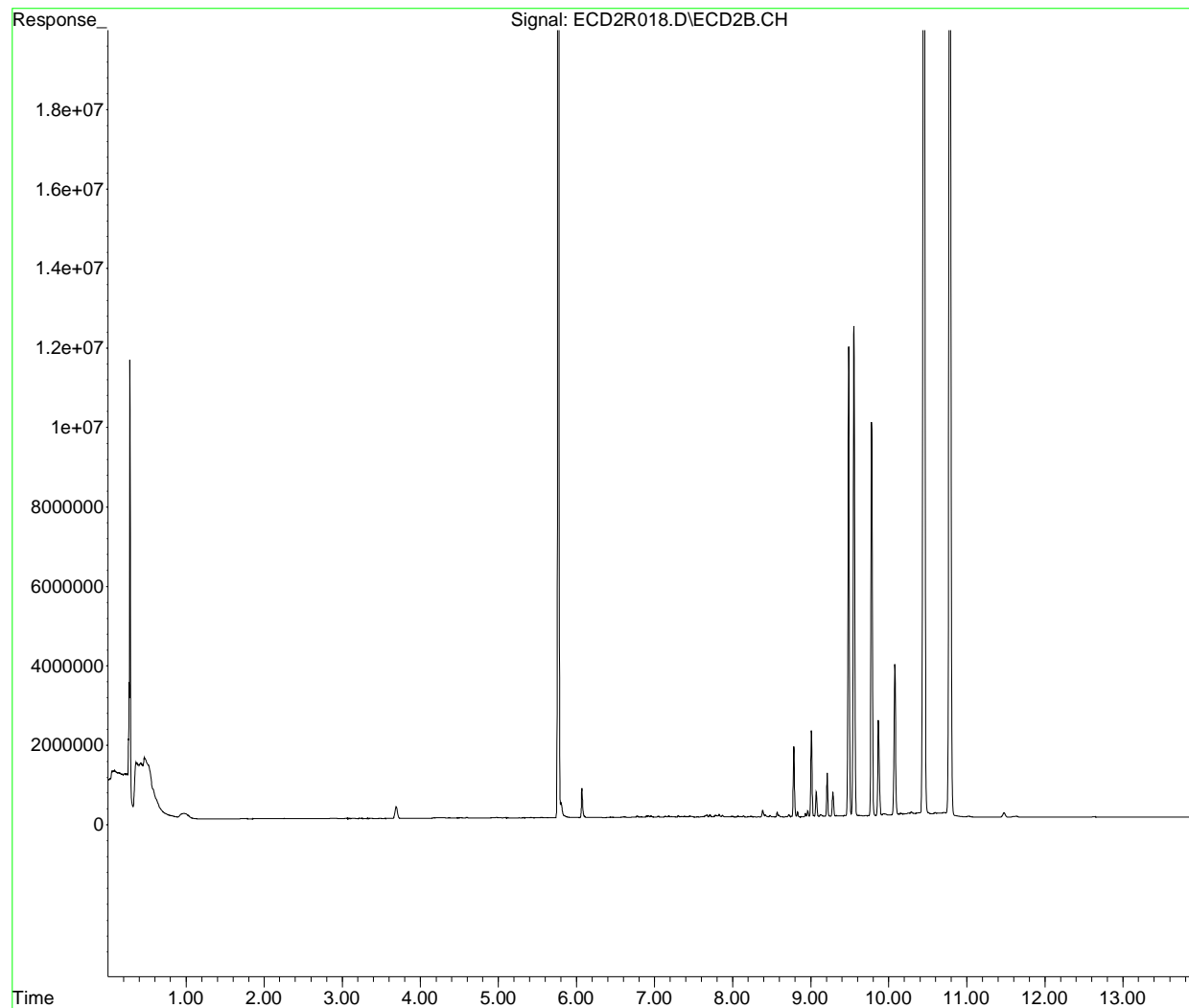
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F02063-CAL\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 02 Jun 2020 9:20 pm
Operator : MJB / KAK
Sample : 0F02063-CALE
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 03 14:04:15 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200602.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jun 03 14:03:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0060273

Sequence 0F10057 (A0E0668-01RE1,02RE1,03RE1,04RE1,05RE1)



Apex Laboratories
PREPARATION BENCH SHEET

JUN 2 2 2020

BATCH #: 0060273 (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	>11
	0060273-BLK1	QC	06/03/20 11:47	11	10				100					
	0060273-BS1	QC	06/03/20 11:47	10	10	A20E221		100	100					
	A0E0668-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.46	20				100	PDI-1175SC-A-01-02-200522	MDL. Use Custom Spike.			
	0060273-DUP1	QC	06/03/20 11:47	10.49	20		A0E0668-01RE1		100					
	A0E0668-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.11	20				100	PDI-175SC-A-00-01-200522	MDL. Use Custom Spike.			
	A0E0668-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.24	20				100	PDI-175SC-A-01-02-200522	MDL. Use Custom Spike.			
	A0E0668-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.45	10				100	PDI-175SC-A-02-03-200522	MS/MSD, MDL. Use Custom Spike.			
	0060273-MS1	QC	06/03/20 11:47	10.5	10	A20E221	A0E0668-04RE1	100	100					
	0060273-MSD1	QC	06/03/20 11:47	10.5	10	A20E221	A0E0668-04RE1	100	100					
	A0E0668-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.64	10				100	PDI-175SC-A-03-04-200522	MDL. Use Custom Spike.			
	A0E0672-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.63	10				100	PDI-171SC-A-00-01-200521	MDL. Use Custom Spike.			
	A0E0672-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.37	5				100	PDI-171SC-A-10-11-200521	MDL. Use Custom Spike.			
	A0E0672-02RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.37	10				100	PDI-171SC-A-10-11-200521	MDL. Use Custom Spike.			
	A0E0672-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.01	5				100	PDI-171SC-A-11-12-200521	MDL. Use Custom Spike.			
	A0E0672-03RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.01	10				100	PDI-171SC-A-11-12-200521	MDL. Use Custom Spike.			
	A0E0672-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.34	5				100	PDI-171SC-A-12-13-200521	MDL. Use Custom Spike.			
	A0E0672-04RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.34	10				100	PDI-171SC-A-12-13-200521	MDL. Use Custom Spike.			
	A0E0672-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.29	5				100	PDI-171SC-A-13-13.5-200521	MDL. Use Custom Spike.			
	A0E0672-05RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.29	10				100	PDI-171SC-A-13-13.5-200521	MDL. Use Custom Spike.			
	A0E0672-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.35	5				100	PDI-173SC-A-00-01-200521	MDL. Use Custom Spike.			

Prepared By: _____ Date: _____

WB
6/18/20
Reviewed By: _____ Date: _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060273 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8-11	>11
	A0E0672-14RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.35	10				100	PDI-173SC-A-00-01-200521	MDL. Use Custom Spike.			
	A0E0672-15RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.2	5				100	PDI-173SC-A-04-05-200521	MDL. Use Custom Spike.			
	A0E0672-15RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.2	10				100	PDI-173SC-A-04-05-200521	MDL. Use Custom Spike.			
	A0E0672-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.43	5				100	PDI-173SC-A-05-06-200521	MDL. Use Custom Spike.			
	A0E0672-16RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.43	10				100	PDI-173SC-A-05-06-200521	MDL. Use Custom Spike.			
	A0E0672-24RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.81	5				100	PDI-174SC-A-07-08-200521	MDL. Use Custom Spike.			
	A0E0672-24RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.81	10				100	PDI-174SC-A-07-08-200521	MDL. Use Custom Spike.			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051	A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20E178	10/30/20	8082 PCB Surrogate Spike
A20E143	11/09/20	DCM CHEM PROD. DY726-US						

From 0060130 on 6/8/2020 by ajj

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060273 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

★ Pressure error on sequence *add calisto*

On GPC #1

in 1 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	
	0060273-BLK1	QC	06/03/20 11:47	11	10				100						
	0060273-BS1	QC	06/03/20 11:47	10	10	A20E221		100	100						
	A0E0668-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.46	20				100	PDI-1175SC-A-01-02-200522	MDL. Use Custom Spike.				
	0060273-DUP1	QC	06/03/20 11:47	10.49	20		A0E0668-01RE1		100						
	A0E0668-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.11	20				100	PDI-175SC-A-00-01-200522	MDL. Use Custom Spike.				
	A0E0668-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.24	20				100	PDI-175SC-A-01-02-200522	MDL. Use Custom Spike.				
	A0E0668-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.45	10				100	PDI-175SC-A-02-03-200522	MS/MSD, MDL. Use Custom Spike.				
	0060273-MS1	QC	06/03/20 11:47	10.5	10	A20E221	A0E0668-04RE1	100	100						
	0060273-MSD1	QC	06/03/20 11:47	10.5	10	A20E221	A0E0668-04RE1	100	100						
	A0E0668-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.64	10				100	PDI-175SC-A-03-04-200522	MDL. Use Custom Spike.				
	A0E0672-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.63	10				100	PDI-171SC-A-00-01-200521	MDL. Use Custom Spike.				
	A0E0672-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.37	5				100	PDI-171SC-A-10-11-200521	MDL. Use Custom Spike.				
11	A0E0672-02RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.37	5				100	PDI-171SC-A-10-11-200521	MDL. Use Custom Spike.				
	A0E0672-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.01	5				100	PDI-171SC-A-11-12-200521	MDL. Use Custom Spike.				
12	A0E0672-03RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.01	5				100	PDI-171SC-A-11-12-200521	MDL. Use Custom Spike.				
	A0E0672-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.34	5				100	PDI-171SC-A-12-13-200521	MDL. Use Custom Spike.				
13	A0E0672-04RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.34	5				100	PDI-171SC-A-12-13-200521	MDL. Use Custom Spike.				
	A0E0672-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.29	5				100	PDI-171SC-A-13-13.5-200521	MDL. Use Custom Spike.				
14	A0E0672-05RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.29	5				100	PDI-171SC-A-13-13.5-200521	MDL. Use Custom Spike.				
	A0E0672-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.35	5				100	PDI-173SC-A-00-01-200521	MDL. Use Custom Spike.				

Prepared By: *[Signature]* Date: *6/12/20*

Reviewed By: *cas* Date: *06/15/2020*

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0060273 (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	8	>11
15	A0E0672-14RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.35	5				100	PDI-173SC-A-00-01-200521	MDL. Use Custom Spike.	lml			
	A0E0672-15RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.2	5				100	PDI-173SC-A-04-05-200521	MDL. Use Custom Spike.				
16	A0E0672-15RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.2	5				100	PDI-173SC-A-04-05-200521	MDL. Use Custom Spike.	lml			
	A0E0672-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.43	5				100	PDI-173SC-A-05-06-200521	MDL. Use Custom Spike.				
17	A0E0672-16RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.43	5				100	PDI-173SC-A-05-06-200521	MDL. Use Custom Spike.	lml			
	A0E0672-24RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.81	5				100	PDI-174SC-A-07-08-200521	MDL. Use Custom Spike.				
18	A0E0672-24RE2	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.81	5				100	PDI-174SC-A-07-08-200521	MDL. Use Custom Spike.	lml			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051.	A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20E178	10/30/20	8082 PCB Surrogate Spike
A20E143	11/09/20	DCM CHEM.PROD. DY726-US						

From 0060130 on 6/8/2020 by ajj

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

On GPC #2

BATCH #: 0060273 (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
2	0060273-BLK1	QC	06/03/20 11:47	11	5/10				100		1ml	2ml			
3	0060273-BS1	QC	06/03/20 11:47	10	5/10	A20E221		100	100		1ml	2ml			
4	A0E0668-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.46	5/20				100	PDI-1175SC-A-01-02-200522	MDL. Use Custom Spike	2ml			
5	0060273-DUP1	QC	06/03/20 11:47	10.49	5/20		A0E0668-01RE1		100		0.5ml	2ml			
6	A0E0668-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.11	5/20				100	PDI-175SC-A-00-01-200522	MDL. Use Custom Spike	2ml			
7	A0E0668-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.24	5/20				100	PDI-175SC-A-01-02-200522	MDL. Use Custom Spike	2ml			
8	A0E0668-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.45	5/10				100	PDI-175SC-A-02-03-200522	MS/MSD, MDL. Use Custom Spike.	2ml			
9	0060273-MS1	QC	06/03/20 11:47	10.5	5/10	A20E221	A0E0668-04RE1	100	100		1ml	2ml			
10	0060273-MSD1	QC	06/03/20 11:47	10.5	5/10	A20E221	A0E0668-04RE1	100	100		1ml	2ml			
11	A0E0668-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.64	5/10				100	PDI-175SC-A-03-04-200522	MDL. Use Custom Spike.	2ml			
12	A0E0672-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.63	5/10				100	PDI-171SC-A-00-01-200521	MDL. Use Custom Spike.	2ml			
13	A0E0672-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.37	5				100	PDI-171SC-A-10-11-200521	MDL. Use Custom Spike.	0.5ml			
14	A0E0672-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.01	5				100	PDI-171SC-A-11-12-200521	MDL. Use Custom Spike.	0.5ml			
15	A0E0672-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.34	5				100	PDI-171SC-A-12-13-200521	MDL. Use Custom Spike.	1ml			
16	A0E0672-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.29	5				100	PDI-171SC-A-13-13.5-200521	MDL. Use Custom Spike.	0.5ml			
17	A0E0672-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.35	5				100	PDI-173SC-A-00-01-200521	MDL. Use Custom Spike.	1ml			
18	A0E0672-15RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.2	5				100	PDI-173SC-A-04-05-200521	MDL. Use Custom Spike.	1ml			
19	A0E0672-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.43	5				100	PDI-173SC-A-05-06-200521	MDL. Use Custom Spike.	1ml			
20	A0E0672-24RE1	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10.81	5				100	PDI-174SC-A-07-08-200521	MDL. Use Custom Spike.	1ml			

Prepared By: *AST* Date: *6-8-20*
AST Date: *6-9-20*
Qua Date: *6/9/20*

Reviewed By: *CAS* Date: *06/10/2020*

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060273 (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	7/8	>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
A20A032	06/30/23	n-Hexane Lot# 197051	A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20E178	10/30/20	8082 PCB Surrogate Spike
A20E143	11/09/20	DCM CHEM PROD. DY726-US						

From 0060130 on 6/8/2020 by ajj

Ⓢ = staining on turbovap tube during solvent exchange. ~~not~~ 6/8/20

* = Samples dried out during blow down to be re-GR'd.

Prepared By: AJJ Date: 6-8-20

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0060130 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-8	>11
1	0060130-BLK1	QC	06/03/20 11:47	10	5				100					
2	0060130-BS1	QC	06/03/20 11:47	10	5	A20E221		100	100					
3	A0E0668-01	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.46	5				100	PDI-1175SC-A-01-02-200522	MDL. Use Custom Spike. Sand			
4	0060130-DUP1	QC	06/03/20 11:47	10 10.49	5		A0E0668-01		100					
5	A0E0668-02	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.11	5				100	PDI-175SC-A-00-01-200522	MDL. Use Custom Spike. Sand			
6	A0E0668-03	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.24	5				100	PDI-175SC-A-01-02-200522	MDL. Use Custom Spike. Sand			
7	A0E0668-04	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.45	5				100	PDI-175SC-A-02-03-200522	MS/MSD, MDL. Use Custom Spike. Sand			
8	0060130-MS1	QC	06/03/20 11:47	10 10.50	5	A20E221	A0E0668-04	100	100					
9	0060130-MSD1	QC	06/03/20 11:48	10 10.50	5	A20E221	A0E0668-04	100	100					
10	A0E0668-05	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.64	5				100	PDI-175SC-A-03-04-200522	MDL. Use Custom Spike. Sand			
11	A0E0672-01	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.63	5				100	PDI-171SC-A-00-01-200521	MDL. Use Custom Spike. Mud			
12	A0E0672-02	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.37	5				100	PDI-171SC-A-10-11-200521	MDL. Use Custom Spike. Mud			
13	A0E0672-03	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.01	5				100	PDI-171SC-A-11-12-200521	MDL. Use Custom Spike. Mud			
14	A0E0672-04	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.34	5				100	PDI-171SC-A-12-13-200521	MDL. Use Custom Spike. Mud			
15	A0E0672-05	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.29	5				100	PDI-171SC-A-13-13-200521	MDL. Use Custom Spike. Mud			
16	A0E0672-14	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.35	5				100	PDI-173SC-A-00-01-200521	MDL. Use Custom Spike. Sand			
17	A0E0672-15	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.20	5				100	PDI-173SC-A-04-05-200521	MDL. Use Custom Spike. Mud			
18	A0E0672-16	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.43	5				100	PDI-173SC-A-05-06-200521	MDL. Use Custom Spike. Mud			
19	A0E0672-24	A 8081B 2,4+4,4-DDx Only (+Add)	06/03/20 11:47	10 10.81	5				100	PDI-174SC-A-07-08-200521	MDL. Use Custom Spike. Mud			

Prepared By: Jag Date: 6/3/2020
LAM 6/03/20

Reviewed By: SCG Date: 06/03/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060130 (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

Standards/Reagents

<u>Reagent(s)</u>			<u>Analyte Spike(s)</u>			<u>Surrogate(s)</u>		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20E221	09/25/20	2,4 + 4,4-DDx Pesticide Matrix Spike	A20E178	10/30/20	8082 PCB Surrogate Spike
A20B017	08/01/20	Glass Wool	JAG			JAG		
A20D177	10/10/22	Sodium Sulfate Lot # 195510						
A20E143	11/09/20	DCM CHEM PROD. DY726-US						

Method 3546 digestion time and temperture achieved.

Initial: JAG

Witness: ASD 6-3-20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **OF10057**

Instrument: **DUALECD3**

Date: **06/10/20 11:59**

Calibration: **A0F0805**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OF10057-BKD1	Sediment	QC	QC				A20E203
2	OF10057-CCV1	Sediment	QC	QC				A20E232
3	OF10057-CCV2	Sediment	QC	QC				A20C358
4	OF10057-CCB1	Sediment	QC	QC				A20F087
5	0060273-BLK1	Sediment	QC	QC		0060273		
6	0060273-BS1	Sediment	QC	QC		0060273		
7	A0E0668-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	06/05/20	0060273		
8	0060273-MS1	Sediment	QC	QC		0060273		
9	0060273-MSD1	Sediment	QC	QC		0060273		
10	A0E0668-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	06/05/20	0060273		
11	A0E0672-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	06/05/20	0060273		
12	A0E0612-09RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	06/04/20	0060152		
13	OF10057-IBL1	Sediment	QC	QC				
14	OF10057-CCV3	Sediment	QC	QC				A20E233
15	OF10057-CCV4	Sediment	QC	QC				A20C359
16	OF10057-CCB2	Sediment	QC	QC				A20F087
17	A0E0668-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	06/05/20	0060273		
18	OF10057-IBL2	Sediment	QC	QC				
19	0060273-DUP1	Sediment	QC	QC		0060273		
20	OF10057-IBL3	Sediment	QC	QC				
21	A0E0668-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	06/05/20	0060273		
22	OF10057-IBL4	Sediment	QC	QC				
23	A0E0668-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	06/05/20	0060273		
24	OF10057-IBL5	Sediment	QC	QC				
25	OF10057-CCV5	Sediment	QC	QC				A20E232
26	OF10057-CCV6	Sediment	QC	QC				A20C358
27	OF10057-CCB3	Sediment	QC	QC				A20F087
28	OF10057-IBL6	Sediment	QC	QC				

Data Entered By/Date: WSB 6/12/20

Comments: Front Column = Primary Column.

Data Reviewed By/Date: WSB 6/15/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0F10057 BKD1

Data File: ECD3-06102003.D

First Column Area Counts

DDE 1368176
DDD 12734323
DDT 97993232

Percent Breakdown

12.58 PASS

Endrin 61276767
Endrin Aldehyde 3464578
Endrin Ketone 12216844

20.38 FAIL

Second Column Area Counts

DDE 362478
DDD 10037576
DDT 63125899

Percent Breakdown

14.14 PASS

Endrin 40598102
Endrin Aldehyde 2186455
Endrin Ketone 8746928

21.22 FAIL

DDx only

Breakdown must be less than 15% to accept sample data.

*MJB
6/1/12*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 12:47
 Operator : MJB
 Sample : 0F10057-BKD1
 Misc : A20E203
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 10 13:04:33 2020
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200606.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.456	1368176	NoCal	ng/mL
2) Endrin	7.898	61276767	NoCal	ng/mL
3) 4,4'-DDD	7.952	12734323	NoCal	ng/mL
4) 4,4'-DDT	8.151	97993232	NoCal	ng/mL
5) Endrin Aldehyde	8.346	3464578	NoCal	ng/mL
6) Endrin Ketone	8.843	12216844	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.218	362478	NoCal	ng/mL
9) Endrin [2C]	8.581	40598102	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.635	10037576	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.969	2186455	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.861	63125899	NoCal	ng/mL
13) Endrin Ketone [2C]	9.558	8746928	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

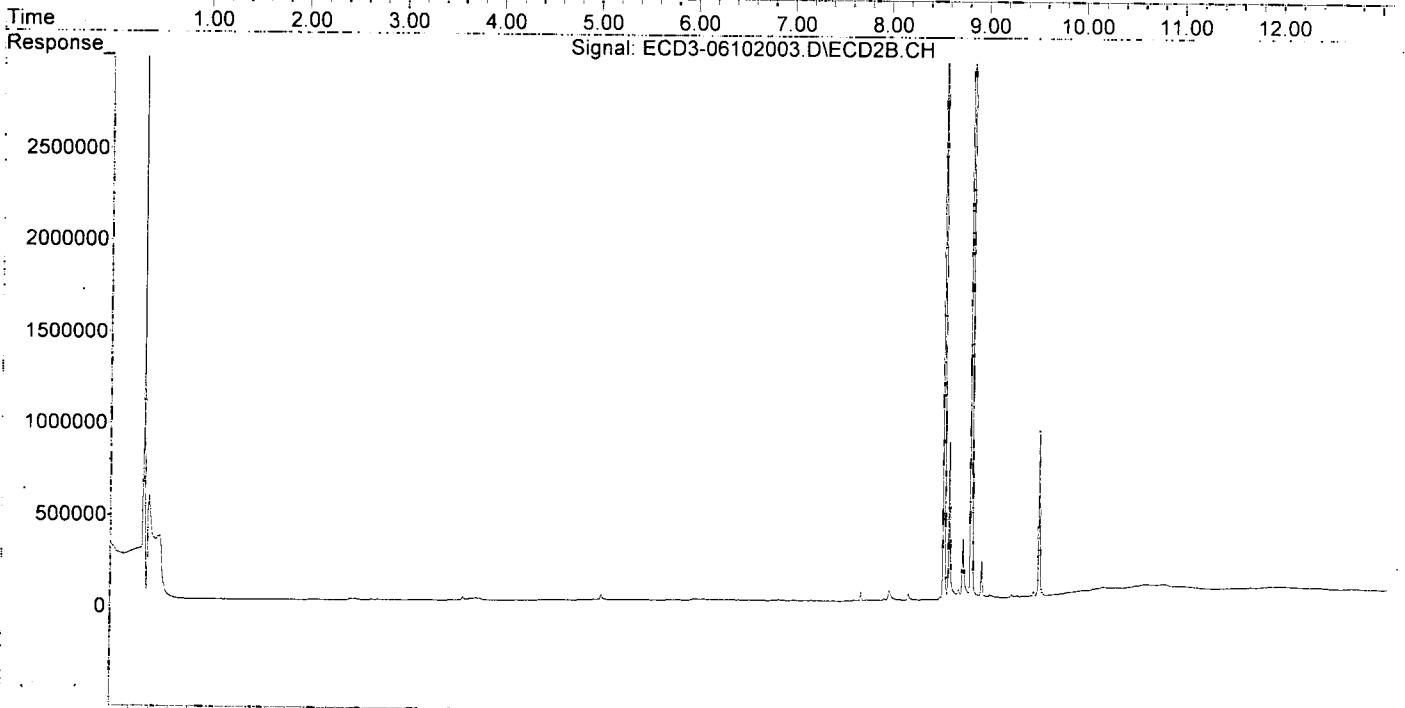
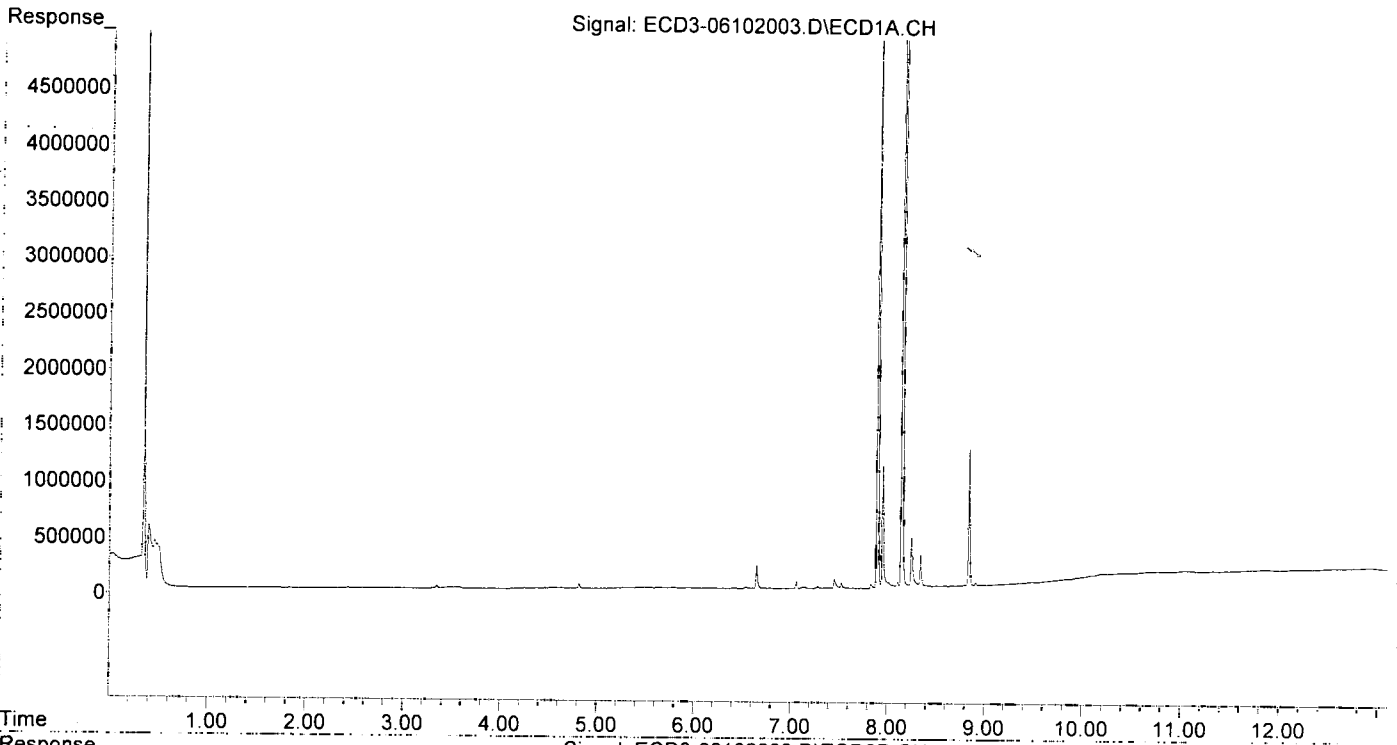
(m)=manual int.

*MJB
6/11/20*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 12:47
Operator : MJB
Sample : 0F10057-BKD1
Misc : A20E203
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 10 13:04:33 2020
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200606.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path: C:\msdchem\3\data\2020-06\0F10057\
 Data File: ECD3-06102004.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 10 Jun 2020 13:04
 Operator: MJB
 Sample: 0F10057-CCV1
 Misc: A20E232, AB 50 ppb
 ALS Vial: 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:31:44 2020
 Quant Method: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title: Instrument: DualECD3
 QLast Update: Sun Jun 07 13:18:44 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

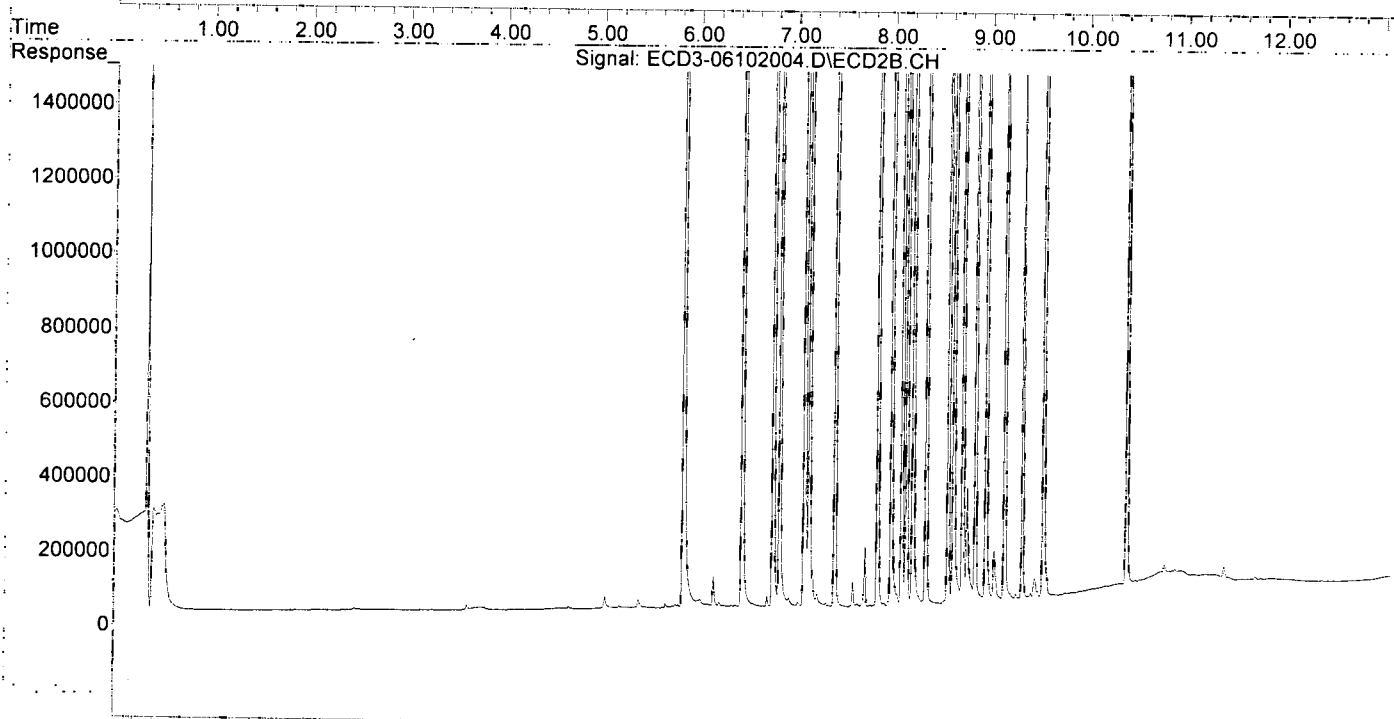
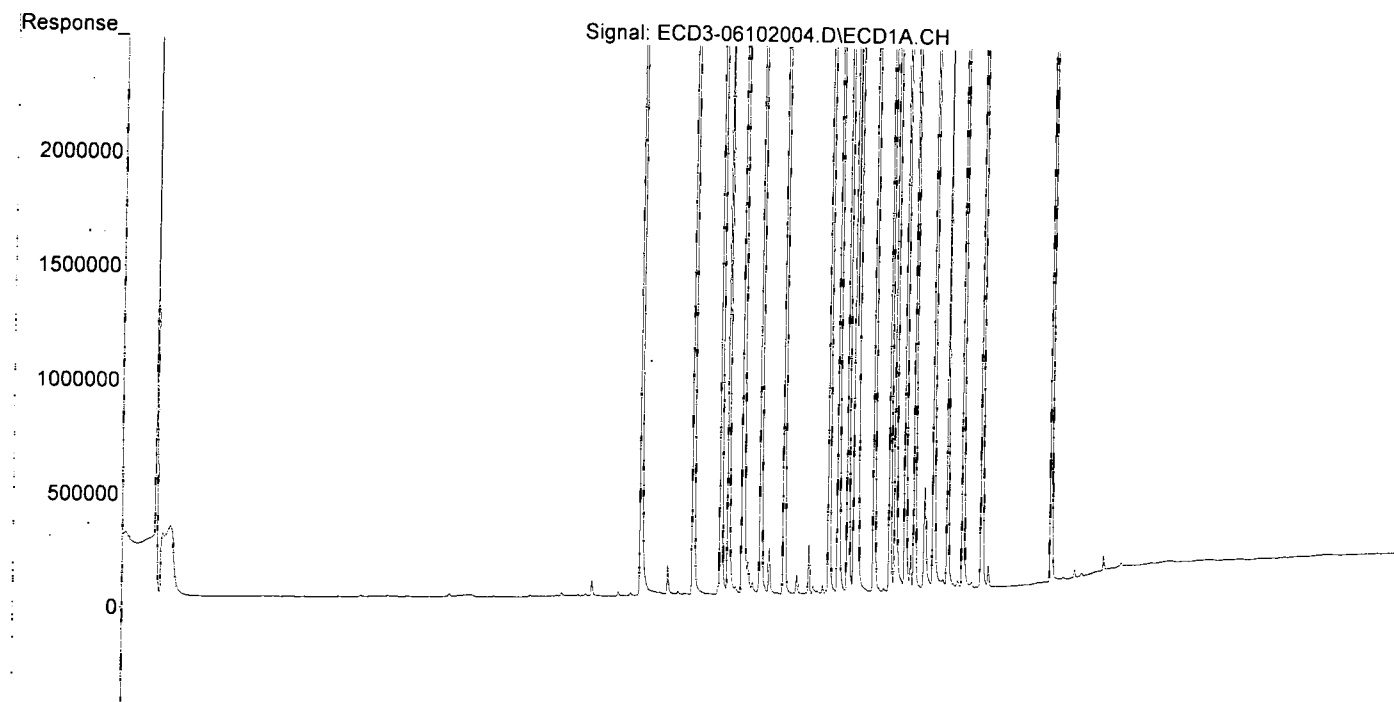
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.326	5.846	7501557	4627211	50.177	68.280
22) S DCBP (S)	9.554	10.411	6044237	3645095	53.985	54.311
Target Compounds						
2) a-BHC	5.867	6.455	11152364	7668798	52.305	61.745
3) g-BHC	6.151	6.774	9548349	6826079	51.477	61.220
4) b-BHC	6.228	6.842	3769470	2714769	47.717	60.230
5) Heptachlor	6.563	7.149	9137051	6075226	54.921	61.610
6) d-BHC	6.377	7.097	8134726	6156269	48.707	70.614 #
7) Aldrin	6.805	7.414	9147163	6525921	49.842	54.659
8) Heptachlo...	7.269	7.855	8408449	5885776	51.976	55.776
9) trans-Chl...	7.365	7.996	7915205	5835480	46.460	53.990
10) cis-Chlor...	7.464	8.104	8044952	5556367	50.289	51.437
11) Endosulfa...	7.560	8.153	7805668	5374452	51.988	57.678
12) 4,4'-DDE	7.530	8.217	8377968	5533271	51.348	59.343
13) Dieldrin	7.733	8.354	8717708	6206894	53.430	59.669
14) Endrin	7.898	8.582	6326672	4288485	49.017	56.244
15) 4,4'-DDD	7.953	8.635	7249971	4976926	55.921	68.821
16) Endosulfa...	8.055	8.731	6783100	4752582	53.042	59.749
17) 4,4'-DDT	8.151	8.861	4620472	3095786	45.925	56.713
18) Endrin Al...	8.348	8.970	5922216	4156356	58.497	62.293
19) Endosulfa...	8.650	9.161	6653046	4548662	53.004	64.828
20) Methoxychlor	8.491	9.344	2592223	1662044	49.224	61.780
21) Endrin Ke...	8.845	9.559	8313236	5630482	60.233	70.079
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.710	0.000	13587	0	0.093	N.D. #
25) Oxychlordane	7.205	7.821f	36369	3073	0.099	7645.615 #
26) 2,4'-DDE	7.269	7.996	8408449	5835480	84.164	93.315
27) trans-Non...	7.464	0.000	8044952	0	53.179	N.D. #
28) 2,4'-DDD	0.000	8.354	0	6206894	N.D.	114.785 #
29) 2,4'-DDT	7.835	8.582	12470	4288485	0.162	94.579 #
30) cis-Nonac...	7.953f	8.635	7249971	4976926	41.544	46.756
31) Mirex	8.598	9.559	33731	5630482	0.045	88.847 #
32) Chlordane...	7.365	7.996	7915205	5835480	440.459	465.116
33) Chlordane...	7.464	8.104	8044952	5556367	363.147	518.734 #
34) Chlordane...	8.055f	8.777	6783100	305066	1350.761	100.468 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.464	8.354	8044952	6206894	10867.536	6622.298
37) Toxaphene...	7.733	8.731f	8717708	4752582	6412.626	4172.122
38) Toxaphene...	8.055	8.731	6783100	4752582	2407.007	2833.923
39) Toxaphene...	0.000	8.777f	0	305066	N.D.	105.881 #
40) Toxaphene...	8.549f	8.970	24236	4156356	12.285	2316.203 #
41) Toxaphene...	8.598	9.344	33731	1662044	12.151	1036.150 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 13:04
Operator : MJB
Sample : 0F10057-CCV1
Misc : A20E232, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:31:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 13:22
 Operator : MJB
 Sample : 0F10057-CCV2
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:31:48 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

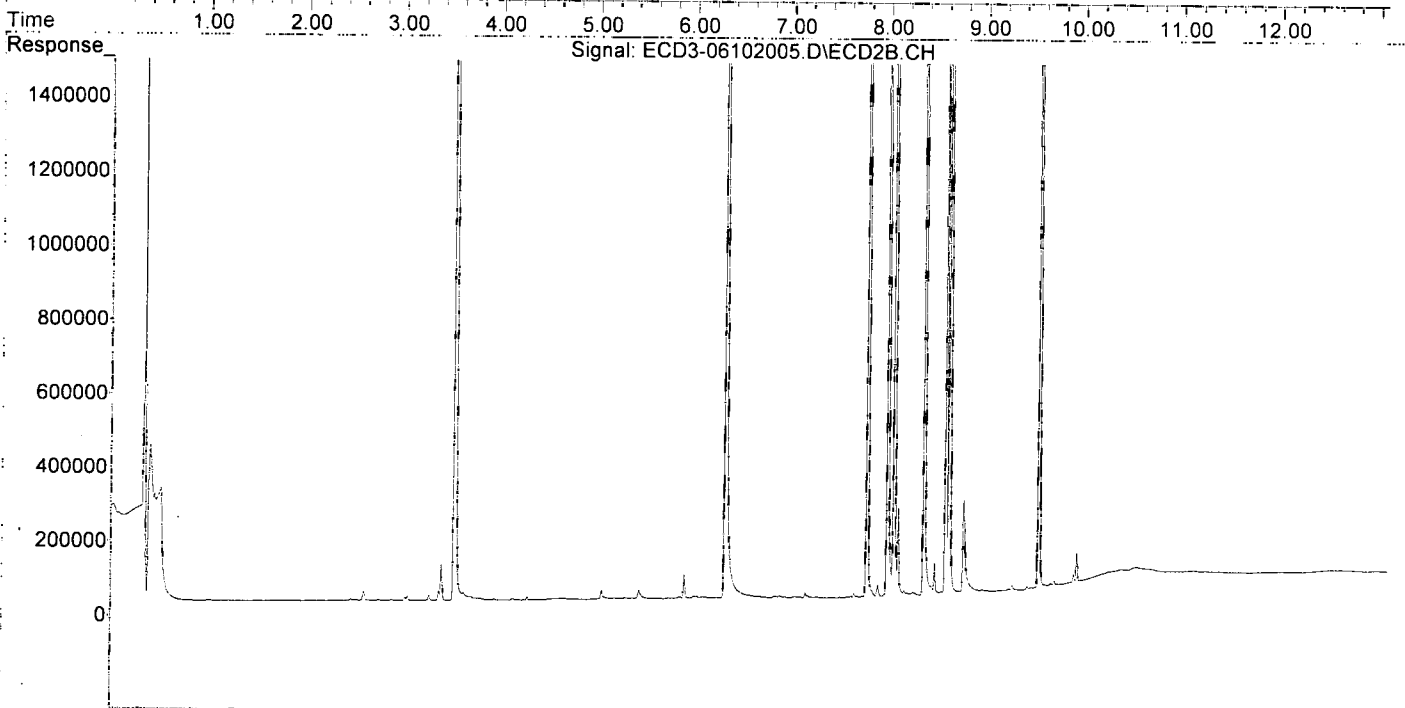
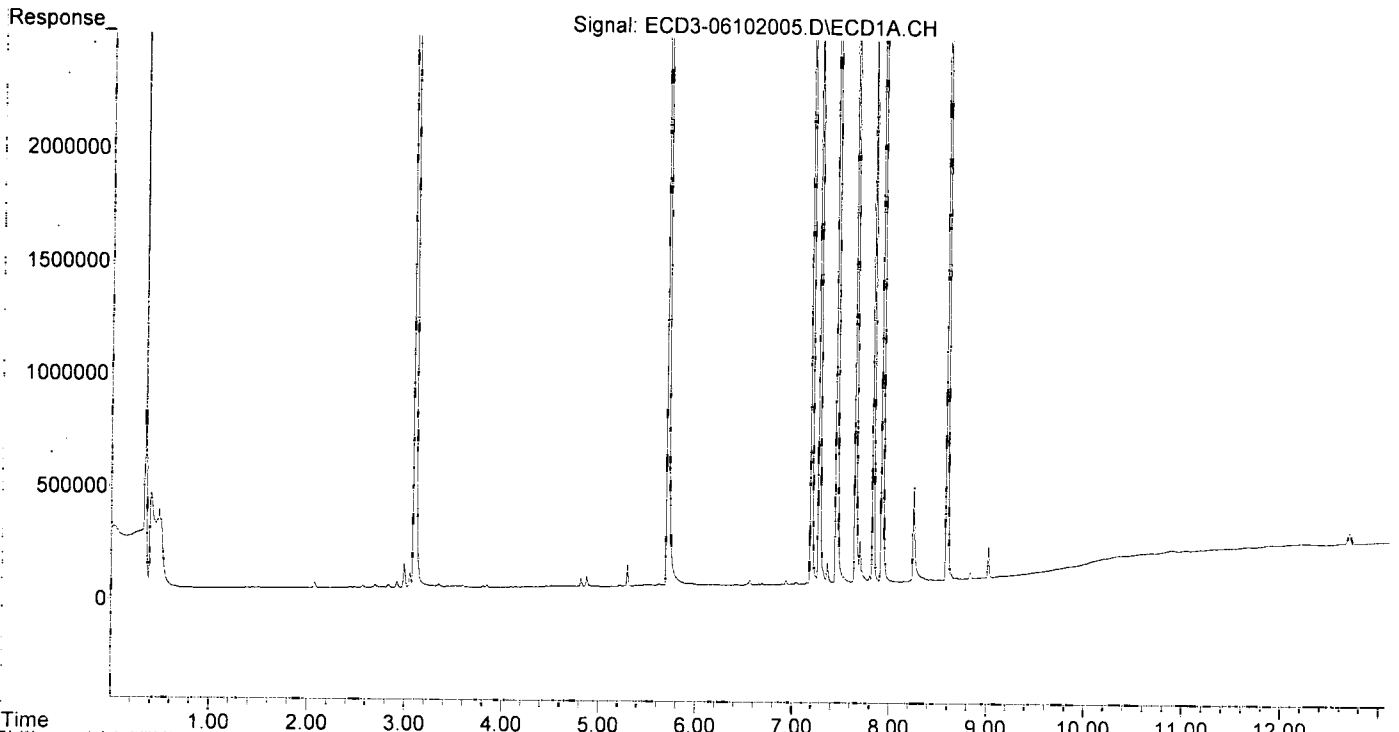
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.299f	5.848	96279	3669	0.644	BelowCal #
22) S DCBP (S)	0.000	10.396	0	6879	N.D.	8152.064 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	6.835	0	2852	N.D.	0.063 #
5) Heptachlor	6.563	7.149	22506	12747	0.135	0.129
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.277	7.897f	4897497	30779	30.274	0.292 #
9) trans-Chl...	7.365	7.994	93754	3498512	0.550	32.368 #
10) cis-Chlor...	7.455	8.104	7522389	234702	47.033	2.173 #
11) Endosulfa...	7.535f	8.170	29706	13212	0.198	0.142
12) 4,4'-DDE	7.535	0.000	29706	0	0.182	N.D. #
13) Dieldrin	7.699f	8.369	187790	3342621	1.151	32.134 #
14) Endrin	7.928f	8.593	8190106	2359393	63.454	30.944 #
15) 4,4'-DDD	7.928f	8.629	8190106	5667110	63.173	78.365
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	8.972	0	4230	N.D.	BelowCal
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.837	9.549	27022	3487972	0.196	43.412 #
23) Hexachlor...	3.102	3.521	8117523	6890765	49.800	51.427
24) Hexachlor...	5.710	6.316	6751030	4240346	46.405	63.372
25) Oxychlorane	7.197	7.784	6596620	4721247	51.026	56.243
26) 2,4'-DDE	7.277	7.994	4897497	3498512	49.278	56.984
27) trans-Non...	7.455	8.061	7522389	5236987	49.736	52.943
28) 2,4'-DDD	7.652	8.369	4548388	3342621	49.692	62.916 ^{Q-41}
29) 2,4'-DDT	7.835	8.593	3512808	2359393	45.537	52.034
30) cis-Nonac...	7.928	8.629	8190106	5667110	46.931	53.315
31) Mirex	8.596	9.549	4965790	3487972	50.239	54.499
32) Chlordane...	7.365	7.994	93754	3498512	5.217	278.848 #
33) Chlordane...	7.455	8.104	7522389	234702	339.558	21.911 #
34) Chlordane...	0.000	8.779	0	246660	N.D.	81.233 #
35) Chlordane...	0.000	3.932	0	3501	N.D.	NoCal
36) Toxaphene...	7.455	8.369f	7522389	3342621	10161.630	3566.329 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	0.000	8.779	0	246660	N.D.	81.191 #
40) Toxaphene...	0.000	8.972	0	4230	N.D.	BelowCal
41) Toxaphene...	8.596	0.000	4965790	0	1788.826	N.D. #
42) Toxaphene...	0.000	3.932	0	3501	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 13:22
Operator : MJB
Sample : 0F10057-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:31:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path :: C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 13:39
 Operator : MJB
 Sample : 0F10057-CCB1
 Misc : A20F087
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:31:53 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.847	14379170	8948471	96.181	122.878
22) S DCBP (S)	9.555	10.411	11356236	7069948	101.738	106.167
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	6.841	0	2303	N.D.	0.051 #
5) Heptachlor	6.547	0.000	6225	0	0.037	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	8.028f	0	38333	N.D.	0.355 #
10) cis-Chlor...	7.467	0.000	61785	0	0.070	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	0.000	0	0	N.D.	N.D.
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	8.491	0.000	739	0	0.014	N.D. #
21) Endrin Ke...	8.832	0.000	15395	0	0.112	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.710	0.000	26543	0	0.182	N.D. #
25) Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.028f	0	38333	N.D.	0.330 #
27) trans-Non...	7.467	8.028f	61785	38333	BelowCal	0.050
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	0.000	0.000	0	0	N.D.	N.D.
32) Chlordane...	0.000	8.028	0	38333	N.D.	3.055 #
33) Chlordane...	7.467	0.000	61785	0	2.789	N.D. #
34) Chlordane...	0.000	8.780	0	242271	N.D.	79.788 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.467f	0.000	61785	0	83.463	N.D. #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	0.000	8.780	0	242271	N.D.	79.327 #
40) Toxaphene...	8.491f	0.000	739	0	0.375	N.D. #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 13:56
 Operator : MJB
 Sample : 0060273-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 18:35:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

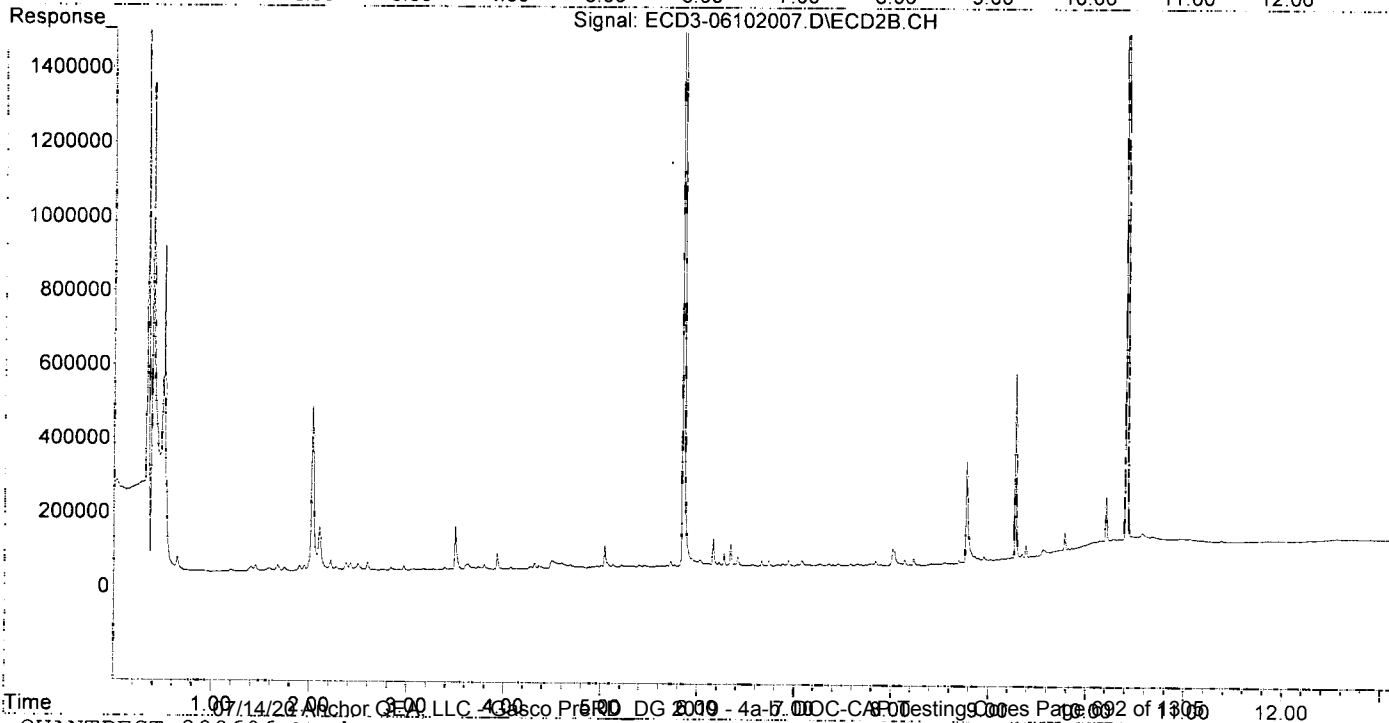
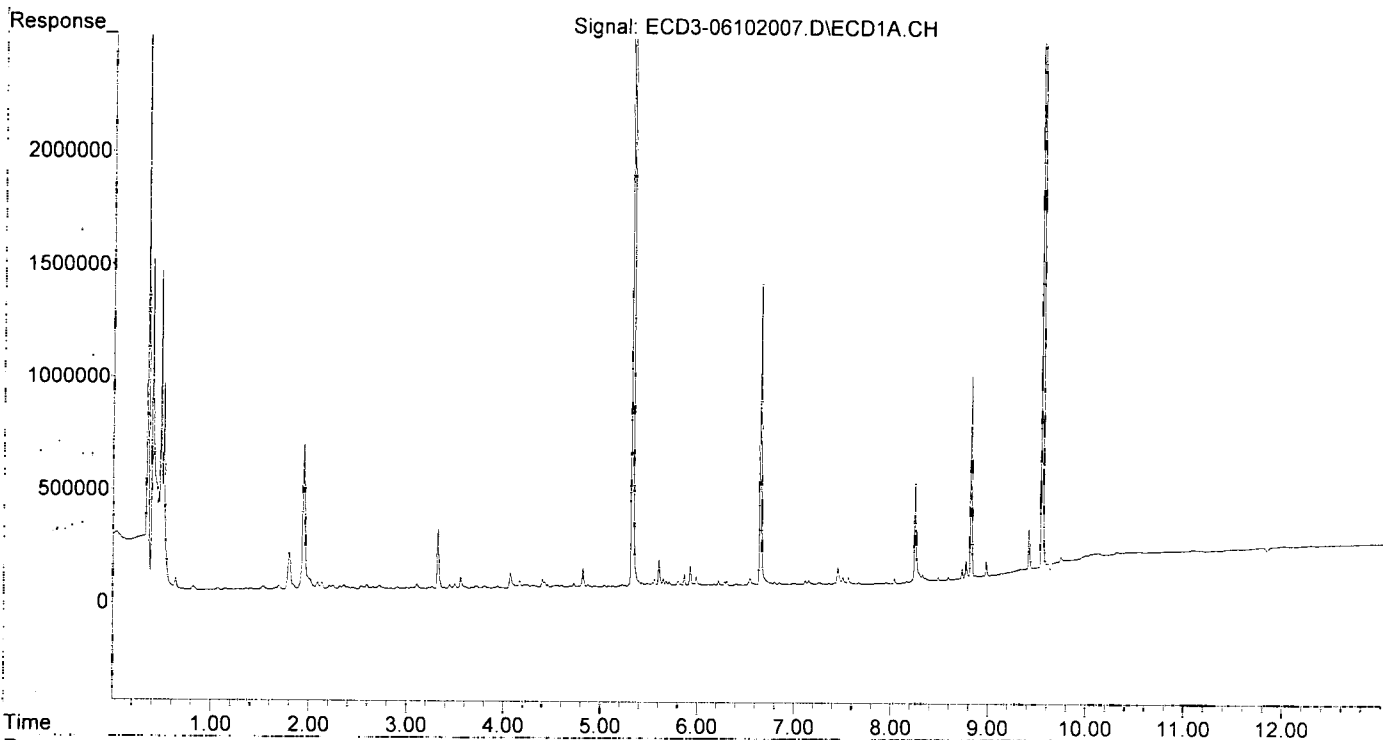
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.847	5705042	3858292	38.161	57.752 #
22) S DCBP (S)	9.553	10.411	5363609	3280960	47.877	48.837
Target Compounds						
2) a-BHC	5.866	0.000	48588	0	0.228	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.220	6.825	19876	4360	0.252	0.097 #
5) Heptachlor	6.547	0.000	28998	0	0.174	N.D. #
6) d-BHC	6.404f	7.077f	4906	12354	0.029	0.142 #
7) Aldrin	6.800	0.000	13797	0	0.075	N.D. #
8) Heptachlo...	7.251	7.839	8032	10921	0.050	0.103 #
9) trans-Chl...	0.000	8.018f	0	43937	N.D.	0.407 #
10) cis-Chlor...	7.453	8.138f	74105	13278	0.149	0.123
11) Endosulfa...	7.562	8.138	30725	13278	0.205	0.143
12) 4,4'-DDE	7.506f	8.231	30409	17276	0.186	0.185
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.544f	0	4394	N.D.	0.058 #
15) 4,4'-DDD	7.956	8.627	4842	1433	0.037	0.020 #
16) Endosulfa...	8.037	8.729	21875	1264	0.171	0.016 #
17) 4,4'-DDT	8.164	8.859	7608	13787	0.036	0.122 #
18) Endrin Al...	8.357	8.953	15296	9077	6984.951	BelowCal #
19) Endosulfa...	8.679f	9.138f	1996	3202	0.016	0.046 #
20) Methoxychlor	8.489	9.344	15047	10537	0.286	0.363
21) Endrin Ke...	8.826	9.560	896442	15021	6.495	0.187 #
23) Hexachlor...	3.106	3.498f	17903	113632	BelowCal	0.598
24) Hexachlor...	5.711	6.342f	18192	60281	0.125	0.805 #
25) Oxychlordane	0.000	7.798	0	4101	N.D.	7645.602 #
26) 2,4'-DDE	7.251f	8.018f	8032	43937	BelowCal	0.424
27) trans-Non...	7.453	0.000	74105	0	0.025	N.D. #
28) 2,4'-DDD	7.664	0.000	6087	0	0.066m	N.D. #
29) 2,4'-DDT	0.000	8.579	0	2835	N.D.	0.063m#
30) cis-Nonac...	7.956f	8.627	4842	1433	0.028	7106.758 #
31) Mirex	8.593	9.560	12263	15021	20727.510	4424.900 #
32) Chlordane...	0.000	8.018	0	43937	N.D.	3.502 #
33) Chlordane...	7.453	8.138	74105	13278	3.345	1.240 #
34) Chlordane...	8.037	8.776	21875	270254	4.356	89.004 #
35) Chlordane...	0.000	3.929	0	43162	N.D.	NoCal
36) Toxaphene...	7.453	0.000	74105	0	100.105	N.D. #
37) Toxaphene...	0.000	8.696	0	7194	N.D.	6.315 #
38) Toxaphene...	8.037	8.729	21875	1264	7.763	0.754 #
39) Toxaphene...	8.326f	8.776f	31177	270254	BelowCal	91.192
40) Toxaphene...	8.489f	8.953f	15047	9077	7.627	1.460 #
41) Toxaphene...	8.593	9.344	12263	10537	4.417	6.569 #
42) Toxaphene...	0.000	3.929	0	43162	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 13:56
Operator : MJB
Sample : 0060273-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

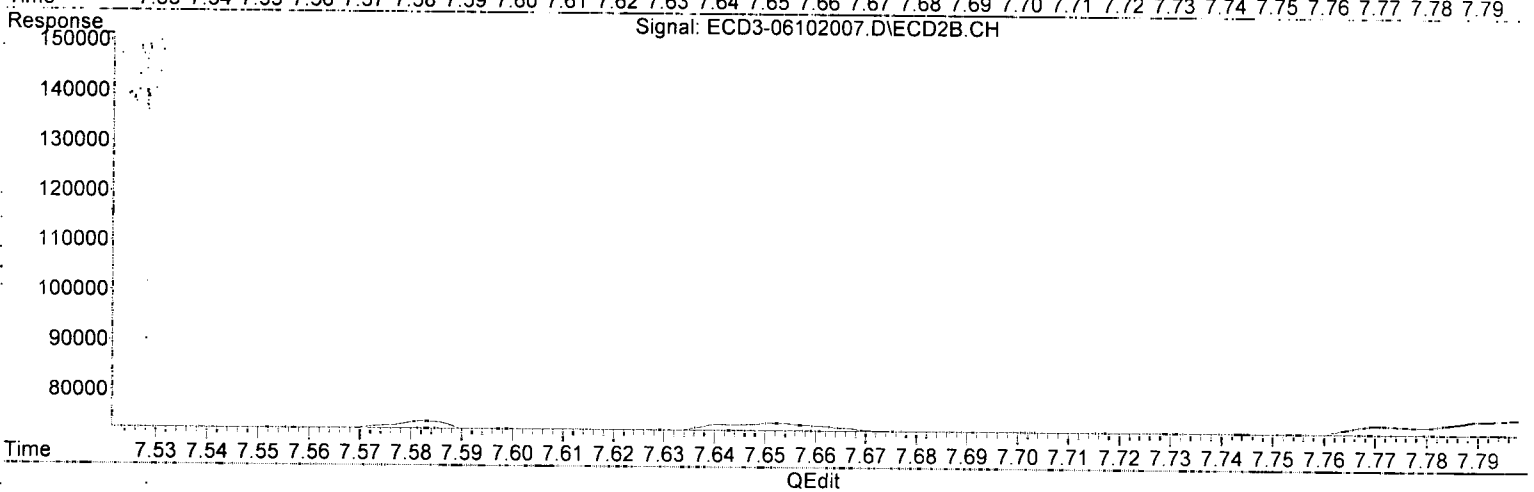
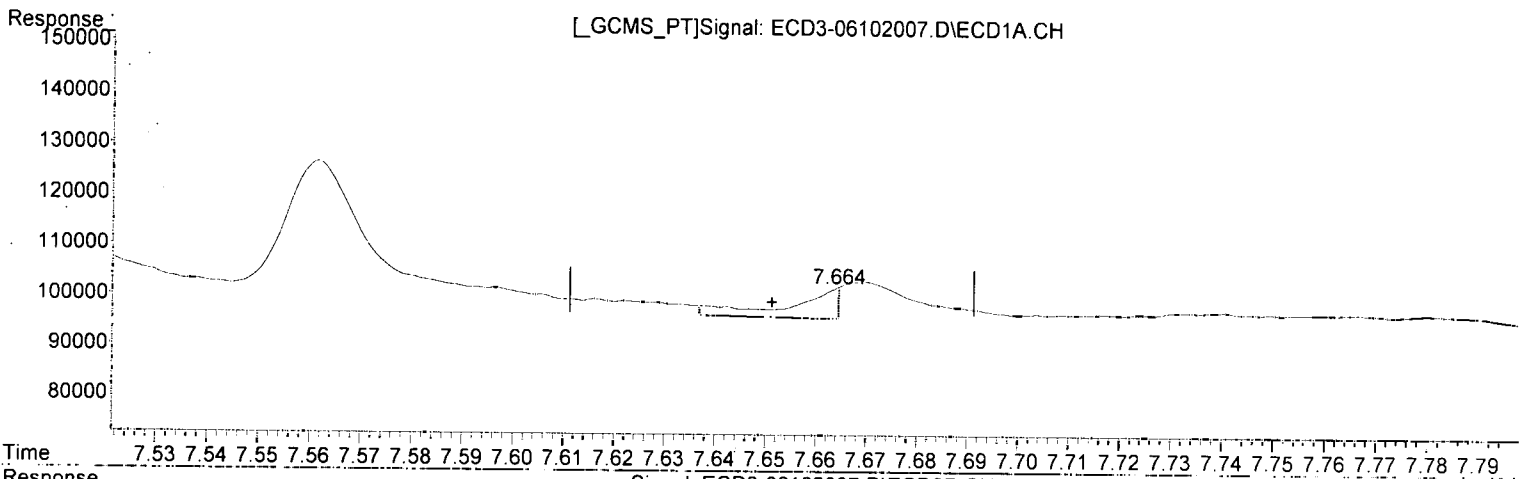
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 18:35:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 13:56
Operator : MJB
Sample : 0060273-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:31:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.664min 0.066 ng/mL(m)
response 6087

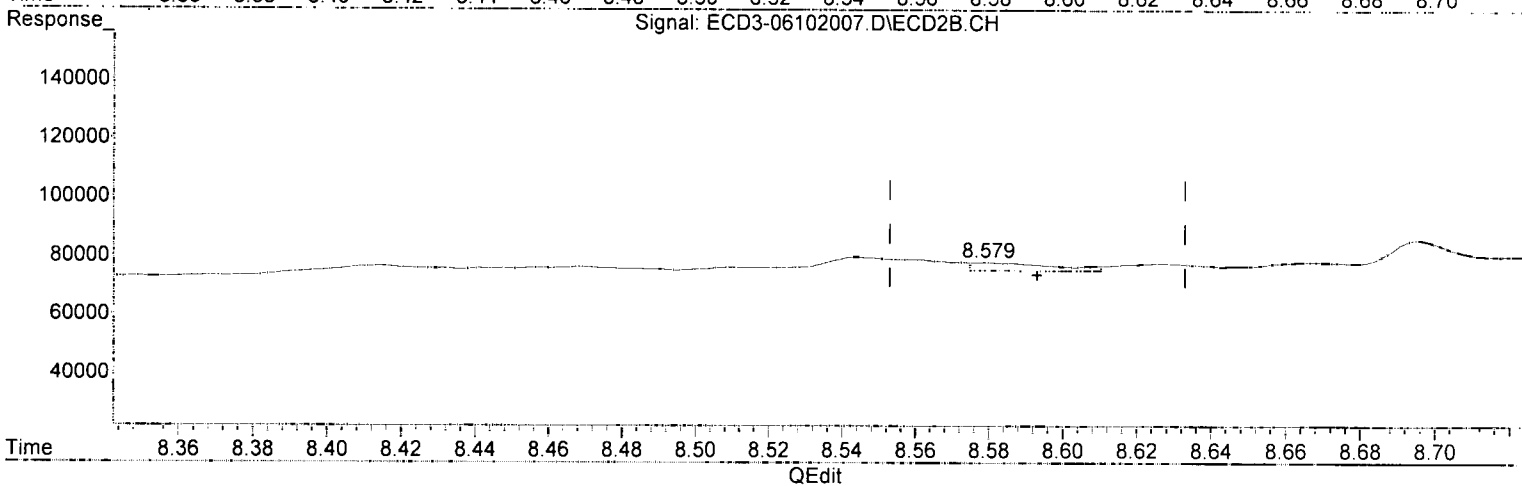
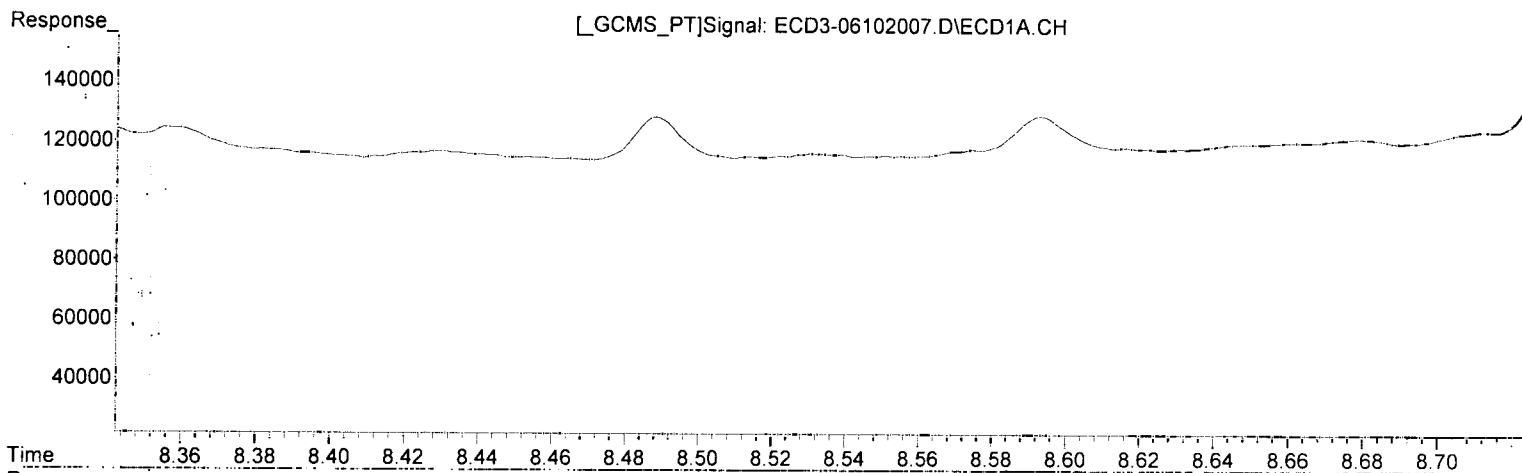
*MJB
6/11/20*

(28) 2,4'-DDD #2
0.000min 0.000 ng/mL
response 0

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 13:56
Operator : MJB
Sample : 0060273-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:31:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
0.000min 0.000 ng/mL
response 0

*MJB
6/11/20*

(29) 2,4'-DDT #2
8.579min 0.063 ng/mL (m)
response 2835

Data Path: C:\msdchem\3\data\2020-06\0F10057\
 Data File: ECD3-06102007.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 10 Jun 2020 13:56
 Operator: MJB
 Sample: 0060273-BLK1
 Misc: 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial: 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:31:56 2020
 Quant Method: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title: Instrument: DualECD3
 QLast Update: Sun Jun 07 13:18:44 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

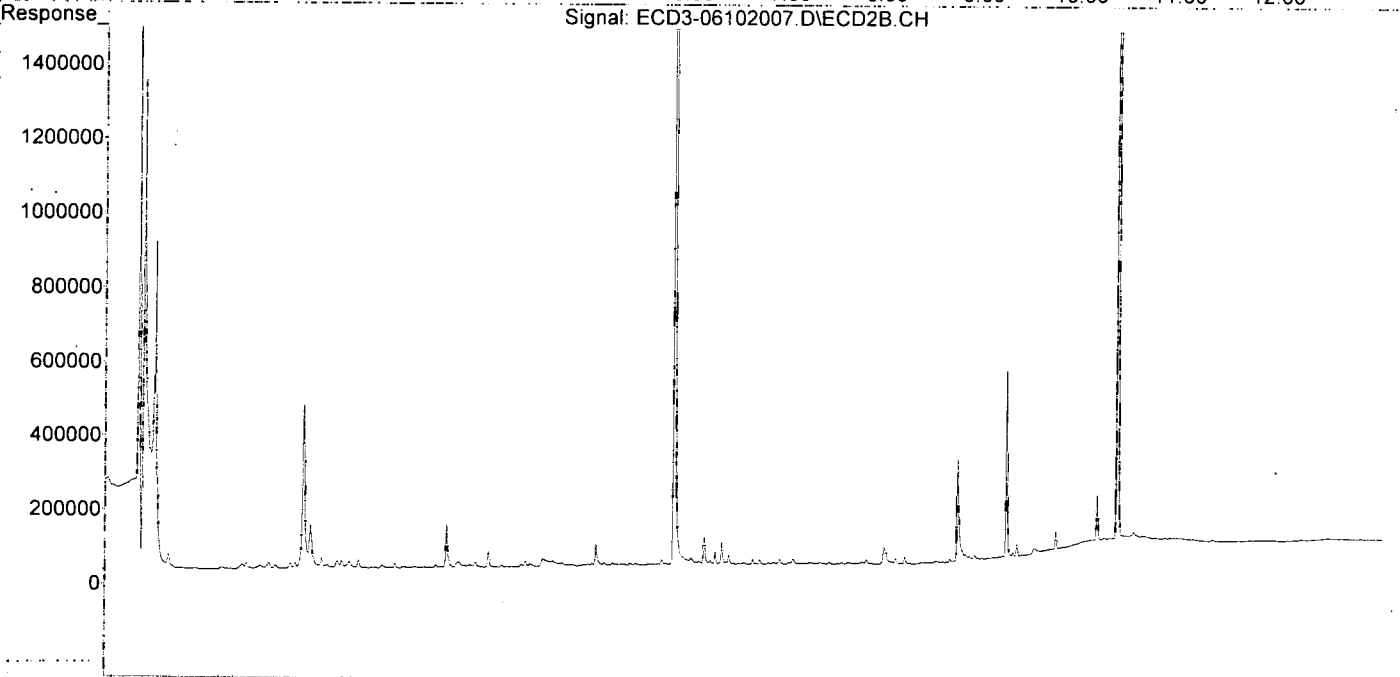
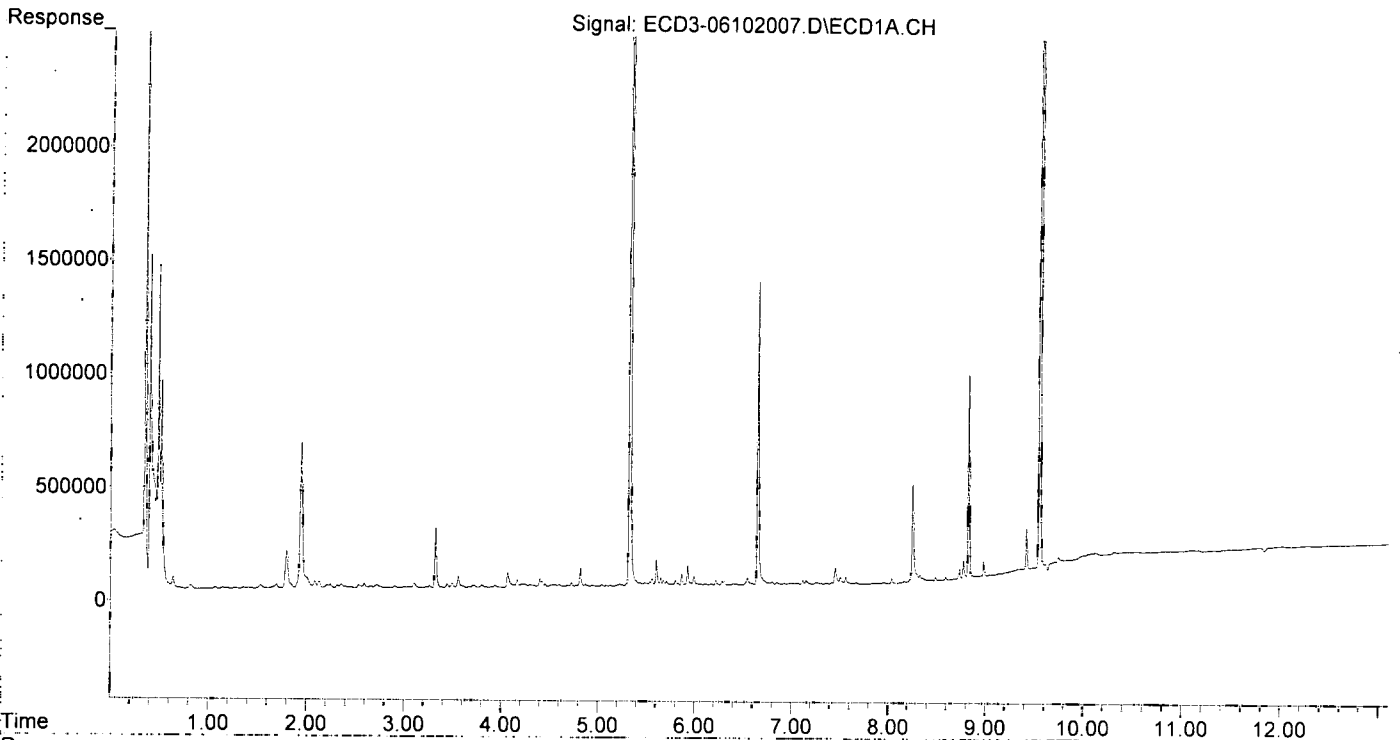
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.847	5705042	3858292	38.161	57.752 #
22) S DCBP (S)	9.553	10.411	5363609	3280960	47.877	48.837
Target Compounds						
2) a-BHC	5.866	0.000	48588	0	0.228	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.220	6.825	19876	4360	0.252	0.097 #
5) Heptachlor	6.547	0.000	28998	0	0.174	N.D. #
6) d-BHC	6.404f	7.077f	4906	12354	0.029	0.142 #
7) Aldrin	6.800	0.000	13797	0	0.075	N.D. #
8) Heptachlo...	7.251	7.839	8032	10921	0.050	0.103 #
9) trans-Chl...	0.000	8.018f	0	43937	N.D.	0.407 #
10) cis-Chlor...	7.453	8.138f	74105	13278	0.149	0.123
11) Endosulfa...	7.562	8.138	30725	13278	0.205	0.143
12) 4,4'-DDE	7.506f	8.231	30409	17276	0.186	0.185
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.544f	0	4394	N.D.	0.058 #
15) 4,4'-DDD	7.956	8.627	4842	1433	0.037	0.020 #
16) Endosulfa...	8.037	8.729	21875	1264	0.171	0.016 #
17) 4,4'-DDT	8.164	8.859	7608	13787	0.036	0.122 #
18) Endrin Al...	8.357	8.953	15296	9077	6984.951	BelowCal #
19) Endosulfa...	8.679f	9.138f	1996	3202	0.016	0.046 #
20) Methoxychlor	8.489	9.344	15047	10537	0.286	0.363
21) Endrin Ke...	8.826	9.560	896442	15021	6.495	0.187 #
23) Hexachlor...	3.106	3.498f	17903	113632	BelowCal	0.598
24) Hexachlor...	5.711	6.342f	18192	60281	0.125	0.805 #
25) Oxychlordane	0.000	7.798	0	4101	N.D.	7645.602 #
26) 2,4'-DDE	7.251f	8.018f	8032	43937	BelowCal	0.424
27) trans-Non...	7.453	0.000	74105	0	0.025	N.D. #
28) 2,4'-DDD	7.669	0.000	6938	0	0.076	N.D. #
29) 2,4'-DDT	0.000	8.627f	0	1433	N.D.	0.032 #
30) cis-Nonac...	7.956f	8.627	4842	1433	0.028	7106.758 #
31) Mirex	8.593	9.560	12263	15021	20727.510	4424.900 #
32) Chlordane...	0.000	8.018	0	43937	N.D.	3.502 #
33) Chlordane...	7.453	8.138	74105	13278	3.345	1.240 #
34) Chlordane...	8.037	8.776	21875	270254	4.356	89.004 #
35) Chlordane...	0.000	3.929	0	43162	N.D.	NoCal
36) Toxaphene...	7.453	0.000	74105	0	100.105	N.D. #
37) Toxaphene...	0.000	8.696	0	7194	N.D.	6.315 #
38) Toxaphene...	8.037	8.729	21875	1264	7.763	0.754 #
39) Toxaphene...	8.326f	8.776f	31177	270254	BelowCal	91.192
40) Toxaphene...	8.489f	8.953f	15047	9077	7.627	1.460 #
41) Toxaphene...	8.593	9.344	12263	10537	4.417	6.569 #
42) Toxaphene...	0.000	3.929	0	43162	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 13:56
Operator : MJB
Sample : 0060273-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:31:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 14:13
 Operator : MJB
 Sample : 0060273-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:00 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/11/20*

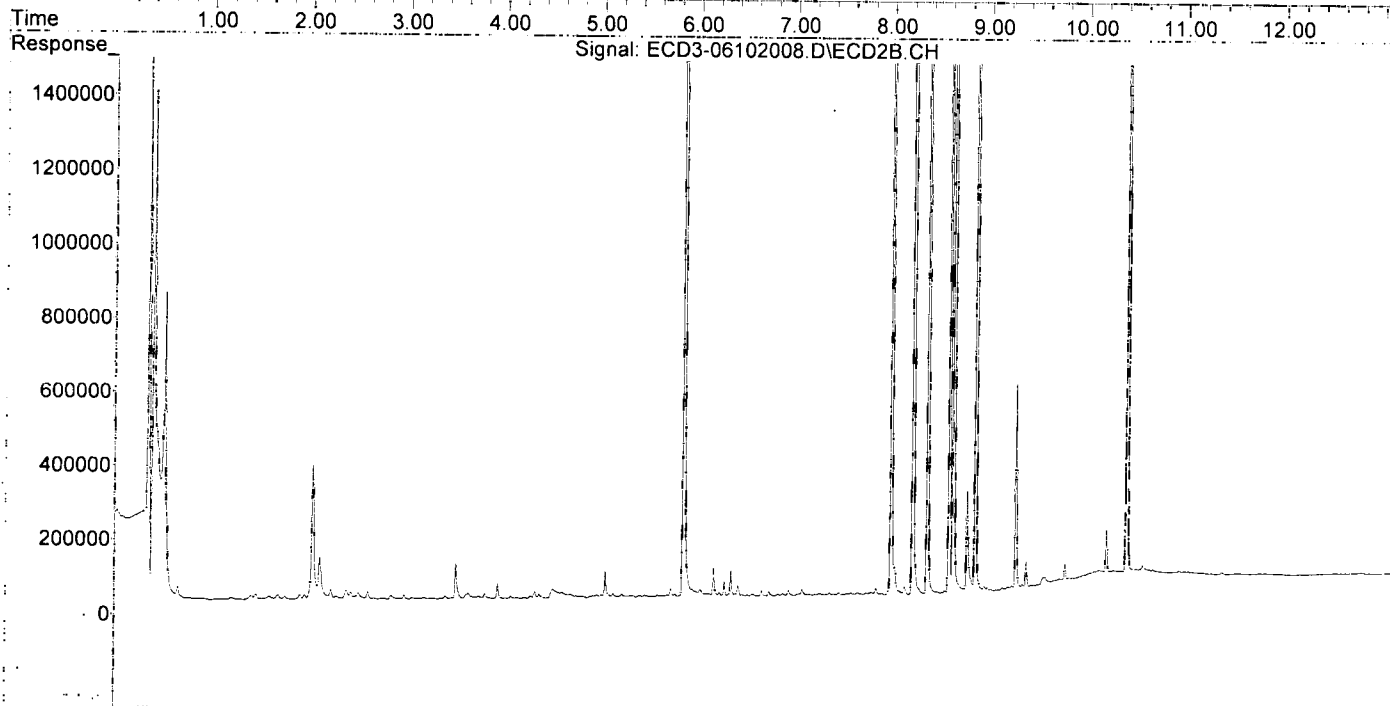
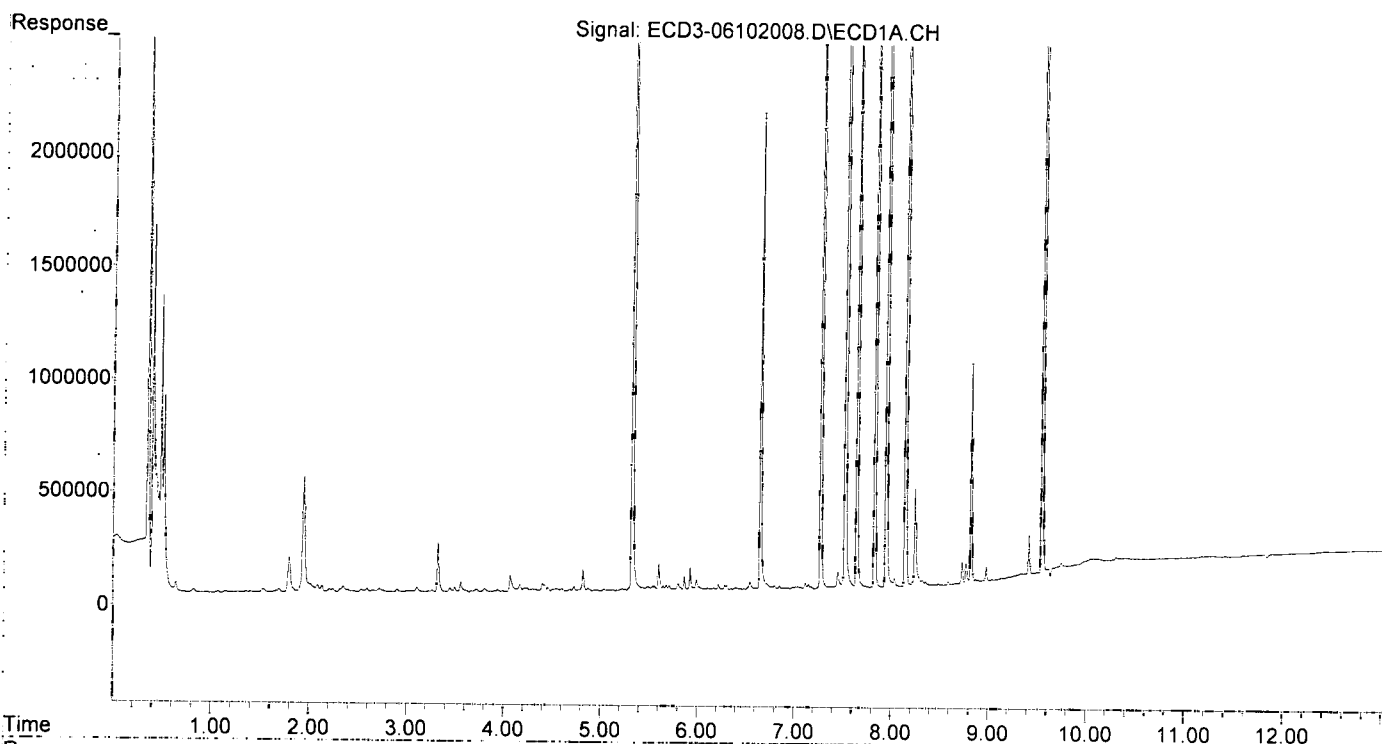
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.847	5593264	3923245	37.413	58.652 #
22) S DCBP (S)	9.553	10.411	5119052	3036525	45.683	45.167
Target Compounds						
2) a-BHC	5.866	0.000	59596	0	0.280	N.D. #
3) g-BHC	6.173f	0.000	6082	0	0.033	N.D. #
4) b-BHC	6.218	6.824	23730	3846	0.300	0.085 #
5) Heptachlor	6.546	0.000	32391	0	0.195	N.D. #
6) d-BHC	6.402f	7.076f	7993	13659	0.048	0.157 #
7) Aldrin	6.800	0.000	15527	0	0.085	N.D. #
8) Heptachlo...	7.274	7.839	4457975	17308	27.557	0.164 #
9) trans-Chl...	7.353	7.993	7154	3216327	0.042	29.758 #
10) cis-Chlor...	7.453	8.135f	73010	21206	0.142	0.196
11) Endosulfa...	7.527f	8.135	7282828	21206	48.506	0.228 #
12) 4,4'-DDE	7.527	8.216	7282828	5114655	44.636	54.854
13) Dieldrin	0.000	8.367	0	3208041	N.D.	30.840 #
14) Endrin	0.000	8.592	0	3418451	N.D.	44.833 #
15) 4,4'-DDD	7.950	8.634	6789973	4399269	52.373	60.833
16) Endosulfa...	8.036	0.000	37581	0	0.294	N.D. #
17) 4,4'-DDT	8.149	8.861	6066876	3861414	59.029	68.825
18) Endrin Al...	8.358	8.985	16477	8143	6984.939	BelowCal #
19) Endosulfa...	8.662	9.139f	2754	3908	0.022	0.056 #
20) Methoxychlor	8.489	9.345	7020	7389	0.133	0.227 #
21) Endrin Ke...	8.826	9.576	973121	19062	7.051	0.237 #
23) Hexachlor...	3.106	3.497f	18205	92347	BelowCal	0.444
24) Hexachlor...	5.710	6.340f	15779	64946	0.108	0.881 #
25) Oxychlordane	0.000	7.789	0	6557	N.D.	7645.573 #
26) 2,4'-DDE	7.274	7.993	4457975	3216327	44.878	52.498
27) trans-Non...	7.453	8.033f	73010	74902	0.018	0.419 #
28) 2,4'-DDD	7.648	8.367	4778623	3208041	52.207	60.431
29) 2,4'-DDT	7.833	8.592	5054244	3418451	65.519	75.391 <i>Q-21</i>
30) cis-Nonac...	7.950f	8.634	6789973	4399269	38.908	41.276
31) Mirex	8.593	9.576f	12651	19062	20727.506	0.015 #
32) Chlordane...	7.385	7.993	7452	3216327	0.415	256.357 #
33) Chlordane...	7.453	8.135	73010	21206	3.296	1.980
34) Chlordane...	8.036	8.775	37581	269226	7.484	88.665 #
35) Chlordane...	0.000	3.929	0	39133	N.D.	NoCal
36) Toxaphene...	7.453	8.367f	73010	3208041	98.626	3422.743 #
37) Toxaphene...	0.000	8.692	0	21899	N.D.	19.224 #
38) Toxaphene...	8.036	8.692f	37581	21899	13.336	13.058
39) Toxaphene...	8.324f	8.775f	25434	269226	BelowCal	90.757
40) Toxaphene...	8.489f	8.985	7020	8143	3.558	0.819 #
41) Toxaphene...	8.593	9.345	12651	7389	4.557	4.607
42) Toxaphene...	0.000	3.929	0	39133	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 14:13
Operator : MJB
Sample : 0060273-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 14:30
 Operator : MJB
 Sample : A0E0668-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 18:40:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

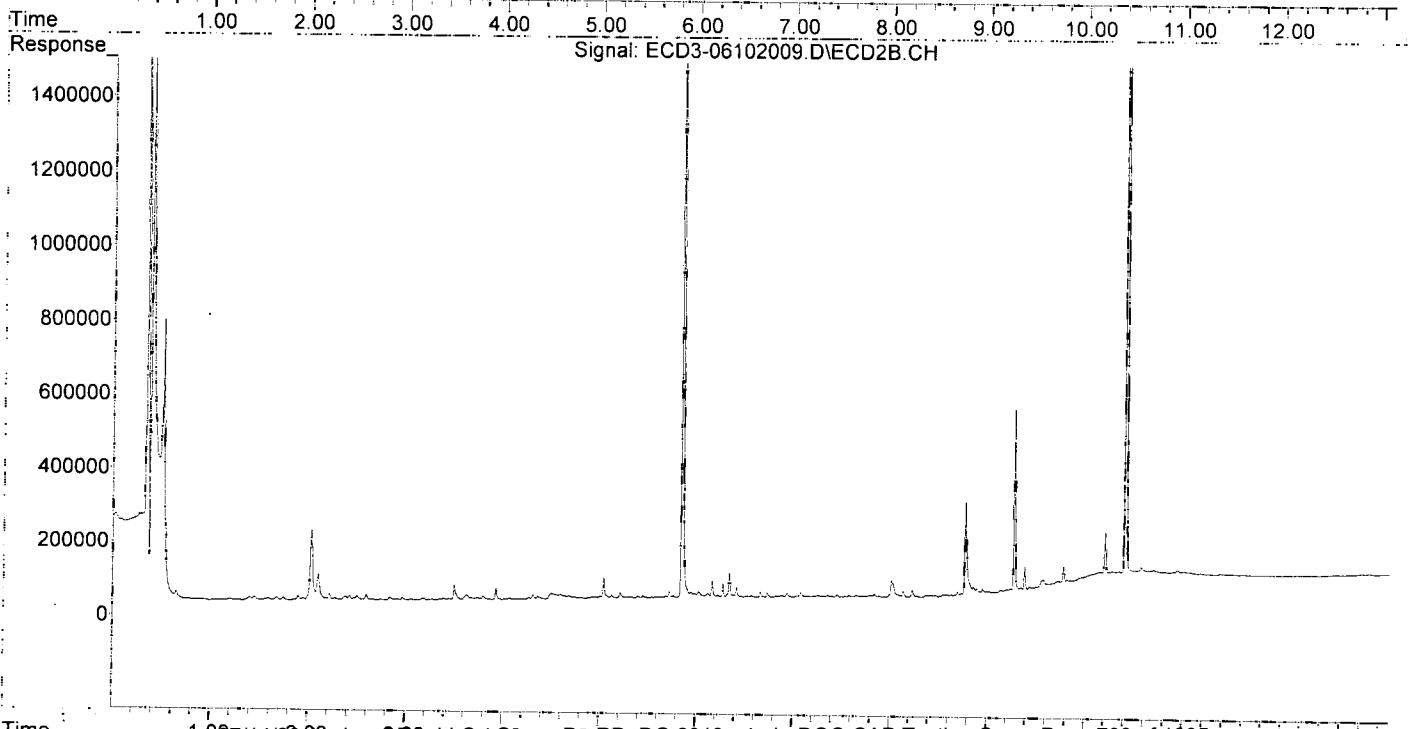
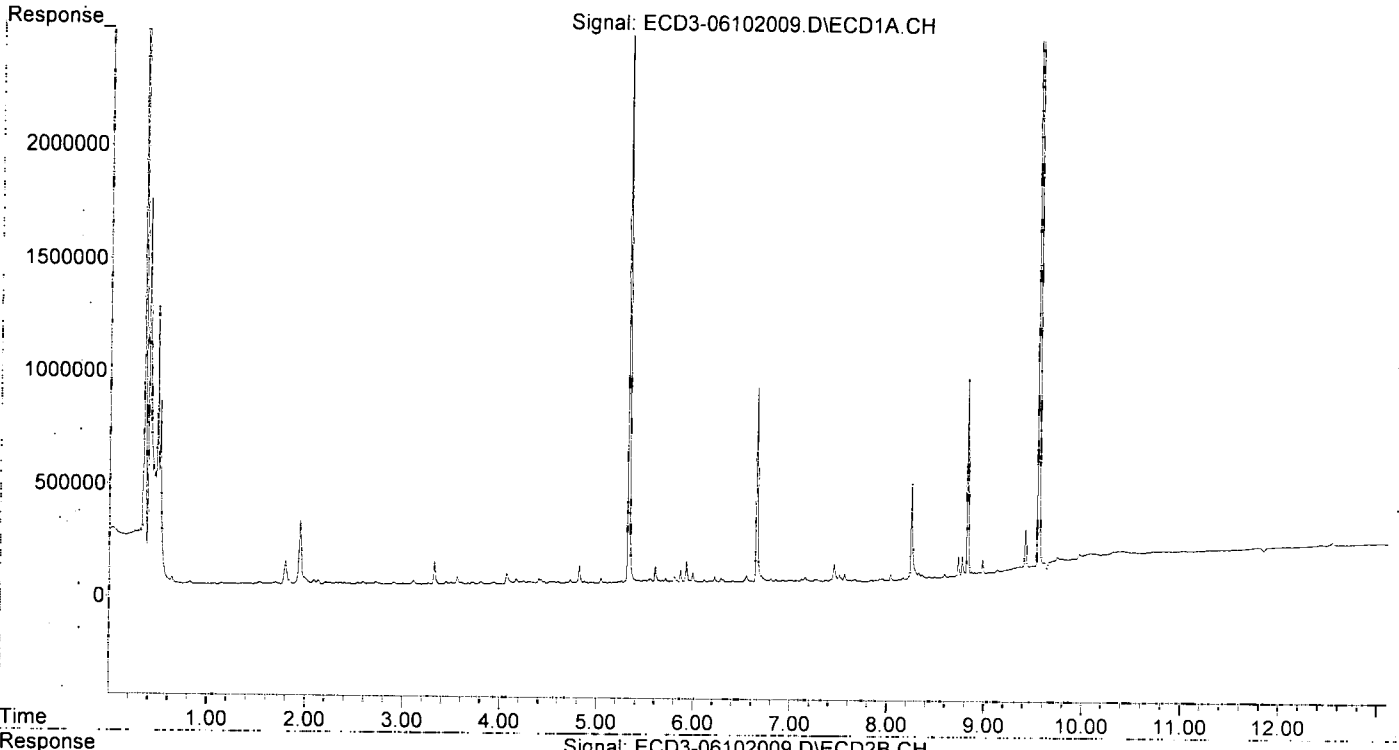
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.847	3197988	2135983	21.391	33.050 #
22) S DCBP (S)	9.553	10.411	5156676	3008255	46.021	44.742
Target Compounds						
2) a-BHC	5.866	0.000	53642	0	0.252	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.219	6.824	22961	4005	0.291	0.089 #
5) Heptachlor	6.547	0.000	26983	0	0.162	N.D. #
6) d-BHC	0.000	7.077f	0	10908	N.D.	0.125 #
7) Aldrin	6.800	0.000	13767	0	0.075	N.D. #
8) Heptachlo...	7.274	7.840	10754	7793	0.066	0.074
9) trans-Chl...	7.369	8.017	5978	44535	0.035	0.412 #
10) cis-Chlor...	7.451	8.138f	77593	16401	0.171	0.152
11) Endosulfa...	7.561	8.138	32542	16401	0.217	0.176
12) 4,4'-DDE	7.525	8.230	16100	17553	0.099	0.188 #
13) Dieldrin	0.000	8.369	0	4604	N.D.	0.044 #
14) Endrin	7.924f	8.591	7653	4125	0.059	0.054
15) 4,4'-DDD	7.953	8.633	9135	2866	0.070	0.040 #
16) Endosulfa...	8.037	8.733	28161	2507	0.220	0.032 #
17) 4,4'-DDT	8.165	8.861	10046	15594	0.063	0.160 #
18) Endrin Al...	8.359	8.954	19358	8336	6984.911	BelowCal #
19) Endosulfa...	8.660	9.140f	3007	4921	0.024	0.070 #
20) Methoxychlor	8.490	9.344	5913	5207	0.112	0.133
21) Endrin Ke...	8.826	9.574	876185	17633	6.348	0.219 #
23) Hexachlor...	3.107	3.499f	14186	38057	BelowCal	0.051
24) Hexachlor...	5.711	6.341f	17957	63954	0.123	0.865 #
25) Oxychlordane	0.000	7.794	0	4097	N.D.	7645.602 #
26) 2,4'-DDE	7.274	8.017f	10754	44535	BelowCal	0.435
27) trans-Non...	7.451	0.000	77593	0	0.049	N.D. #
28) 2,4'-DDD	7.666	8.369	10957	4604	0.120m	BelowCal #
29) 2,4'-DDT	7.833	8.591	5546	4125	0.072	0.091
30) cis-Nonac...	7.924	8.633	7653	2866	0.044	7106.745 #
31) Mirex	8.592	9.574f	15746	17633	20727.475	4424.859 #
32) Chlordane...	7.369	8.017	5978	44535	0.333	3.550 #
33) Chlordane...	7.451	8.138	77593	16401	3.503	1.531 #
34) Chlordane...	8.037	8.775	28161	248468	5.608	81.829 #
35) Chlordane...	0.000	3.930	0	29743	N.D.	NoCal
36) Toxaphene...	7.451	8.369f	77593	4604	104.817	4.912 #
37) Toxaphene...	0.000	8.696	0	8449	N.D.	7.417 #
38) Toxaphene...	8.037	8.733	28161	2507	9.993	1.495 #
39) Toxaphene...	8.325f	8.775f	28590	248468	BelowCal	81.959
40) Toxaphene...	8.490f	8.954f	5913	8336	2.997	0.952 #
41) Toxaphene...	8.592	9.344	15746	5207	5.672	3.246 #
42) Toxaphene...	0.000	3.930	0	29743	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 14:30
Operator : MJB
Sample : A0E0668-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

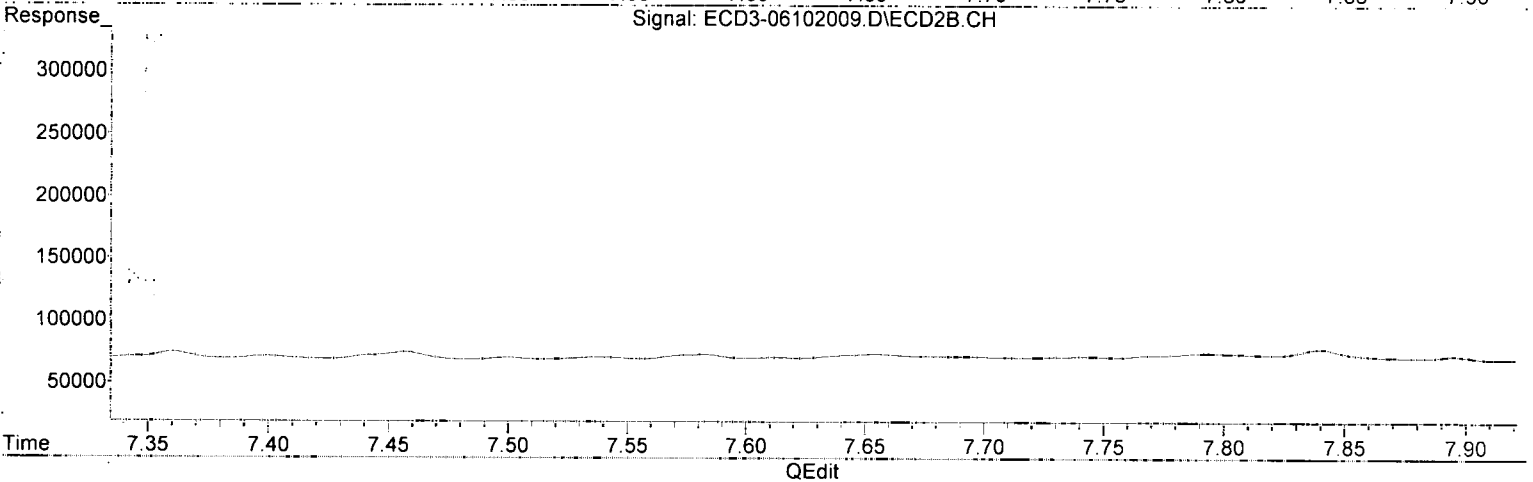
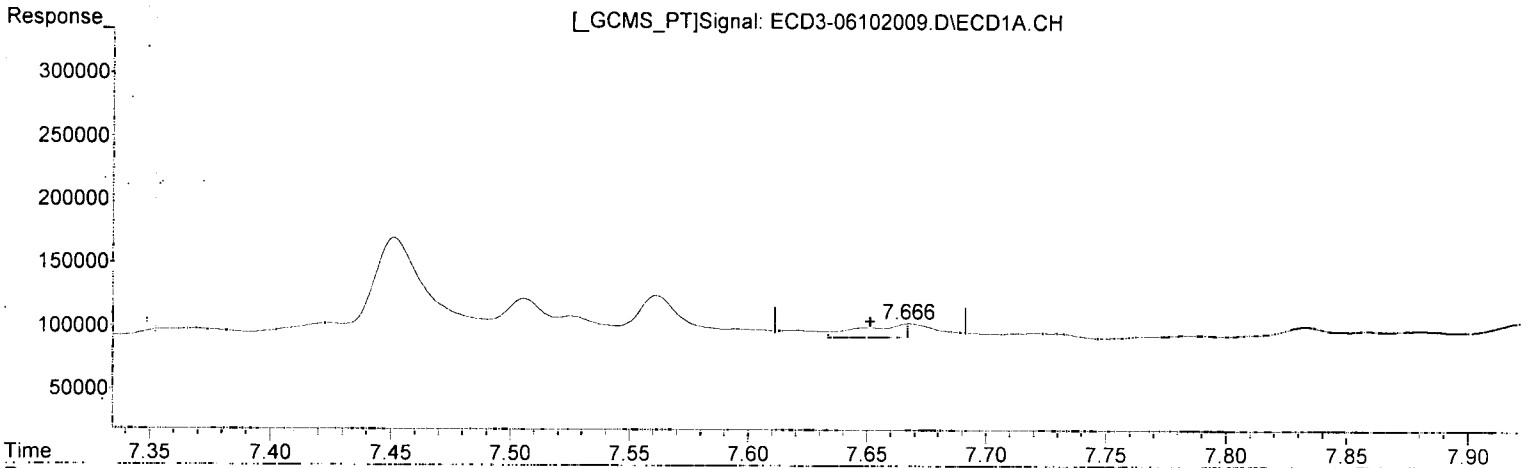
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 18:40:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 14:30
Operator : MJB
Sample : A0E0668-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.666min 0.120 ng/mL(m)
response 10957

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(28) 2,4'-DDD #2
8.369min -0.101 ng/mL
response 4604

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 14:30
 Operator : MJB
 Sample : AOE0668-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:04 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
MJB
6/11/20

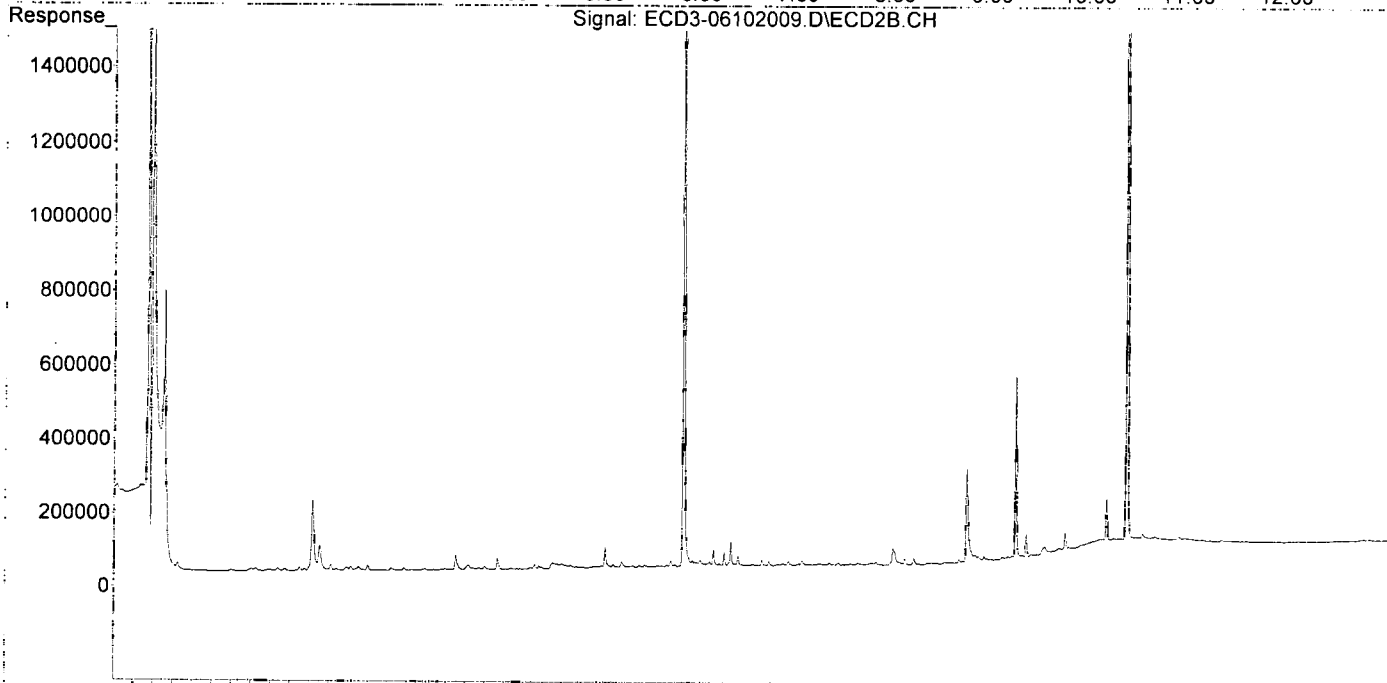
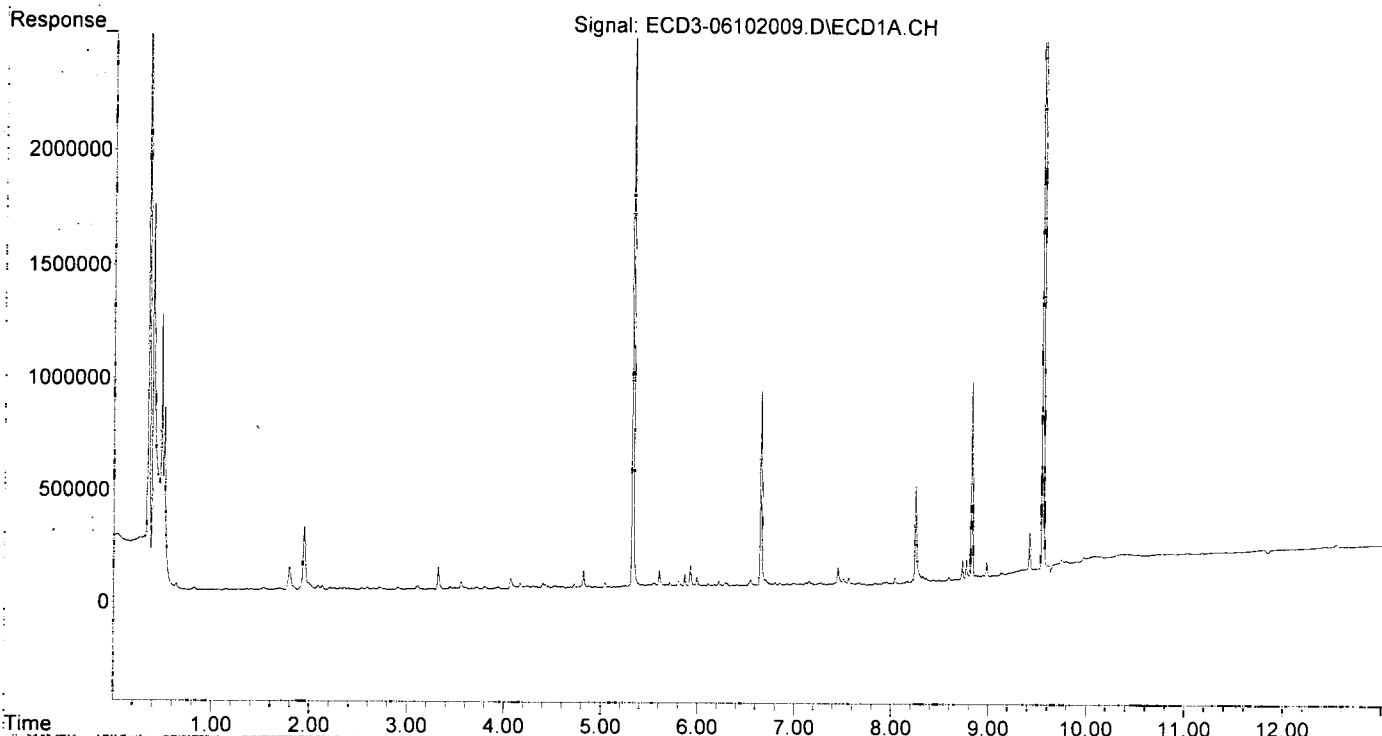
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.847	3197988	2135983	21.391	33.050 #
22) S DCBP (S)	9.553	10.411	5156676	3008255	46.021	44.742
Target Compounds						
2) a-BHC	5.866	0.000	53642	0	0.252	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.219	6.824	22961	4005	0.291	0.089 #
5) Heptachlor	6.547	0.000	26983	0	0.162	N.D. #
6) d-BHC	0.000	7.077f	0	10908	N.D.	0.125 #
7) Aldrin	6.800	0.000	13767	0	0.075	N.D. #
8) Heptachlo...	7.274	7.840	10754	7793	0.066	0.074
9) trans-Chl...	7.369	8.017	5978	44535	0.035	0.412 #
10) cis-Chlor...	7.451	8.138f	77593	16401	0.171	0.152
11) Endosulfa...	7.561	8.138	32542	16401	0.217	0.176
12) 4,4'-DDE	7.525	8.230	16100	17553	0.099	0.188 #
13) Dieldrin	0.000	8.369	0	4604	N.D.	0.044 #
14) Endrin	7.924f	8.591	7653	4125	0.059	0.054
15) 4,4'-DDD	7.953	8.633	9135	2866	0.070	0.040 #
16) Endosulfa...	8.037	8.733	28161	2507	0.220	0.032 #
17) 4,4'-DDT	8.165	8.861	10046	15594	0.063	0.160 #
18) Endrin Al...	8.359	8.954	19358	8336	6984.911	BelowCal #
19) Endosulfa...	8.660	9.140f	3007	4921	0.024	0.070 #
20) Methoxychlor	8.490	9.344	5913	5207	0.112	0.133
21) Endrin Ke...	8.826	9.574	876185	17633	6.348	0.219 #
23) Hexachlor...	3.107	3.499f	14186	38057	BelowCal	0.051
24) Hexachlor...	5.711	6.341f	17957	63954	0.123	0.865 #
25) Oxychlorane	0.000	7.794	0	4097	N.D.	7645.602 #
26) 2,4'-DDE	7.274	8.017f	10754	44535	BelowCal	0.435
27) trans-Non...	7.451	0.000	77593	0	0.049	N.D. #
28) 2,4'-DDD	7.668	8.369	10200	4604	0.111	BelowCal #
29) 2,4'-DDT	7.833	8.591	5546	4125	0.072	0.091
30) cis-Nonac...	7.924	8.633	7653	2866	0.044	7106.745 #
31) Mirex	8.592	9.574f	15746	17633	20727.475	4424.859 #
32) Chlordane...	7.369	8.017	5978	44535	0.333	3.550 #
33) Chlordane...	7.451	8.138	77593	16401	3.503	1.531 #
34) Chlordane...	8.037	8.775	28161	248468	5.608	81.829 #
35) Chlordane...	0.000	3.930	0	29743	N.D.	NoCal
36) Toxaphene...	7.451	8.369f	77593	4604	104.817	4.912 #
37) Toxaphene...	0.000	8.696	0	8449	N.D.	7.417 #
38) Toxaphene...	8.037	8.733	28161	2507	9.993	1.495 #
39) Toxaphene...	8.325f	8.775f	28590	248468	BelowCal	81.959
40) Toxaphene...	8.490f	8.954f	5913	8336	2.997	0.952 #
41) Toxaphene...	8.592	9.344	15746	5207	5.672	3.246 #
42) Toxaphene...	0.000	3.930	0	29743	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 14:30
Operator : MJB
Sample : A0E0668-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path: C:\msdchem\3\data\2020-06\0F10057\
 Data File: ECD3-06102010.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 10 Jun 2020 14:47
 Operator: MJB
 Sample: 0060273-MS1
 Misc: 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial: 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:08 2020
 Quant Method: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title: Instrument: DualECD3
 QLast Update: Sun Jun 07 13:18:44 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

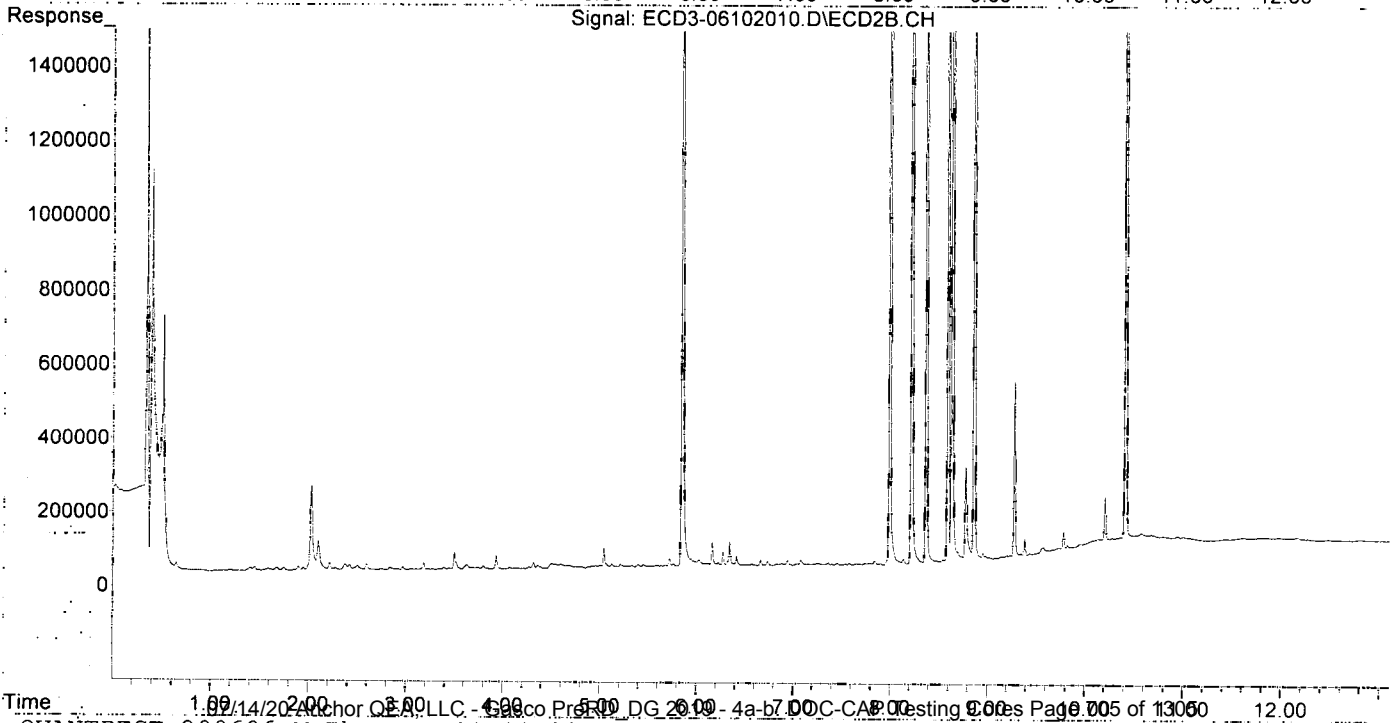
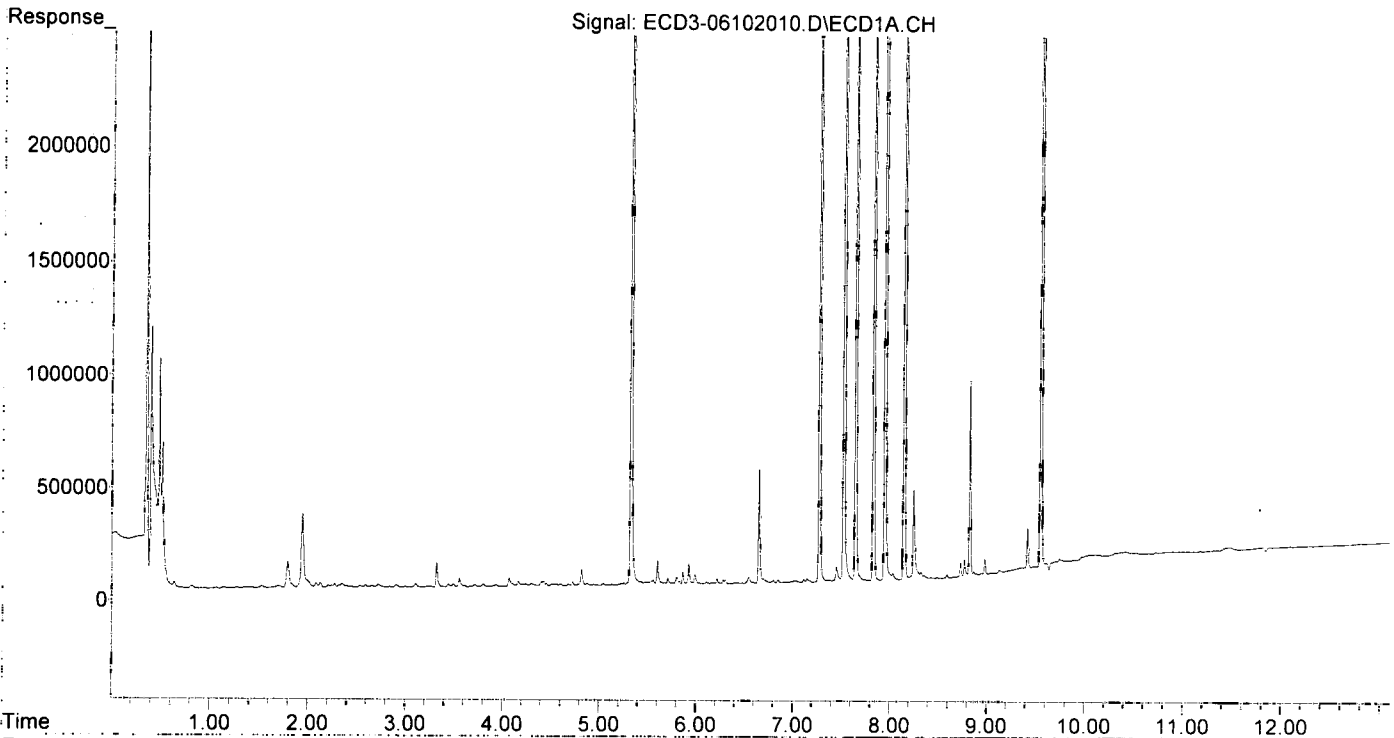
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.327	5.847	5134190	3341395	34.342	50.509	#
22) S DCBP (S)	9.553	10.411	5330534	3194379	47.581	47.537	
Target Compounds							
2) a-BHC	5.867	0.000	53280	0	0.250	N.D.	#
3) g-BHC	6.112f	0.000	7057	0	0.038	N.D.	#
4) b-BHC	6.219	6.826	22861	4051	0.289	0.090	#
5) Heptachlor	6.548	0.000	27293	0	0.164	N.D.	#
6) d-BHC	0.000	7.078f	0	12459	N.D.	0.143	#
7) Aldrin	6.800	0.000	11139	0	0.061	N.D.	#
8) Heptachlo...	7.275	7.840	4124478	11119	25.495	0.105	#
9) trans-Chl...	7.353	7.993	7060	2885574	0.041	26.698	#
10) cis-Chlor...	7.453	8.138f	67000	12823	0.103	0.119	#
11) Endosulfa...	7.528f	8.138	7041768	12823	46.900	0.138	#
12) 4,4'-DDE	7.528	8.217	7041768	4852110	43.158	52.038	
13) Dieldrin	0.000	8.368	0	3268278	N.D.	31.419	#
14) Endrin	0.000	8.593	0	3294914	N.D.	43.213	#
15) 4,4'-DDD	7.951	8.635	6755993	4766394	52.111	65.910	
16) Endosulfa...	8.037	8.695f	28917	22046	0.226	0.277	
17) 4,4'-DDT	8.150	8.861	6102610	4106791	59.347	72.586	
18) Endrin Al...	8.358	8.953	12881	9908	6984.974	BelowCal	#
19) Endosulfa...	8.662	9.139f	2808	4218	0.022	0.060	#
20) Methoxychlor	0.000	9.343	0	5423	N.D.	0.142	#
21) Endrin Ke...	8.827	9.575	864195	14940	6.261	0.186	#
23) Hexachlor...	3.107	3.498f	14535	45678	BelowCal	0.106	
24) Hexachlor...	5.711	6.320	27523	11246	0.189	0.012	#
25) Oxychlorane	0.000	7.790	0	5008	N.D.	7645.592	#
26) 2,4'-DDE	7.275	7.993	4124478	2885574	41.534	47.211	
27) trans-Non...	7.453	0.000	67000	0	BelowCal	N.D.	
28) 2,4'-DDD	7.649	8.368	4599934	3268278	50.255	61.544	
29) 2,4'-DDT	7.833	8.593	4903865	3294914	63.570	72.666	
30) cis-Nonac...	7.951f	8.635	6755993	4766394	38.714	44.758	
31) Mirex	8.594	9.575f	13460	14940	20727.498	4424.901	#
32) Chlordane...	7.386	7.993	6538	2885574	0.364	229.994	#
33) Chlordane...	7.453	8.138	67000	12823	3.024	1.197	#
34) Chlordane...	8.037	8.776	28917	247023	5.758	81.353	#
35) Chlordane...	0.000	3.929	0	34212	N.D.	NoCal	
36) Toxaphene...	7.453	8.368f	67000	3268278	90.508	3487.011	#
37) Toxaphene...	0.000	8.695	0	22046	N.D.	19.353	#
38) Toxaphene...	8.037	8.695f	28917	22046	10.261	13.146	
39) Toxaphene...	8.326f	8.776f	29069	247023	BelowCal	81.346	
40) Toxaphene...	0.000	8.953f	0	9908	N.D.	2.031	#
41) Toxaphene...	8.594	9.343	13460	5423	4.849	3.381	
42) Toxaphene...	0.000	3.929	0	34212	N.D.	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 14:47
Operator : MJB
Sample : 0060273-MS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 15:05
 Operator : MJB
 Sample : 0060273-MSD1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:12 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

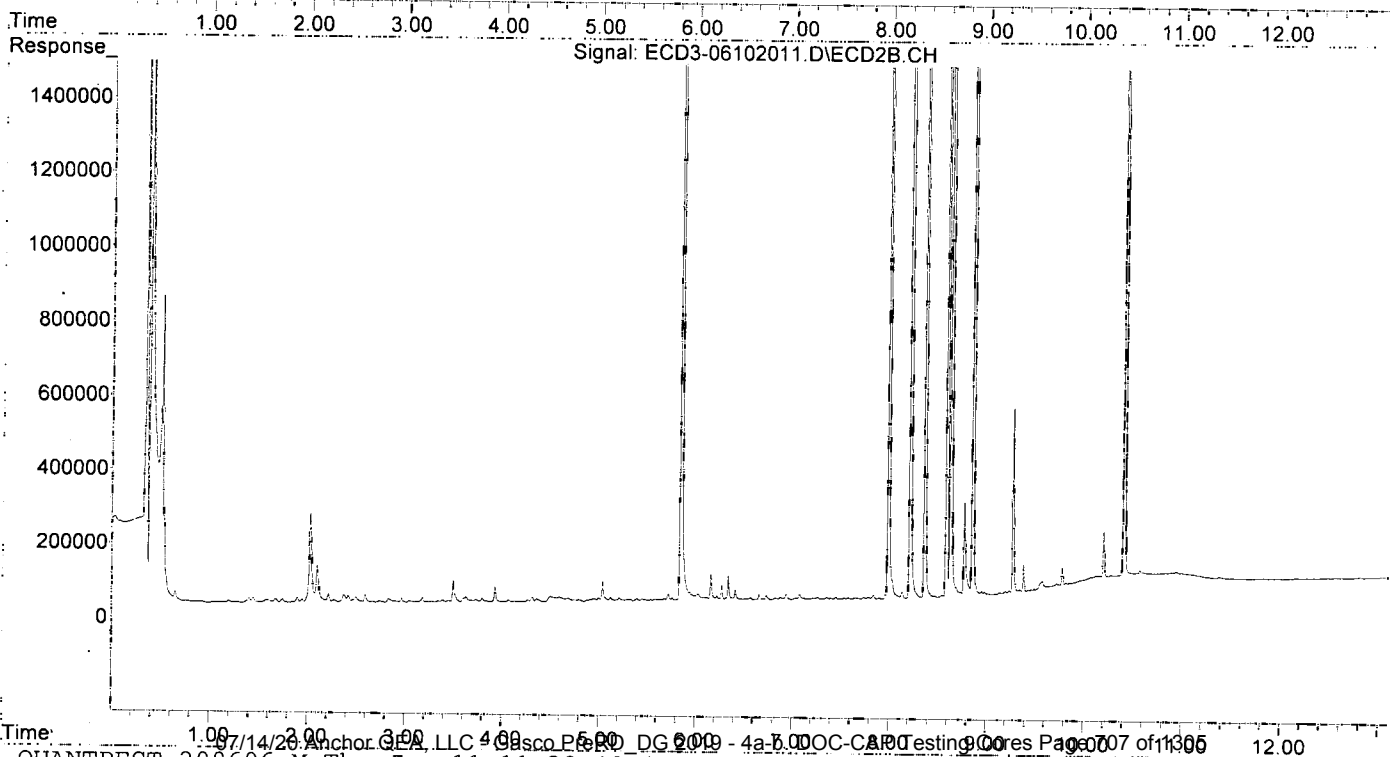
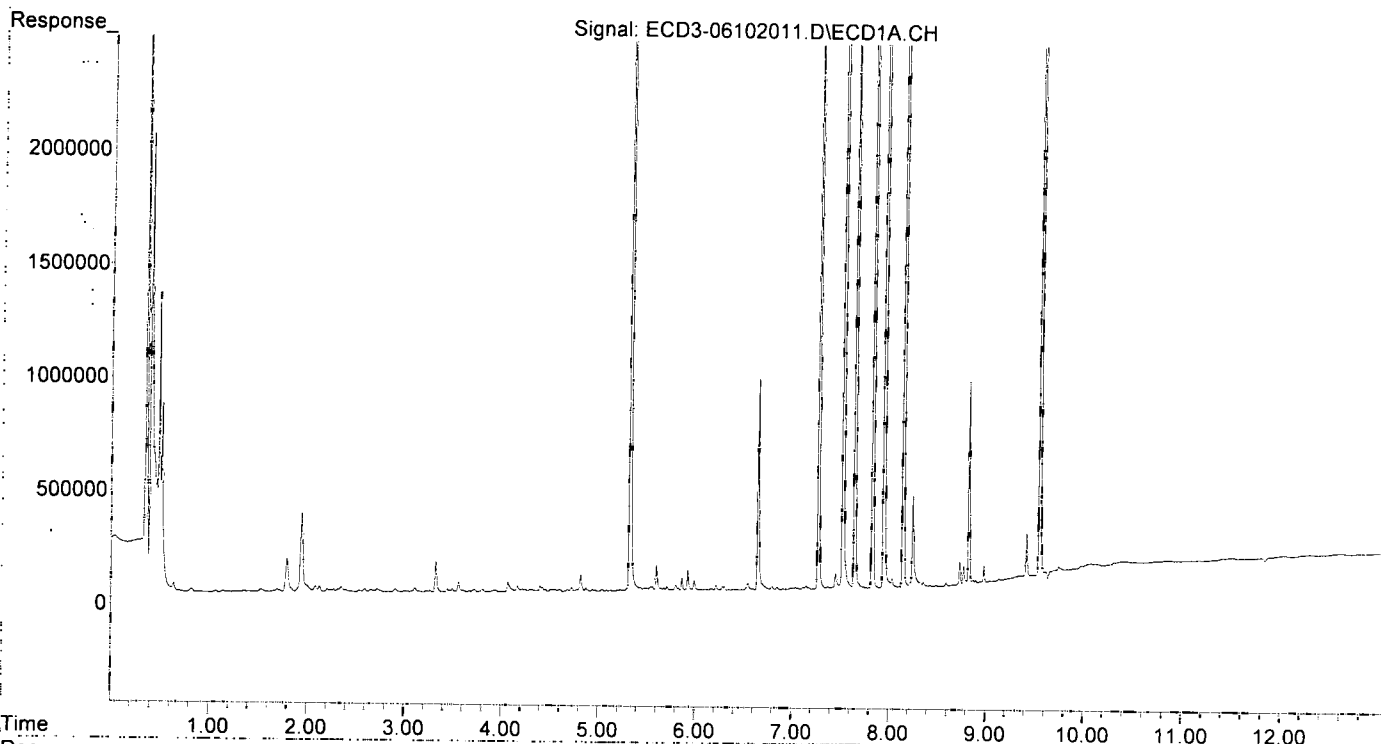
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.848	5467759	3623646	36.573	54.481 #
22) S DCBP (S)	9.553	10.411	5620668	3432851	50.184	51.120
Target Compounds						
2) a-BHC	5.866	0.000	52228	0	0.245	N.D. #
3) g-BHC	6.172f	0.000	5009	0	0.027	N.D. #
4) b-BHC	6.219	6.825	21881	4022	0.277	0.089 #
5) Heptachlor	6.547	0.000	28715	0	0.173	N.D. #
6) d-BHC	6.403f	7.078f	3189	13707	0.019	0.157 #
7) Aldrin	6.799	0.000	12283	0	0.067	N.D. #
8) Heptachlo...	7.275	7.841	4651737	10557	28.754	0.100 #
9) trans-Chl...	7.353	7.993	8024	3186861	0.047	29.485 #
10) cis-Chlor...	7.453	8.137f	67410	17949	0.106	0.166 #
11) Endosulfa...	7.528f	8.137	7631869	17949	50.830	0.193 #
12) 4,4'-DDE	7.528	8.217	7631869	5215489	46.775	55.935
13) Dieldrin	0.000	8.368	0	3560649	N.D.	34.230 #
14) Endrin	0.000	8.593	0	3663559	N.D.	48.048 #
15) 4,4'-DDD	7.951	8.634	7165823	4906317	55.272	67.845
16) Endosulfa...	8.036	0.000	39034	0	0.305	N.D. #
17) 4,4'-DDT	8.150	8.861	6808072	4383620	65.551	76.765
18) Endrin Al...	8.359	8.985	18489	8069	6984.919	BelowCal #
19) Endosulfa...	8.662	9.138f	2839	3616	0.023	0.052 #
20) Methoxychlor	8.491	9.346	5726	5849	0.109	0.161 #
21) Endrin Ke...	8.827	9.577	890559	21300	6.453	0.265 #
23) Hexachlor...	3.107	3.498f	16012	56425	BelowCal	0.184
24) Hexachlor...	5.711	6.341f	16047	62329	0.110	0.838 #
25) Oxychlordane	0.000	7.789	0	5593	N.D.	7645.585 #
26) 2,4'-DDE	7.275	7.993	4651737	3186861	46.818	52.028
27) trans-Non...	7.453	0.000	67410	0	BelowCal	N.D.
28) 2,4'-DDD	7.649	8.368	4883658	3560649	53.354	66.932
29) 2,4'-DDT	7.833	8.593	5286085	3663559	68.524	80.796
30) cis-Nonac...	7.951f	8.634	7165823	4906317	41.062	46.086
31) Mirex	8.594	9.577f	13886	21300	20727.494	0.050 #
32) Chlordane...	7.385	7.993	7606	3186861	0.423	254.008 #
33) Chlordane...	7.453	8.137	67410	17949	3.043	1.676 #
34) Chlordane...	8.036	8.776	39034	250788	7.773	82.593 #
35) Chlordane...	0.000	3.930	0	38261	N.D.	NoCal
36) Toxaphene...	7.453	8.368f	67410	3560649	91.061	3798.949 #
37) Toxaphene...	0.000	8.692	0	24224	N.D.	21.265 #
38) Toxaphene...	8.036	8.692f	39034	24224	13.851	14.445
39) Toxaphene...	8.327f	8.776f	22575	250788	BelowCal	82.943
40) Toxaphene...	8.491f	8.985	5726	8069	2.903	0.768 #
41) Toxaphene...	8.594	9.346	13886	5849	5.002	3.646
42) Toxaphene...	0.000	3.930	0	38261	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 15:05
Operator : MJB
Sample : 0060273-MSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 15:22
 Operator : MJB
 Sample : AOE0668-05RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:16 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

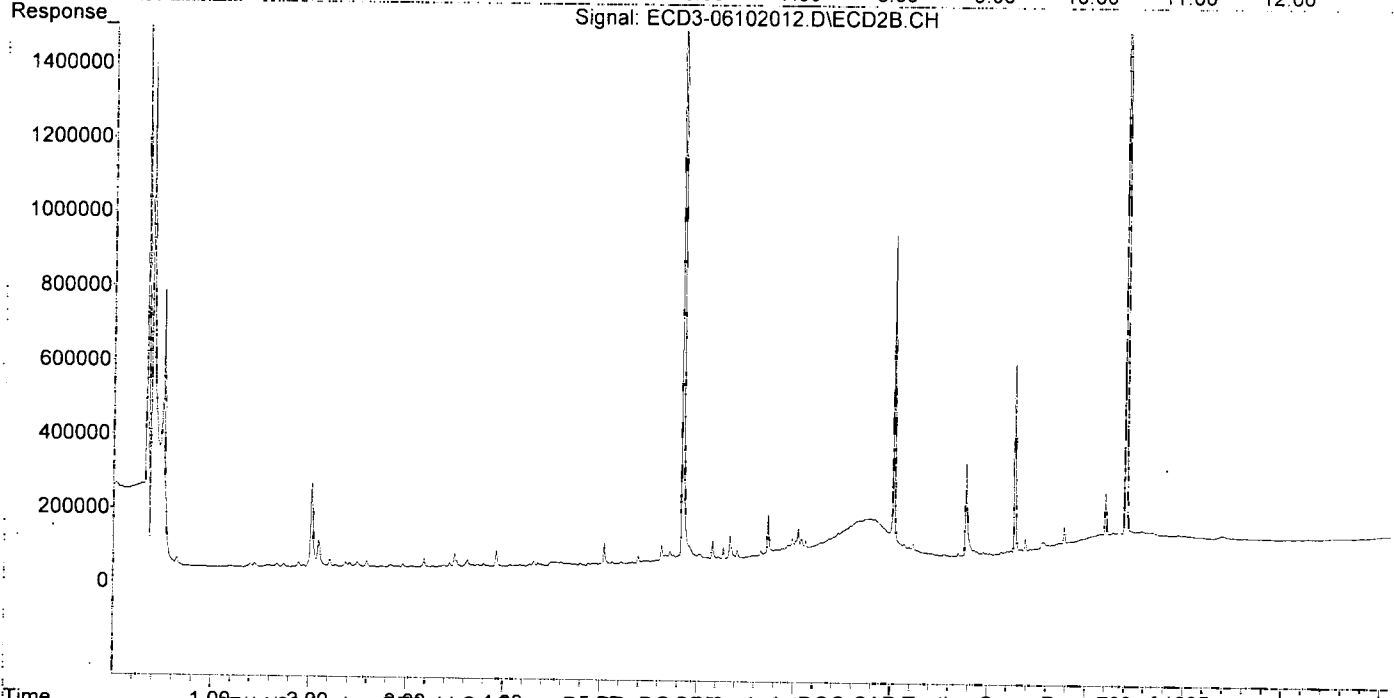
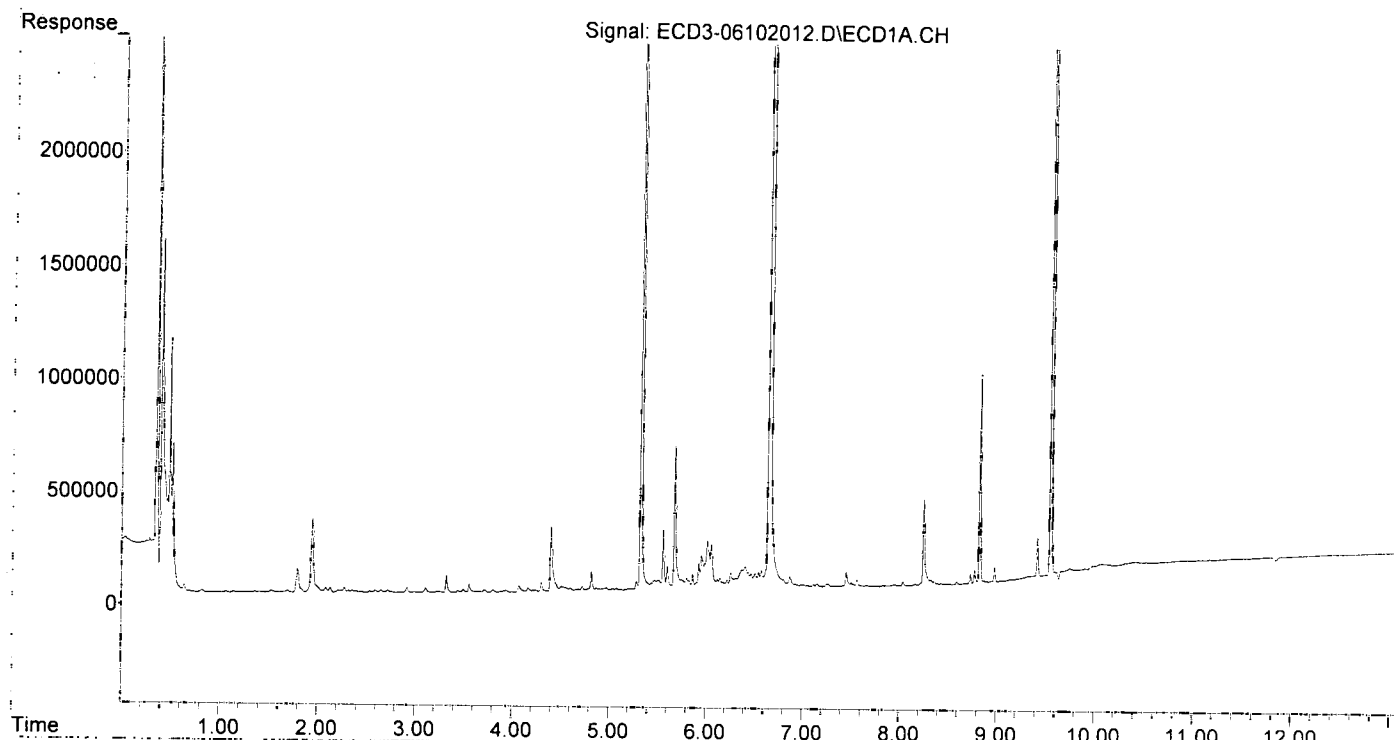
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.327	5.847	3993838	2577663	26.714	39.544 #
22) S DCBP (S)	9.553	10.411	5217616	3114228	46.568	46.333
Target Compounds						
2) a-BHC	5.865	0.000	64642	0	0.303	N.D. #
3) g-BHC	6.145	6.804f	43091	7023	0.232	0.063 #
4) b-BHC	6.219	6.846	33786	5972	0.428	0.132 #
5) Heptachlor	6.576	7.121f	72817	18764	0.438	0.190 #
6) d-BHC	6.375	7.079	75149	25892	0.450	0.297
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.250	7.839	11863	84183	0.073	0.798 #
9) trans-Chl...	0.000	8.034f	0	849236	N.D.	7.857 #
10) cis-Chlor...	7.453	8.137f	62648	21051	0.076	0.195 #
11) Endosulfa...	7.562	8.137	27192	21051	0.181	0.226
12) 4,4'-DDE	7.526	8.230	8201	22274	0.050	0.239 #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	7.953	0.000	7461	0	0.058	N.D. #
16) Endosulfa...	8.037	8.696f	19788	7679	0.155	0.097
17) 4,4'-DDT	8.166	8.859	4884	12830	0.007	0.101 #
18) Endrin Al...	8.358	8.955	11930	4884	6984.984	BelowCal #
19) Endosulfa...	0.000	9.139f	0	4464	N.D.	0.064 #
20) Methoxychlor	0.000	9.344	0	5552	N.D.	0.148 #
21) Endrin Ke...	8.826	9.566	928866	16323	6.730	0.203 #
23) Hexachlor...	3.109	3.498f	18870	34699	BelowCal	0.026
24) Hexachlor...	5.677f	6.341f	634405	60329	4.361	0.806 #
25) Oxychlorane	0.000	7.787	0	84938	N.D.	0.803 #
26) 2,4'-DDE	7.250f	0.000	11863	0	BelowCal	N.D.
27) trans-Non...	7.453	8.034f	62648	849236	BelowCal	8.241
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.832	0.000	4605	0	0.060	N.D. #
30) cis-Nonac...	7.953f	0.000	7461	0	0.043	N.D. #
31) Mirex	8.594	9.566	12356	16323	20727.509	4424.879 #
32) Chlordane...	0.000	8.034f	0	849236	N.D.	67.688 #
33) Chlordane...	7.453	8.137	62648	21051	2.828	1.965
34) Chlordane...	8.037	8.776	19788	246001	3.940	81.016 #
35) Chlordane...	0.000	3.928f	0	40430	N.D.	NoCal
36) Toxaphene...	7.453	0.000	62648	0	84.629	N.D. #
37) Toxaphene...	0.000	8.696	0	7679	N.D.	6.741 #
38) Toxaphene...	8.037	8.696f	19788	7679	7.022	4.579
39) Toxaphene...	8.326f	8.776f	21223	246001	BelowCal	80.911
40) Toxaphene...	0.000	8.955f	0	4884	N.D.	BelowCal
41) Toxaphene...	8.594	9.344	12356	5552	4.451	3.461
42) Toxaphene...	0.000	3.928f	0	40430	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 15:22
Operator : MJB
Sample : A0E0668-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 16:34
 Operator : MJB
 Sample : 0F10057-CCV3
 Misc : A20E233, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:29 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.326	5.848	14282884	8389020	95.537	116.190
22) S DCBP (S)	9.555	10.411	11816427	7028428	105.882	105.534
Target Compounds						
2) a-BHC	5.867	6.456	21809708	13760648	102.289	110.793
3) g-BHC	6.151	6.775	19114862	11822091	103.052	106.027
4) b-BHC	6.227	6.843	6780098	4723496	85.829	104.796
5) Heptachlor	6.563	7.149	17900696	11854821	107.597	120.223
6) d-BHC	6.377	7.098	14831192	10590961	88.802	121.481
7) Aldrin	6.804	7.415	18108466	11795647	98.671	98.797
8) Heptachlo...	7.269	7.856	16290864	10907300	100.701	103.362
9) trans-Chl...	7.365	7.997	16003305	10922867	93.935	101.059
10) cis-Chlor...	7.463	8.105	15569631	10487921	96.719	97.090
11) Endosulfa...	7.560	8.154	15147523	9811359	100.886	105.294
12) 4,4'-DDE	7.530	8.219	15453537	10176878	94.713	109.145
13) Dieldrin	7.733	8.355	17013848	11165328	104.276	107.337
14) Endrin	7.898	8.583	11301434	7274987	87.560	95.412
15) 4,4'-DDD	7.954	8.636	13762959	9421098	106.158	130.275
16) Endosulfa...	8.055	8.731	12694933	8909504	99.270	112.010
17) 4,4'-DDT	8.152	8.862	9502494	6020084	88.283	100.221
18) Endrin Al...	8.347	8.971	11650464	8010307	116.249	119.548
19) Endosulfa...	8.650	9.162	12843027	8232171	102.318	117.327
20) Methoxychlor	8.493	9.346	4763404	3322651	90.453	111.101
21) Endrin Ke...	8.844	9.560	16338708	10969095	118.381	136.525
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.710	0.000	26619	0	0.183	N.D. #
25) Oxychlordane	7.204	7.792	69675	22106	0.359	0.058 #
26) 2,4'-DDE	7.269	7.997	16290864	10922867	160.859	167.905
27) trans-Non...	7.463	0.000	15569631	0	102.116	N.D. #
28) 2,4'-DDD	0.000	8.355	0	11165328	N.D.	200.400 #
29) 2,4'-DDT	7.835	8.583	39140	7274987	0.507	160.443 #
30) cis-Nonac...	7.954f	8.636	13762959	9421098	78.865	89.207
31) Mirex	8.598	9.560	70821	10969095	0.422	176.956 #
32) Chlordane...	7.365	7.997	16003305	10922867	890.539	870.605
33) Chlordane...	7.463	8.105	15569631	10487921	702.808	979.137
34) Chlordane...	8.055f	8.782	12694933	314195	2528.022	103.475 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.463	8.355	15569631	11165328	21032.260	11912.580 #
37) Toxaphene...	7.733	8.731f	17013848	8909504	12515.153	7821.334
38) Toxaphene...	8.055	8.731	12694933	8909504	4504.842	5312.659
39) Toxaphene...	8.266f	8.782	635236	314195	243.615	109.720 #
40) Toxaphene...	8.552f	8.971	52710	8010307	26.719	3947.250 #
41) Toxaphene...	8.598	9.346	70821	3322651	25.512	2071.404 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

MJB
6/11/20

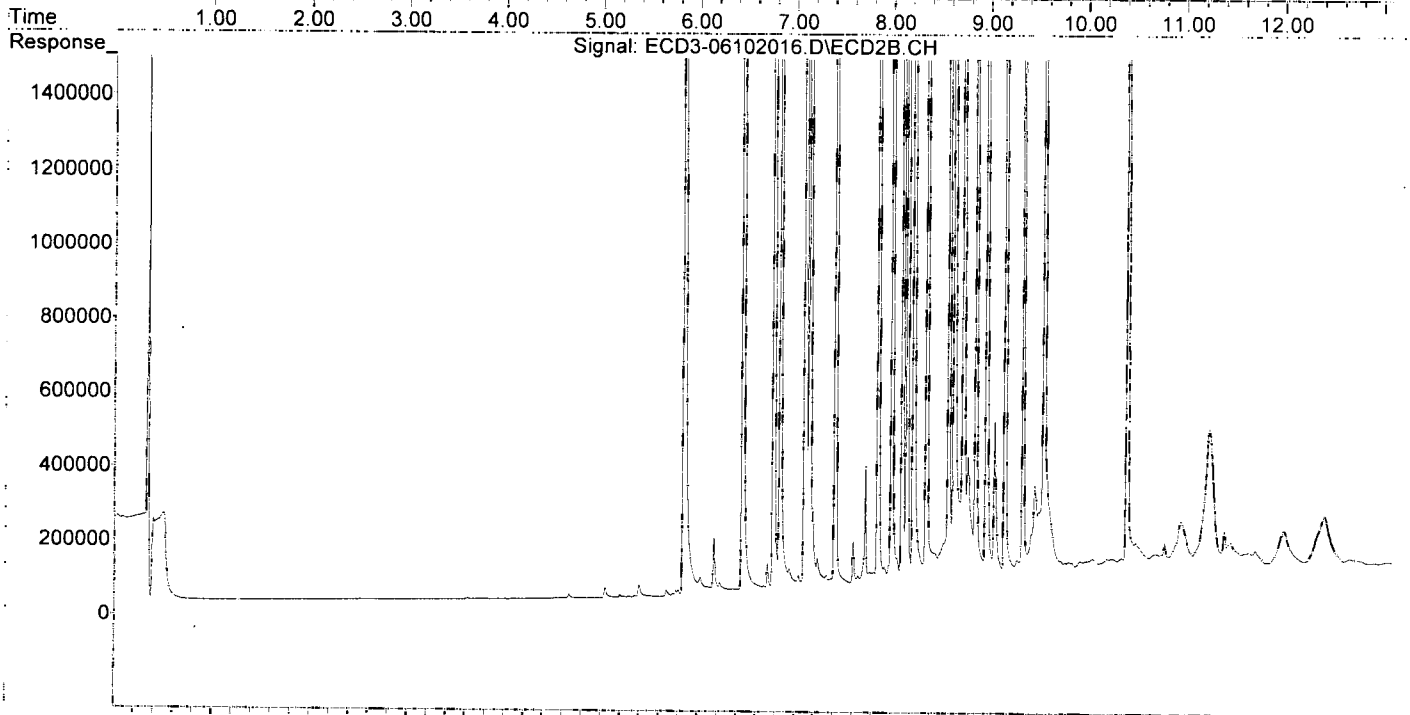
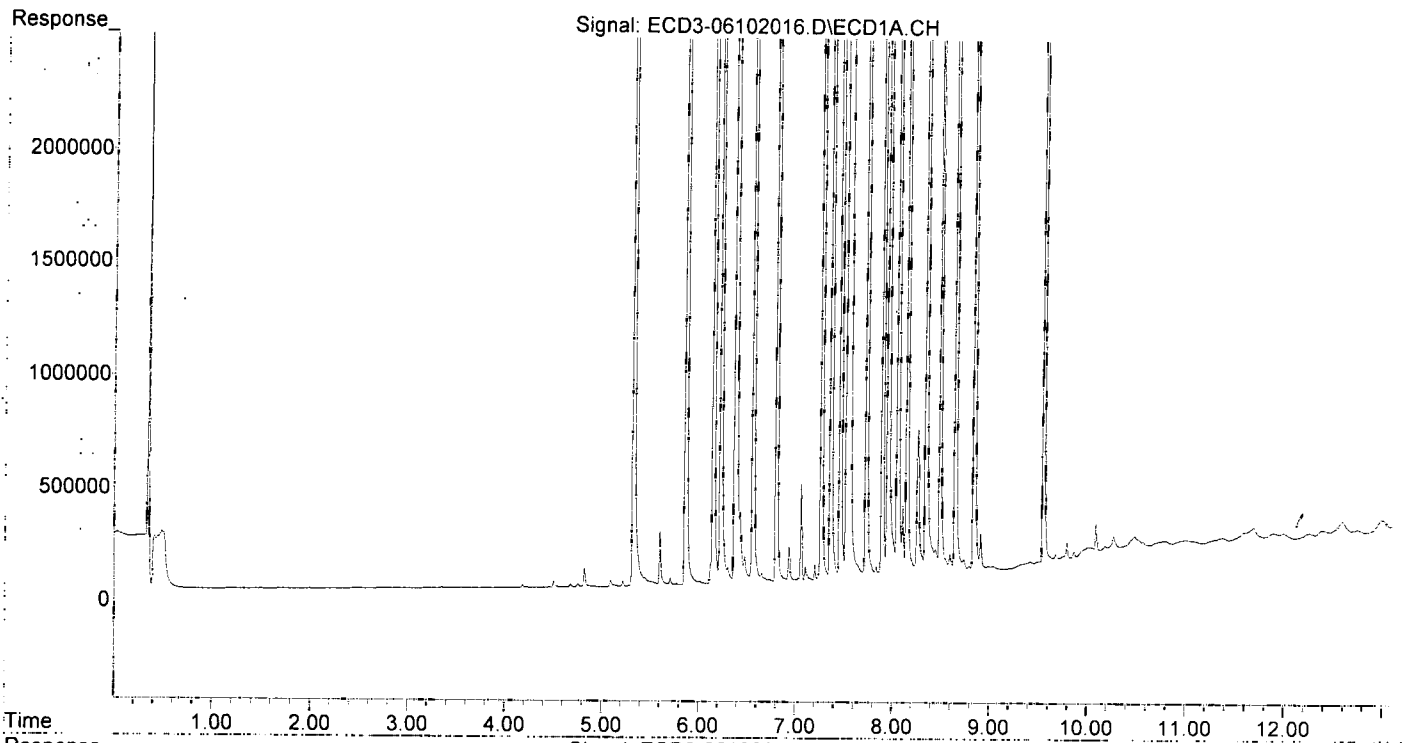
95.412
130.275 - R-41

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 16:34
Operator : MJB
Sample : 0F10057-CCV3
Misc : A20E233, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 16:51
 Operator : MJB
 Sample : 0F10057-CCV4
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:33 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

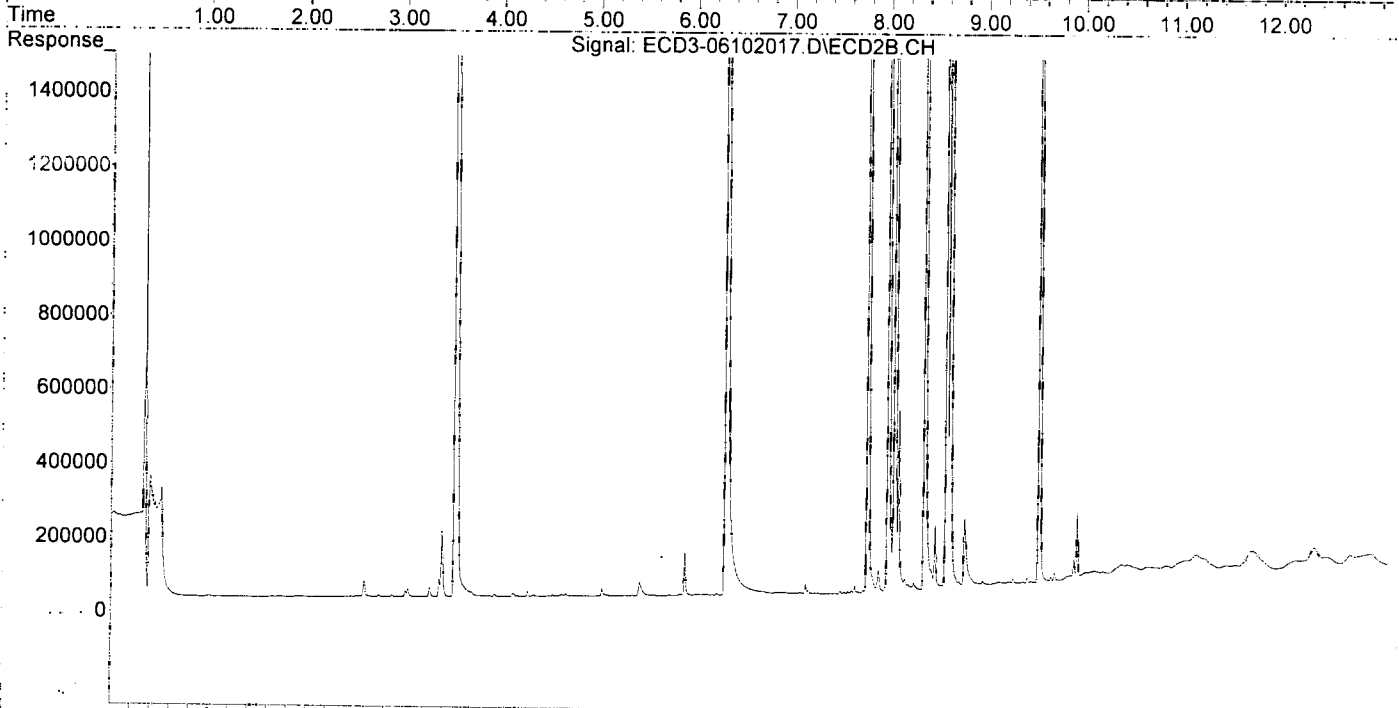
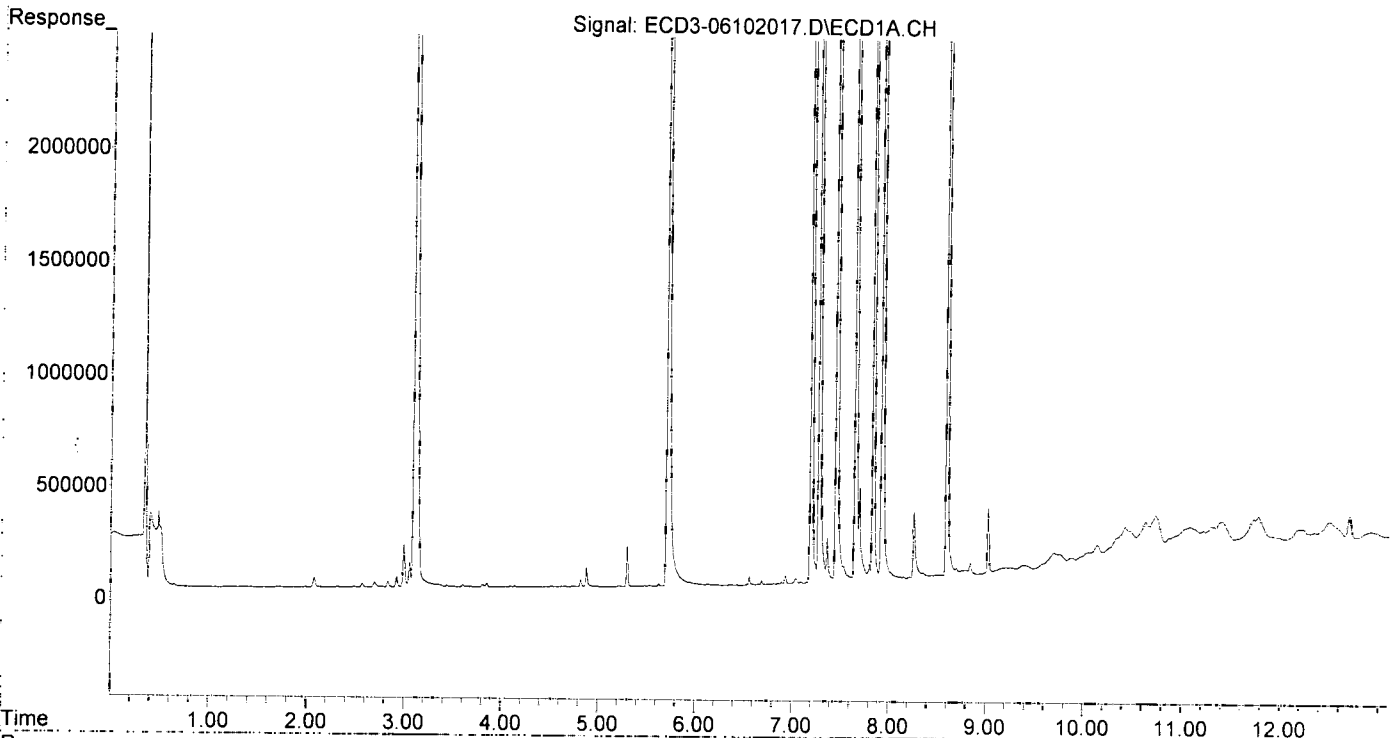
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.300f	5.859	178249	2350	1.192	BelowCal #
22) S DCBP (S)	0.000	10.397	0	19073	N.D.	0.128 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.564	7.150	37930	22867	0.228	0.232
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.279	0.000	9271535	0	57.311	N.D. #
9) trans-Chl...	7.367	7.995	191702	6818916	1.125	63.089 #
10) cis-Chlor...	7.457	8.105	14465491	483033	89.959	4.472 #
11) Endosulfa...	7.533f	8.172	61831	30618	0.412	0.329
12) 4,4'-DDE	7.533	0.000	61831	0	0.379	N.D. #
13) Dieldrin	7.700f	8.370	408721	6271637	2.505	60.292 #
14) Endrin	7.929f	8.594	15778868	5039369	122.249	66.092 #
15) 4,4'-DDD	7.929f	8.630	15778868	10790386	121.707	149.209
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.350	8.974	14913	7961	6984.954	BelowCal #
19) Endosulfa...	0.000	9.162	0	3249	N.D.	0.046 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.842	9.550	44433	6665943	0.322	82.966 #
23) Hexachlor...	3.103	3.522	15136527	12152470	92.624	93.552
24) Hexachlor...	5.711	6.317	13012809	7772760	89.448	110.184
25) Oxychlorane	7.198	7.785	13117340	9223868	101.370	110.876
26) 2,4'-DDE	7.279	7.995	9271535	6818916	92.670	108.189
27) trans-Non...	7.457	8.062	14465491	10373513	95.007	106.115
28) 2,4'-DDD	7.654	8.370	8581519	6271637	93.754	115.936
29) 2,4'-DDT	7.837	8.594	7169925	5039369	92.945	111.139
30) cis-Nonac...	7.929	8.630	15778868	10790386	90.417	102.392
31) Mirex	8.597	9.550	9873428	6665943	100.427	105.649
32) Chlordane...	7.367	7.995	191702	6818916	10.668	543.500 #
33) Chlordane...	7.457	8.105	14465491	483033	652.968	45.095 #
34) Chlordane...	0.000	8.786	0	175695	N.D.	57.862 #
35) Chlordane...	0.000	3.933	0	6475	N.D.	NoCal
36) Toxaphene...	7.457	8.370f	14465491	6271637	19540.731	6691.373 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.262f	8.786	290232	175695	105.340	50.890 #
40) Toxaphene...	0.000	8.974	0	7961	N.D.	0.695 #
41) Toxaphene...	8.597	0.000	9873428	0	3556.704	N.D. #
42) Toxaphene...	0.000	3.933	0	6475	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 16:51
Operator : MJB
Sample : 0F10057-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:33 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualeCD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 17:08
 Operator : MJB
 Sample : 0F10057-CCB2
 Misc : A20F087
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:38 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

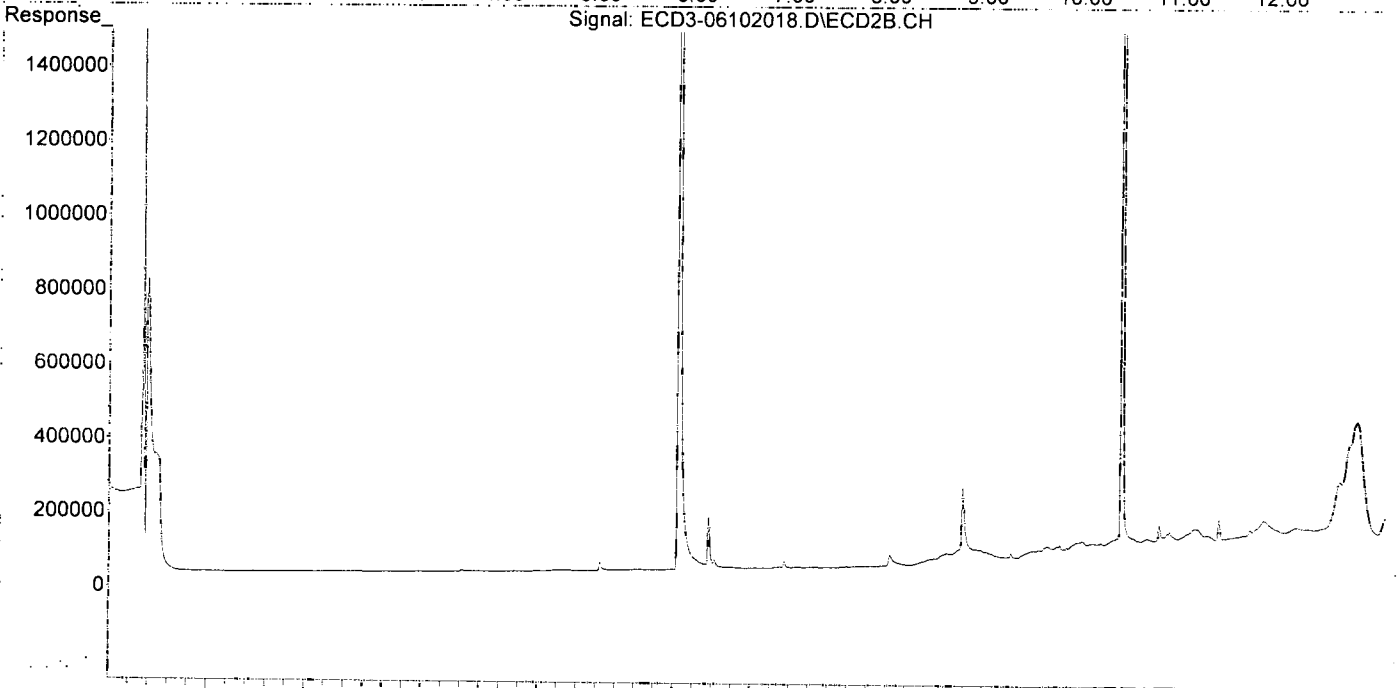
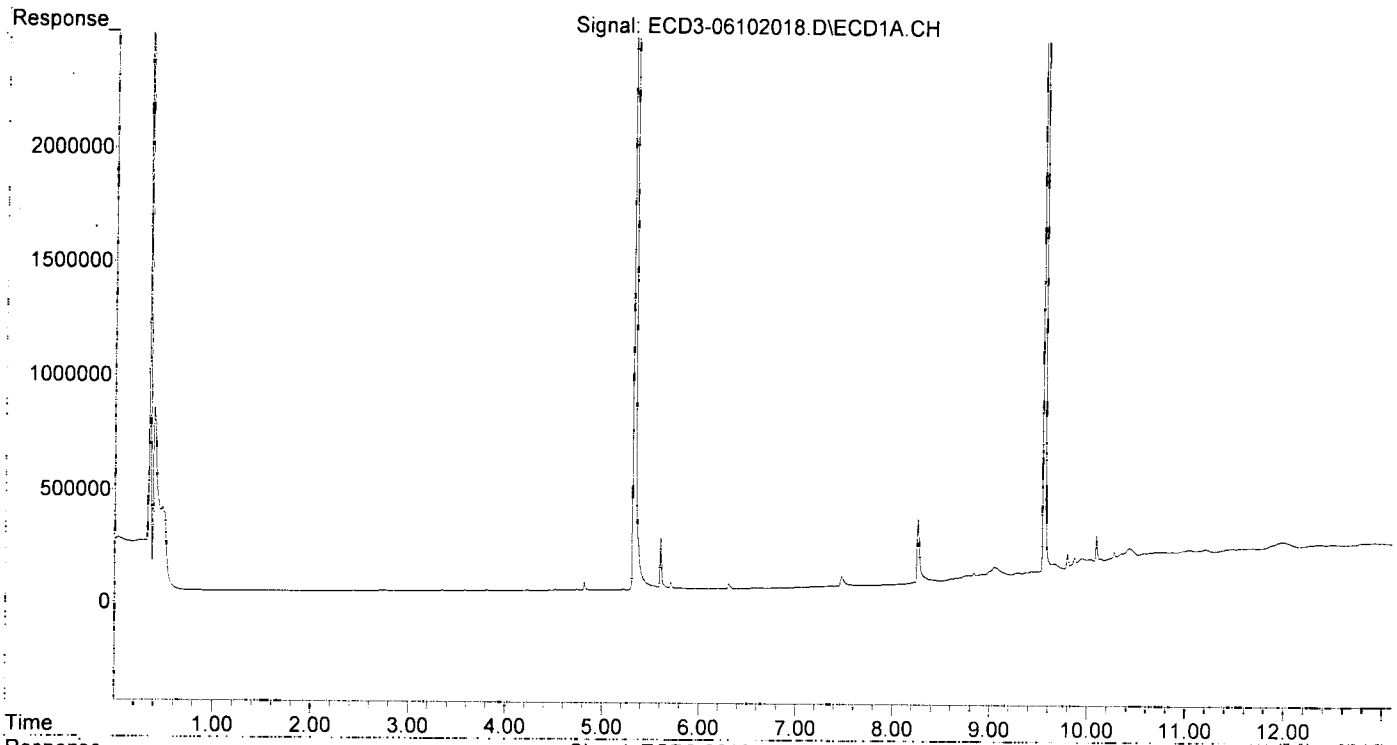
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.328	5.848	13849588	8297693	92.639	115.089
22) S DCBP (S)	9.556	10.413	11018802	6920472	98.700	103.890
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.569	0.000	2879	0	0.017	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	7.477	0.000	42206	0	BelowCal	N.D.
11) Endosulfa...	7.579	0.000	1491	0	0.010	N.D. #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4;4'-DDD	0.000	8.628	0	5592	N.D.	0.077 #
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	8.116f	0.000	568	0	BelowCal	N.D.
18) Endrin Al...	8.351	8.967	10399	5713	6984.999	BelowCal #
19) Endosulfa...	8.657	0.000	6283	0	0.050	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.837	9.567	20794	13460	0.151	0.168
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.712	0.000	24413	0	0.168	N.D. #
25) Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	7.477f	8.039f	42206	28568	BelowCal	6236.476
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	8.628f	0	5592	N.D.	0.123 #
30) cis-Nonac...	0.000	8.628	0	5592	N.D.	7106.719 #
31) Mirex	0.000	9.567	0	13460	N.D.	4424.924 #
32) Chlordane...	0.000	8.039f	0	28568	N.D.	2.277 #
33) Chlordane...	7.477	0.000	42206	0	1.905	N.D. #
34) Chlordane...	0.000	8.787	0	175750	N.D.	57.880 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.477f	0.000	42206	0	57.015	N.D. #
37) Toxaphene...	0.000	8.665f	0	1593	N.D.	1.399 #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.261f	8.787	279053	175750	100.805	50.914 #
40) Toxaphene...	0.000	8.967	0	5713	N.D.	BelowCal
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 17:08
Operator : MJB
Sample : 0F10057-CCB2
Misc : A20F087
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:38 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 17:26
 Operator : MJB
 Sample : A0E0668-01RE1(5)
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 18:52:50 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

R04
MFB 6/14/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.326	5.846	605621	486482	4.051	7.683
22) S DCBP (S)	9.554	10.410	602123	497674	5.220	7.239
Target Compounds						
2) a-BHC	5.864	0.000	13380	0	0.063	N.D. #
3) g-BHC	0.000	6.779	0	4707	N.D.	0.042 #
4) b-BHC	6.217	6.859	5348	13208	0.068	0.293 #
5) Heptachlor	6.571	7.127f	22158	7294	0.133	0.074 #
6) d-BHC	6.363	7.088	16713	10099	0.100	0.116 #
7) Aldrin	6.781f	7.422	17637	4108	0.096	0.034 #
8) Heptachlo...	7.265	7.878f	24902	5481	0.154	0.052 #
9) trans-Chl...	7.343f	8.008	31676	63359	0.186	0.586 #
10) cis-Chlor...	7.450	8.102	76800	23034	0.166	0.213 #
11) Endosulfa...	7.558	8.129f	9915	28101	0.066	0.302 #
12) 4,4'-DDE	7.527	8.212	15057	12606	0.092m	0.135 #
13) Dieldrin	7.738	8.351	8988	44273	0.055	0.426 #
14) Endrin	7.912	8.586	92157	9504	0.714	0.125 #
15) 4,4'-DDD	7.950	8.631	48074	59657	0.371	0.825 #
16) Endosulfa...	8.057	8.726	26873	43811	0.210	0.551 #
17) 4,4'-DDT	8.147	8.869	80515	64733	0.820	1.197 #
18) Endrin Al...	8.330	8.986	46301	57190	0.249	0.686 #
19) Endosulfa...	8.651	9.176	1120010	241885	8.923	3.447 #
20) Methoxychlor	8.490	9.364	11896	237270	0.226	9.924 #
21) Endrin Ke...	8.827	9.562	209777	110441	1.520	1.375 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.715	6.313	6812	5229	0.047	BelowCal #
25) Oxychlordane	7.178	7.777	40243	150710	0.130	1.584 #
26) 2,4'-DDE	7.280	8.008	24325	63359	0.070	0.753 #
27) trans-Non...	7.450	8.070	76800	26786	0.043	6236.494 #
28) 2,4'-DDD	7.657	8.351	84855	44273	0.927	0.665 #
29) 2,4'-DDT	7.821	8.586	140815	9504	1.825	0.210 #
30) cis-Nonac...	7.912	8.631	92157	59657	0.528	0.377 #
31) Mirex	8.617f	9.562	12450	110441	20727.508	1.433 #
32) Chlordane...	7.343f	8.008	31676	63359	1.763	5.050 #
33) Chlordane...	7.476	8.129	28158	28101	1.271	2.624 #
34) Chlordane...	8.029	8.773	37857	295001	7.539	97.153 #
35) Chlordane...	0.000	3.929	0	10513	N.D.	NoCal
36) Toxaphene...	7.450	8.351	76800	44273	103.746	47.236 #
37) Toxaphene...	7.738	8.726f	8988	43811	6.612	38.460 #
38) Toxaphene...	8.057	8.726	26873	43811	9.536	26.124 #
39) Toxaphene...	8.330f	8.773f	46301	295001	5.582	101.642 #
40) Toxaphene...	8.524	8.986	393257	57190	199.343	34.384 #
41) Toxaphene...	8.617f	9.364	12450	237270	4.485	147.919 #
42) Toxaphene...	0.000	3.929	0	10513	N.D.	NoCal

5-6/23 MFB 6/14/20

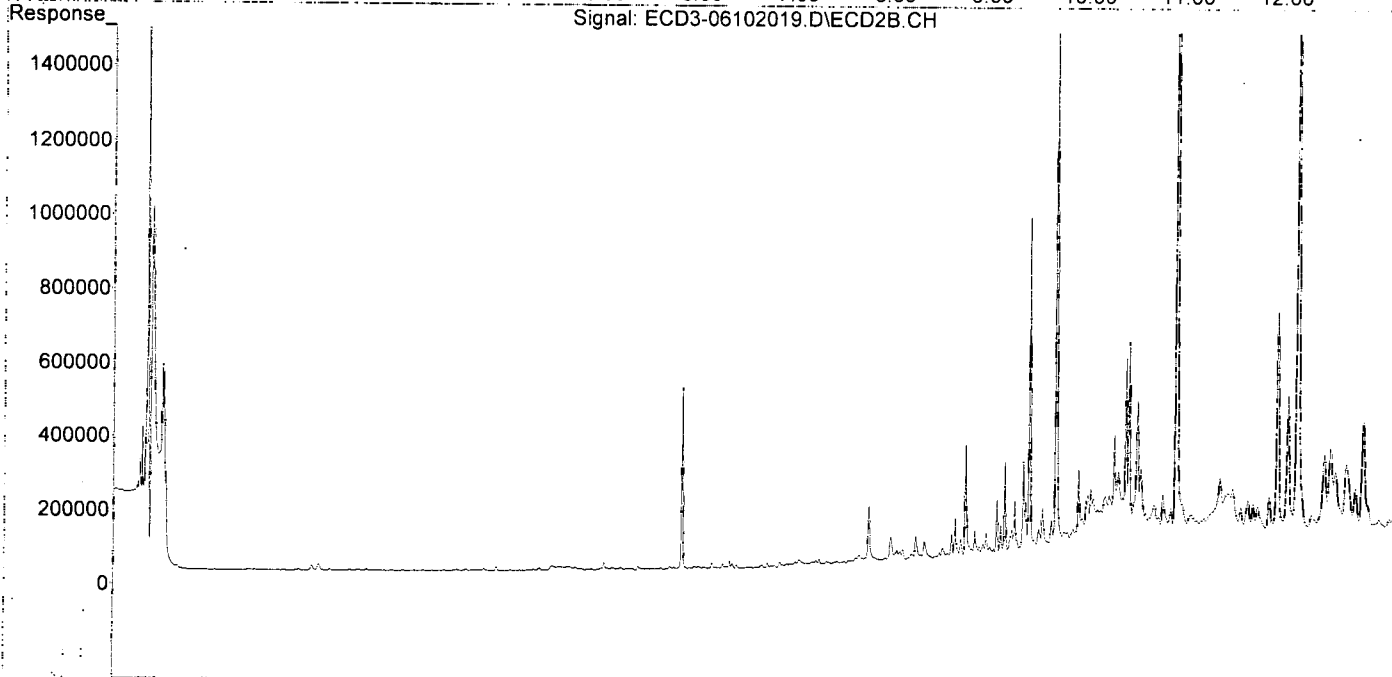
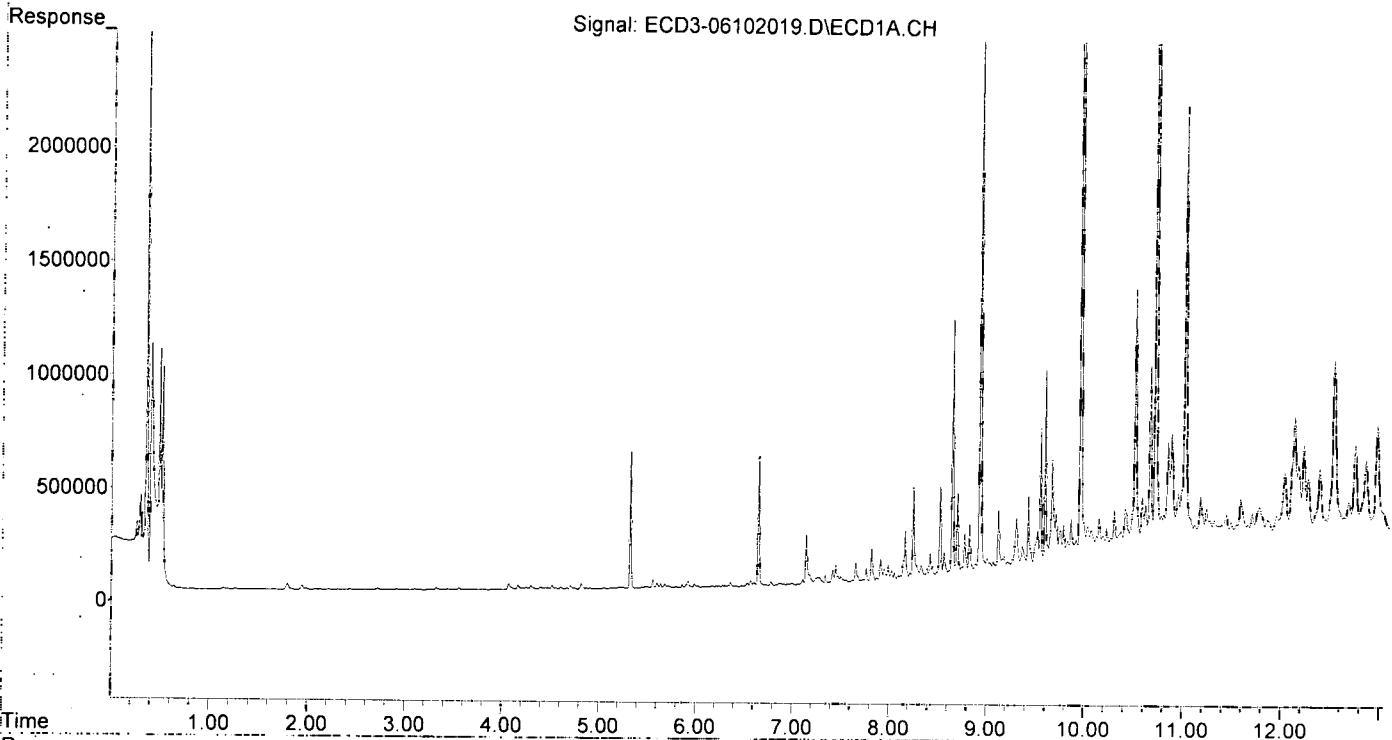
Q-3c MBL-MBL

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 17:26
Operator : MJB
Sample : A0E0668-01RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

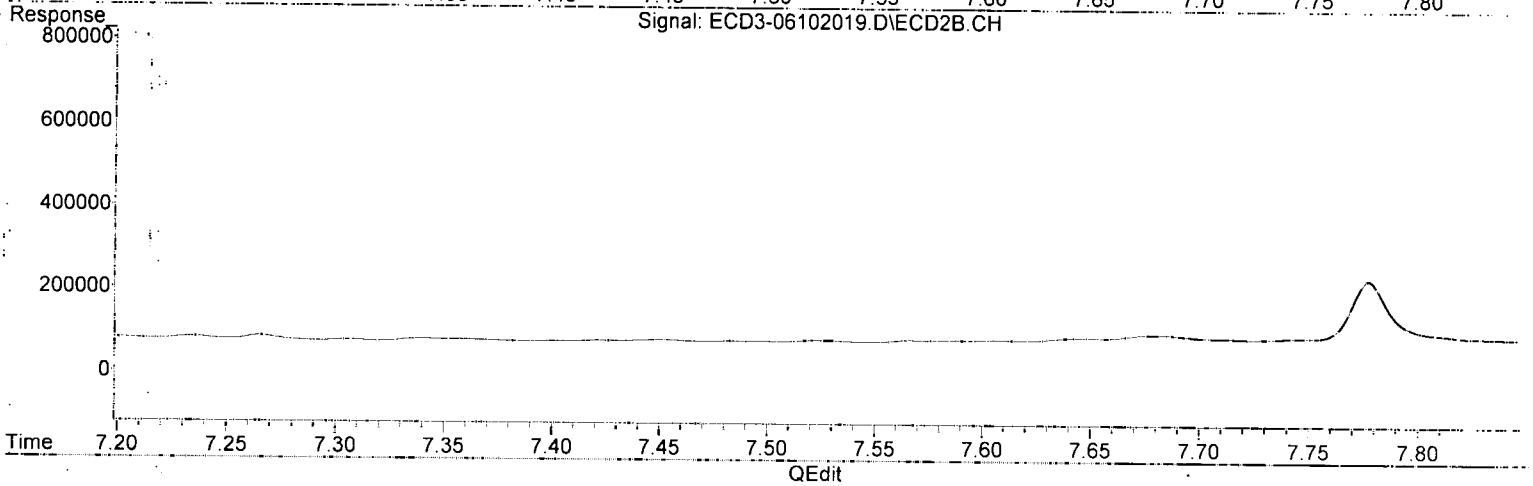
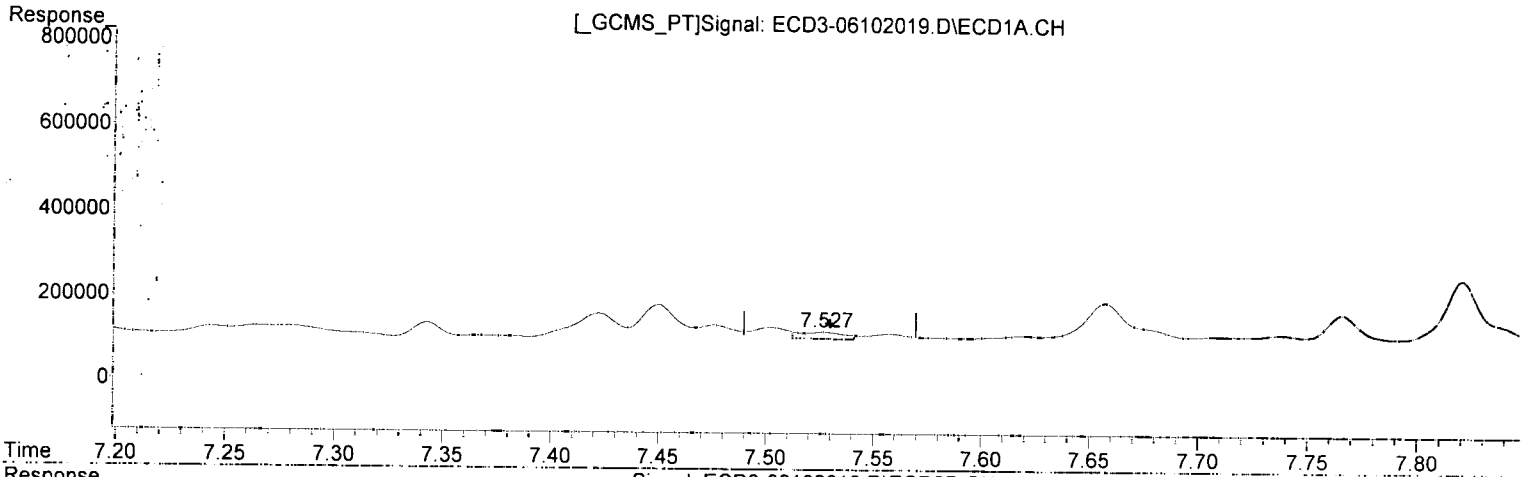
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 18:52:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 17:26
Operator : MJB
Sample : A0E0668-01RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.527min 0.092 ng/mL (m)
response 15057

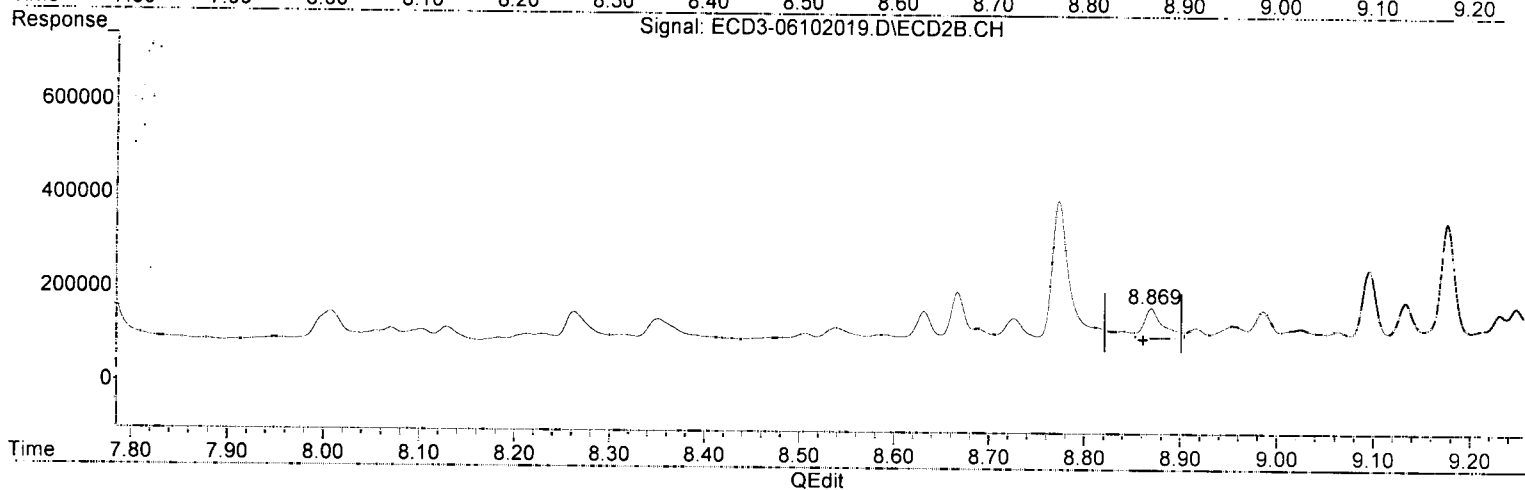
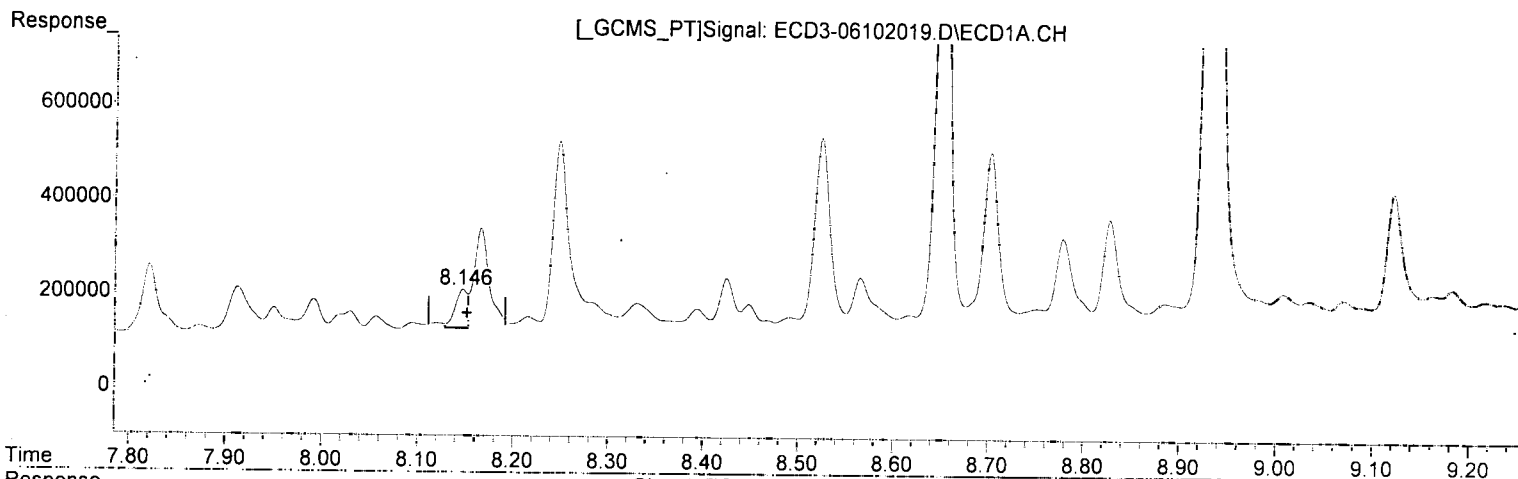
MJB
6/11/20

(12) 4,4'-DDE #2
8.212min 0.135 ng/mL
response 12606

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 17:26
Operator : MJB
Sample : AOE0668-01RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT

8.147min 0.820 ng/mL Q-51

response 80515

WJF 6/11/20

(17) 4,4'-DDT #2

8.869min 1.197 ng/mL

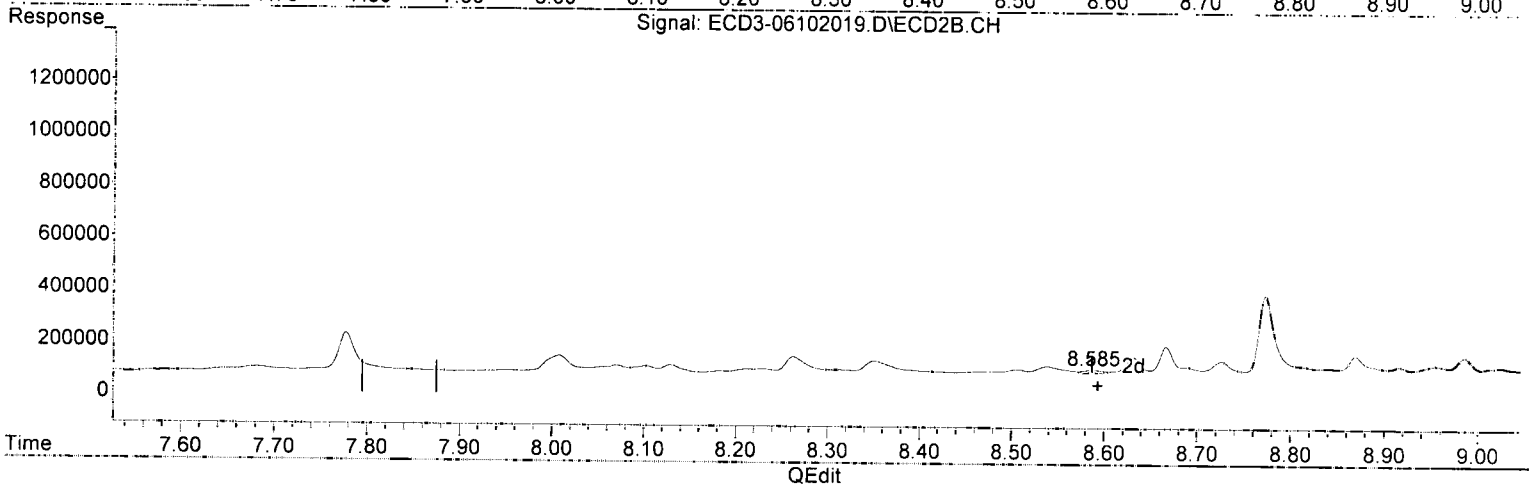
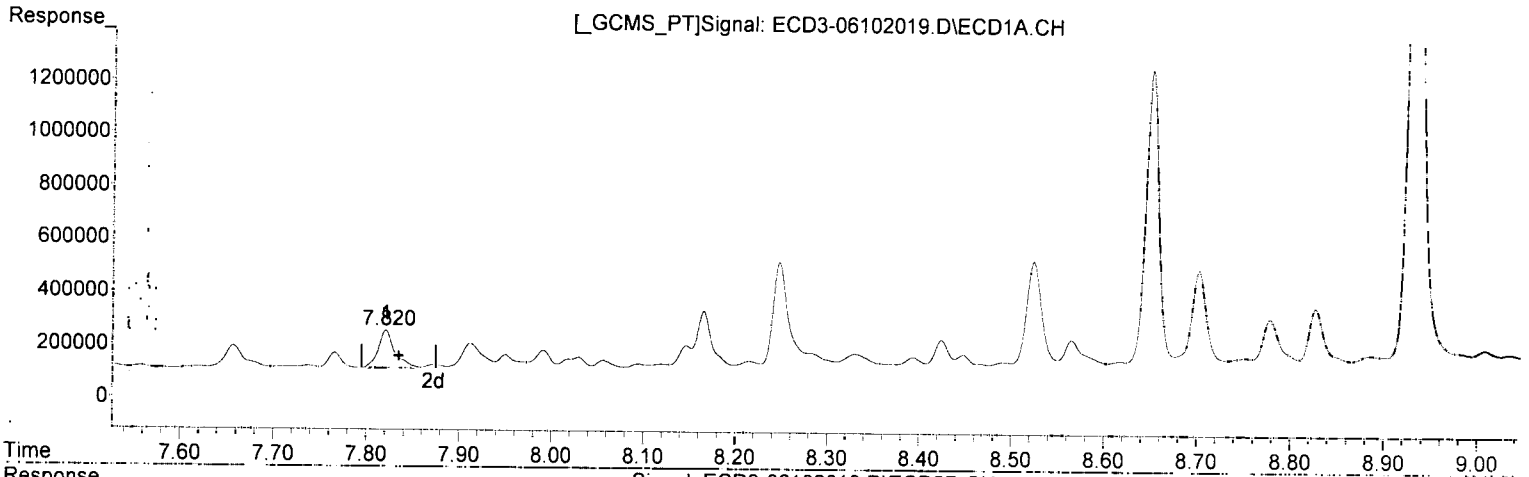
response 64733

ADL 6/11/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 17:26
Operator : MJB
Sample : AOE0668-01RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.821min 1.825 ng/mL *P-01*
response 140815

MJB
6/11/20

(29) 2,4'-DDT #2
8.586min 0.210 ng/mL
response 9504

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On. : 10 Jun 2020 17:26
 Operator : MJB
 Sample : AOE0668-01RE105
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:41 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

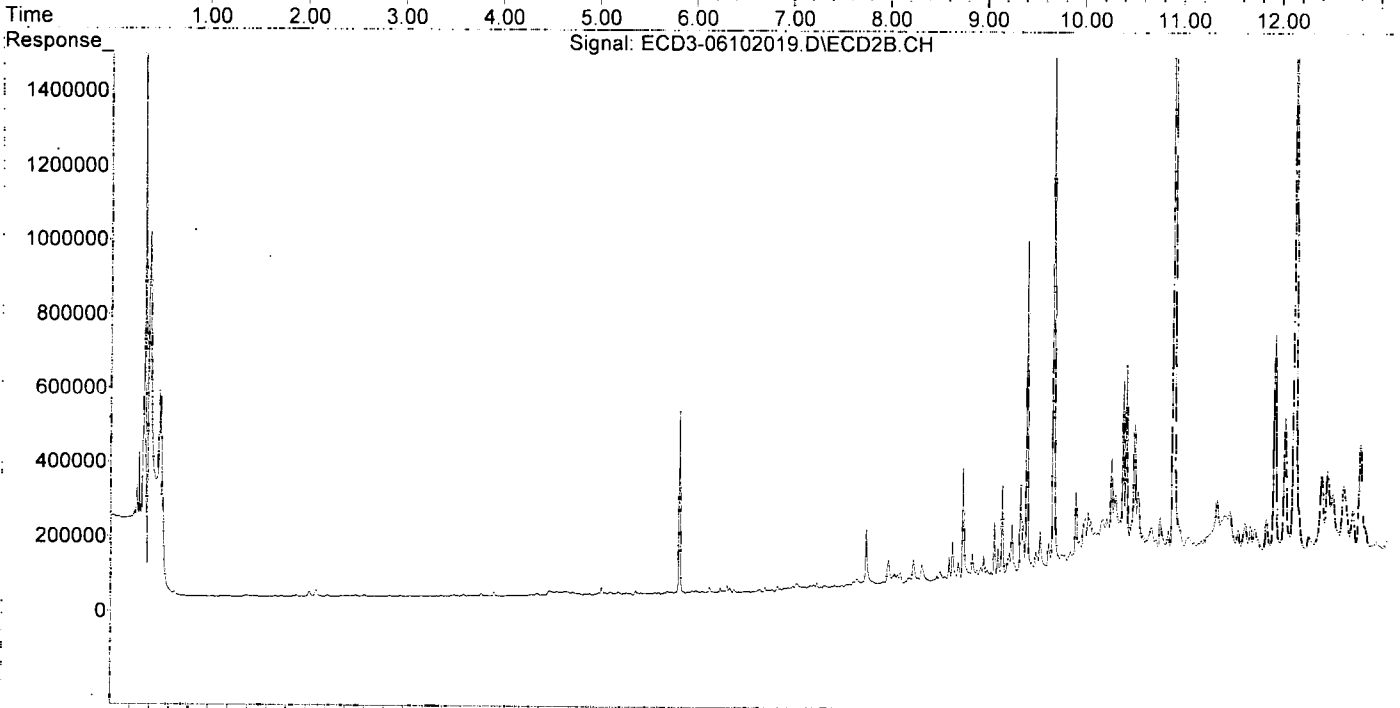
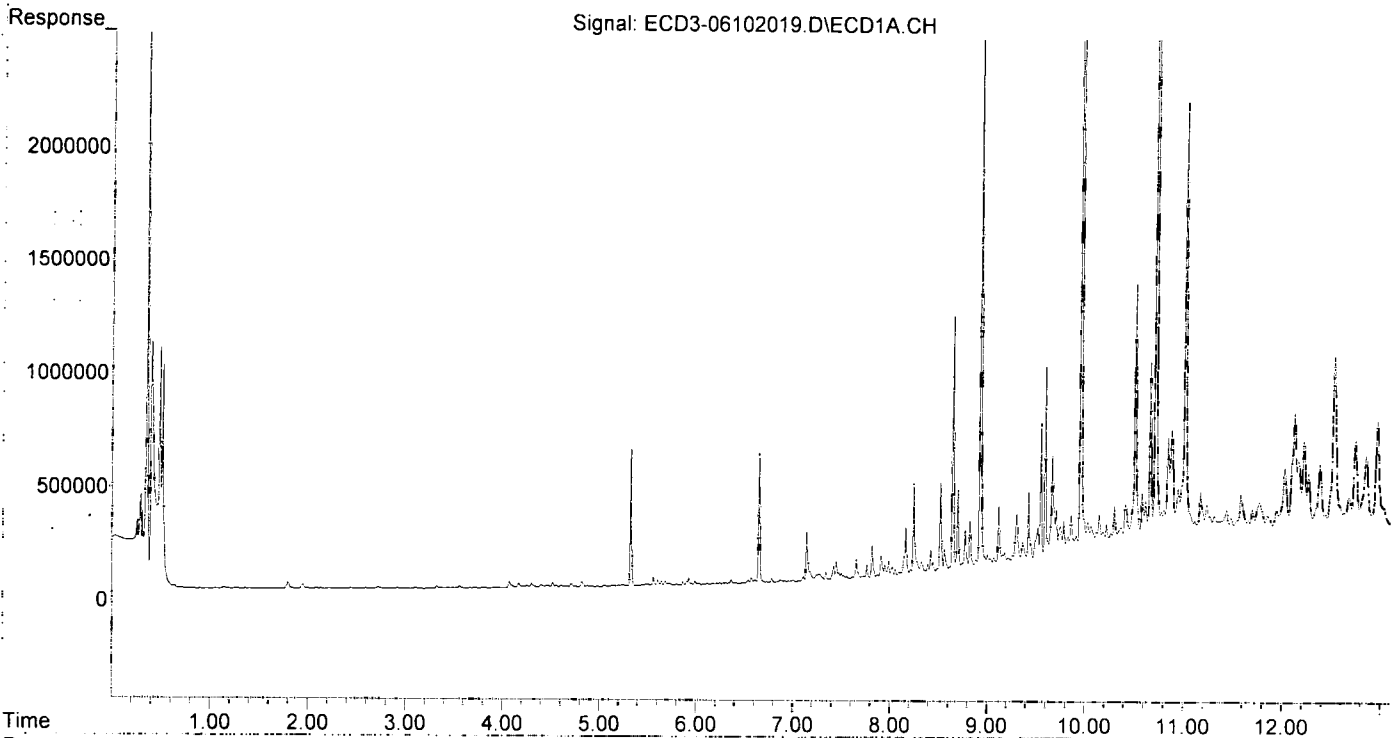
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.326	5.846	605621	486482	4.051	7.683 #
22) S DCBP (S)	9.554	10.410	602123	497674	5.220	7.239 #
Target Compounds						
2) a-BHC	5.864	0.000	13380	0	0.063	N.D. #
3) g-BHC	0.000	6.779	0	4707	N.D.	0.042 #
4) b-BHC	6.217	6.859	5348	13208	0.068	0.293 #
5) Heptachlor	6.571	7.127f	22158	7294	0.133	0.074 #
6) d-BHC	6.363	7.088	16713	10099	0.100	0.116 #
7) Aldrin	6.781f	7.422	17637	4108	0.096	0.034 #
8) Heptachlo...	7.265	7.878f	24902	5481	0.154	0.052 #
9) trans-Chl...	7.343f	8.008	31676	63359	0.186	0.586 #
10) cis-Chlor...	7.450	8.102	76800	23034	0.166	0.213 #
11) Endosulfa...	7.558	8.129f	9915	28101	0.066	0.302 #
12) 4,4'-DDE	7.502f	8.212	23717	12606	0.145	0.135 #
13) Dieldrin	7.738	8.351	8988	44273	0.055	0.426 #
14) Endrin	7.912	8.586	92157	9504	0.714	0.125 #
15) 4,4'-DDD	7.950	8.631	48074	59657	0.371	0.825 #
16) Endosulfa...	8.057	8.726	26873	43811	0.210	0.551 #
17) 4,4'-DDT	8.147	8.869	80515	64733	0.820	1.197 #
18) Endrin Al...	8.330	8.986	46301	57190	0.249	0.686 #
19) Endosulfa...	8.651	9.176	1120010	241885	8.923	3.447 #
20) Methoxychlor	8.490	9.364	11896	237270	0.226	9.924 #
21) Endrin Ke...	8.827	9.562	209777	110441	1.520	1.375 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.715	6.313	6812	5229	0.047	BelowCal #
25) Oxychlorane	7.178	7.777	40243	150710	0.130	1.584 #
26) 2,4'-DDE	7.280	8.008	24325	63359	0.070	0.753 #
27) trans-Non...	7.450	8.070	76800	26786	0.043	6236.494 #
28) 2,4'-DDD	7.657	8.351	84855	44273	0.927	0.665 #
29) 2,4'-DDT	7.821	8.586	140815	9504	1.825 ^{2.01}	0.210 #
30) cis-Nonac...	7.912	8.631	92157	59657	0.528	0.377 #
31) Mirex	8.617f	9.562	12450	110441	20727.508	1.433 #
32) Chlordane...	7.343f	8.008	31676	63359	1.763	5.050 #
33) Chlordane...	7.476	8.129	28158	28101	1.271	2.624 #
34) Chlordane...	8.029	8.773	37857	295001	7.539	97.153 #
35) Chlordane...	0.000	3.929	0	10513	N.D.	NoCal #
36) Toxaphene...	7.450	8.351	76800	44273	103.746	47.236 #
37) Toxaphene...	7.738	8.726f	8988	43811	6.612	38.460 #
38) Toxaphene...	8.057	8.726	26873	43811	9.536	26.124 #
39) Toxaphene...	8.330f	8.773f	46301	295001	5.582	101.642 #
40) Toxaphene...	8.524	8.986	393257	57190	199.343	34.384 #
41) Toxaphene...	8.617f	9.364	12450	237270	4.485	147.919 #
42) Toxaphene...	0.000	3.929	0	10513	N.D.	NoCal #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 17:26
Operator : MJB
Sample : A0E0668-01RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 18:03
 Operator : MJB
 Sample : 0060273-DUP1(35)
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 18:58:24 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

P-04

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.325	5.845	625316	482288	4.183	7.616 #
22) S DCBP (S)	9.551	10.409	633318	461843	5.499	6.706 #
Target Compounds						
2) a-BHC	5.863	0.000	15440	0	0.072	N.D. #
3) g-BHC	6.171f	6.780	4713	4852	0.025	0.044 #
4) b-BHC	6.215	6.857	6253	12115	0.079	0.269 #
5) Heptachlor	6.568	0.000	22143	0	0.133	N.D. #
6) d-BHC	6.361	7.068f	17057	14264	0.102	0.164 #
7) Aldrin	6.780f	7.422	19648	4159	0.107	0.035 #
8) Heptachlo...	7.279	7.847	24079	24298	0.149	0.230 #
9) trans-Chl...	7.365	8.006	4491	79568	0.026	0.736 #
10) cis-Chlor...	7.474	8.102	27362	34783	BelowCal	0.322
11) Endosulfa...	7.557	8.181f	10980	9598	0.073	0.103 #
12) 4,4'-DDE	7.524	8.209	11856	10026	0.073m	0.108 #
13) Dieldrin	7.736	8.351	9152	40215	0.056	0.387 #
14) Endrin	7.911	8.592	83544	54678	0.647	0.717
15) 4,4'-DDD	7.948	8.630	44156	100414	0.341	1.389 #
16) Endosulfa...	8.055	8.725	26605	163746	0.208	2.059 #
17) 4,4'-DDT	8.156	8.868	116645	106010	1.208m	2.063 #
18) Endrin Al...	8.362	8.984	11330	62170	6984.990	0.761 #
19) Endosulfa...	8.649	9.175	1081775	219703	8.618	3.131 #
20) Methoxychlor	8.488	9.362	10552	245177	0.200	10.249 #
21) Endrin Ke...	8.825	9.560	220832	197966	1.600	2.464 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.713	6.313	9083	5320	0.062	BelowCal #
25) Oxychlordane	7.176f	7.776	39000	160678	0.120	1.703 #
26) 2,4'-DDE	7.279	8.006	24079	79568	0.067	1.027 #
27) trans-Non...	7.448	8.070	82969	34833	0.085	0.015 #
28) 2,4'-DDD	7.655	8.351	82660	40215	0.903	0.587
29) 2,4'-DDT	7.818	8.592	132397	54678	1.716	1.206 #
30) cis-Nonac...	7.911	8.630	83544	100414	0.479	0.759 #
31) Mirex	8.614	9.560	7471	197966	20727.559	2.792 #
32) Chlordane...	7.365	8.006	4491	79568	0.250	6.342 #
33) Chlordane...	7.474	8.127	27362	41938	1.235	3.915 #
34) Chlordane...	8.026	8.772	38308	412145	7.629	135.733 #
35) Chlordane...	0.000	3.928f	0	10285	N.D.	NoCal
36) Toxaphene...	7.448	8.351	82969	40215	112.079	42.907 #
37) Toxaphene...	7.736	8.725f	9152	163746	6.732	143.746 #
38) Toxaphene...	8.055	8.725	26605	163746	9.441	97.640 #
39) Toxaphene...	8.328f	8.772f	46223	412145	5.550	150.584 #
40) Toxaphene...	8.522	8.984	368999	62170	187.047	37.779 #
41) Toxaphene...	8.614f	9.362	7471	245177	2.691	152.848 #
42) Toxaphene...	0.000	3.928f	0	10285	N.D.	NoCal

MJB 6/11/20

*5-03
5-04*

Q-21

MJB 6/11/20

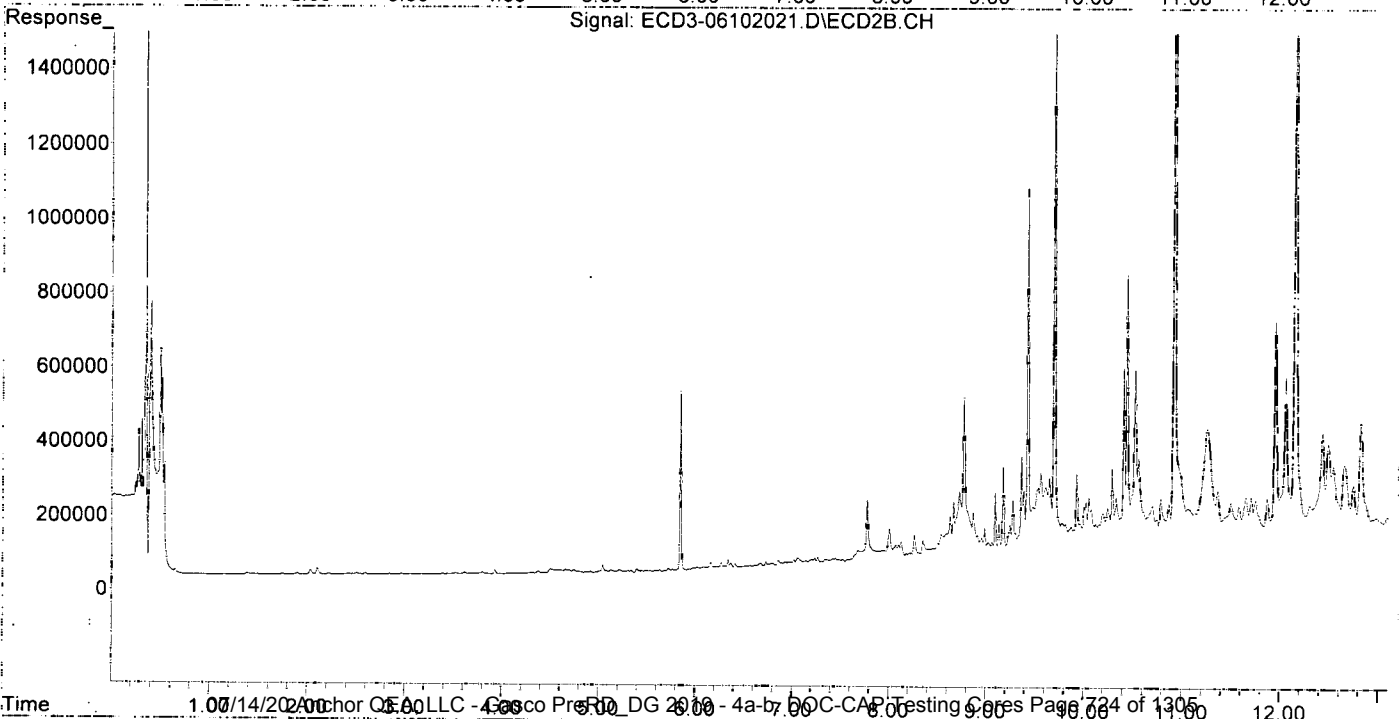
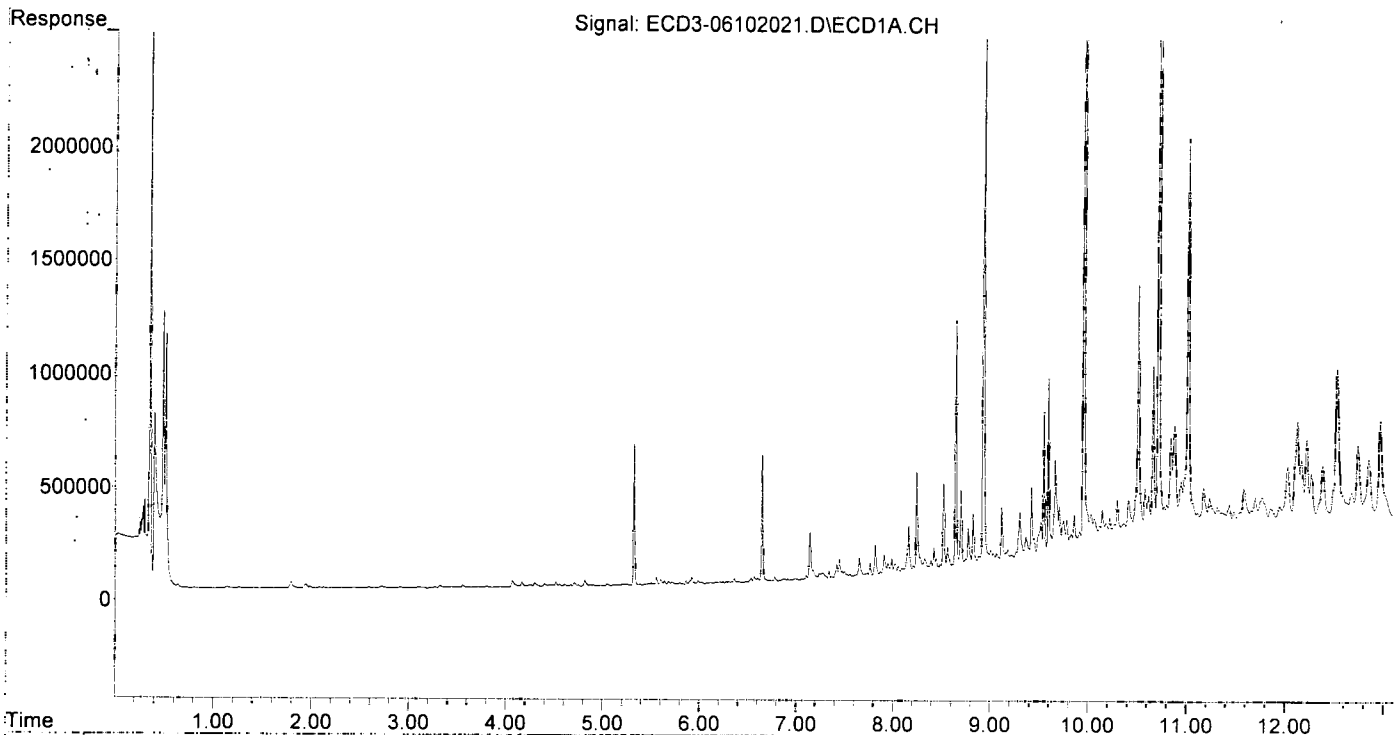
MPL-MPL

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

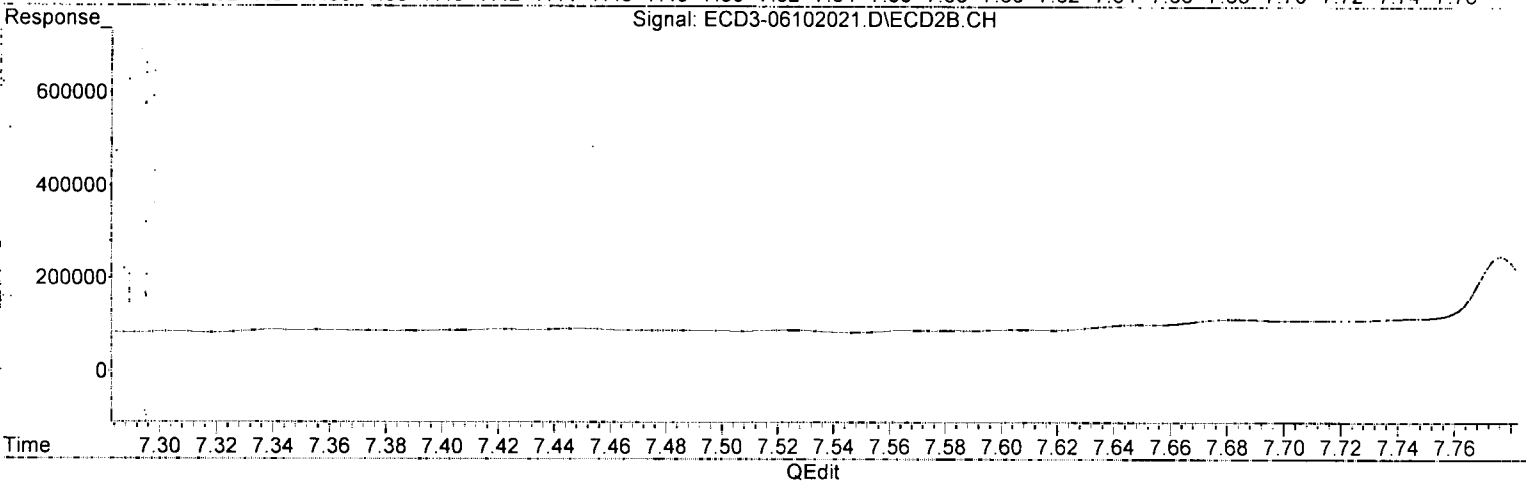
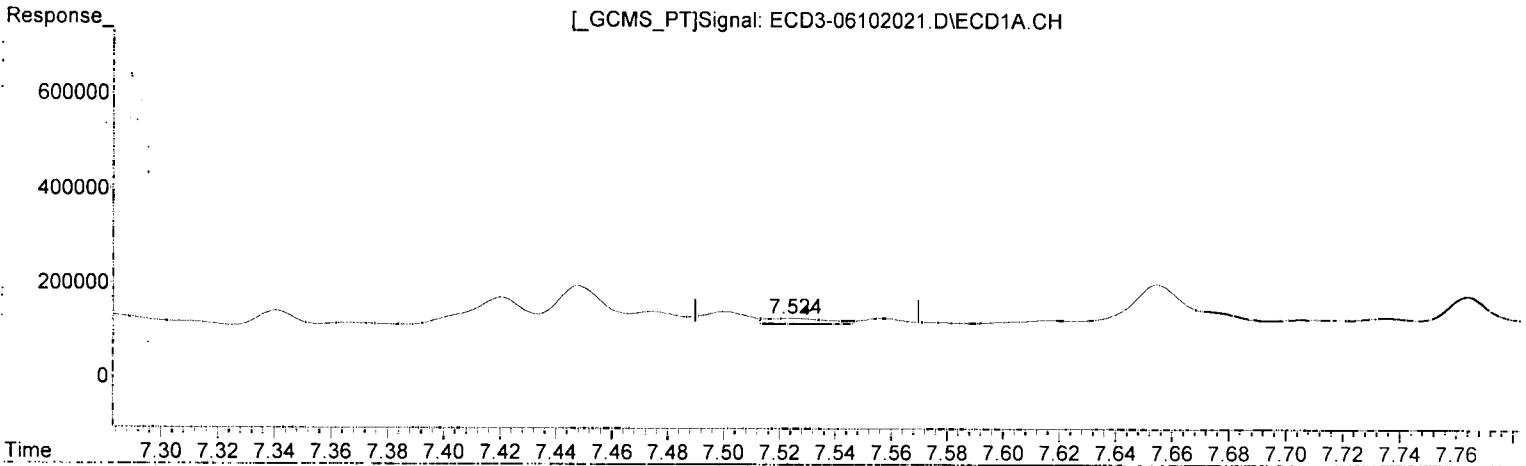
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 18:58:24 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.524min 0.073 ng/mL (m)
response 11856

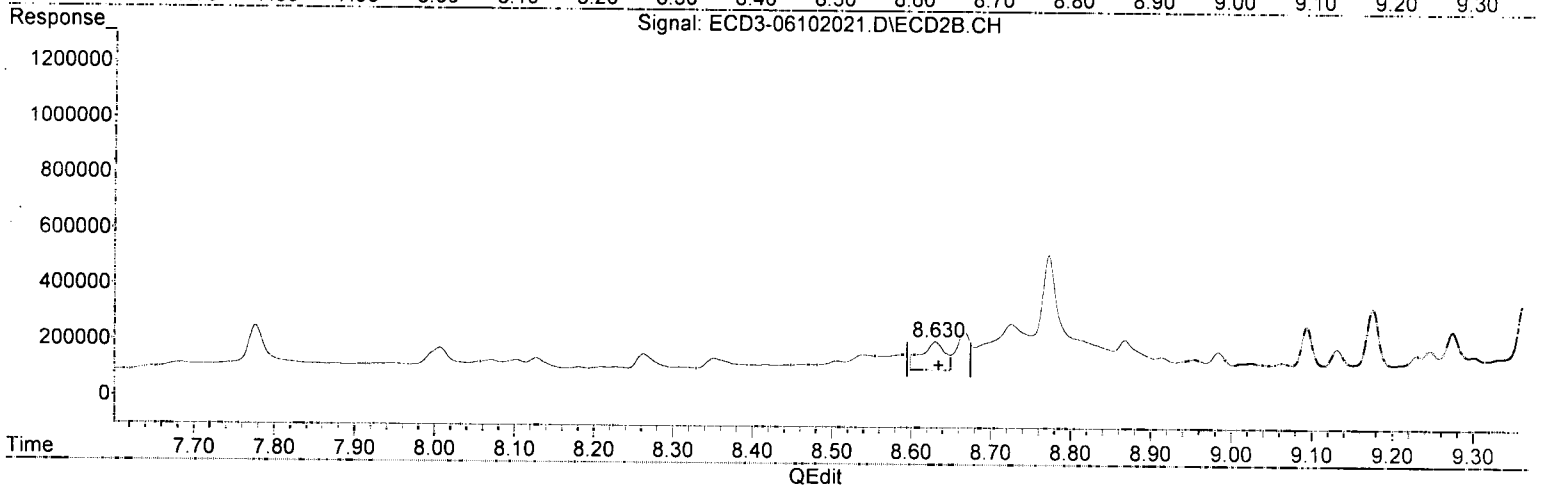
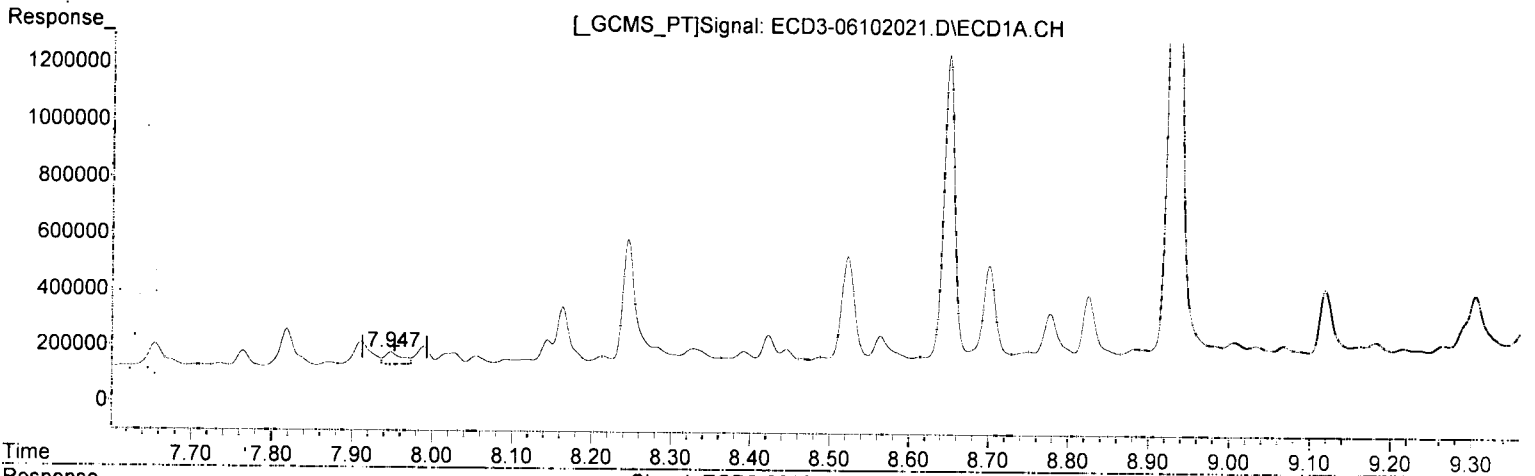
*MJB
6/11/20*

(12) 4,4'-DDE #2
8.209min 0.108 ng/mL
response 10026

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.948min 0.341 ng/mL
response 44156

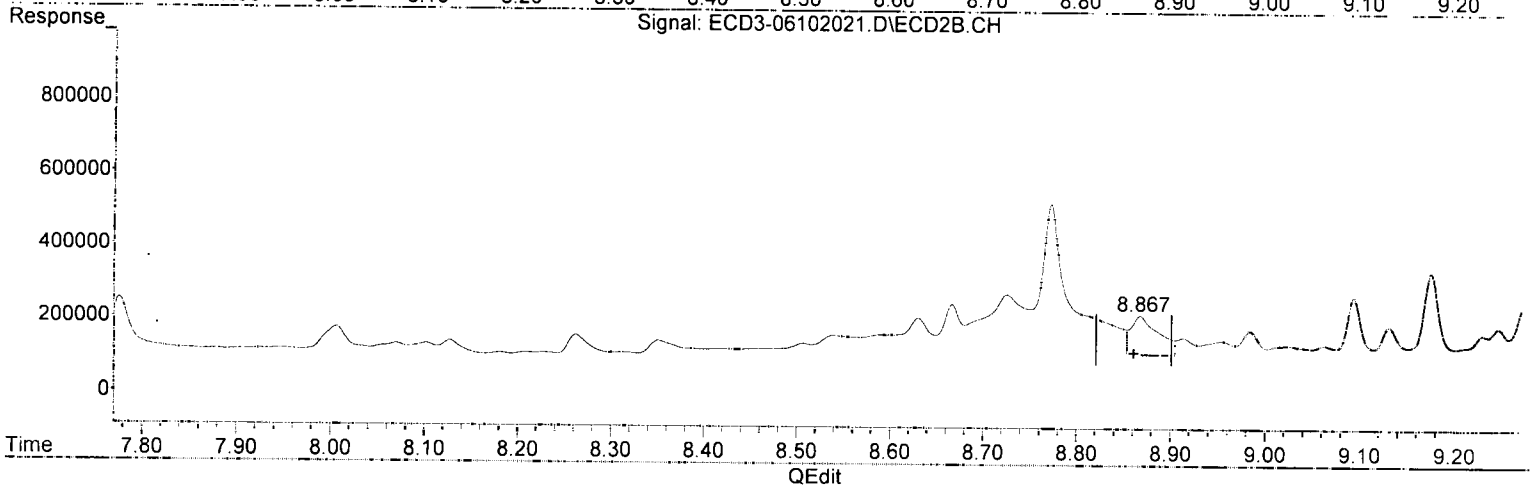
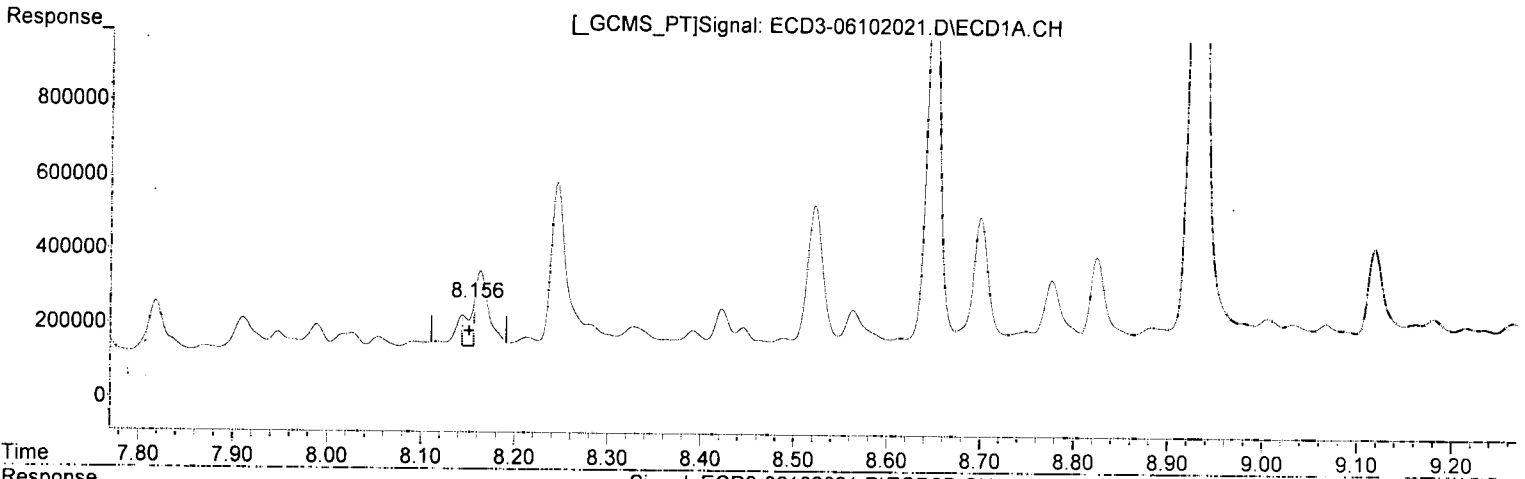
MJB
6/11/20

(15) 4,4'-DDD #2
8.630min 1.389 ng/mL
response 100414

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT

8.156min 1.208 ng/mL

response 116645

Q-51
1.208

MJB
6/11/20

(17) 4,4'-DDT #2

8.868min 2.063 ng/mL

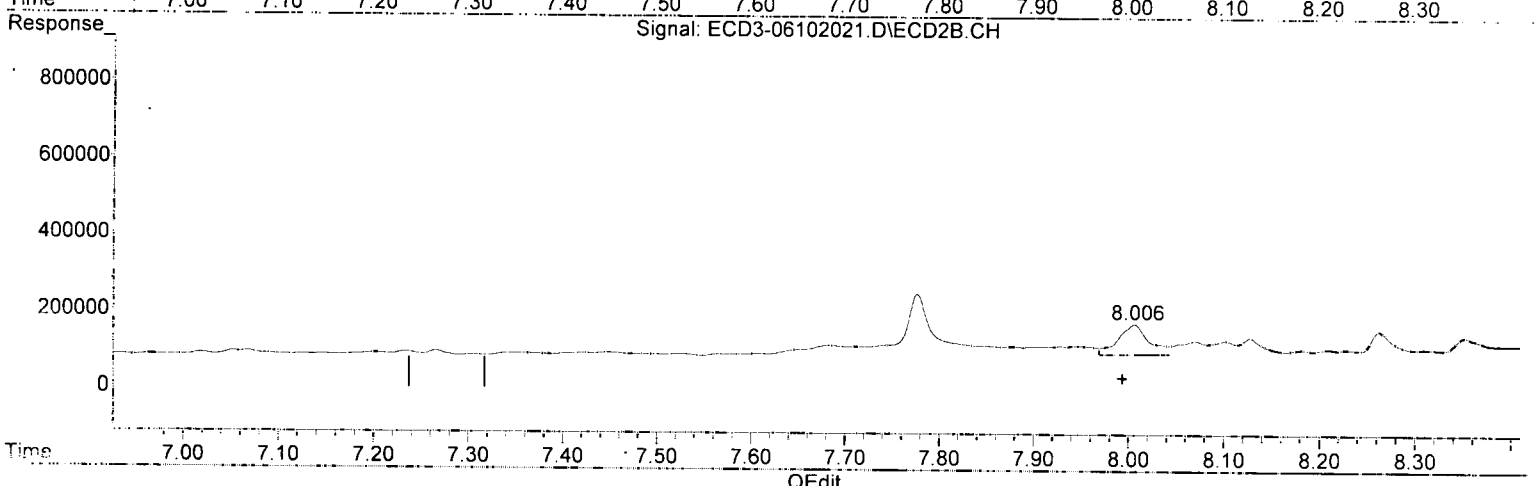
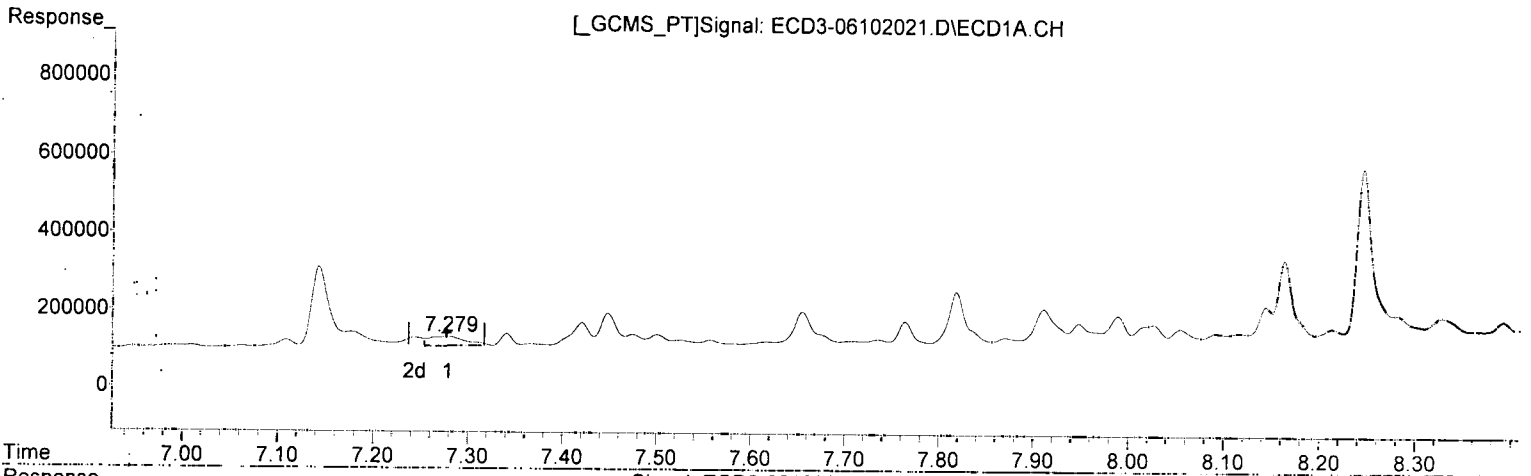
response 106010

2.02

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.279min 0.067 ng/mL
response 24079

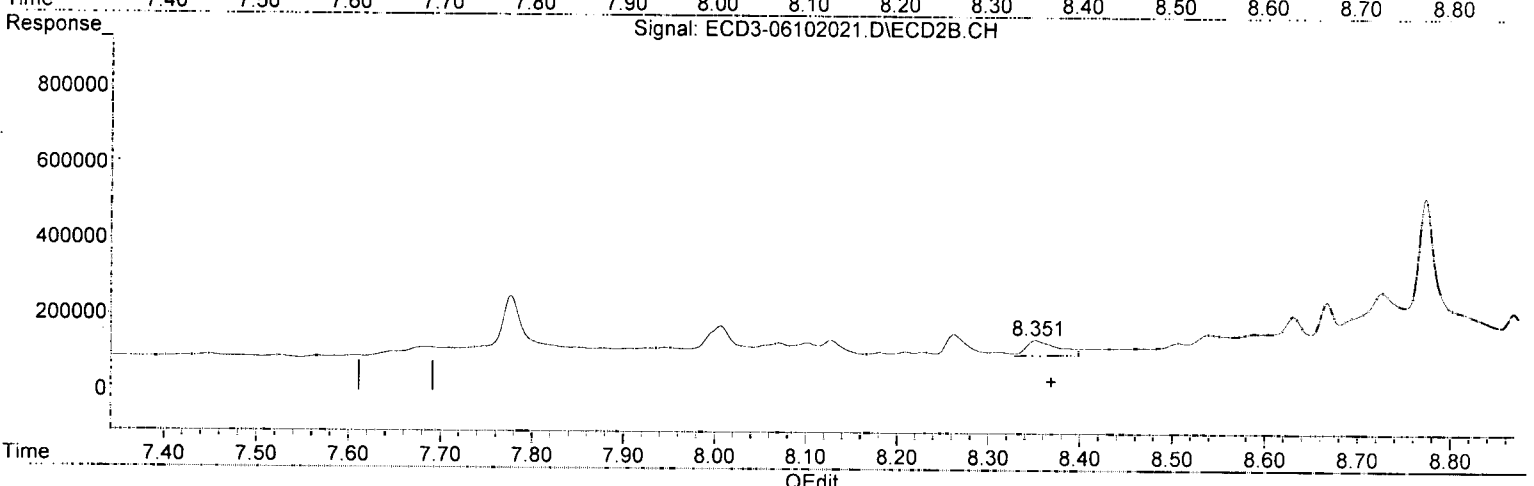
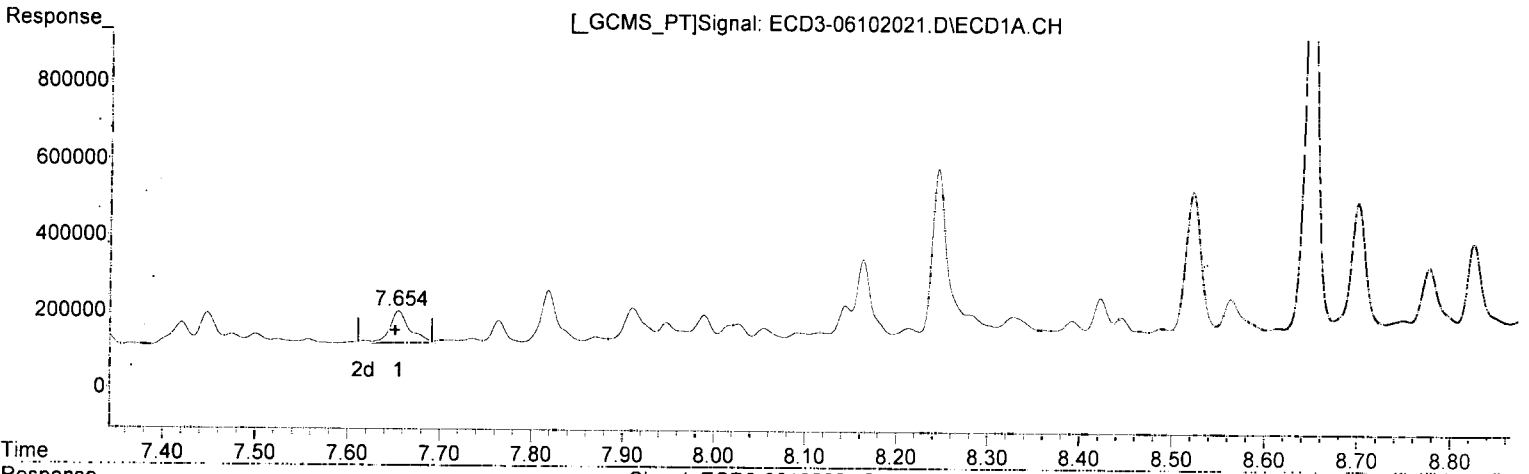
MJB 6/11/20

(26) 2,4'-DDE #2
8.006min 1.027 ng/mL
response 79568

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.655min 0.903 ng/mL
response 82660

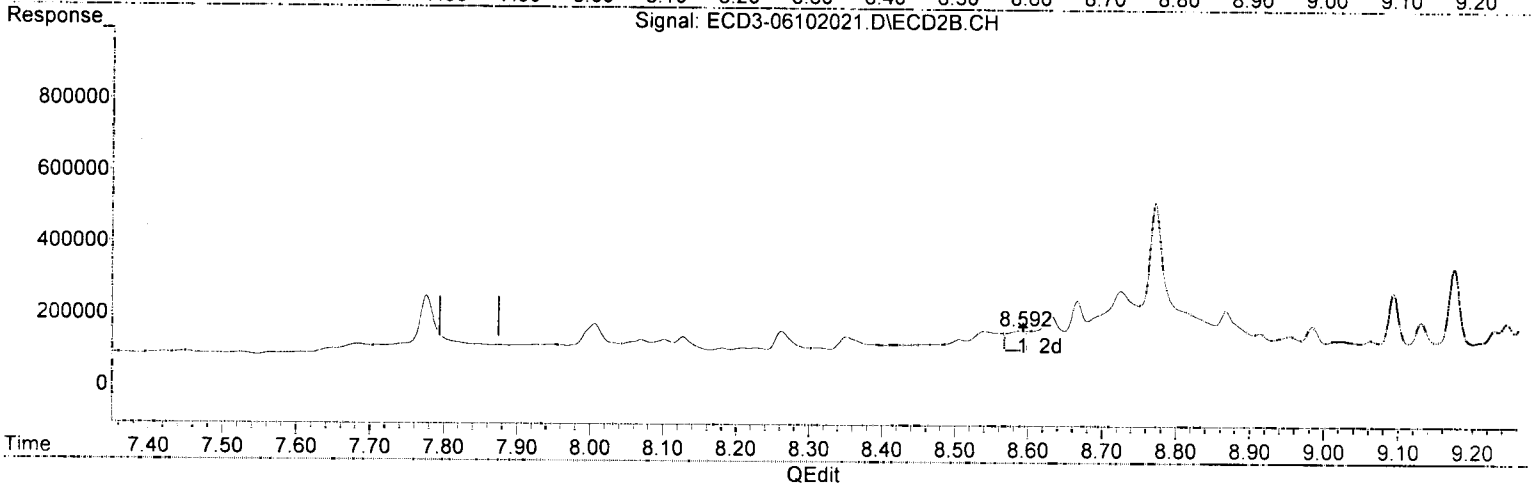
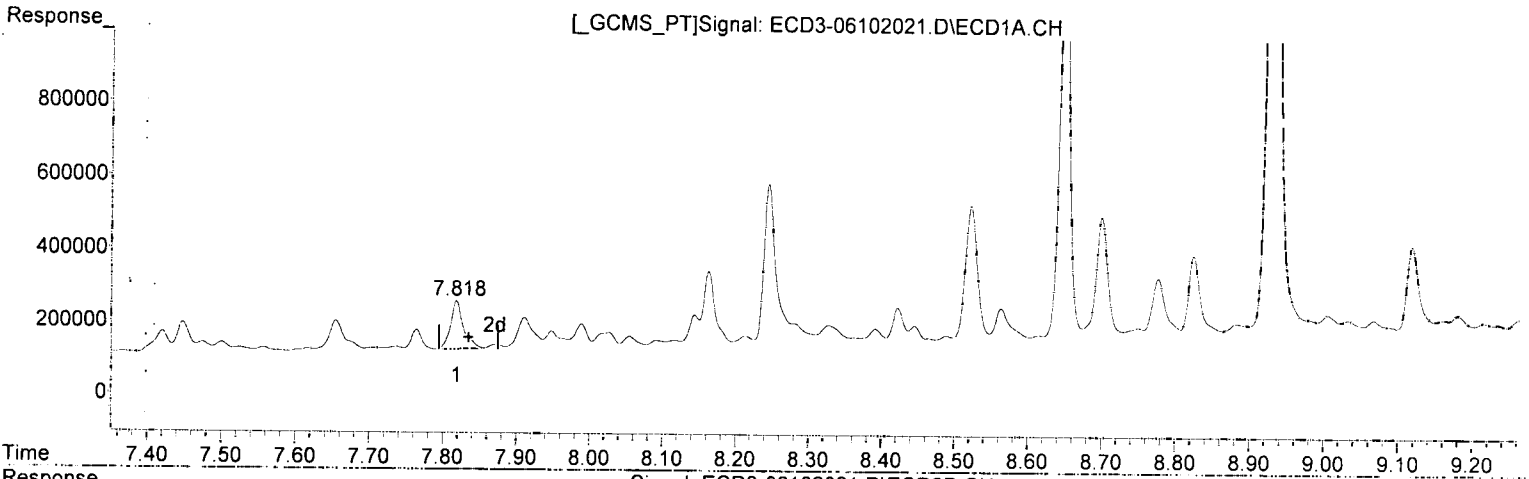
MJB
6/11/20

(28) 2,4'-DDD #2
8.351min 0.587 ng/mL
response 40215

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.818min 1.716 ng/mL
response 132397

(29) 2,4'-DDT #2
8.592min 1.206 ng/mL
response 54678

MJB

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On... : 10 Jun 2020 18:03
 Operator : MJB
 Sample : 0060273-DUP1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:46 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJ
MJB
6/11/20

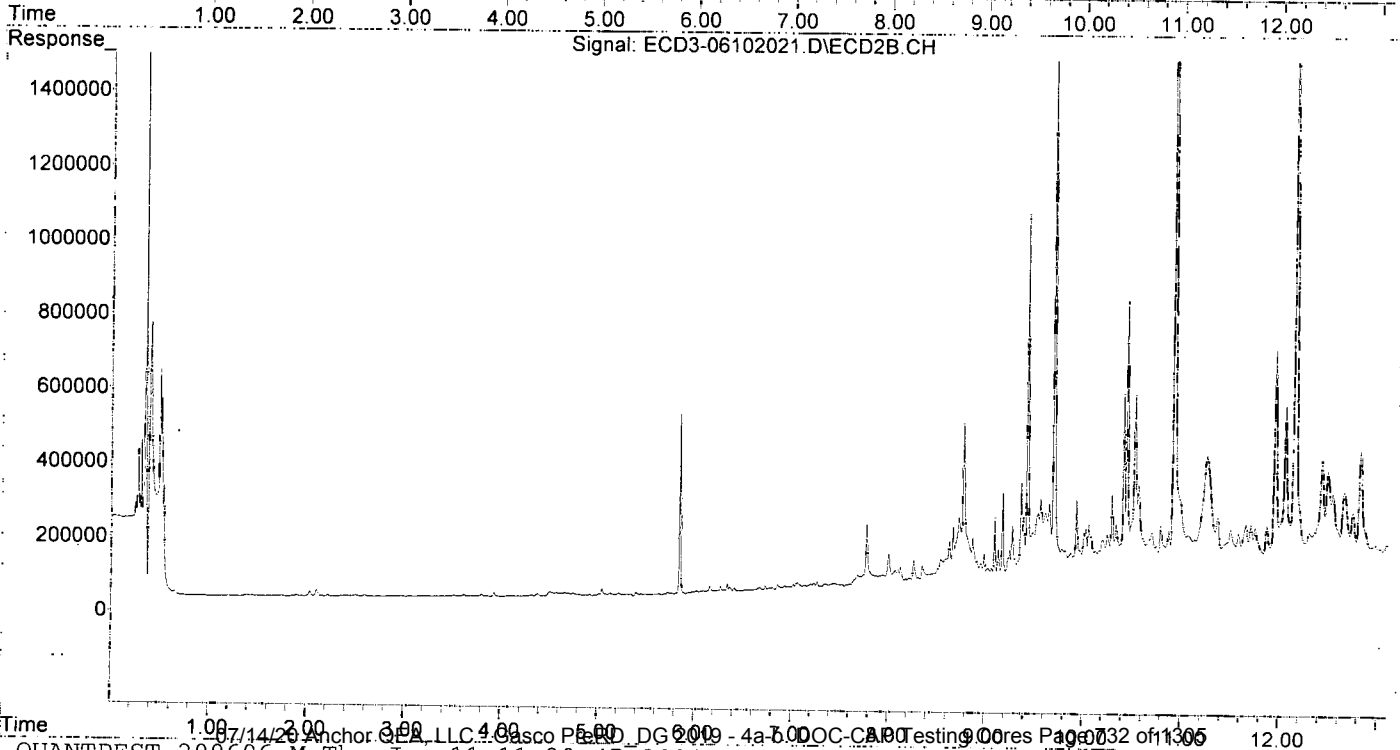
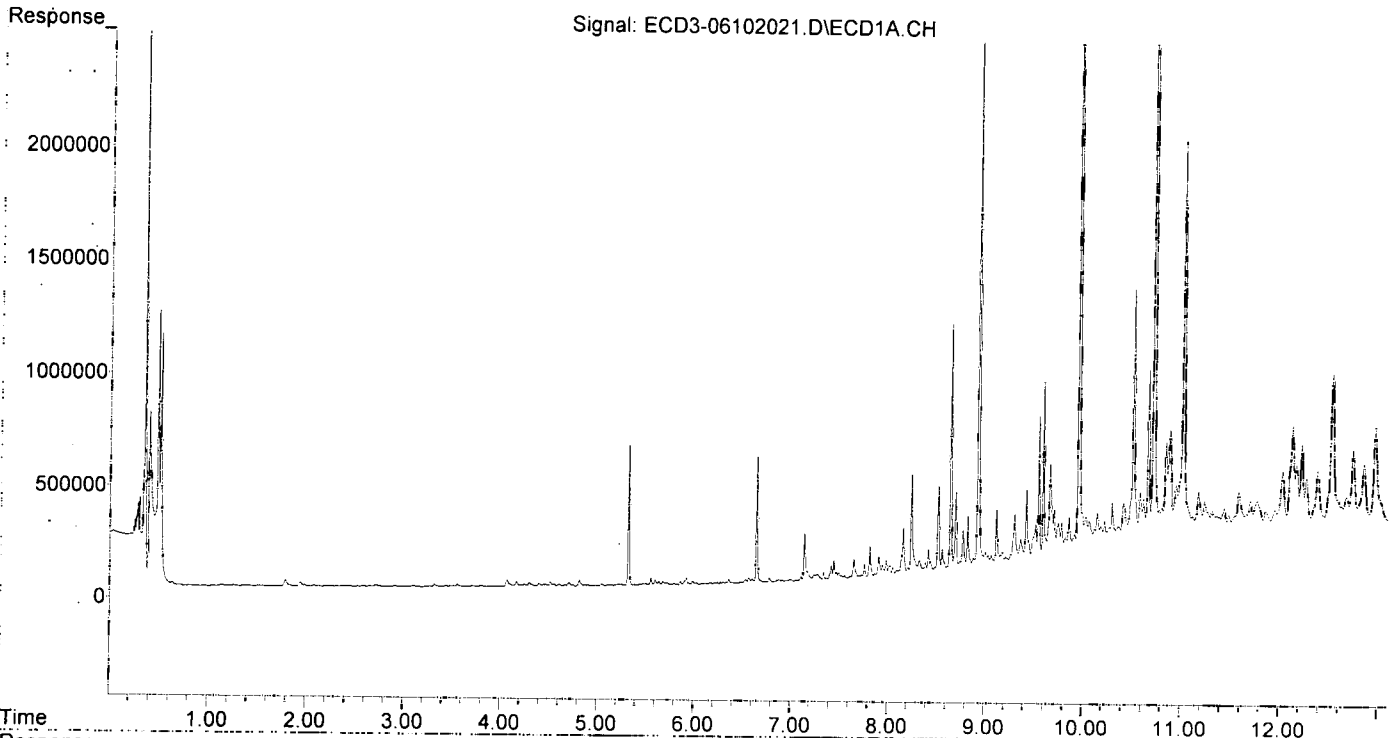
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System-Monitoring Compounds							
1) S TCMX (S)	5.325	5.845	625316	482288	4.183	7.616	#
22) S DCBP (S)	9.551	10.409	633318	461843	5.499	6.706	
Target Compounds							
2) a-BHC	5.863	0.000	15440	0	0.072	N.D.	#
3) g-BHC	6.171f	6.780	4713	4852	0.025	0.044	#
4) b-BHC	6.215	6.857	6253	12115	0.079	0.269	#
5) Heptachlor	6.568	0.000	22143	0	0.133	N.D.	#
6) d-BHC	6.361	7.068f	17057	14264	0.102	0.164	#
7) Aldrin	6.780f	7.422	18648	4159	0.107	0.035	#
8) Heptachlo...	7.279	7.847	24079	24298	0.149	0.230	#
9) trans-Chl...	7.365	8.006	4491	79568	0.026	0.736	#
10) cis-Chlor...	7.474	8.102	27362	34783	BelowCal	0.322	
11) Endosulfa...	7.557	8.181f	10980	9598	0.073	0.103	#
12) 4,4'-DDE	7.557f	8.209	10980	10026	0.067	0.108	#
13) Dieldrin	7.736	8.351	9152	40215	0.056	0.387	#
14) Endrin	7.911	8.592	83544	54678	0.647	0.717	#
15) 4,4'-DDD	7.948	8.630	44156	100414	0.341	1.389	#
16) Endosulfa...	8.055	8.725	26605	163746	0.208	2.059	#
17) 4,4'-DDT	8.144	8.868	81854	106010	0.835	2.063	#
18) Endrin Al...	8.362	8.984	11330	62170	6984.990	0.761	#
19) Endosulfa...	8.649	9.175	1081775	219703	8.618	3.131	#
20) Methoxychlor	8.488	9.362	10552	245177	0.200	10.249	#
21) Endrin Ke...	8.825	9.560	220832	197966	1.600	2.464	#
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24) Hexachlor...	5.713	6.313	9083	5320	0.062	BelowCal	#
25) Oxychlordane	7.176f	7.776	39000	160678	0.120	1.703	#
26) 2,4'-DDE	7.279	8.006	24079	79568	0.067	1.027	#
27) trans-Non...	7.448	8.070	82969	34833	0.085	0.015	#
28) 2,4'-DDD	7.635	8.351	82660	40215	0.903	0.587	#
29) 2,4'-DDT	7.818	8.592	132397	54678	1.716	1.206	#
30) cis-Nonac...	7.911	8.630	83544	100414	0.479	0.759	#
31) Mirex	8.614	9.560	7471	197966	20727.559	2.792	#
32) Chlordane...	7.365	8.006	4491	79568	0.250	6.342	#
33) Chlordane...	7.474	8.127	27362	41938	1.235	3.915	#
34) Chlordane...	8.026	8.772	38308	412145	7.629	135.733	#
35) Chlordane...	0.000	3.928f	0	10285	N.D.	NoCal	
36) Toxaphene...	7.448	8.351	82969	40215	112.079	42.907	#
37) Toxaphene...	7.736	8.725f	9152	163746	6.732	143.746	#
38) Toxaphene...	8.055	8.725	26605	163746	9.441	97.640	#
39) Toxaphene...	8.328f	8.772f	46223	412145	5.550	150.584	#
40) Toxaphene...	8.522	8.984	368999	62170	187.047	37.779	#
41) Toxaphene...	8.614f	9.362	7471	245177	2.691	152.848	#
42) Toxaphene...	0.000	3.928f	0	10285	N.D.	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:03
Operator : MJB
Sample : 0060273-DUP1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 18:41
 Operator : MJB
 Sample : AOE0668-02RE1(2)
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 19:02:59 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

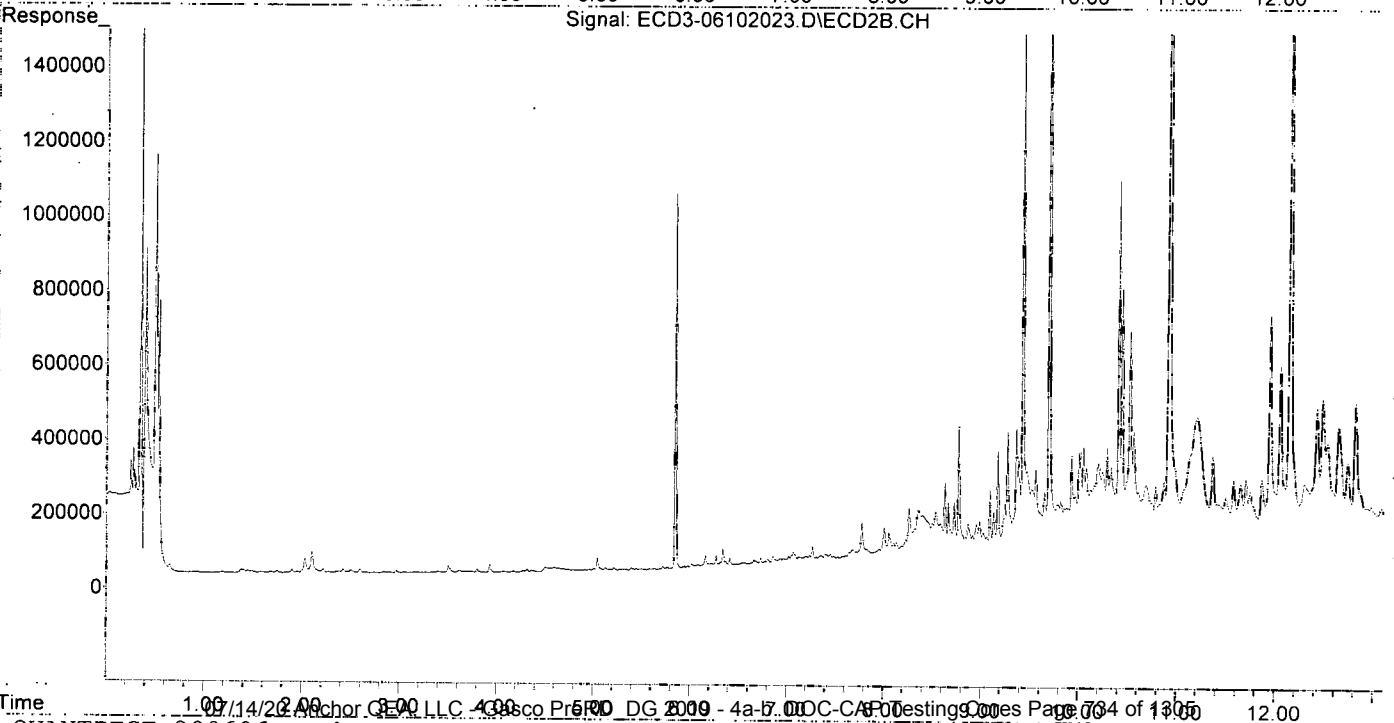
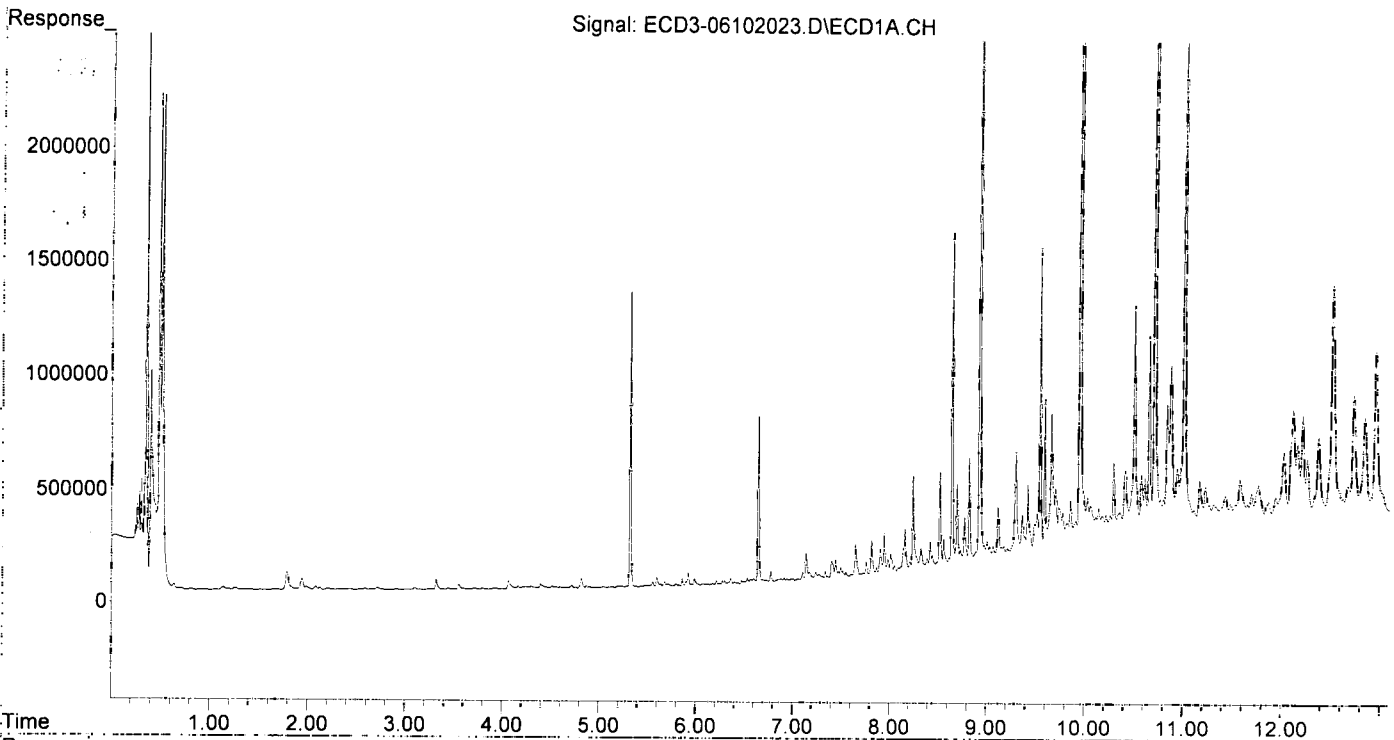
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.324	5.845	1299666	999510	8.693	15.774 #
22) S DCBP (S)	9.550	10.408	1339213	949302	11.815	13.960
Target Compounds						
2) a-BHC	5.862	0.000	31466	0	0.148	N.D. #
3) g-BHC	6.173f	6.779	4289	5124	0.023	0.046 #
4) b-BHC	6.215	6.856	16657	16155	0.211	0.358 #
5) Heptachlor	6.568	7.146	15284	8891	0.092	0.090
6) d-BHC	6.360	7.085	23095	17672	0.138	0.203 #
7) Aldrin	6.829f	7.418	5713	10419	0.031	0.087 #
8) Heptachlo...	7.276	7.884f	20345	9568	0.126	0.091
9) trans-Chl...	7.362	8.006	6990	74061	0.041	0.685 #
10) cis-Chlor...	7.476	8.102	24219	29470	BelowCal	0.273
11) Endosulfa...	7.556	8.131f	20462	30487	0.136	0.327 #
12) 4,4'-DDE	7.523	8.227	25015	37323	0.153	0.400 #
13) Dieldrin	7.735	8.348	8279	113307	0.051	1.089 #
14) Endrin	7.909	8.580	106689	71826	0.827	0.942 #
15) 4,4'-DDD	7.947	8.631	168207	179955	1.297	2.488 #
16) Endosulfa...	8.055	8.724	22347	125602	0.175	1.579 #
17) 4,4'-DDT	8.145	8.868	97748	66597	1.005	1.236 #
18) Endrin Al...	8.327	8.985	86259	69710	0.641	0.875 #
19) Endosulfa...	8.649	9.174	1455961	251963	11.599	3.591 #
20) Methoxychlor	8.491	9.362	15432	308325	0.293	12.826 #
21) Endrin Ke...	8.824f	9.559	463543	196581	3.359	2.447 #
23) Hexachlor...	3.101	3.499f	7405	17669	BelowCal	1522.787
24) Hexachlor...	5.712	6.315	10484	9393	0.072	BelowCal #
25) Oxychlordane	7.178	7.775	33328	91246	0.076	0.878 #
26) 2,4'-DDE	7.276	8.006	20345	74061	0.029	0.934 #
27) trans-Non...	7.448	8.053	78186	58871	0.053	0.257 #
28) 2,4'-DDD	7.654	8.365	136834	112495	1.495	1.983 #
29) 2,4'-DDT	7.825	8.580	97752	71826	1.267m	1.584 #
30) cis-Nonac...	7.947	8.631	168207	179955	0.964	1.505 #
31) Mirex	8.616	9.559	28232	196581	20727.348	2.771 #
32) Chlordane...	7.362	8.006	6990	74061	0.389	5.903 #
33) Chlordane...	7.476	8.131	24219	30487	1.093	2.846 #
34) Chlordane...	8.014	8.771	80217	325290	15.974	107.129 #
35) Chlordane...	0.000	3.928f	0	20731	N.D.	NoCal
36) Toxaphene...	7.448	8.348	78186	113307	105.618	120.890 #
37) Toxaphene...	7.735	8.687	8279	55303	6.090	48.549 #
38) Toxaphene...	8.055	8.724	22347	125602	7.930	74.895 #
39) Toxaphene...	8.327f	8.771f	86259	325290	22.040	114.379 #
40) Toxaphene...	8.522	8.985	413905	69710	209.810	42.916 #
41) Toxaphene...	8.616f	9.362	28232	308325	10.170	192.216 #
42) Toxaphene...	0.000	3.928f	0	20731	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:41
Operator : MJB
Sample : AOE0668-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

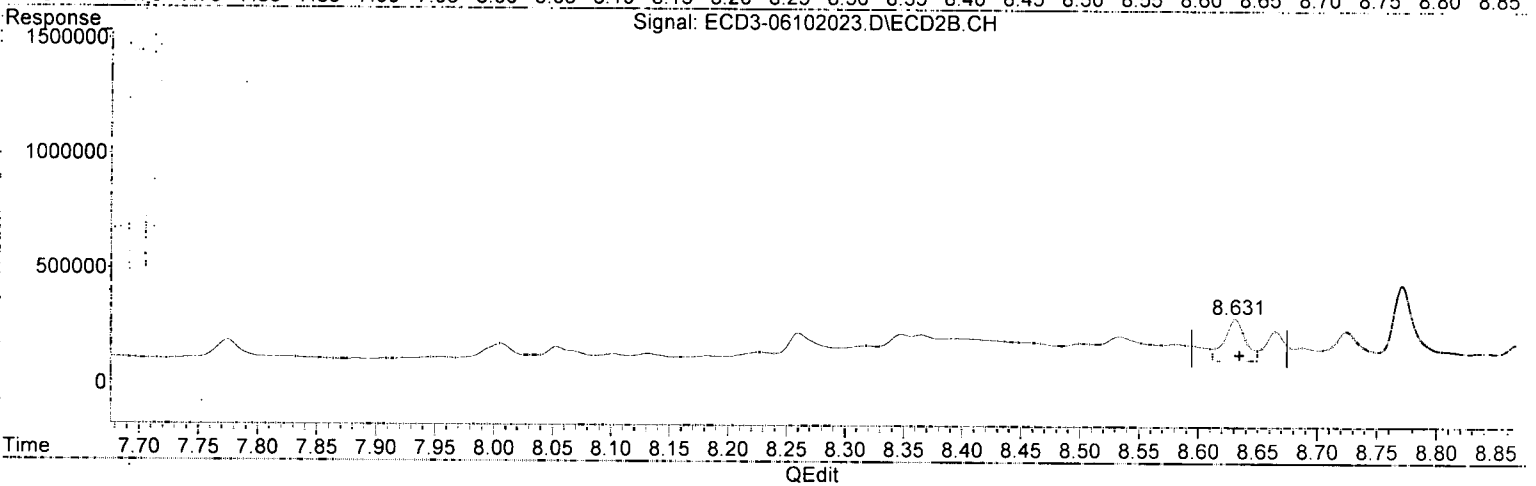
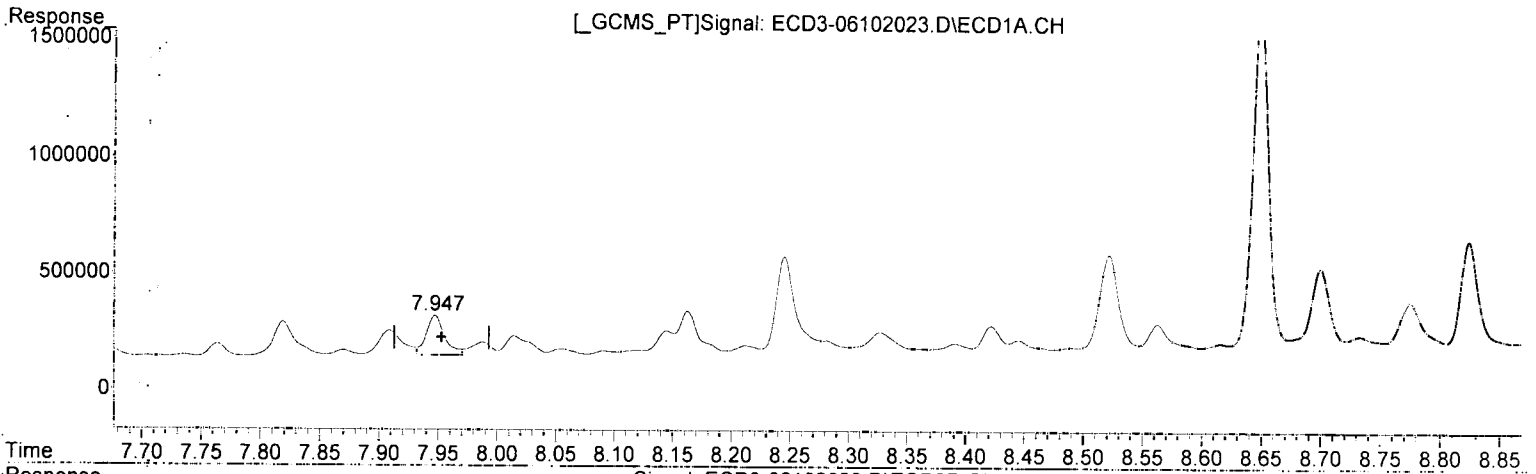
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 19:02:59 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:41
Operator : MJB
Sample : A0E0668-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.947min 1.297 ng/mL
response 168207

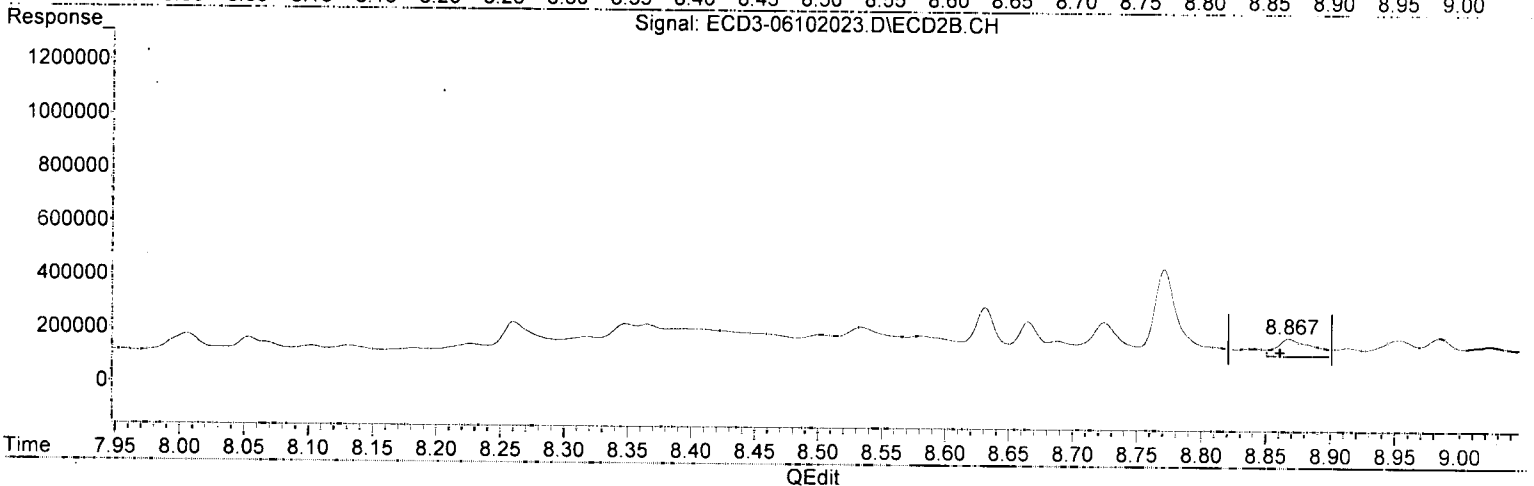
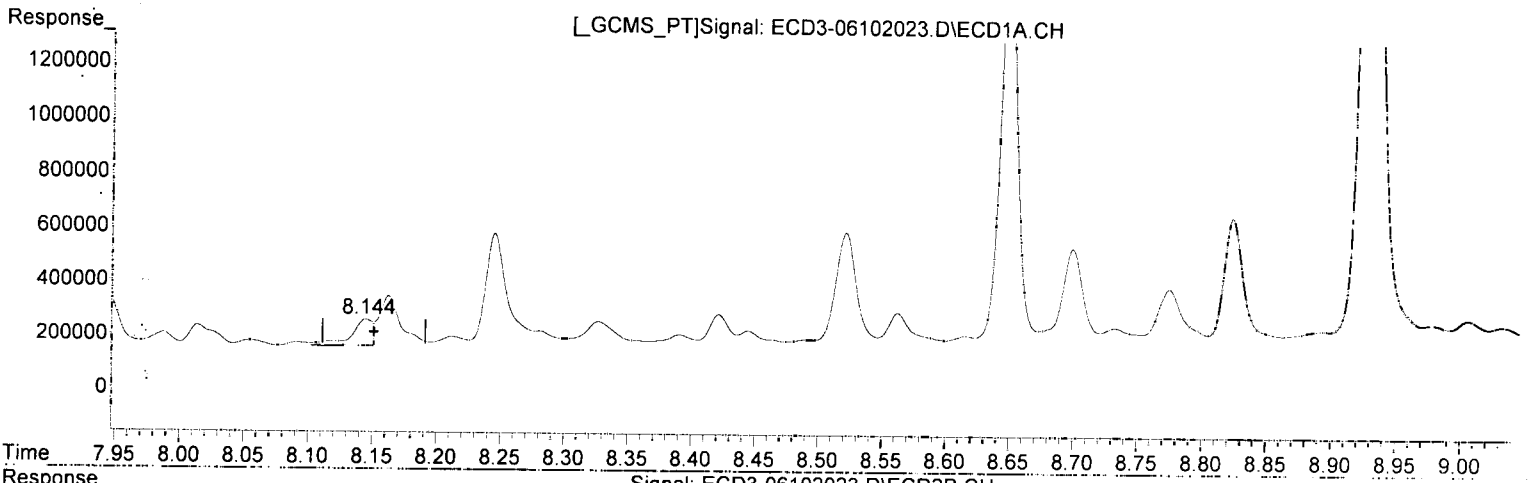
MJB
6/11/20

(15) 4,4'-DDD #2
8.631min 2.488 ng/mL Q-41
response 179955

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:41
Operator : MJB
Sample : AOE0668-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualeCD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.145min 1.005 ng/mL
response 97748

MDL=MP2

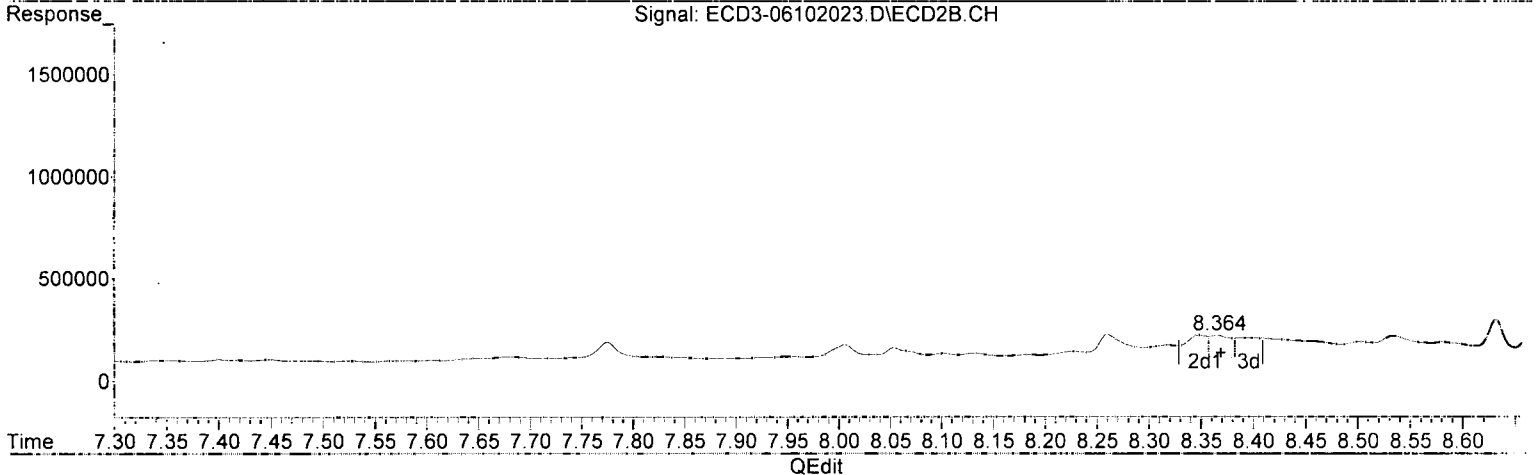
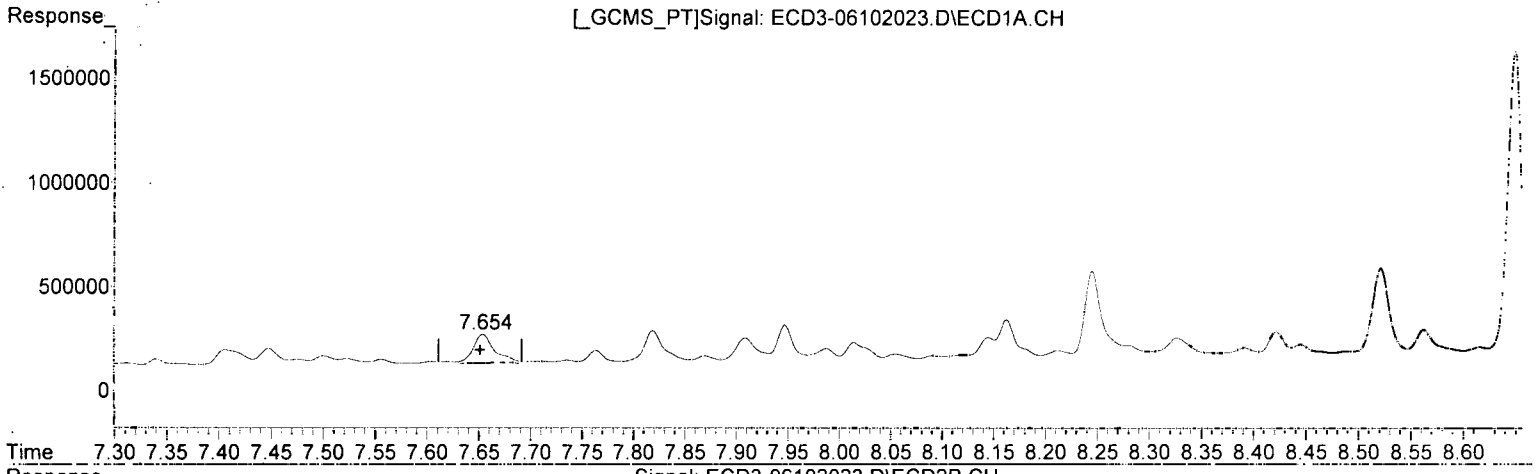
*MJB
6/11/20*

(17) 4,4'-DDT #2
8.868min 1.236 ng/mL
response 66597

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:41
Operator : MJB
Sample : A0E0668-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.654min 1.495 ng/mL *MDL-MPL*
response 136834

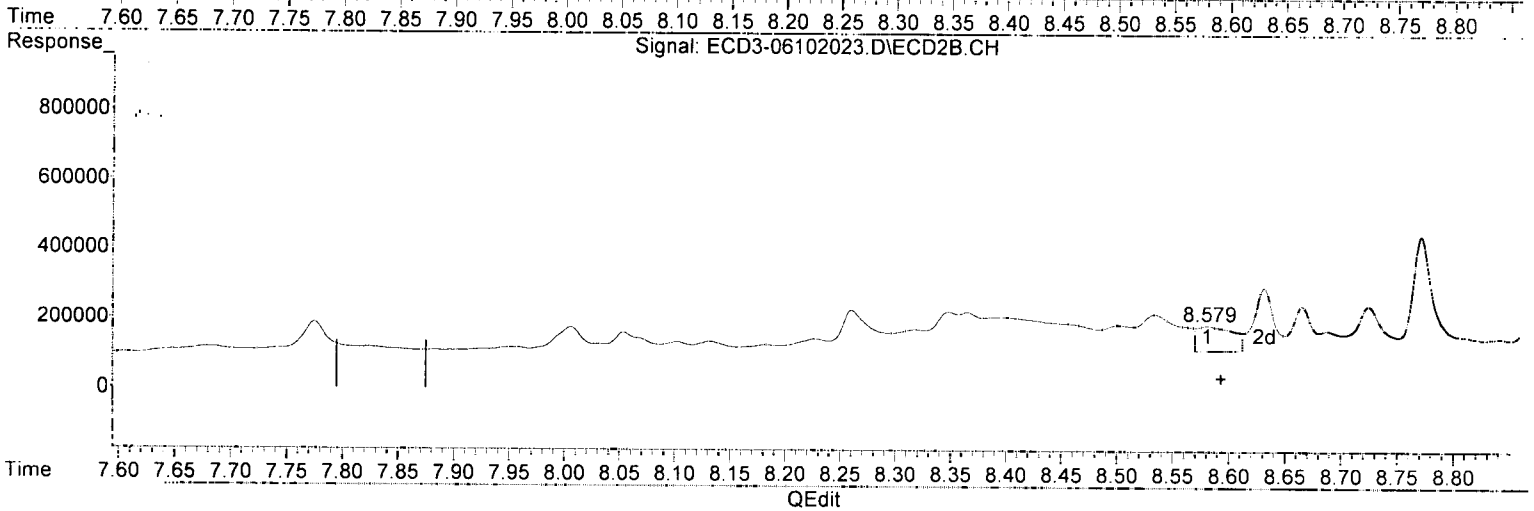
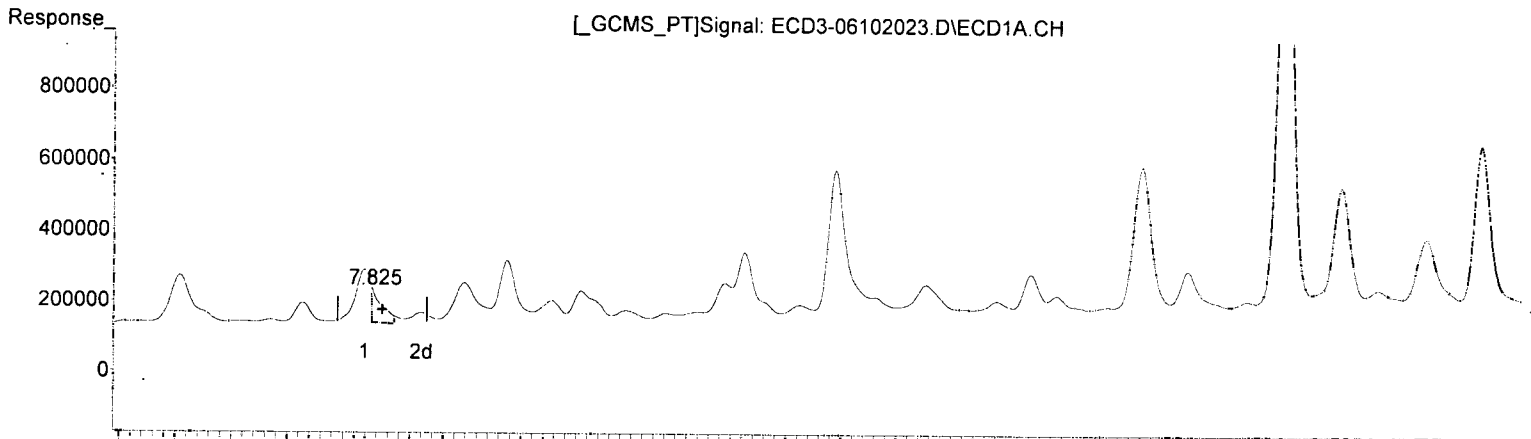
*MJB
6/11/20*

(28) 2,4'-DDD #2
8.365min 1.983 ng/mL
response 112495

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 18:41
 Operator : MJB
 Sample : A0E0668-02RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:50 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT

7.825min 1.267 ng/mL (+)
 response 97752

MDL: MAL

MJB
6/11/20

(29) 2,4'-DDT #2

8.580min 1.584 ng/mL
 response 71826

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 18:41
 Operator : MJB
 Sample : AOE0668-02RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:50 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.324	5.845	1299666	999510	8.693	15.774	#
22) S DCBP (S)	9.550	10.408	1339213	949302	11.815	13.960	
Target Compounds							
2) a-BHC	5.862	0.000	31466	0	0.148	N.D.	#
3) g-BHC	6.173f	6.779	4289	5124	0.023	0.046	#
4) b-BHC	6.215	6.856	16657	16155	0.211	0.358	#
5) Heptachlor	6.568	7.146	15284	8891	0.092	0.090	
6) d-BHC	6.360	7.085	23095	17672	0.138	0.203	#
7) Aldrin	6.829f	7.418	5713	10419	0.031	0.087	#
8) Heptachlo...	7.276	7.884f	20345	9568	0.126	0.091	
9) trans-Chl...	7.362	8.006	6990	74061	0.041	0.685	#
10) cis-Chlor...	7.476	8.102	24219	29470	BelowCal	0.273	
11) Endosulfa...	7.556	8.131f	20462	30487	0.136	0.327	#
12) 4,4'-DDE	7.523	8.227	25015	37323	0.153	0.400	#
13) Dieldrin	7.735	8.348	8279	113307	0.051	1.089	#
14) Endrin	7.909	8.580	106689	71826	0.827	0.942	
15) 4,4'-DDD	7.947	8.631	168207	179955	1.297	2.488	#
16) Endosulfa...	8.055	8.724	22347	125602	0.175	1.579	#
17) 4,4'-DDT	8.145	8.868	97748	66597	1.005	1.236	
18) Endrin Al...	8.327	8.985	86259	69710	0.641	0.875	
19) Endosulfa...	8.649	9.174	1455961	251963	11.599	3.591	#
20) Methoxychlor	8.491	9.362	15432	308325	0.293	12.826	#
21) Endrin Ke...	8.824f	9.559	463543	196581	3.359	2.447	
23) Hexachlor...	3.101	3.499f	7405	17669	BelowCal	1522.787	
24) Hexachlor...	5.712	6.315	10484	9393	0.072	BelowCal	#
25) Oxychlorane	7.178	7.775	33328	91246	0.076	0.878	#
26) 2,4'-DDE	7.276	8.006	20345	74061	0.029	0.934	#
27) trans-Non...	7.448	8.053	78186	58871	0.053	0.257	#
28) 2,4'-DDD	7.654	8.365	136834	112495	1.495	1.983	
29) 2,4'-DDT	7.819	8.580	146701	71826	1.902	1.584	
30) cis-Nonac...	7.947	8.631	168207	179955	0.964	1.505	#
31) Mirex	8.616	9.559	28232	196581	20727.348	2.771	#
32) Chlordane...	7.362	8.006	6990	74061	0.389	5.903	#
33) Chlordane...	7.476	8.131	24219	30487	1.093	2.846	#
34) Chlordane...	8.014	8.771	80217	325290	15.974	107.129	#
35) Chlordane...	0.000	3.928f	0	20731	N.D.	NoCal	
36) Toxaphene...	7.448	8.348	78186	113307	105.618	120.890	
37) Toxaphene...	7.735	8.687	8279	55303	6.090	48.549	#
38) Toxaphene...	8.055	8.724	22347	125602	7.930	74.895	#
39) Toxaphene...	8.327f	8.771f	86259	325290	22.040	114.379	#
40) Toxaphene...	8.522	8.985	413905	69710	209.810	42.916	#
41) Toxaphene...	8.616f	9.362	28232	308325	10.170	192.216	#
42) Toxaphene...	0.000	3.928f	0	20731	N.D.	NoCal	

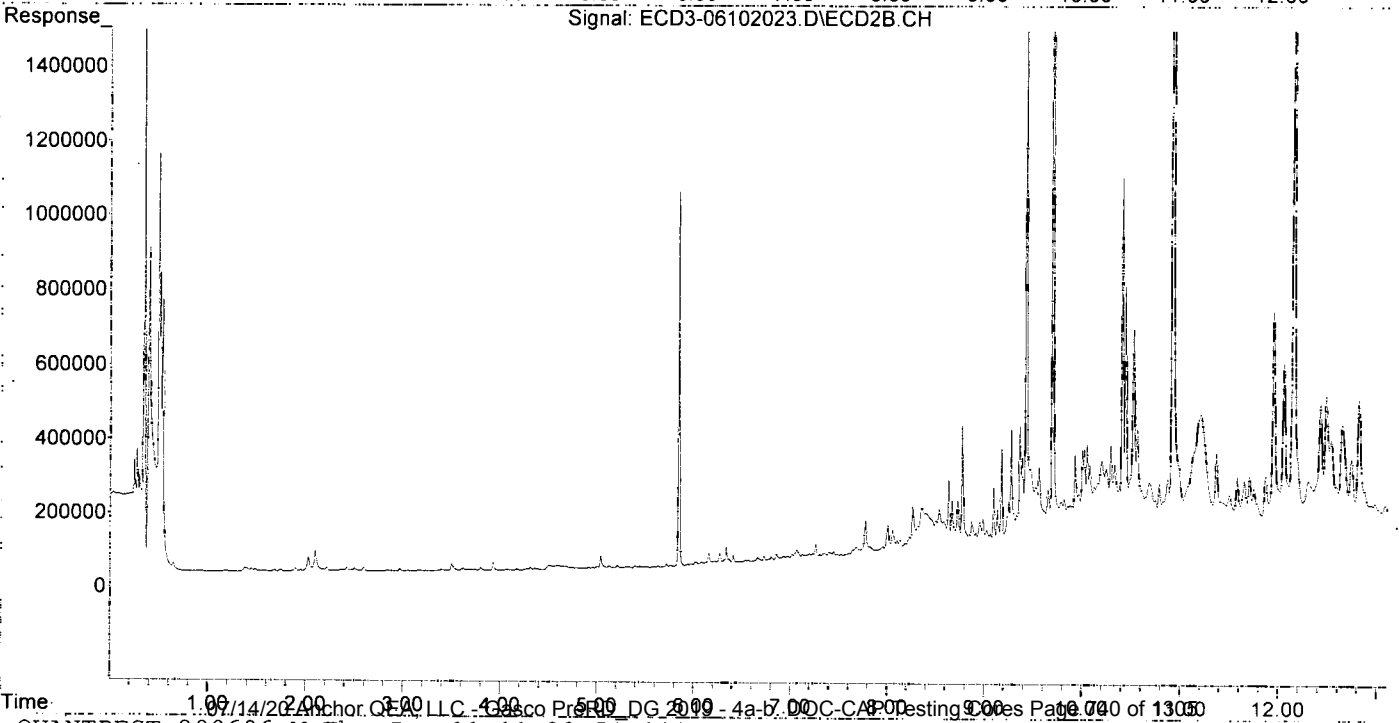
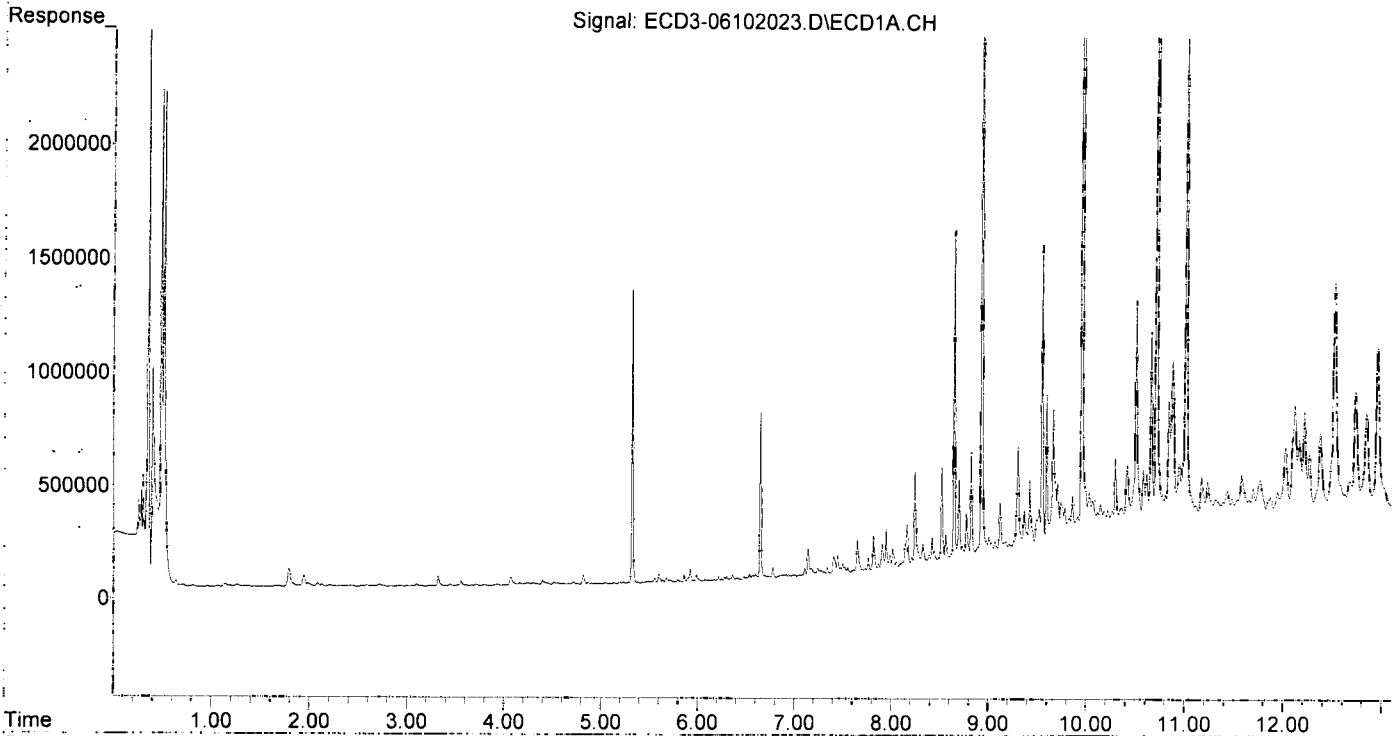
MJB
6/11/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 18:41
Operator : MJB
Sample : A0E0668-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 19:19
 Operator : MJB
 Sample : AOE0668-03RE1²⁵
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 19:07:06 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Roy

*MB
6/11/20*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.324	5.844	606401	462546	4.056	7.300 #
22) S DCBP (S)	9.550	10.408	673559	512650	5.859	7.461 #
Target Compounds						
2) a-BHC	5.862	0.000	15002	0	0.070	N.D. #
3) g-BHC	6.169	6.777	6249	4584	0.034	0.041 #
4) b-BHC	6.214	6.854	7235	18495	0.092	0.410 #
5) Heptachlor	6.567	7.123f	31048	9377	0.187	0.095 #
6) d-BHC	6.360	7.084	26869	12602	0.161	0.145 #
7) Aldrin	6.828f	7.419	5776	6953	0.031	0.058 #
8) Heptachlo...	7.261	7.848	32317	17958	0.200	0.170 #
9) trans-Chl...	7.341f	8.003	46032	97919	0.270	0.906 #
10) cis-Chlor...	7.474	8.102	35817	78975	BelowCal	0.731 #
11) Endosulfa...	7.555	8.181f	10018	70686	0.067	0.759 #
12) 4,4'-DDE	7.524	8.211	18181	75062	0.111	0.805 #
13) Dieldrin	7.735	8.348	12542	121848	0.077	1.171 #
14) Endrin	7.910	8.582	107934	16262	0.836	0.213 #
15) 4,4'-DDD	7.947	8.630	100981	107693	0.779	1.489 #
16) Endosulfa...	8.053	8.723	35310	72216	0.276	0.908 #
17) 4,4'-DDT	8.157	8.867	207604	90351	2.182m	1.735 #
18) Endrin Al...	8.359	8.983	16213	85011	6984.942	1.107 #
19) Endosulfa...	8.648	9.173	1779771	353207	14.179	5.034 #
20) Methoxychlor	8.489	9.361	18534	460631	0.352	18.912 #
21) Endrin Ke...	8.824f	9.559	218535	196926	1.583	2.451 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D. #
24) Hexachlor...	5.714	6.312	8663	8358	0.060	BelowCal #
25) Oxychlordane	0.000	7.775	0	194163	N.D.	2.100 #
26) 2,4'-DDE	7.276	8.003	31679	97919	0.145	1.337 #
27) trans-Non...	7.449	8.068	76554	63904	0.042	0.308 #
28) 2,4'-DDD	7.654	8.348f	116187	121848	1.269	2.163 #
29) 2,4'-DDT	7.826	8.582	86095	16262	1.116m	0.359 #
30) cis-Nonac...	7.947	8.630	100981	107693	0.579	0.828 #
31) Mirex	8.615	9.559	22625	196926	20727.405	2.776 #
32) Chlordane...	7.341f	8.003	46032	97919	2.562	7.805 #
33) Chlordane...	7.474	8.126	35817	99637	1.617	9.302 #
34) Chlordane...	8.025	8.770	56799	298691	11.311	98.369 #
35) Chlordane...	0.000	3.927f	0	10018	N.D.	NoCal #
36) Toxaphene...	7.449	8.348	76554	121848	103.414	130.002 #
37) Toxaphene...	7.735	8.723f	12542	72216	9.226	63.396 #
38) Toxaphene...	8.053	8.723	35310	72216	12.530	43.062 #
39) Toxaphene...	8.328f	8.770f	57007	298691	9.996	103.197 #
40) Toxaphene...	8.521	8.983	572270	85011	290.086	53.324 #
41) Toxaphene...	8.615f	9.361	22625	460631	8.150	287.166 #
42) Toxaphene...	0.000	3.927f	0	10018	N.D.	NoCal #

G-26

MDL=MPCL

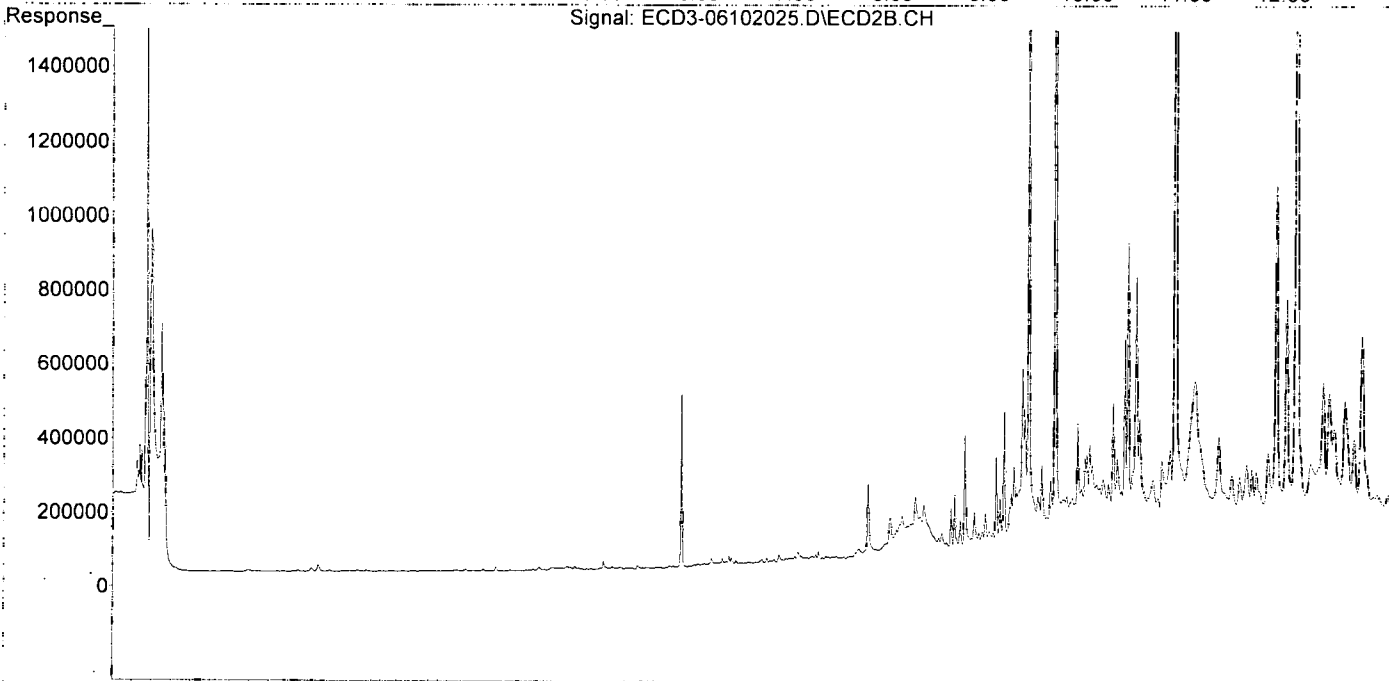
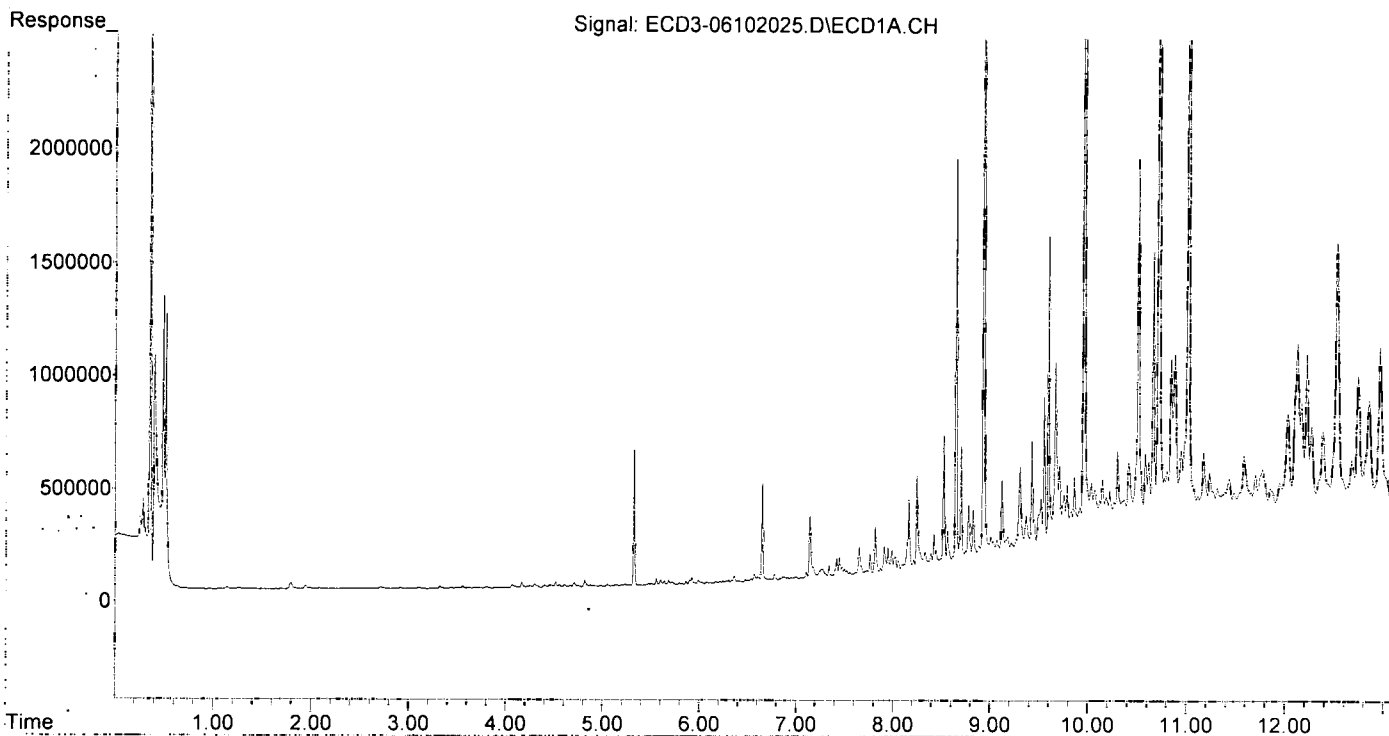
MDL=MPCL

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 19:19
Operator : MJB
Sample : A0E0668-03RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

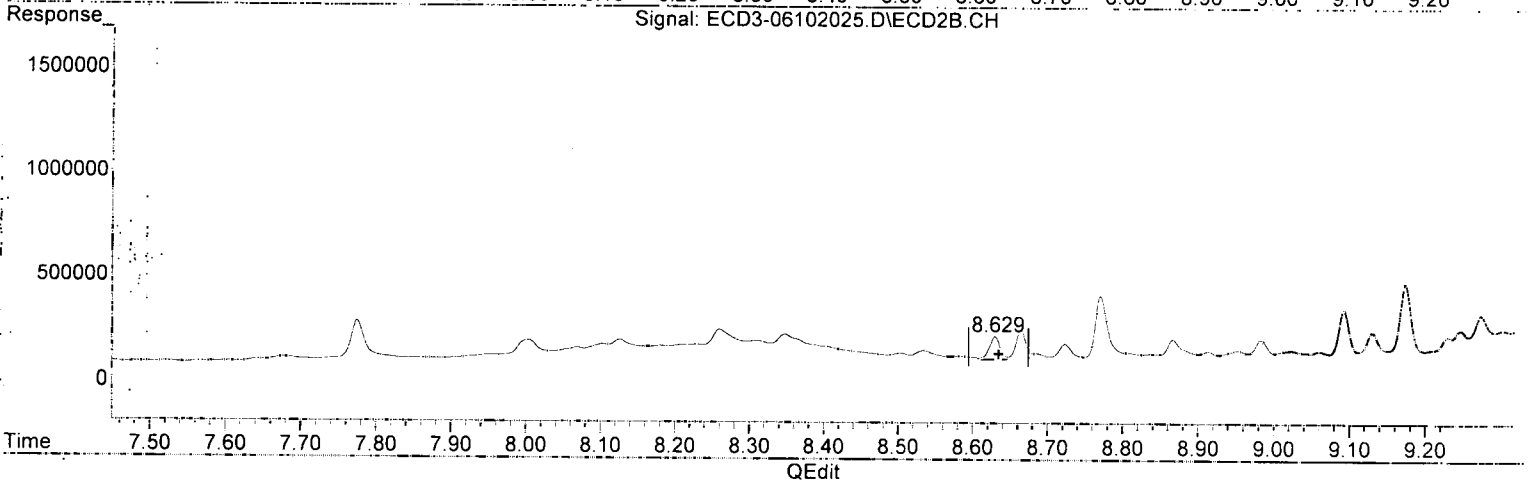
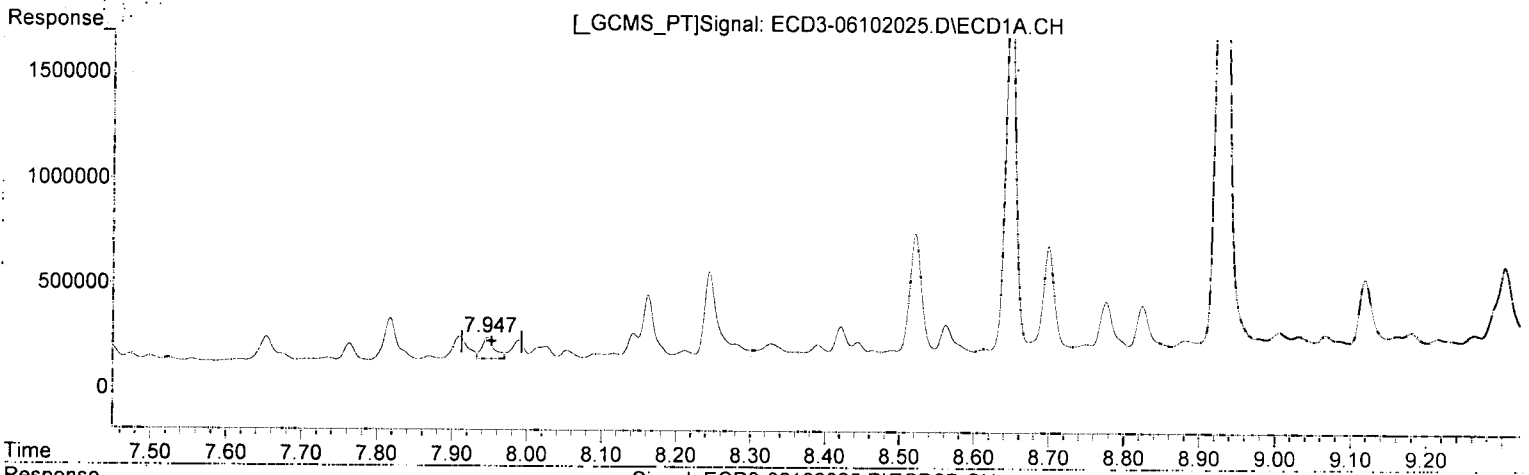
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 19:07:06 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 19:19
Operator : MJB
Sample : A0E0668-03RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:54 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.947min 0.779 ng/mL
response 100981

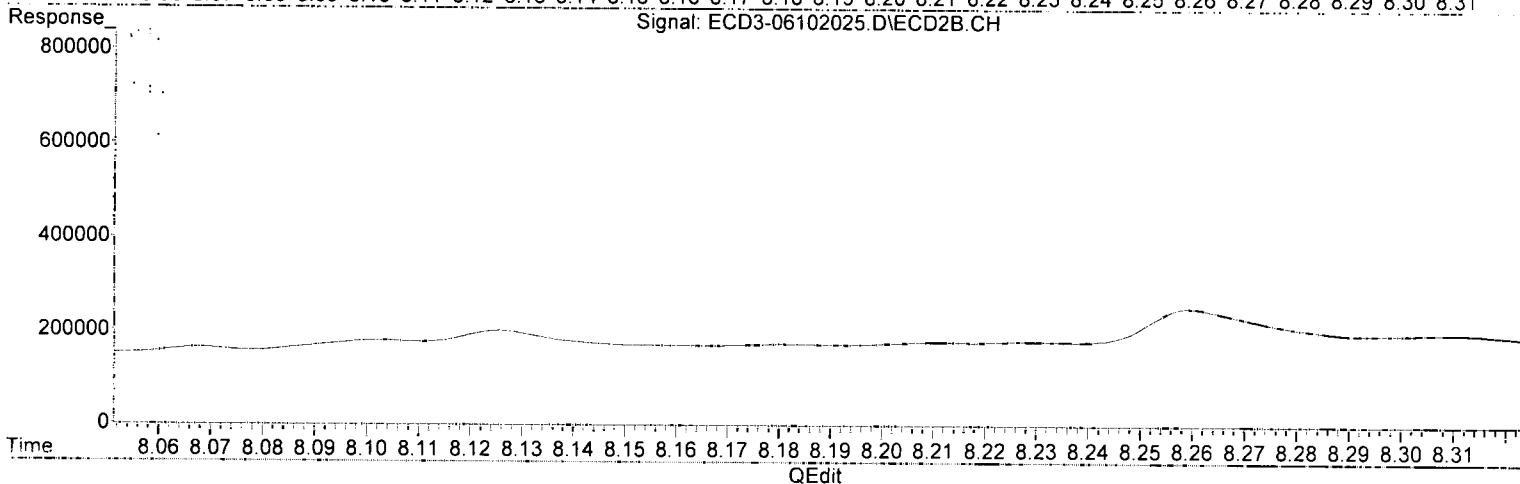
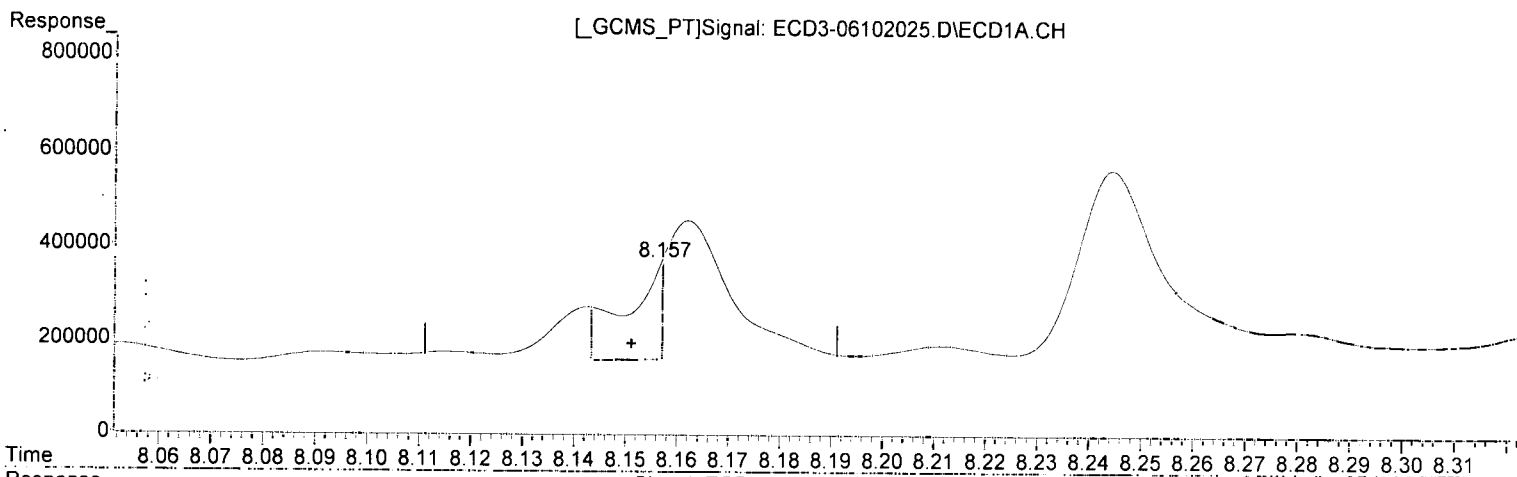
MJB
6/11/20

(15) 4,4'-DDD #2
8.630min 1.489 ng/mL
response 107693

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq.On : 10 Jun 2020 19:19
Operator : MJB
Sample : A0E0668-03RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:54 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualeCD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT

8.157min 2.182 ng/mL (m) P-91

response 207604

WP
6/11/20

(17) 4,4'-DDT #2

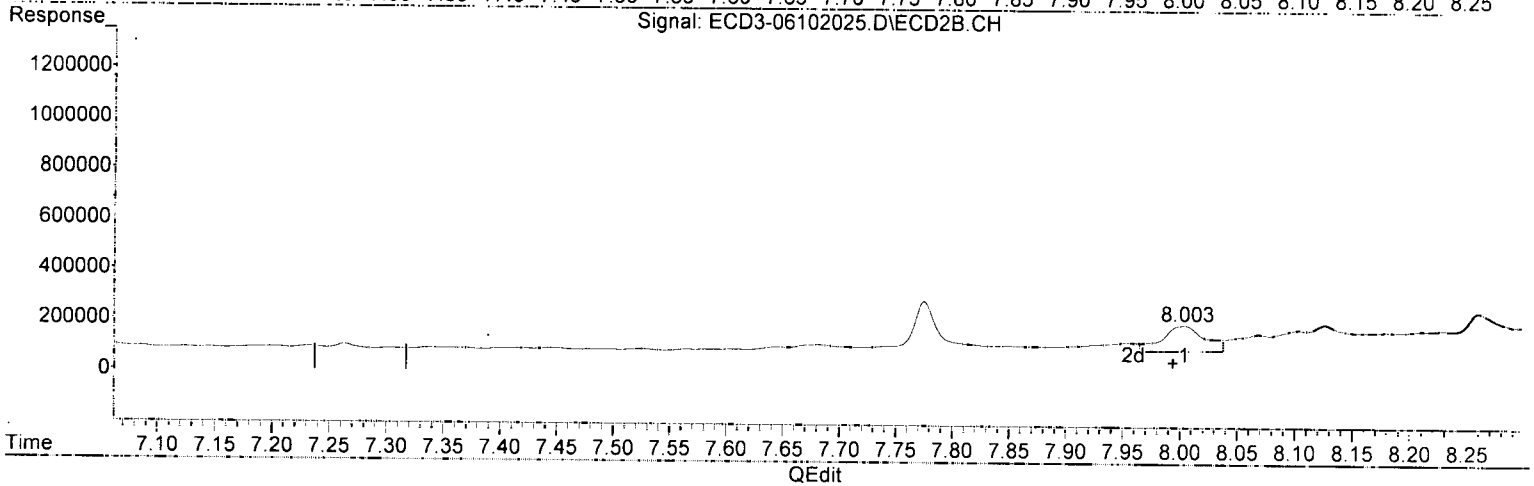
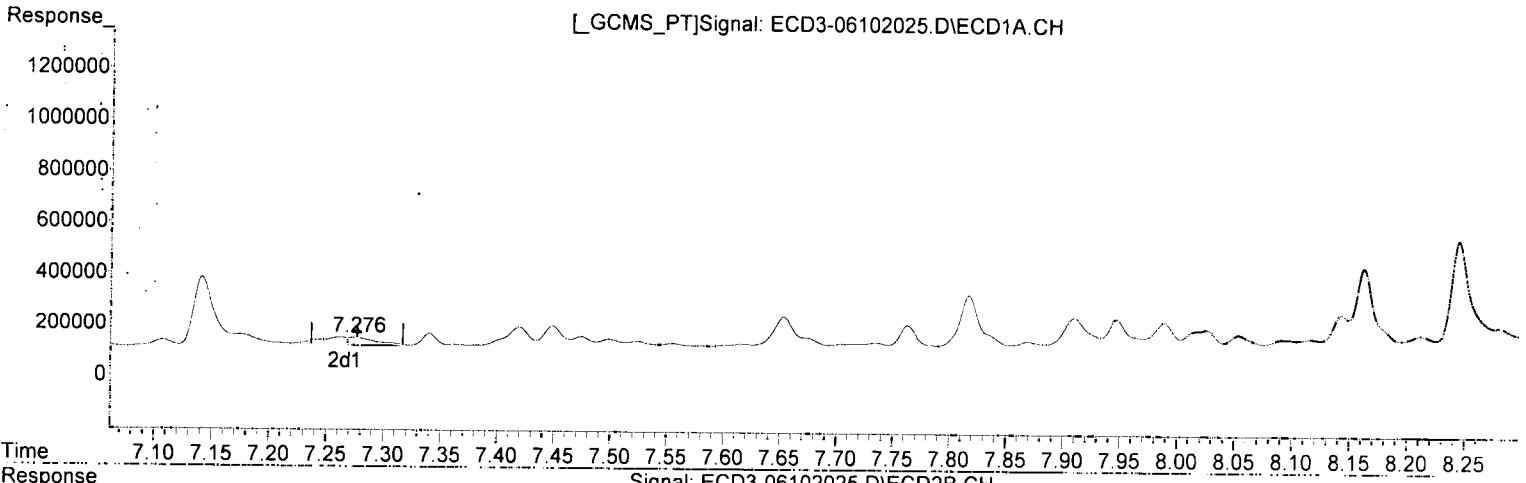
8.867min 1.735 ng/mL MDL=MR-L

response 90351

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 19:19
Operator : MJB
Sample : A0E0668-03RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:54 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.276min 0.145 ng/mL
response 31679

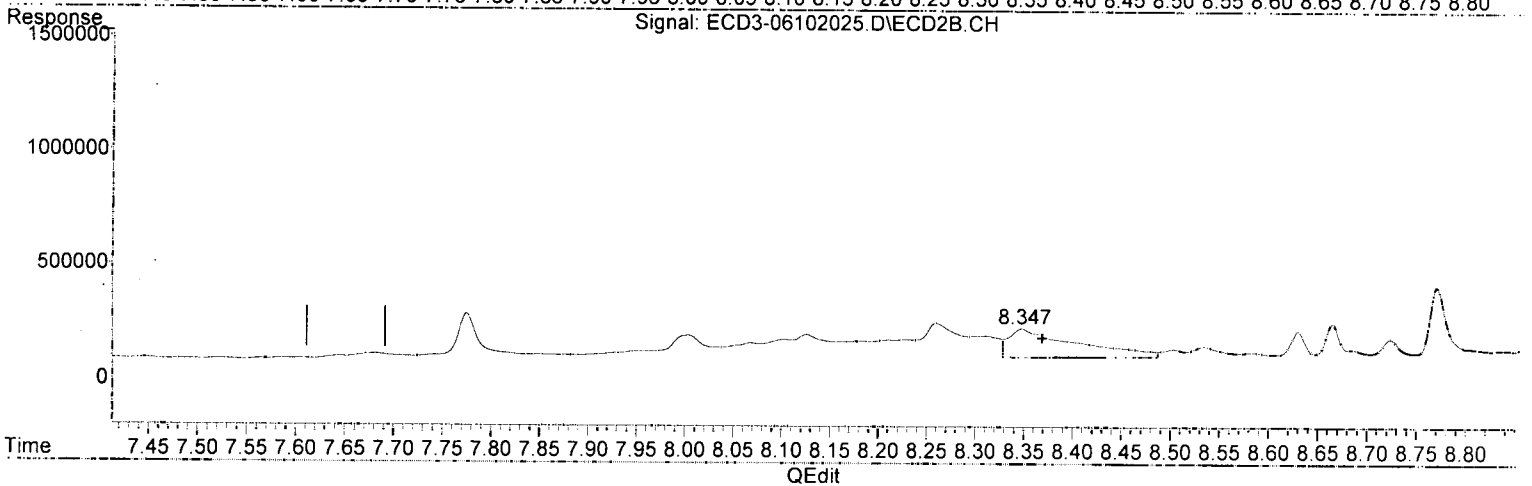
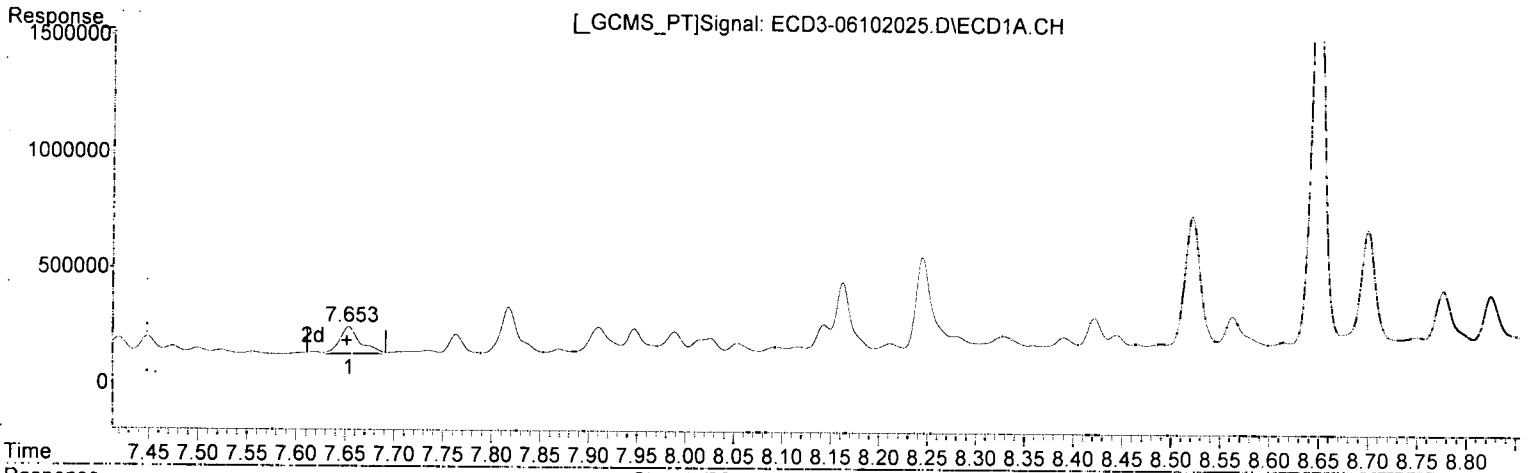
MJB
6/11/20

(26) 2,4'-DDE #2
8.003min 1.337 ng/mL
response 97919

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 19:19
Operator : MJB
Sample : A0E0668-03RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:54 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.654min 1.269 ng/mL
response 116187

MDL:MPA

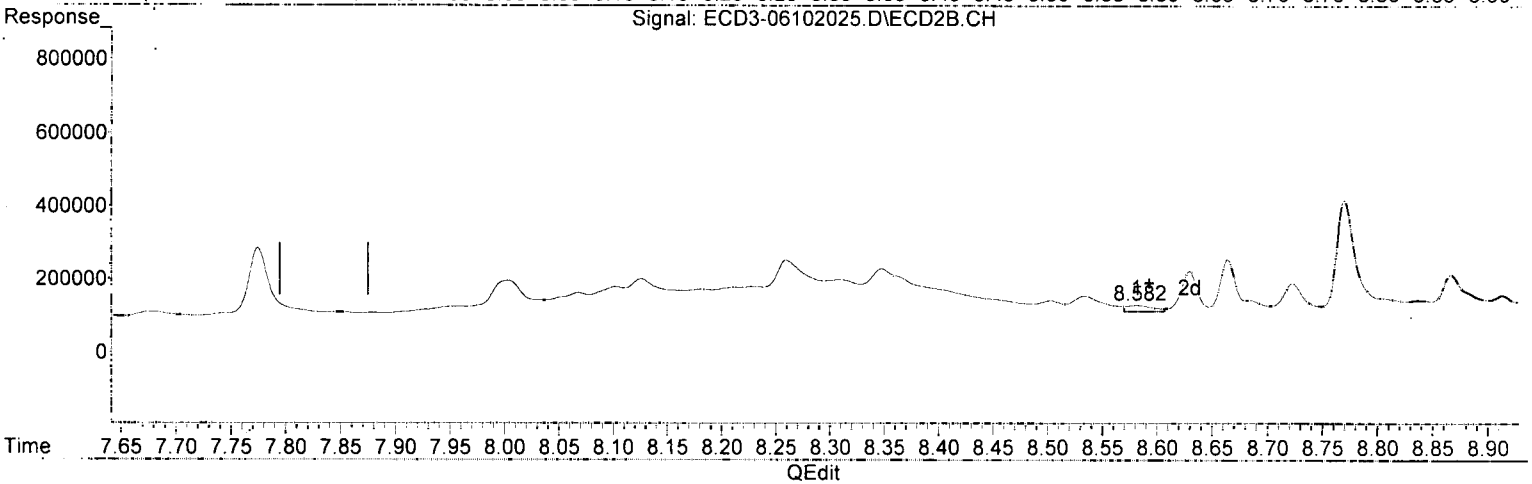
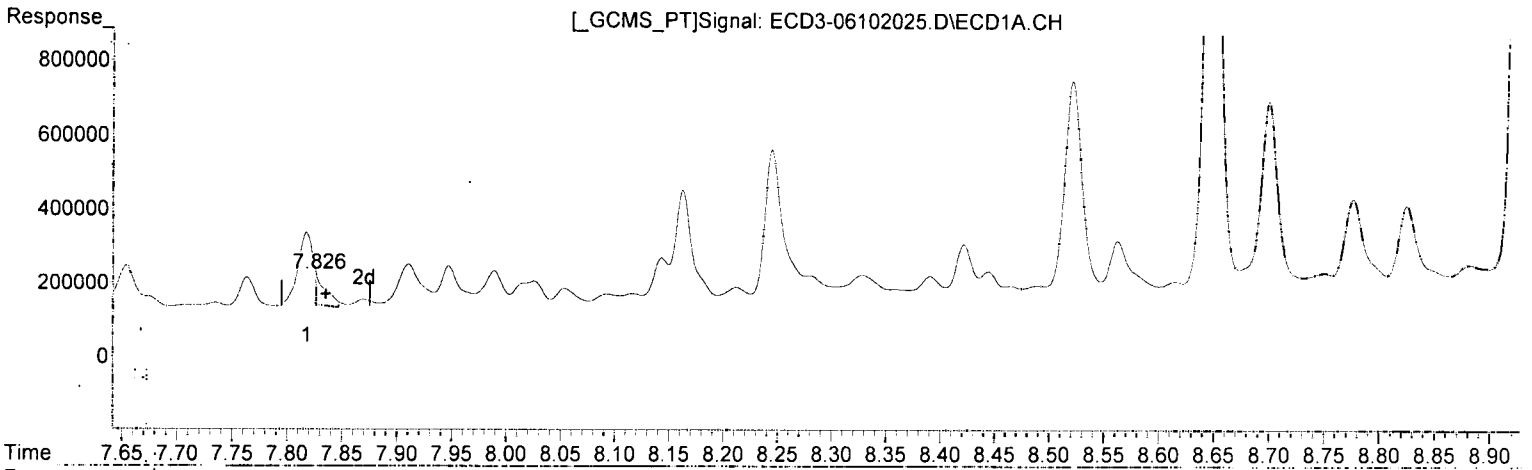
*MJB
6/11/20*

(28) 2,4'-DDD #2
8.348min 2.163 ng/mL
response 121848

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 19:19
 Operator : MJB
 Sample : A0E0668-03RE105
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:54 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT

7.826min 1.116 ng/mL (+) P-01

response 86095

*WB
6/11/20*

(29) 2,4'-DDT #2

8.582min 0.359 ng/mL

response 16262

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 19:19
 Operator : MJB
 Sample : AOE0668-03RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:54 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJ
MJB
6/11/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.324	5.844	606401	462546	4.056	7.300 #
22) S DCBP (S)	9.550	10.408	673559	512650	5.859	7.461
Target Compounds						
2) a-BHC	5.862	0.000	15002	0	0.070	N.D. #
3) g-BHC	6.169	6.777	6249	4584	0.034	0.041
4) b-BHC	6.214	6.854	7235	18495	0.092	0.410 #
5) Heptachlor	6.567	7.123f	31048	9377	0.187	0.095 #
6) d-BHC	6.360	7.084	26860	12602	0.161	0.145
7) Aldrin	6.828f	7.419	5776	6953	0.031	0.058 #
8) Heptachlo...	7.261	7.848	32817	17958	0.200	0.170
9) trans-Chl...	7.341f	8.003	48032	97919	0.270	0.906 #
10) cis-Chlor...	7.474	8.102	35817	78975	BelowCal	0.731
11) Endosulfa...	7.555	8.181f	10018	70686	0.067	0.759 #
12) 4,4'-DDE	7.524	8.211	18181	75062	0.111	0.805 #
13) Dieldrin	7.735	8.348	12542	121848	0.077	1.171 #
14) Endrin	7.910	8.582	107934	16262	0.836	0.213 #
15) 4,4'-DDD	7.947	8.630	100981	107693	0.779	1.489 #
16) Endosulfa...	8.053	8.723	35310	72216	0.276	0.908 #
17) 4,4'-DDT	8.143	8.867	113635	90351	1.176	1.735 #
18) Endrin Al...	8.359	8.983	16213	85011	6984.942	1.107 #
19) Endosulfa...	8.648	9.173	1779771	353207	14.179	5.034 #
20) Methoxychlor	8.489	9.361	18534	460631	0.352	18.912 #
21) Endrin Ke...	8.824f	9.559	218535	196926	1.583	2.451 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.714	6.312	8663	8358	0.060	BelowCal #
25) Oxychlorane	0.000	7.775	0	194163	N.D.	2.100 #
26) 2,4'-DDE	7.276	8.003	31679	97919	0.145	1.337 #
27) trans-Non...	7.449	8.068	76554	63904	0.042	0.308 #
28) 2,4'-DDD	7.654	8.348f	116187	121848	1.269	2.163 #
29) 2,4'-DDT	7.817	8.582	198646	16262	2.575	0.359 #
30) cis-Nonac...	7.947	8.630	100981	107693	0.579	0.828 #
31) Mirex	8.615	9.559	22625	196926	20727.405	2.776 #
32) Chlordane...	7.341f	8.003	46032	97919	2.562	7.805 #
33) Chlordane...	7.474	8.126	35817	99637	1.617	9.302 #
34) Chlordane...	8.025	8.770	56799	298691	11.311	98.369 #
35) Chlordane...	0.000	3.927f	0	10018	N.D.	NoCal
36) Toxaphene...	7.449	8.348	76554	121848	103.414	130.002
37) Toxaphene...	7.735	8.723f	12542	72216	9.226	63.396 #
38) Toxaphene...	8.053	8.723	35310	72216	12.530	43.062 #
39) Toxaphene...	8.328f	8.770f	57007	298691	9.996	103.197 #
40) Toxaphene...	8.521	8.983	572270	85011	290.086	53.324 #
41) Toxaphene...	8.615f	9.361	22625	460631	8.150	287.166 #
42) Toxaphene...	0.000	3.927f	0	10018	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 19:56
 Operator : MJB
 Sample : 0F10057-CCV5
 Misc : A20E232, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:32:58 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

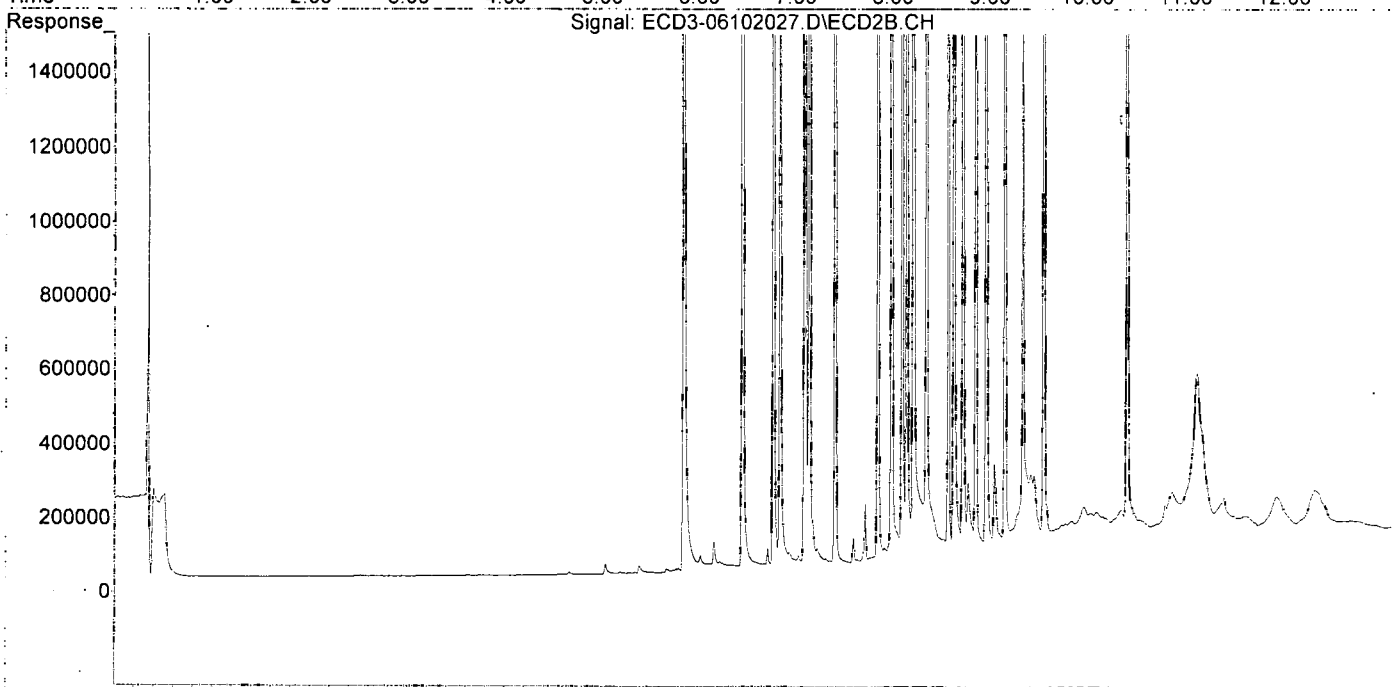
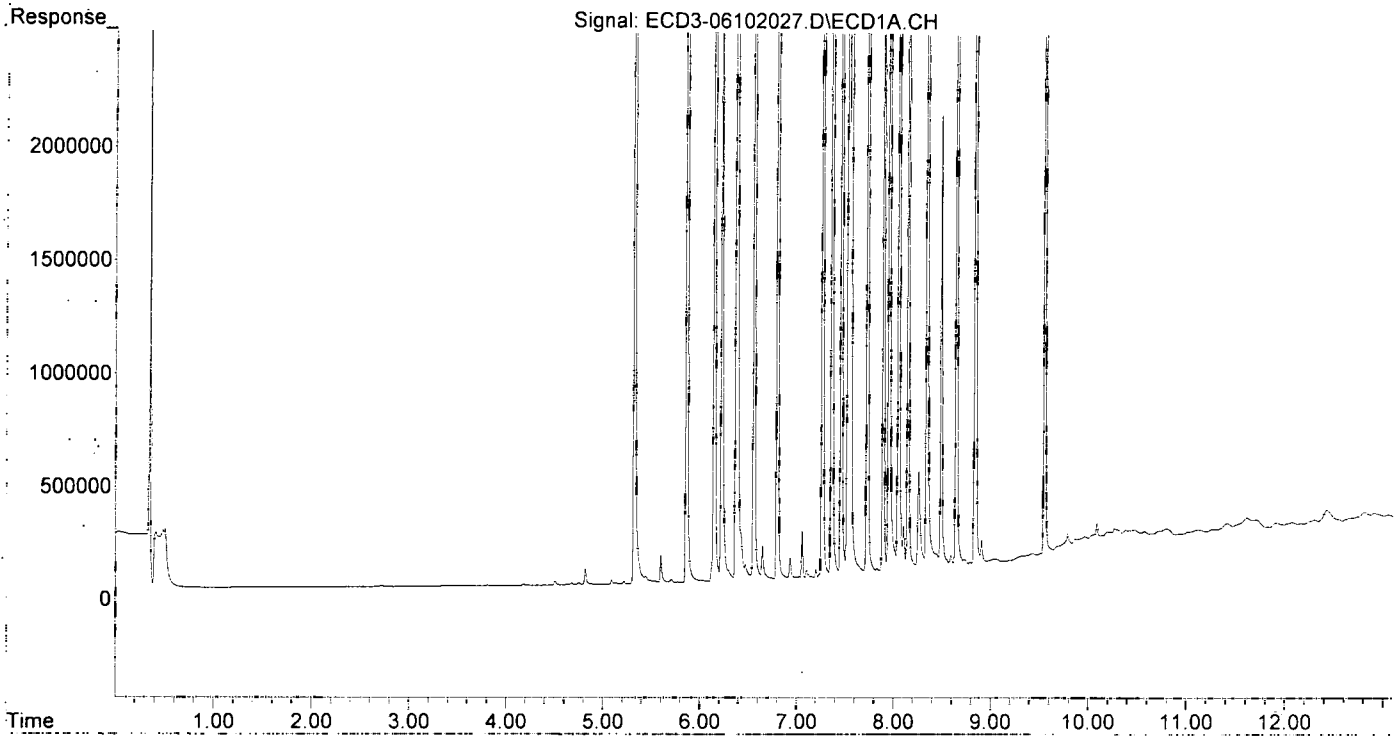
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.324	5.846	7191955	3940026	48.106	58.884
22) S DCBP (S)	9.553	10.409	5562590	3595661	49.663	53.568
Target Compounds						
2) a-BHC	5.864	6.454	10711156	6733372	50.236	54.213
3) g-BHC	6.149	6.774	9172453	6144386	49.450	55.106
4) b-BHC	6.226	6.842	3074435	2206960	38.919	48.964
5) Heptachlor	6.561	7.147	8612903	5762151	51.770	58.435
6) d-BHC	6.376	7.098	6655561	4911368	39.850	56.334 #
7) Aldrin	6.803	7.412	8884274	6119659	48.409	51.256
8) Heptachlo...	7.267	7.854	7838677	5432263	48.454	51.479
9) trans-Chl...	7.364	7.995	7771282	5313091	45.615	49.157
10) cis-Chlor...	7.461	8.103	7707404	5323193	48.186	49.278
11) Endosulfa...	7.558	8.151	7622570	5030494	50.768	53.986
12) 4,4'-DDE	7.530	8.217	7253405	4968857	44.455	53.290
13) Dieldrin	7.731	8.353	8116579	5811619	49.746	55.869
14) Endrin	7.896	8.581	4993183	3265052	38.685	42.822
15) 4,4'-DDD	7.954	8.635	6583886	4575470	50.783	63.270
16) Endosulfa...	8.053	8.730	5866115	4299352	45.871	54.051
17) 4,4'-DDT	8.151	8.860	3619264	2483576	36.534	46.574
18) Endrin Al...	8.345	8.968	5728750	4177209	56.563	62.604
19) Endosulfa...	8.649	9.160	6275321	4199963	49.994	59.859
20) Methoxychlor	8.493	9.345	2000305	1426475	37.984	53.972 #
21) Endrin Ke...	8.842	9.558	8195164	5408744	59.378	67.319
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.707	0.000	12712	0	0.087	N.D. #
25) Oxychlordane	7.203	7.798	34679	5948	0.086	7645.581 #
26) 2,4'-DDE	7.267	7.995	7838677	5313091	78.534	85.317
27) trans-Non...	7.461	0.000	7707404	0	50.956	N.D. #
28) 2,4'-DDD	0.000	8.353	0	5811619	N.D.	107.739 #
29) 2,4'-DDT	7.833	8.581	17960	3265052	0.233	72.008 #
30) cis-Nonac...	7.954f	8.635	6583886	4575470	37.727	42.947
31) Mirex	8.597	9.558	48036	5408744	0.190	85.267 #
32) Chlordane...	7.364	7.995	7771282	5313091	432.450	423.479
33) Chlordane...	7.461	8.103	7707404	5323193	347.910	496.966 #
34) Chlordane...	8.053f	8.785	5866115	174111	1168.156	57.340 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.461	8.353	7707404	5811619	10411.558	6200.569 #
37) Toxaphene...	7.731	8.730f	8116579	4299352	5970.444	3774.247
38) Toxaphene...	8.053	8.730	5866115	4299352	2081.612	2563.666
39) Toxaphene...	8.264f	8.785	434856	174111	163.696	50.210 #
40) Toxaphene...	8.493f	8.968	2000305	4177209	1013.963	2326.002 #
41) Toxaphene...	8.597	9.345	48036	1426475	17.304	889.292 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 19:56
Operator : MJB
Sample : 0F10057-CCV5
Misc : A20E232, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:32:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 20:14
 Operator : MJB
 Sample : 0F10057-CCV6
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:33:03 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.298f	5.859	96961	3499	0.649	BelowCal #
22) S DCBP (S)	9.578f	10.407	16541	11855	30098.412	0.021 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.562	7.148	22970	13860	0.138	0.141
6) d-BHC	6.385	7.103	4496	5303	0.027	0.061 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.279	0.000	4437569	0	27.431	N.D. #
9) trans-Chl...	7.366	7.994	103166	3341756	0.606	30.918 #
10) cis-Chlor...	7.456	8.104	7177179	246527	44.879	2.282 #
11) Endosulfa...	0.000	8.171	0	19400	N.D.	0.208 #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.699f	8.369	201405	3211814	1.234	30.876 #
14) Endrin	7.929f	8.592	7883362	2142670	61.078	28.101 #
15) 4,4'-DDD	7.929f	8.628	7883362	5592544	60.807	77.334 #
16) Endosulfa...	0.000	8.732	0	8849	N.D.	0.111 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.350	8.971	24713	11226	0.036	BelowCal #
19) Endosulfa...	0.000	9.162	0	7622	N.D.	0.109 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.842	9.547	40820	3359413	0.296	41.812 #
23) Hexachlor...	3.101	3.520	8169780	6870806	50.120	51.272
24) Hexachlor...	5.709	6.316	6419532	3681067	44.127	55.510
25) Oxychlorane	7.196	7.784	6244063	4590481	48.296	54.668
26) 2,4'-DDE	7.279	7.994	4437569	3341756	44.673	54.495
27) trans-Non...	7.456	8.060	7177179	5100457	47.459	51.542
28) 2,4'-DDD	7.654	8.369	4149246	3211814	45.331	60.501 -2-11
29) 2,4'-DDT	7.836	8.592	3010940	2142670	39.031 R-31	47.255
30) cis-Nonac...	7.929	8.628	7883362	5592544	45.174	52.606
31) Mirex	8.596	9.547	4918476	3359413	49.756	52.455
32) Chlordane...	7.366	7.994	103166	3341756	5.741	266.354 #
33) Chlordane...	7.456	8.104	7177179	246527	323.976	23.015 #
34) Chlordane...	0.000	8.787	0	154806	N.D.	50.983 #
35) Chlordane...	0.000	3.931	0	3580	N.D.	NoCal
36) Toxaphene...	7.456	8.369f	7177179	3211814	9695.303	3426.768 #
37) Toxaphene...	0.000	8.732f	0	8849	N.D.	7.768 #
38) Toxaphene...	0.000	8.732	0	8849	N.D.	5.277 #
39) Toxaphene...	8.262f	8.787	258868	154806	92.608	41.907 #
40) Toxaphene...	0.000	8.971	0	11226	N.D.	2.936 #
41) Toxaphene...	8.596	9.389f	4918476	1474	1771.782	0.919 #
42) Toxaphene...	0.000	3.931	0	3580	N.D.	NoCal

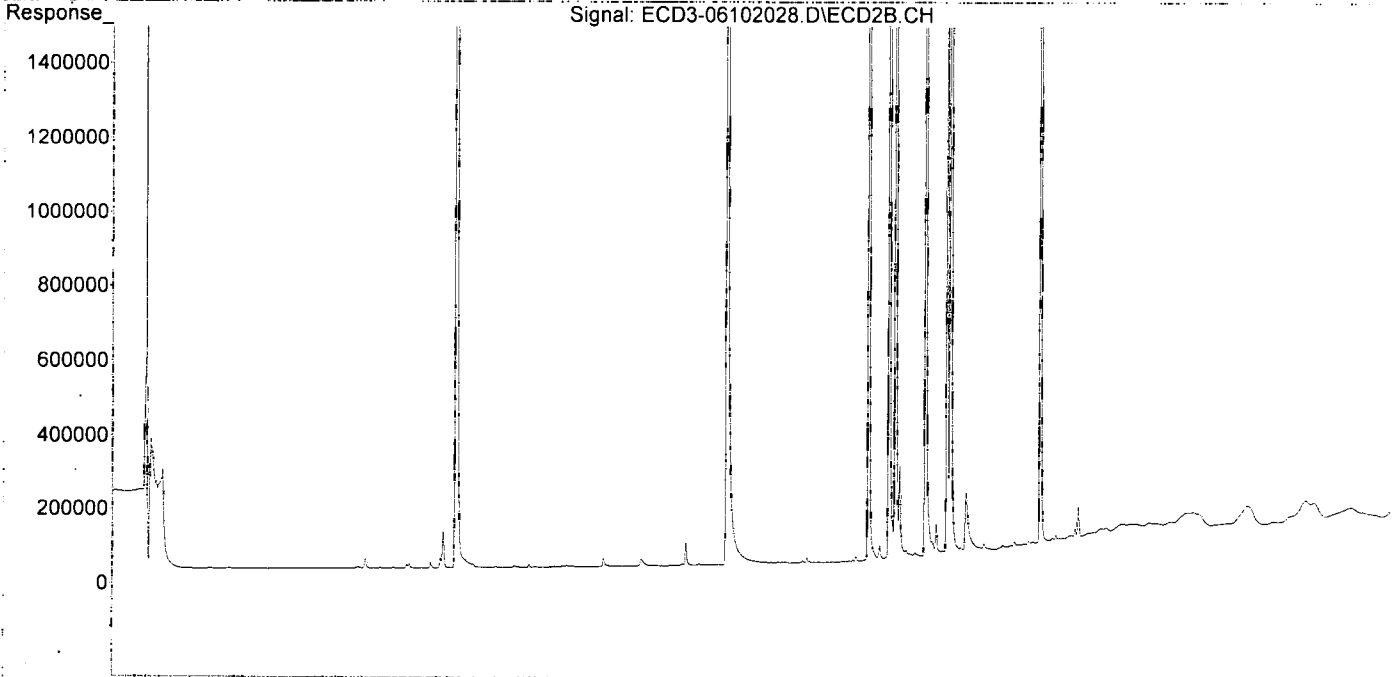
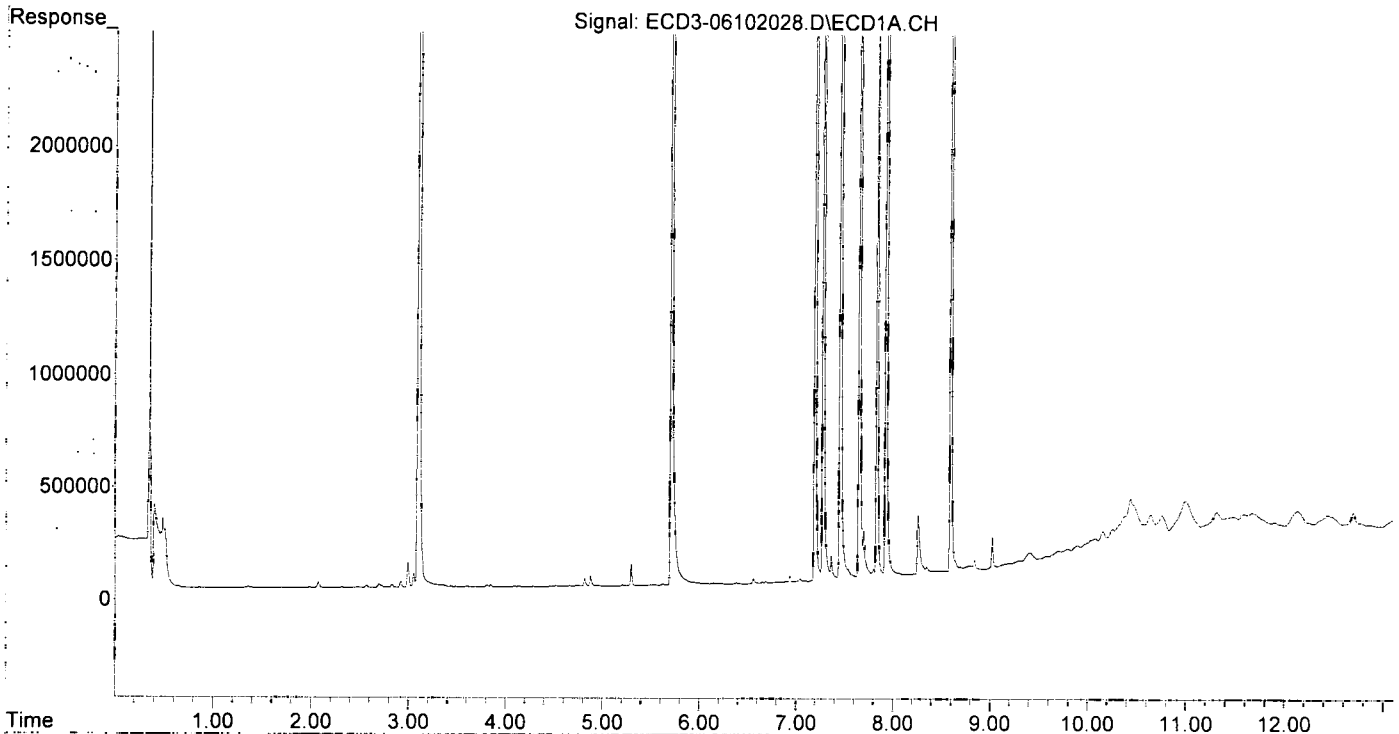
MJB
hant

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 20:14
Operator : MJB
Sample : 0F10057-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:33:03 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
 Data File : ECD3-06102029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2020 20:31
 Operator : MJB
 Sample : 0F10057-CCB3
 Misc : A20F087
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 11:33:08 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/11/20

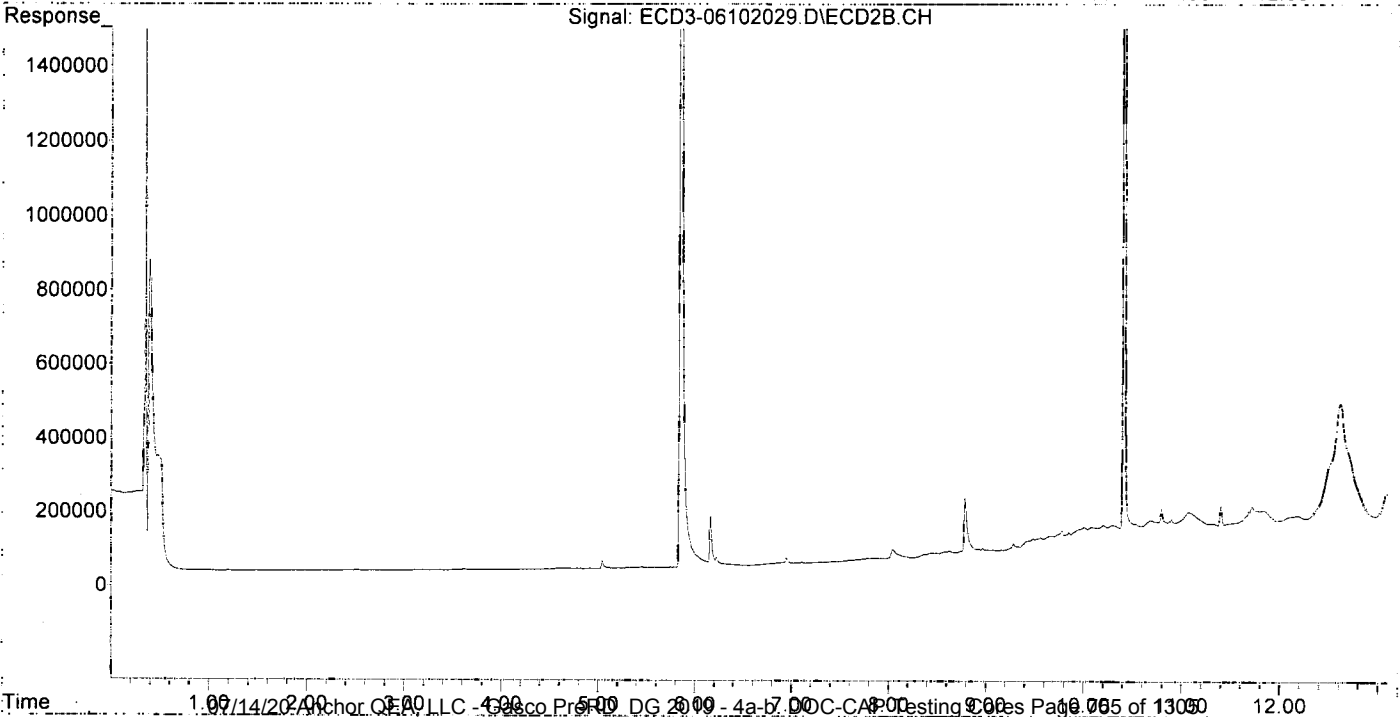
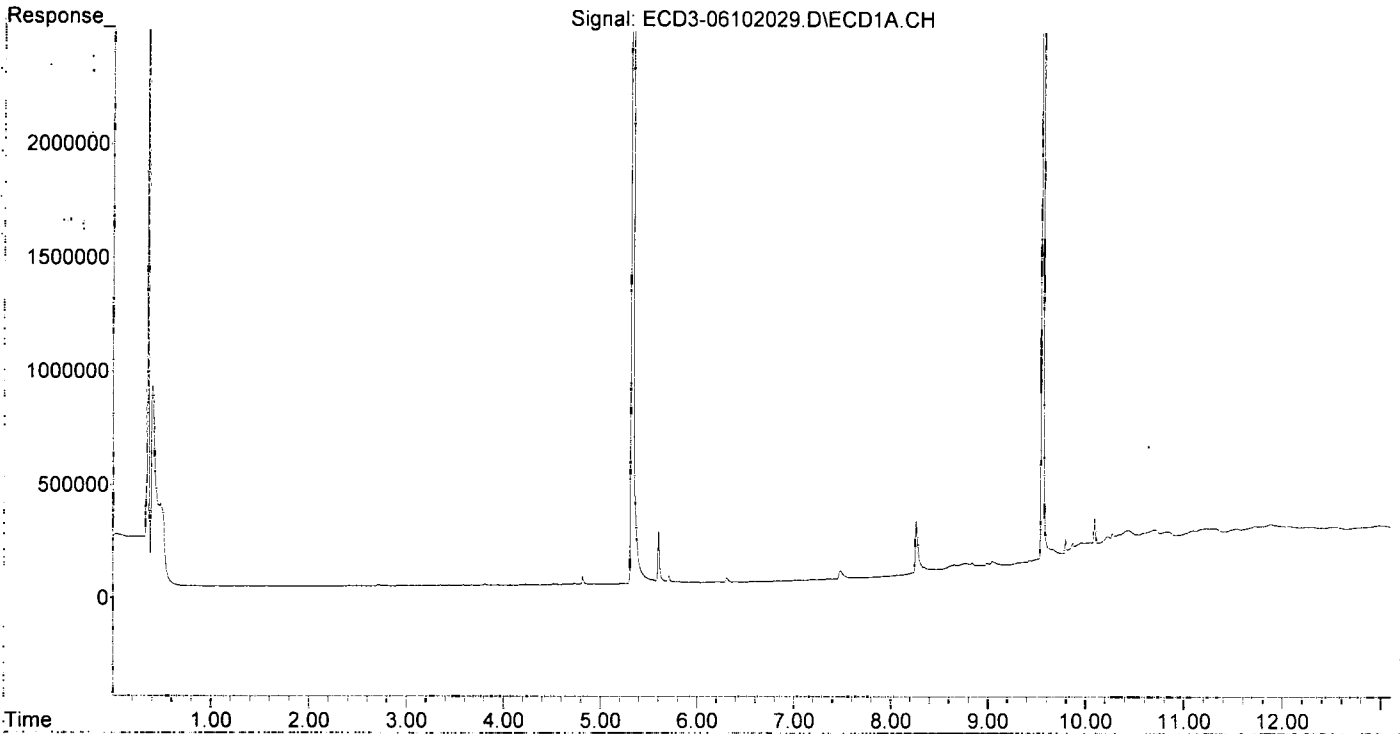
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.326	5.846	13489349	7953546	90.229	110.913
22) S DCBP (S)	9.555	10.410	10919729	6840025	97.808	102.665
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	7.857	0	909	N.D.	0.009 #
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	7.480	0.000	35564	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	8.372	0	6681	N.D.	0.064 #
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	8.628	0	9327	N.D.	0.129 #
16) Endosulfa...	0.000	8.735	0	5980	N.D.	0.075 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.351	8.971	15426	7471	6984.949	BelowCal #
19) Endosulfa...	8.652	0.000	10665	0	0.085	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.838	9.563	10272	11738	0.074	0.146 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.709	0.000	28751	0	0.198	N.D. #
25) Oxychlorane	0.000	7.783	0	2035	N.D.	7645.627 #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	7.480f	8.044	35564	23917	BelowCal	6236.523
28) 2,4'-DDD	7.657	8.372	1688	6681	0.018	BelowCal #
29) 2,4'-DDT	0.000	8.628f	0	9327	N.D.	0.206 #
30) cis-Nonac...	0.000	8.628	0	9327	N.D.	7106.684 #
31) Mirex	0.000	9.563	0	11738	N.D.	4424.951 #
32) Chlordane...	0.000	8.044f	0	23917	N.D.	1.906 #
33) Chlordane...	7.480	0.000	35564	0	1.605	N.D. #
34) Chlordane...	0.000	8.787	0	146756	N.D.	48.332 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.480f	8.372f	35564	6681	48.042	7.128 #
37) Toxaphene...	0.000	8.735f	0	5980	N.D.	5.250 #
38) Toxaphene...	0.000	8.735	0	5980	N.D.	3.566 #
39) Toxaphene...	8.263f	8.787	228578	146756	80.286	38.436 #
40) Toxaphene...	0.000	8.971	0	7471	N.D.	0.358 #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F10057\
Data File : ECD3-06102029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2020 20:31
Operator : MJB
Sample : 0F10057-CCB3
Misc : A20F087
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 11:33:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Calibration Data**

Sequence 0F06006 (Cal ID A0F0805) DualECD3



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0F06006**

Instrument: **DUALECD3**

Date: **06/06/20 14:29**

Calibration: **A0F0805**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F06006-BKD1	Water	QC	QC				A20E203
2	0F06006-BKD2	Water	QC	QC				A20E203
3	0F06006-ICB1	Water	QC	QC				A20F087
4	0F06006-CAL1	Water	QC	QC				A20F080
5	0F06006-CAL2	Water	QC	QC				A20F081
6	0F06006-CAL3	Water	QC	QC				A20C179
7	0F06006-CAL4	Water	QC	QC				A20C180
8	0F06006-CAL5	Water	QC	QC				A20C181
9	0F06006-CAL6	Water	QC	QC				A20C182
10	0F06006-CAL7	Water	QC	QC				A20E232
11	0F06006-CAL8	Water	QC	QC				A20E233
12	0F06006-CAL9	Water	QC	QC				A20C177
13	0F06006-IBL1	Water	QC	QC				
14	0F06006-ICV1	Water	QC	QC				A20C164
15	0F06006-CALA	Water	QC	QC				A20F082
16	0F06006-CALB	Water	QC	QC				A20C353
17	0F06006-CALC	Water	QC	QC				A20C354
18	0F06006-CALD	Water	QC	QC				A20C355
19	0F06006-CALE	Water	QC	QC				A20C356
20	0F06006-CALF	Water	QC	QC				A20C357
21	0F06006-CALG	Water	QC	QC				A20C358
22	0F06006-CALH	Water	QC	QC				A20C359
23	0F06006-CALI	Water	QC	QC				A20C352
24	0F06006-IBL2	Water	QC	QC				
25	0F06006-ICV2	Water	QC	QC				A20C360
26	0F06006-CALJ	Water	QC	QC				A20F083
27	0F06006-CALK	Water	QC	QC				A20F057
28	0F06006-CALL	Water	QC	QC				A20F058
29	0F06006-CALM	Water	QC	QC				A20F059
30	0F06006-CALN	Water	QC	QC				A20F060
31	0F06006-CALO	Water	QC	QC				A20F061
32	0F06006-CALP	Water	QC	QC				A20F056
33	0F06006-IBL3	Water	QC	QC				
34	0F06006-ICV3	Water	QC	QC				A20F062
35	0F06006-CALQ	Water	QC	QC				A20F084
36	0F06006-CALR	Water	QC	QC				A20F064
37	0F06006-CALS	Water	QC	QC				A20F065
38	0F06006-CALT	Water	QC	QC				A20F066
39	0F06006-CALU	Water	QC	QC				A20D430
40	0F06006-CALV	Water	QC	QC				A20D431
41	0F06006-CALW	Water	QC	QC				A20F063
42	0F06006-IBL4	Water	QC	QC				
43	0F06006-ICV4	Water	QC	QC				A20F067

Comments: 1 CAL

Data Entered By/Date: MJB 6/8/20

Data Reviewed By/Date: MJB 6/9/20

Calibration Status Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200606.M
 Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response Via : Initial Calibration

MJB
 6/8/20
~~AD~~
 AD F0805

MJB
 6/8/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062038.D
2	2	50	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062039.D
3	3	100	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062040.D
4	4	200	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062041.D
5	5	500	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062042.D
6	6	1000	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062043.D
7	7	2000	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062044.D
8	8	-1	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062025.D
9	9	-1	0	C:\msdchem\3\data\2020-06\0F06006\ECD3-06062026.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jun 07 13:17 2020	Jun 07 13:08 2020	07 Jun 2020 2:03
2	2	Jun 07 13:18 2020	Jun 07 13:09 2020	07 Jun 2020 2:20
3	3	Jun 07 13:18 2020	Jun 07 13:09 2020	07 Jun 2020 2:37
4	4	Jun 07 13:18 2020	Jun 07 13:11 2020	07 Jun 2020 2:55
5	5	Jun 07 13:18 2020	Jun 07 13:03 2020	07 Jun 2020 3:12
6	6	Jun 07 13:18 2020	Jun 07 13:12 2020	07 Jun 2020 3:29
7	7	Jun 07 13:18 2020	Jun 07 13:13 2020	07 Jun 2020 3:46
8	8	Jun 07 13:16 2020	Jun 07 12:53 2020	06 Jun 2020 22:21
9	9	Jun 07 13:16 2020	Jun 07 12:54 2020	06 Jun 2020 22:38

ECD3_QUANTPEST_200606.M Mon Jun 08 16:09:21 2020

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200606.M
 Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD3-06062038.D 2 =ECD3-06062039.D 3 =ECD3-06062040.D 4 =ECD3-06062041.D 5 =ECD3-06062042.D
 6 =ECD3-06062043.D 7 =ECD3-06062044.D 8 =ECD3-06062025.D 9 =ECD3-06062026.D

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD	
1) S TCMX (S)	1.643	1.567	1.430	1.438	1.405	1.459	1.483	1.502	1.526	1.495	E5	5.03
2) a-BHC	2.214	2.148	2.024	2.073	2.088	2.090	2.175	2.195	2.183	2.132	E5	3.07
3) g-BHC	1.901	1.892	1.771	1.772	1.833	1.823	1.853	1.921	1.928	1.855	E5	3.22
4) b-BHC	8.730	8.463	7.867	7.603	7.431	7.394	7.526	7.999	8.084	7.900	E4	5.93
5) Heptachlor	1.896	1.791	1.640	1.631	1.559	1.573	1.558	1.639	1.686	1.664	E5	6.83
6) d-BHC	1.664	1.665	1.584	1.546	1.632	1.620	1.691	1.815	1.814	1.670	E5	5.56
7) Aldrin	1.948	1.863	1.794	1.835	1.819	1.807	1.798	1.825	1.827	1.835	E5	2.56
8) Heptachlor Exp...	1.796	1.696	1.578	1.625	1.611	1.544	1.548	1.592	1.570	1.618	E5	5.03
9) trans-Chlordane	1.988	1.804	1.671	1.638	1.614	1.584	1.654	1.693	1.687	1.704	E5	7.23
10) cis-Chlordane	2.567	2.143	1.790	1.674	1.634	1.573	1.618	1.621	1.634	1.806	E5	18.51
11) Endosulfan I	1.667	1.586	1.549	1.488	1.448	1.442	1.433	1.410	1.491	1.501	E5	5.60
12) 4,4'-DDE	1.716	1.639	1.537	1.525	1.604	1.614	1.657	1.680	1.713	1.632	E5	4.25
13) Dieldrin	1.689	1.640	1.587	1.617	1.591	1.622	1.595	1.659	1.685	1.632	E5	2.39
14) Endrin	1.364	1.303	1.265	1.281	1.271	1.240	1.233	1.349	1.311	1.291	E5	3.50
15) 4,4'-DDD	1.379	1.279	1.238	1.245	1.251	1.295	1.268	1.336	1.377	1.296	E5	4.24
16) Endosulfan II	1.390	1.341	1.298	1.237	1.267	1.236	1.210	1.278	1.253	1.279	E5	4.45
17) 4,4'-DDT	1.035	0.979	0.858	0.944	0.911	1.028	1.044	1.162	1.218	1.020	E5	11.29
18) Endrin Aldehyde	1.378	1.322	1.184	1.046	1.012	0.988	0.964	1.019	1.000	1.101	E5	14.07
19) Endosulfan Sul...	1.428	1.328	1.258	1.208	1.199	1.176	1.179	1.286	1.235	1.255	E5	6.54
20) Methoxychlor	5.655	5.531	4.917	5.091	4.698	5.079	4.974	5.532	5.919	5.266	E4	7.70
21) Endrin Ketone	1.497	1.458	1.338	1.335	1.279	1.320	1.340	1.410	1.444	1.380	E5	5.38
22) S DCBP (S)	1.473	1.343	1.202	1.141	1.154	1.084	1.140	1.125	1.107	1.197	E5	10.75
23) Hexachlorobuta...	2.318	2.118	1.836	1.666	1.689	1.612	1.538	1.627	1.679	1.787	E5	14.66
24) Hexachlorobenzene	1.745	1.642	1.411	1.306	1.361	1.412	1.322	1.415	1.479	1.455	E5	10.13
25) Oxychlordane	1.691	1.643	1.451	1.251	1.317	1.329	1.207	1.300	1.315	1.389	E5	12.32
26) 2,4'-DDE	1.306	1.215	1.065	0.959	1.020	1.035	0.957	0.997	1.027	1.065	E5	11.15
27) trans-Nonachlor	2.909	2.153	1.809	1.605	1.580	1.571	1.470	1.544	1.551	1.799	E5	25.85
28) 2,4'-DDD	1.054	1.055	0.925	0.854	0.857	0.899	0.823	0.870	0.901	0.915	E5	9.21
29) 2,4'-DDT	9.375	7.821	7.330	6.566	7.120	7.686	7.516	8.017	7.997	7.714	E4	10.04
30) cis-Nonachlor	2.066	2.009	1.793	1.635	1.656	1.681	1.584	1.645	1.638	1.745	E5	10.05
31) Mirex	1.513	1.377	1.181	0.998	1.022	1.007	0.913	0.969	1.001	1.109	E5	18.60
32) Chlordane (1)	1.974	1.760	1.782	1.740	1.733	1.760	1.830			1.797	E4	4.69
33) Chlordane (2)	2.734	2.160	2.138	2.156	2.084	2.094	2.141			2.215	E4	10.41
34) Chlordane (3)	5.409	4.675	4.906	4.813	4.838	5.125	5.386			5.022	E3	5.78
35) Chlordane - AVE										0.000		-1.00
36) Toxaphene (1)	9.023	7.014	6.733	7.063	7.294	7.201	7.491			7.403	E2	10.17
37) Toxaphene (2)	1.385	1.357	1.348	1.319	1.345	1.382	1.380			1.359	E3	1.79
38) Toxaphene (3)	2.892	2.643	2.649	2.682	2.897	2.880	3.084			2.818	E3	5.86
39) Toxaphene (4)	5.707	3.066	2.765	2.606	2.634	2.685	2.839			3.186	E3	35.23
40) Toxaphene (5)	2.074	1.763	1.827	1.807	1.989	2.081	2.269			1.973	E3	9.31
41) Toxaphene (6)	3.047	2.567	2.548	2.593	2.762	2.844	3.072			2.776	E3	7.99
42) Toxaphene - AVE										0.000		-1.00

WB
6/8/20

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200606.M
 Title : Instrument: DualECD3

Signal #2 Calibration Files

1 =ECD3-06062038.D 2 =ECD3-06062039.D 3 =ECD3-06062040.D
 4 =ECD3-06062041.D 5 =ECD3-06062042.D 6 =ECD3-06062043.D

Compound	1	2	3	4	5	6	Avg	%RSD				
44) S TCMX (S) #2	8.406	7.194	6.252	6.186	6.171	6.657	6.979	7.339	7.760	6.994	E4	11.00
45) a-BHC #2	1.254	1.232	1.178	1.247	1.214	1.264	1.250	1.274	1.265	1.242	E5	2.41
46) g-BHC #2	1.146	1.136	1.052	1.092	1.082	1.110	1.122	1.149	1.145	1.115	E5	3.04
47) b-BHC #2	4.895	4.743	4.266	4.210	4.136	4.305	4.392	4.678	4.941	4.507	E4	6.85
48) Heptachlor #2	1.048	1.015	0.946	0.962	0.919	0.958	0.961	1.056	1.010	0.986	E5	4.83
49) d-BHC #2	0.851	0.803	0.765	0.803	0.846	0.879	0.917	0.972	1.011	0.872	E5	9.40
50) Aldrin #2	1.199	1.194	1.183	1.206	1.196	1.201	1.208	1.220	1.138	1.194	E5	1.95
51) Heptachlor Exp...	1.139	1.109	1.070	1.042	1.036	1.026	1.031	1.048	0.999	1.055	E5	4.14
52) trans-Chlordan...	1.206	1.122	1.013	1.060	1.046	1.072	1.080	1.079	1.049	1.081	E5	5.13
53) cis-Chlordane #2	1.295	1.166	1.048	1.046	1.053	1.009	1.040	1.045	1.020	1.080	E5	8.55
54) Endosulfan I #2	1.004	0.994	0.923	0.913	0.916	0.899	0.896	0.945	0.896	0.932	E5	4.42
55) 4,4'-DDE #2	9.194	9.376	8.871	9.427	8.833	9.178	9.474	9.787	9.324	9.324	E4	3.67
56) Dieldrin #2	1.088	1.070	0.984	0.999	1.034	1.015	1.043	1.067	1.063	1.040	E5	3.40
57) Endrin #2	7.786	7.952	7.241	7.402	7.158	7.515	7.367	8.057	8.146	7.625	E4	4.83
58) 4,4'-DDD #2	7.571	7.144	6.915	6.905	6.863	7.029	7.208	7.544	7.908	7.232	E4	5.04
59) Endosulfan II #2	8.705	8.108	7.740	7.594	7.532	7.926	7.719	8.290	7.974	7.954	E4	4.68
60) 4,4'-DDT #2	6.464	5.644	4.501	4.756	4.715	5.434	5.641	6.575	6.898	5.625	E4	15.54
61) Endrin Aldehyd...	8.710	8.264	7.482	6.531	6.708	6.438	6.656	6.856	6.704	7.150	E4	11.49
62) Endosulfan Sul...	7.554	7.013	6.611	6.556	6.381	6.842	7.103	7.584	7.503	7.016	E4	6.50
63) Methoxychlor #2	2.706	2.662	2.347	2.313	2.238	2.568	2.580	3.200	3.403	2.668	E4	14.85
64) Endrin Ketone #2	8.923	8.451	7.339	7.499	7.391	7.779	7.947	8.564	8.416	8.035	E4	7.16
65) S DCBP (S) #2	8.627	8.325	6.934	6.936	6.924	6.599	6.600	6.892	6.509	7.150	E4	10.82
66) Hexachlorobuta...	1.937	1.808	1.563	1.426	1.421	1.349	1.264	1.271	1.232	1.475	E5	16.92
67) Hexachlorobenz...	8.244	7.535	6.454	5.862	6.265	6.972	6.712	7.079	7.628	6.972	E4	10.69
68) Oxychlordane #2	1.158	1.077	0.945	0.822	0.864	0.873	0.807	0.837	0.825	0.912	E5	13.69
69) 2,4'-DDE #2	9.849	7.627	6.525	6.206	6.122	6.494	6.160	6.335	6.530	6.872	E4	17.54
70) trans-Nonachlo...	1.644	1.360	1.157	1.015	1.040	1.016	0.969	0.991	0.958	1.128	E5	20.47
71) 2,4'-DDD #2	6.910	6.681	5.639	5.212	5.246	5.284	5.224	5.351	5.604	5.683	E4	11.48
72) 2,4'-DDT #2	5.222	4.532	4.075	3.786	4.211	4.547	4.529	4.948	4.960	4.534	E4	10.17
73) cis-Nonachlor #2	1.426	1.331	1.154	1.063	1.074	1.106	1.053	1.050	1.040	1.144	E5	12.19
74) Mirex #2	9.776	8.743	7.641	6.469	6.712	6.462	6.119	6.266	6.264	7.161	E4	18.09
75) Chlordane (1) #2	1.386	1.190	1.253	1.241	1.279	1.222	1.210			1.255	E4	5.17
76) Chlordane (2) #2	1.268	1.057	1.023	1.045	1.067	1.036	1.002			1.071	E4	8.33
77) Chlordane (3) #2	3.286	2.817	2.907	2.967	2.988	3.082	3.209			3.036	E3	5.48
78) Chlordane - AV...										0.000		-1.00
79) Toxaphene (1) #2	8.971	9.753	9.329	8.943	9.416	9.287	9.910			9.373	E2	3.87
80) Toxaphene (2) #2	1.184	1.081	1.097	1.061	1.130	1.167	1.254			1.139	E3	5.91
81) Toxaphene (3) #2	1.856	1.567	1.606	1.582	1.643	1.670	1.814			1.677	E3	6.80
82) Toxaphene (4) #2	8.178	3.155	2.848	2.753	2.826	2.915	3.050			3.675	E3	54.16
83) Toxaphene (5) #2	2.154	1.595	1.565	1.451	1.599	1.611	1.739			1.674	E3	13.62
84) Toxaphene (6) #2	1.779	1.457	1.474	1.453	1.555	1.684	1.827			1.604	E3	9.86
85) Toxaphene - AV...										0.000		-1.00

#) = Out of Range

Calibration Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200606.M
 Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD3-06062038 2 =ECD3-06062039 3 =ECD3-06062040 4 =ECD3-06062041 5 =ECD3-06062042
 6 =ECD3-06062043 7 =ECD3-06062044 8 =ECD3-06062025 9 =ECD3-06062026

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	1.4950 e5	-----	0.0503
2)	a-BHC	Avg	-----	2.1322 e5	-----	0.0307
3)	g-BHC	Avg	-----	1.8549 e5	-----	0.0322
4)	b-BHC	Avg	-----	7.8996 e4	-----	0.0593
5)	Heptachlor	Avg	-----	1.6637 e5	-----	0.0683
6)	d-BHC	Avg	-----	1.6701 e5	-----	0.0556
7)	Aldrin	Avg	-----	1.8352 e5	-----	0.0256
8)	Heptachlor Epoxide	Avg	-----	1.6177 e5	-----	0.0503
9)	trans-Chlordane	Avg	-----	1.7037 e5	-----	0.0723
10)	cis-Chlordane	Quad	5.0725 e4	1.5735 e5	3.2071 e1	0.9995
11)	Endosulfan I	Avg	-----	1.5014 e5	-----	0.0560
12)	4,4'-DDE	Avg	-----	1.6316 e5	-----	0.0425
13)	Dieldrin	Avg	-----	1.6316 e5	-----	0.0239
14)	Endrin	Avg	-----	1.2907 e5	-----	0.0350
15)	4,4'-DDD	Avg	-----	1.2965 e5	-----	0.0424
16)	Endosulfan II	Avg	-----	1.2788 e5	-----	0.0445
17)	4,4'-DDT	Quad	4.2258 e3	9.2852 e4	1.6693 e2	0.9968
18)	Endrin Aldehyde	Quad	2.1008 e4	1.0173 e5	-1.4565 e1	0.9966
19)	Endosulfan Sulfate	Avg	-----	1.2552 e5	-----	0.0654
20)	Methoxychlor	Avg	-----	5.2662 e4	-----	0.0770
21)	Endrin Ketone	Avg	-----	1.3802 e5	-----	0.0538
22) S	DCBP (S)	Quad	1.8580 e4	1.1182 e5	-3.7151	0.9994
23)	Hexachlorobutadiene	Quad	3.8506 e4	1.6133 e5	1.8068 e1	0.9981
24)	Hexachlorobenzene	Avg	-----	1.4548 e5	-----	0.1013
25)	Oxychlordane	Quad	2.3597 e4	1.2846 e5	6.9685	0.9964
26)	2,4'-DDE	Quad	1.7482 e4	9.8088 e4	1.9132 e1	0.9982
27)	trans-Nonachlor	Quad	7.0403 e4	1.4798 e5	3.7242 e1	0.9994
28)	2,4'-DDD	Avg	-----	9.1532 e4	-----	0.0921
29)	2,4'-DDT	Avg	-----	7.7142 e4	-----	0.1004
30)	cis-Nonachlor	Avg	-----	1.7451 e5	-----	0.1005
31)	Mirex	Quad	2.9283 e4	9.8500 e4	-4.7522	0.9959
32)	Chlordane (1)	Avg	-----	1.7970 e4	-----	0.0469
33)	Chlordane (2)	Avg	-----	2.2153 e4	-----	0.1041
34)	Chlordane (3)	Avg	-----	5.0217 e3	-----	0.0578
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	7.4027 e2	-----	0.1017
37)	Toxaphene (2)	Avg	-----	1.3595 e3	-----	0.0179
38)	Toxaphene (3)	Avg	-----	2.8181 e3	-----	0.0586
39)	Toxaphene (4)	Quad	3.2776 e4	2.4220 e3	0.2094	0.9999
40)	Toxaphene (5)	Avg	-----	1.9728 e3	-----	0.0931
41)	Toxaphene (6)	Avg	-----	2.7760 e3	-----	0.0799
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

MJB
6/8/20

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Quad	1.0761 e4	6.1200 e4	9.3881 e1	0.9979
2)	a-BHC	Avg	-----	1.2420 e5	-----	0.0241
3)	g-BHC	Avg	-----	1.1150 e5	-----	0.0304
4)	b-BHC	Avg	-----	4.5073 e4	-----	0.0685
5)	Heptachlor	Avg	-----	9.8607 e4	-----	0.0483
6)	d-BHC	Avg	-----	1.1880 e5	-----	0.0483
7)	Aldrin	Avg	-----	1.1939 e5	-----	0.0195

8)	Heptachlor Epoxide	Avg	-----	1.0552	e5	-----	0.0414	
9)	trans-Chlordane	Avg	-----	1.0808	e5	-----	0.0513	
10)	cis-Chlordane	Avg	-----	1.0802	e5	-----	0.0855	
11)	Endosulfan I	Avg	-----	9.3181	e4	-----	0.0442	
12)	4,4'-DDE	Avg	-----	9.3242	e4	-----	0.0367	
13)	Dieldrin	Avg	-----	1.0402	e5	-----	0.0340	
14)	Endrin	Avg	-----	7.6248	e4	-----	0.0483	
15)	4,4'-DDD	Avg	-----	7.2317	e4	-----	0.0504	
16)	Endosulfan II	Avg	-----	7.9542	e4	-----	0.0468	
17)	4,4'-DDT	Quad	8.0409	e3	4.7220	e4	1.2740 e2	0.9938
18)	Endrin Aldehyde	Quad	1.1814	e4	6.6128	e4	6.5098	0.9980
19)	Endosulfan Sulfate	Avg	-----	7.0165	e4	-----	0.0650	
20)	Methoxychlor	Quad	2.1411	e3	2.3086	e4	6.1215 e1	0.9966
21)	Endrin Ketone	Avg	-----	8.0345	e4	-----	0.0716	
22) S	DCBP (S)	Quad	1.0418	e4	6.7372	e4	-8.2644	0.9980
23)	Hexachlorobutadiene	Quad	3.1082	e4	1.3805	e5	-9.0662 e1	0.9975
24)	Hexachlorobenzene	Quad	1.0519	e4	6.1734	e4	7.9084 e1	0.9970
25)	Oxychlordane	Quad	1.7261	e4	8.4257	e4	-1.1021 e1	0.9977
26)	2,4'-DDE	Quad	1.8859	e4	5.9071	e4	3.4965 e1	0.9984
27)	trans-Nonachlor	Quad	3.3358	e4	9.9129	e4	-1.5895 e1	0.9993
28)	2,4'-DDD	Quad	9.8420	e3	5.1739	e4	1.9596 e1	0.9979
29)	2,4'-DDT	Avg	-----	4.5343	e4	-----	0.1017	
30)	cis-Nonachlor	Quad	1.9374	e4	1.0673	e5	-1.5019 e1	0.9987
31)	Mirex	Quad	1.8084	e4	6.4463	e4	-1.4568 e1	0.9975
32)	Chlordane (1)	Avg	-----	1.2546	e4	-----	0.0517	
33)	Chlordane (2)	Avg	-----	1.0711	e4	-----	0.0833	
34)	Chlordane (3)	Avg	-----	3.0364	e3	-----	0.0548	
35)	Chlordane - AVE	Avg	-----	-----	-----	-----	0.0000	
36)	Toxaphene (1)	Avg	-----	9.3727	e2	-----	0.0387	
37)	Toxaphene (2)	Avg	-----	1.1391	e3	-----	0.0591	
38)	Toxaphene (3)	Avg	-----	1.6770	e3	-----	0.0680	
39)	Toxaphene (4)	Quad	5.8281	e4	2.2854	e3	0.4288	0.9945
40)	Toxaphene (5)	Quad	6.9497	e3	1.4562	e3	0.1448	0.9993
41)	Toxaphene (6)	Avg	-----	1.6041	e3	-----	0.0986	
42)	Toxaphene - AVE	Avg	-----	-----	-----	-----	0.0000	

ECD3_QUANTPEST_200606.M Mon Jun 08 16:09:38 2020

Compound List Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200606.M
 Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response Via : Initial Calibration

Total Cpnds : 85

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.332	1.000	A	H	R
2	a-BHC	5.873	1.000	A	H	R
3	g-BHC	6.157	1.000	A	H	R
4	b-BHC	6.233	1.000	A	H	R
5	Heptachlor	6.569	1.000	A	H	R
6	d-BHC	6.382	1.000	A	H	R
7	Aldrin	6.811	1.000	A	H	R
8	Heptachlor Epoxide	7.275	1.000	A	H	R
9	trans-Chlordane	7.370	1.000	A	H	R
10	cis-Chlordane	7.468	1.000	Q	H	R
11	Endosulfan I	7.565	1.000	A	H	R
12	4,4'-DDE	7.534	1.000	A	H	R
13	Dieldrin	7.739	1.000	A	H	R
14	Endrin	7.904	1.000	A	H	R
15	4,4'-DDD	7.958	1.000	A	H	R
16	Endosulfan II	8.061	1.000	A	H	R
17	4,4'-DDT	8.156	1.000	Q	H	R
18	Endrin Aldehyde	8.353	1.000	Q	H	R
19	Endosulfan Sulfate	8.656	1.000	A	H	R
20	Methoxychlor	8.496	1.000	A	H	R
21	Endrin Ketone	8.851	1.000	A	H	R
22	S DCBP (S)	9.560	1.000	Q	H	R
23	Hexachlorobutadiene	3.106	1.000	Q	H	R
24	Hexachlorobenzene	5.716	1.000	A	H	R
25	Oxychlordane	7.203	1.000	Q	H	R
26	2,4'-DDE	7.282	1.000	Q	H	R
27	trans-Nonachlor	7.460	1.000	Q	H	R
28	2,4'-DDD	7.657	1.000	A	H	R
29	2,4'-DDT	7.841	1.000	A	H	R
30	cis-Nonachlor	7.934	1.000	A	H	R
31	Mirex	8.603	1.000	Q	H	R
32	Chlordane (1)	7.372	1.000	A	H	R
33	Chlordane (2)	7.468	1.000	A	H	R
34	Chlordane (3)	8.018	1.000	A	H	R
35	Chlordane - AVE	3.978	1.000	A	H	R
36	Toxaphene (1)	7.446	1.000	A	H	R
37	Toxaphene (2)	7.742	1.000	A	H	R
38	Toxaphene (3)	8.055	1.000	A	H	R
39	Toxaphene (4)	8.297	1.000	Q	H	R
40	Toxaphene (5)	8.526	1.000	A	H	R
41	Toxaphene (6)	8.593	1.000	A	H	R
42	Toxaphene - AVE	3.981	1.000	A	H	R
43	Signal #2	3.951	1.000	A	H	R
44	S TCMX (S) #2	5.860	1.000	Q	H	R
45	a-BHC #2	6.470	1.000	A	H	R
46	g-BHC #2	6.789	1.000	A	H	R
47	b-BHC #2	6.857	1.000	A	H	R
48	Heptachlor #2	7.162	1.000	A	H	R
49	d-BHC #2	7.112	1.000	A	H	R
50	Aldrin #2	7.428	1.000	A	H	R
51	Heptachlor Epoxide #2	7.870	1.000	A	H	R
52	trans-Chlordane #2	8.011	1.000	A	H	R
53	cis-Chlordane #2	8.119	1.000	A	H	R
54	Endosulfan I #2	8.168	1.000	A	H	R
55	4,4'-DDE #2	8.222	1.000	A	H	R
56	Dieldrin #2	8.370	1.000	A	H	R

WB
6/8/20

57	Endrin #2	8.598	1.000	A	H	R
58	4,4'-DDD #2	8.651	1.000	A	H	R
59	Endosulfan II #2	8.746	1.000	A	H	R
60	4,4'-DDT #2	8.877	1.000	Q	H	R
61	Endrin Aldehyde #2	8.985	1.000	Q	H	R
62	Endosulfan Sulfate #2	9.178	1.000	A	H	R
63	Methoxychlor #2	9.360	1.000	Q	H	R
64	Endrin Ketone #2	9.577	1.000	A	H	R
65	S DCBP (S) #2	10.429	1.000	Q	H	R
66	Hexachlorobutadiene #2	3.529	1.000	Q	H	R
67	Hexachlorobenzene #2	6.331	1.000	Q	H	R
68	Oxychlorane #2	7.798	1.000	Q	H	R
69	2,4'-DDE #2	8.008	1.000	Q	H	R
70	trans-Nonachlor #2	8.074	1.000	Q	H	R
71	2,4'-DDD #2	8.383	1.000	Q	H	R
72	2,4'-DDT #2	8.607	1.000	A	H	R
73	cis-Nonachlor #2	8.642	1.000	Q	H	R
74	Mirex #2	9.565	1.000	Q	H	R
75	Chlordane (1) #2	8.009	1.000	A	H	R
76	Chlordane (2) #2	8.118	1.000	A	H	R
77	Chlordane (3) #2	8.781	1.000	A	H	R
78	Chlordane - AVE #2	3.949	1.000	A	H	R
79	Toxaphene (1) #2	8.346	1.000	A	H	R
80	Toxaphene (2) #2	8.697	1.000	A	H	R
81	Toxaphene (3) #2	8.730	1.000	A	H	R
82	Toxaphene (4) #2	8.797	1.000	Q	H	R
83	Toxaphene (5) #2	8.976	1.000	Q	H	R
84	Toxaphene (6) #2	9.356	1.000	A	H	R
85	Toxaphene - AVE #2	3.949	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

ECD3_QUANTPEST_200606.M Mon Jun 08 16:09:29 2020

Element Calibration Review Sheet

Calibration ID: A0F0805

Instrument: DUALECD3

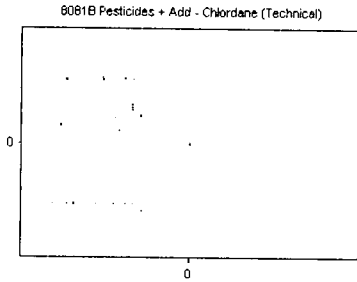
Calibration Date: 06/08/2020

Analysis: 8081B Pesticides + Add

Instrument Cal ID: ECD3_QUANTPEST_200601

Chlordane (Technical)

Curve Fit: AVERAGE RF

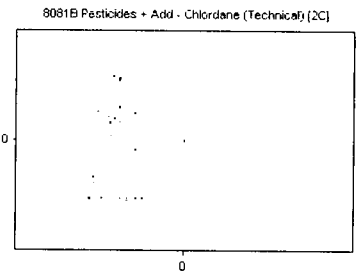


Standard	Concentration	Response	Response Factor	RT
0F06006-CALJ	40	0	0.000	0.00
0F06006-CALK	50	0	0.000	0.00
0F06006-CALL	100	0	0.000	0.00
0F06006-CALM	200	0	0.000	0.00
0F06006-CALN	500	0	0.000	0.00
0F06006-CALO	1000	0	0.000	0.00
0F06006-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Chlordane (Technical) [2C]

Curve Fit: AVERAGE RF

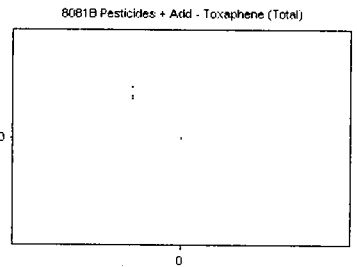


Standard	Concentration	Response	Response Factor	RT
0F06006-CALJ	40	0	0.000	0.00
0F06006-CALK	50	0	0.000	0.00
0F06006-CALL	100	0	0.000	0.00
0F06006-CALM	200	0	0.000	0.00
0F06006-CALN	500	0	0.000	0.00
0F06006-CALO	1000	0	0.000	0.00
0F06006-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Toxaphene (Total)

Curve Fit: AVERAGE RF

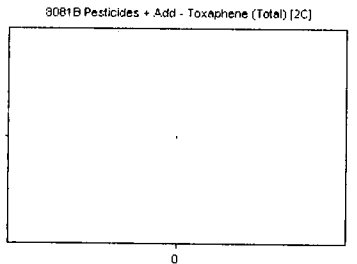


Standard	Concentration	Response	Response Factor	RT
0F06006-CALQ	40	0	0.000	0.00
0F06006-CALR	50	0	0.000	0.00
0F06006-CALS	100	0	0.000	0.00
0F06006-CALT	200	0	0.000	0.00
0F06006-CALU	500	0	0.000	0.00
0F06006-CALV	1000	0	0.000	0.00
0F06006-CALW	2000	0	0.000	0.00

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
0F06006-CALQ	40	0	0.000	0.00
0F06006-CALR	50	0	0.000	0.00
0F06006-CALS	100	0	0.000	0.00
0F06006-CALT	200	0	0.000	0.00
0F06006-CALU	500	0	0.000	0.00
0F06006-CALV	1000	0	0.000	0.00
0F06006-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: **A0F0805**

Instrument: **DUALECD3**

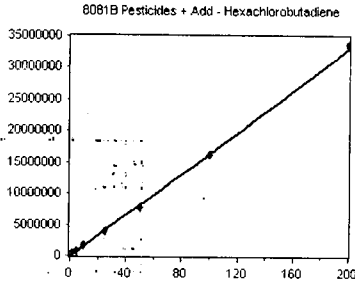
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

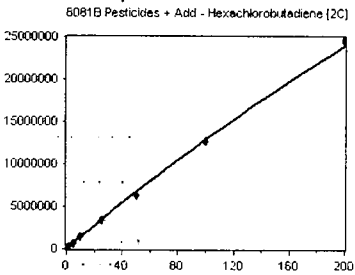


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	115920	231840.000	3.11
OF06006-CALB	1	211814	211814.000	3.11
OF06006-CALC	2	367181	183590.500	3.11
OF06006-CALD	5	832847	166569.400	3.11
OF06006-CALE	10	1688788	168878.800	3.11
OF06006-CALF	25	4029788	161191.500	3.11
OF06006-CALG	50	7689164	153783.300	3.11
OF06006-CALH	100	1.626857E+07	162685.700	3.11
OF06006-CALI	200	3.358825E+07	167941.200	3.11

AVE RF 178699.400 RF RSD 14.66 AVE RT 3.11

Hexachlorobutadiene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

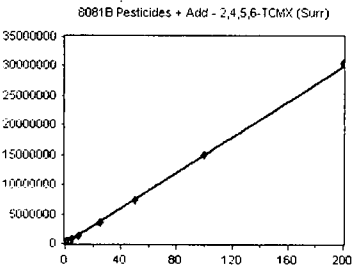


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	96859	193718.000	3.53
OF06006-CALB	1	180820	180820.000	3.53
OF06006-CALC	2	312519	156259.500	3.53
OF06006-CALD	5	712927	142585.400	3.53
OF06006-CALE	10	1421236	142123.600	3.53
OF06006-CALF	25	3373514	134940.600	3.53
OF06006-CALG	50	6321143	126422.900	3.53
OF06006-CALH	100	1.271382E+07	127138.200	3.53
OF06006-CALI	200	2.464115E+07	123205.800	3.53

AVE RF 147468.200 RF RSD 16.92 AVE RT 3.53

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

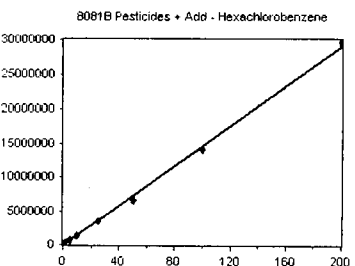


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	82172	164344.000	5.33
OF06006-CAL2	1	156739	156739.000	5.33
OF06006-CAL3	2	286095	143047.500	5.33
OF06006-CAL4	5	719246	143849.200	5.33
OF06006-CAL5	10	1404797	140479.700	5.33
OF06006-CAL6	25	3647612	145904.500	5.33
OF06006-CAL7	50	7416036	148320.700	5.33
OF06006-CAL8	100	1.502141E+07	150214.100	5.33
OF06006-CAL9	200	3.052194E+07	152609.700	5.33

AVE RF 149500.900 RF RSD 5.03 AVE RT 5.33

Hexachlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	87273	174546.000	5.72
OF06006-CALB	1	164190	164190.000	5.72
OF06006-CALC	2	282243	141121.500	5.72
OF06006-CALD	5	653214	130642.800	5.72
OF06006-CALE	10	1360540	136054.000	5.72
OF06006-CALF	25	3529381	141175.200	5.72
OF06006-CALG	50	6611662	132233.200	5.72
OF06006-CALH	100	1.414802E+07	141480.200	5.72
OF06006-CALI	200	2.957374E+07	147868.700	5.72

AVE RF 145479.100 RF RSD 10.13 AVE RT 5.72

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

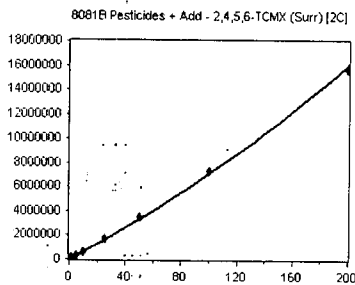
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

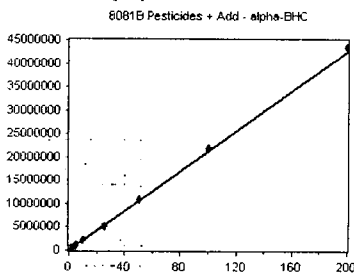


Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	42032	84064.000	5.86
0F06006-CAL2	1	71943	71943.000	5.86
0F06006-CAL3	2	125033	62516.500	5.87
0F06006-CAL4	5	309275	61855.000	5.86
0F06006-CAL5	10	617071	61707.100	5.86
0F06006-CAL6	25	1664359	66574.360	5.86
0F06006-CAL7	50	3489590	69791.800	5.86
0F06006-CAL8	100	7338753	73387.530	5.86
0F06006-CAL9	200	1.552074E+07	77603.700	5.86

AVE RF 69938.110 RF RSD 11.00 AVE RT 5.86

alpha-BHC

Curve Fit: **AVERAGE RF**

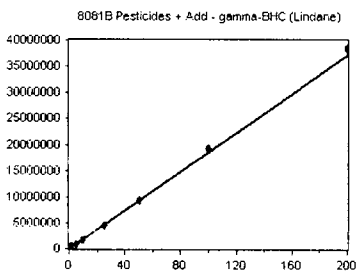


Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	110705	221410.000	5.87
0F06006-CAL2	1	214757	214757.000	5.87
0F06006-CAL3	2	404713	202356.500	5.87
0F06006-CAL4	5	1036725	207345.000	5.87
0F06006-CAL5	10	2088331	208833.100	5.87
0F06006-CAL6	25	5223830	208953.200	5.87
0F06006-CAL7	50	1.087599E+07	217519.800	5.87
0F06006-CAL8	100	2.195197E+07	219519.700	5.87
0F06006-CAL9	200	4.365273E+07	218263.600	5.87

AVE RF 213217.500 RF RSD 3.07 AVE RT 5.87

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

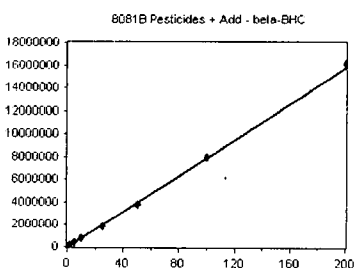


Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	95070	190140.000	6.15
0F06006-CAL2	1	189207	189207.000	6.16
0F06006-CAL3	2	354194	177097.000	6.16
0F06006-CAL4	5	885966	177193.200	6.16
0F06006-CAL5	10	1833222	183322.200	6.16
0F06006-CAL6	25	4557686	182307.400	6.16
0F06006-CAL7	50	9264067	185281.300	6.16
0F06006-CAL8	100	1.920762E+07	192076.200	6.16
0F06006-CAL9	200	3.855439E+07	192772.000	6.16

AVE RF 185488.500 RF RSD 3.22 AVE RT 6.16

beta-BHC

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	43648	87296.000	6.23
0F06006-CAL2	1	84630	84630.000	6.23
0F06006-CAL3	2	157330	78665.000	6.24
0F06006-CAL4	5	380135	76027.000	6.23
0F06006-CAL5	10	743116	74311.600	6.24
0F06006-CAL6	25	1848393	73935.720	6.23
0F06006-CAL7	50	3763215	75264.300	6.23
0F06006-CAL8	100	7999243	79992.430	6.23
0F06006-CAL9	200	1.61679E+07	80839.500	6.23

AVE RF 78995.730 RF RSD 5.93 AVE RT 6.23

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

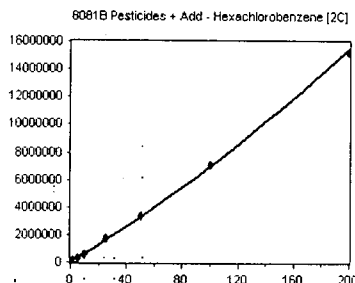
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_20060**

Hexachlorobenzene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

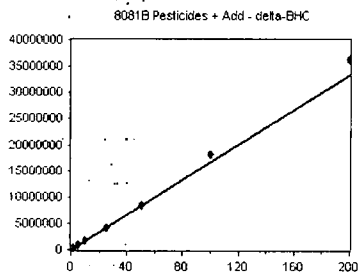


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	41220	82440.000	6.34
OF06006-CALB	1	75347	75347.000	6.34
OF06006-CALC	2	129071	64535.500	6.34
OF06006-CALD	5	293078	58615.600	6.34
OF06006-CALE	10	626457	62645.700	6.33
OF06006-CALF	25	1742876	69715.040	6.33
OF06006-CALG	50	3355768	67115.360	6.33
OF06006-CALH	100	7079413	70794.130	6.33
OF06006-CALI	200	1.525536E+07	76276.800	6.33

AVE RF 69720.570 RF RSD 10.69 AVE RT 6.33

delta-BHC

Curve Fit: **AVERAGE RF**

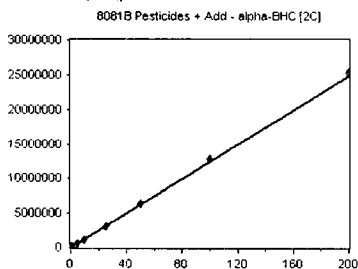


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	83205	166410.000	6.38
OF06006-CAL2	1	166513	166513.000	6.38
OF06006-CAL3	2	316848	158424.000	6.38
OF06006-CAL4	5	772799	154559.800	6.38
OF06006-CAL5	10	1632205	163220.500	6.38
OF06006-CAL6	25	4050412	162016.500	6.38
OF06006-CAL7	50	8455686	169113.700	6.38
OF06006-CAL8	100	1.814905E+07	181490.500	6.38
OF06006-CAL9	200	3.627477E+07	181373.800	6.38

AVE RF 167013.500 RF RSD 5.56 AVE RT 6.38

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

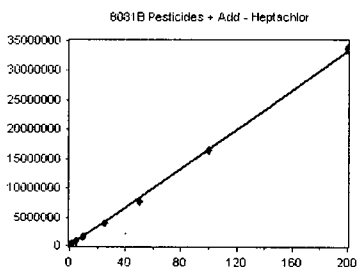


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	62692	125384.000	6.47
OF06006-CAL2	1	123240	123240.000	6.47
OF06006-CAL3	2	235668	117834.000	6.47
OF06006-CAL4	5	623366	124673.200	6.47
OF06006-CAL5	10	1214408	121440.800	6.47
OF06006-CAL6	25	3161205	126448.200	6.47
OF06006-CAL7	50	6247664	124953.300	6.47
OF06006-CAL8	100	1.27377E+07	127377.000	6.47
OF06006-CAL9	200	2.529198E+07	126459.900	6.47

AVE RF 124201.200 RF RSD 2.41 AVE RT 6.47

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	94788	189576.000	6.57
OF06006-CAL2	1	179138	179138.000	6.57
OF06006-CAL3	2	327931	163965.500	6.57
OF06006-CAL4	5	815381	163076.200	6.57
OF06006-CAL5	10	1558774	155877.400	6.57
OF06006-CAL6	25	3933043	157321.700	6.57
OF06006-CAL7	50	7791340	155826.800	6.57
OF06006-CAL8	100	1.639244E+07	163924.400	6.57
OF06006-CAL9	200	3.372151E+07	168607.600	6.57

AVE RF 166368.200 RF RSD 6.83 AVE RT 6.57

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

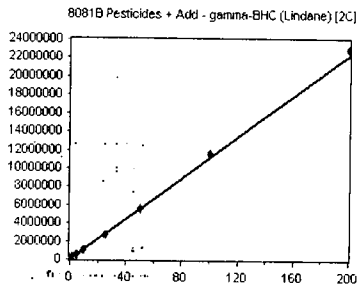
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

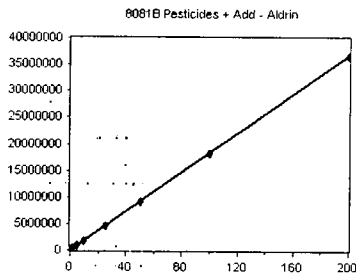


Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	57296	114592.000	6.79
0F06006-CAL2	1	113629	113629.000	6.79
0F06006-CAL3	2	210339	105169.500	6.79
0F06006-CAL4	5	546087	109217.400	6.79
0F06006-CAL5	10	1081852	108185.200	6.79
0F06006-CAL6	25	2775402	111016.100	6.79
0F06006-CAL7	50	5610698	112214.000	6.79
0F06006-CAL8	100	1.149443E+07	114944.300	6.79
0F06006-CAL9	200	2.290805E+07	114540.300	6.79

AVE RF 111500.900 RF RSD 3.04 AVE RT 6.79

Aldrin

Curve Fit: **AVERAGE RF**

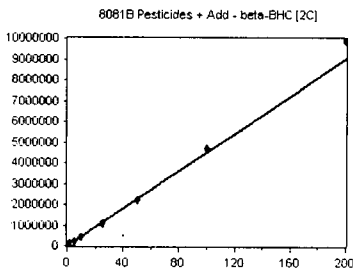


Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	97386	194772.000	6.81
0F06006-CAL2	1	186287	186287.000	6.81
0F06006-CAL3	2	358850	179425.000	6.81
0F06006-CAL4	5	917471	183494.200	6.81
0F06006-CAL5	10	1819478	181947.800	6.81
0F06006-CAL6	25	4518691	180747.600	6.81
0F06006-CAL7	50	8990610	179812.200	6.81
0F06006-CAL8	100	1.825232E+07	182523.200	6.81
0F06006-CAL9	200	3.654141E+07	182707.000	6.81

AVE RF 183524.000 RF RSD 2.56 AVE RT 6.81

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

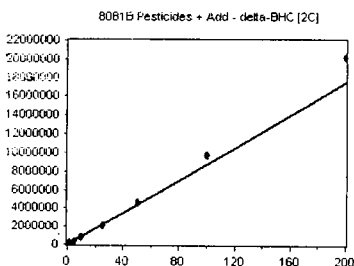


Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	24475	48950.000	6.86
0F06006-CAL2	1	47426	47426.000	6.86
0F06006-CAL3	2	85322	42661.000	6.86
0F06006-CAL4	5	210480	42096.000	6.86
0F06006-CAL5	10	413616	41361.600	6.86
0F06006-CAL6	25	1076238	43049.520	6.86
0F06006-CAL7	50	2196169	43923.380	6.86
0F06006-CAL8	100	4678127	46781.270	6.86
0F06006-CAL9	200	9881780	49408.900	6.86

AVE RF 45073.070 RF RSD 6.85 AVE RT 6.86

delta-BHC [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	42574	85148.000	7.11
0F06006-CAL2	1	80293	80293.000	7.11
0F06006-CAL3	2	152922	76461.000	7.12
0F06006-CAL4	5	401316	80263.200	7.11
0F06006-CAL5	10	845697	84569.700	7.11
0F06006-CAL6	25	2196848	87873.920	7.11
0F06006-CAL7	50	4583521	91670.420	7.11
0F06006-CAL8	100	9722557	97225.570	7.11
0F06006-CAL9	200	2.022738E+07	101136.900	7.11

AVE RF 87182.410 RF RSD 9.40 AVE RT 7.11

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

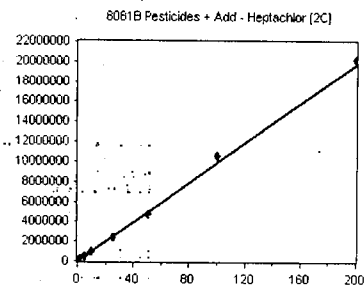
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_20060**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

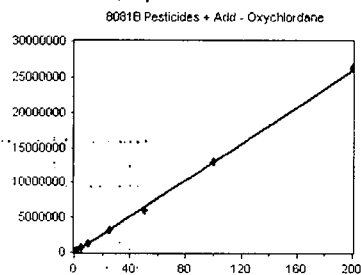


Standard	Concentration	Response	Factor	RT
0F06006-CAL1	0.5	52395	104790.000	7.16
0F06006-CAL2	1	101461	101461.000	7.16
0F06006-CAL3	2	189148	94574.000	7.16
0F06006-CAL4	5	481146	96229.200	7.16
0F06006-CAL5	10	919176	91917.600	7.16
0F06006-CAL6	25	2394873	95794.920	7.16
0F06006-CAL7	50	4806622	96132.440	7.16
0F06006-CAL8	100	1.055757E+07	105575.700	7.16
0F06006-CAL9	200	2.019789E+07	100989.500	7.16

AVE RF 98607.150 RF RSD 4.83 AVE RT 7.16

Oxychlorane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

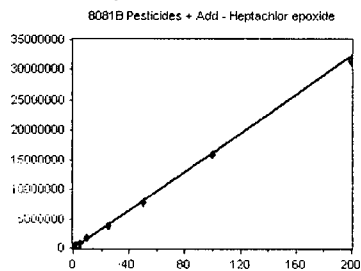


Standard	Concentration	Response	Factor	RT
0F06006-CALA	0.5	84567	169134.000	7.20
0F06006-CALB	1	164264	164264.000	7.20
0F06006-CALC	2	290251	145125.500	7.21
0F06006-CALD	5	625319	125063.800	7.20
0F06006-CALE	10	1317392	131739.200	7.20
0F06006-CALF	25	3322121	132884.800	7.20
0F06006-CALG	50	6032848	120657.000	7.20
0F06006-CALH	100	1.299762E+07	129976.200	7.20
0F06006-CALI	200	2.62989E+07	131494.500	7.20

AVE RF 138926.600 RF RSD 12.32 AVE RT 7.20

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

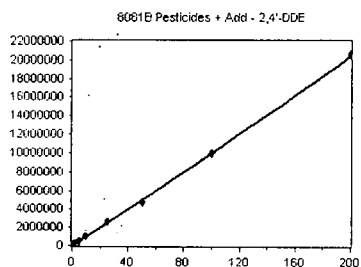


Standard	Concentration	Response	Factor	RT
0F06006-CAL1	0.5	89813	179626.000	7.27
0F06006-CAL2	1	169574	169574.000	7.27
0F06006-CAL3	2	315650	157825.000	7.28
0F06006-CAL4	5	812510	162502.000	7.28
0F06006-CAL5	10	1611187	161118.700	7.28
0F06006-CAL6	25	3859009	154360.400	7.27
0F06006-CAL7	50	7738184	154763.700	7.28
0F06006-CAL8	100	1.592098E+07	159209.800	7.27
0F06006-CAL9	200	3.139864E+07	156993.200	7.27

AVE RF 161774.700 RF RSD 5.03 AVE RT 7.27

2,4'-DDE

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Factor	RT
0F06006-CALA	0.5	65322	130644.000	7.28
0F06006-CALB	1	121465	121465.000	7.28
0F06006-CALC	2	213043	106521.500	7.29
0F06006-CALD	5	479513	95902.600	7.28
0F06006-CALE	10	1019885	101988.500	7.28
0F06006-CALF	25	2587783	103511.300	7.28
0F06006-CALG	50	4783503	95670.060	7.28
0F06006-CALH	100	9968822	99688.220	7.28
0F06006-CALI	200	2.053446E+07	102672.300	7.28

AVE RF 106451.500 RF RSD 11.15 AVE RT 7.28

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

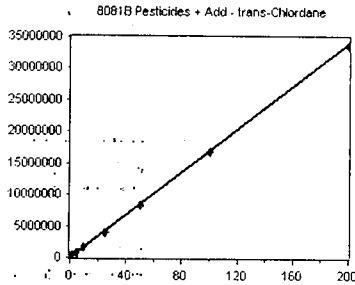
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

trans-Chlordane

Curve Fit: **AVERAGE RF**

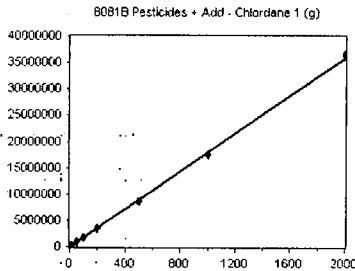


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	99385	198770.000	7.37
OF06006-CAL2	1	180419	180419.000	7.37
OF06006-CAL3	2	334265	167132.500	7.37
OF06006-CAL4	5	818806	163761.200	7.37
OF06006-CAL5	10	1613897	161389.700	7.37
OF06006-CAL6	25	3960440	158417.600	7.37
OF06006-CAL7	50	8269836	165396.700	7.37
OF06006-CAL8	100	1.693089E+07	169308.900	7.37
OF06006-CAL9	200	3.373806E+07	168690.300	7.37

AVE RF 170365.100 RF RSD 7.23 AVE RT 7.37

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

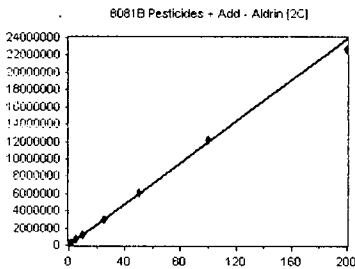


Standard	Concentration	Response	Response Factor	RT
OF06006-CALJ	10	197378	19737.800	7.37
OF06006-CALK	50	879956	17599.120	7.37
OF06006-CALL	100	1782194	17821.940	7.37
OF06006-CALM	200	3480264	17401.320	7.37
OF06006-CALN	500	8664231	17328.460	7.37
OF06006-CALO	1000	1.75993E+07	17599.300	7.37
OF06006-CALP	2000	3.660892E+07	18304.460	7.37

AVE RF 17970.340 RF RSD 4.69 AVE RT 7.37

Aldrin [2C]

Curve Fit: **AVERAGE RF**

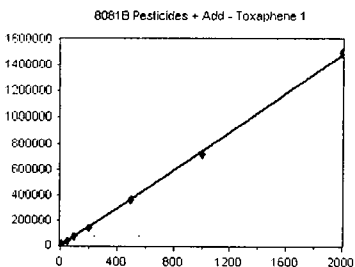


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	59942	119884.000	7.43
OF06006-CAL2	1	119392	119392.000	7.43
OF06006-CAL3	2	236654	118327.000	7.43
OF06006-CAL4	5	603150	120630.000	7.43
OF06006-CAL5	10	1195910	119591.000	7.43
OF06006-CAL6	25	3003078	120123.100	7.43
OF06006-CAL7	50	6039846	120796.900	7.43
OF06006-CAL8	100	1.219881E+07	121988.100	7.43
OF06006-CAL9	200	2.276084E+07	113804.200	7.43

AVE RF 119392.900 RF RSD 1.95 AVE RT 7.43

Toxaphene 1

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	9023	902.300	7.45
OF06006-CALR	50	35071	701.420	7.45
OF06006-CALS	100	67332	673.320	7.45
OF06006-CALT	200	141267	706.335	7.45
OF06006-CALU	500	364718	729.436	7.45
OF06006-CALV	1000	720081	720.081	7.45
OF06006-CALW	2000	1498136	749.068	7.45

AVE RF 740.280 RF RSD 10.17 AVE RT 7.45

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

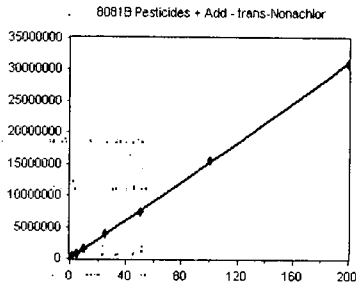
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_20060**

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

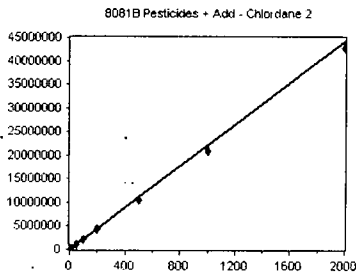


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	145448	290896.000	7.46
OF06006-CALB	1	215322	215322.000	7.46
OF06006-CALC	2	361881	180940.500	7.46
OF06006-CALD	5	802627	160525.400	7.46
OF06006-CALE	10	1579824	157982.400	7.46
OF06006-CALF	25	3926678	157067.100	7.46
OF06006-CALG	50	7349442	146988.800	7.46
OF06006-CALH	100	1.544269E+07	154426.900	7.46
OF06006-CALI	200	3.102207E+07	155110.300	7.46

AVE RF 179917.700 RF RSD 25.85 AVE RT 7.46

Chlordane 2

Curve Fit: **AVERAGE RF**

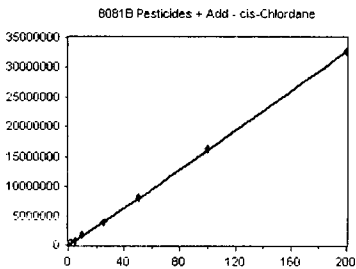


Standard	Concentration	Response	Response Factor	RT
OF06006-CALJ	10	273425	27342.500	7.47
OF06006-CALK	50	1079806	21596.120	7.47
OF06006-CALL	100	2137781	21377.810	7.47
OF06006-CALM	200	4312810	21564.050	7.47
OF06006-CALN	500	1.041895E+07	20837.900	7.47
OF06006-CALO	1000	2.094328E+07	20943.280	7.47
OF06006-CALP	2000	4.282516E+07	21412.580	7.47

AVE RF 22153.460 RF RSD 10.41 AVE RT 7.47

cis-Chlordane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

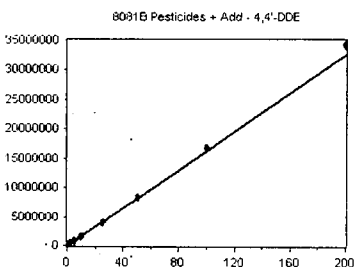


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	128347	256694.000	7.47
OF06006-CAL2	1	214311	214311.000	7.47
OF06006-CAL3	2	357981	178990.500	7.47
OF06006-CAL4	5	836868	167373.600	7.47
OF06006-CAL5	10	1634409	163440.900	7.47
OF06006-CAL6	25	3932329	157293.200	7.47
OF06006-CAL7	50	8088516	161770.300	7.47
OF06006-CAL8	100	1.620518E+07	162051.800	7.47
OF06006-CAL9	200	3.26846E+07	163423.000	7.47

AVE RF 180594.300 RF RSD 18.51 AVE RT 7.47

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	85822	171644.000	7.53
OF06006-CAL2	1	163871	163871.000	7.53
OF06006-CAL3	2	307303	153651.500	7.54
OF06006-CAL4	5	762514	152502.800	7.54
OF06006-CAL5	10	1603795	160379.500	7.54
OF06006-CAL6	25	4035047	161401.900	7.53
OF06006-CAL7	50	8283550	165671.000	7.53
OF06006-CAL8	100	1.679901E+07	167990.100	7.53
OF06006-CAL9	200	3.426793E+07	171339.600	7.53

AVE RF 163161.300 RF RSD 4.25 AVE RT 7.53

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

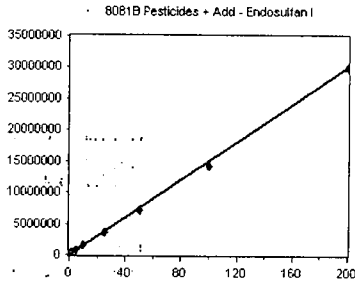
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_20060**

Endosulfan I

Curve Fit: **AVERAGE RF**

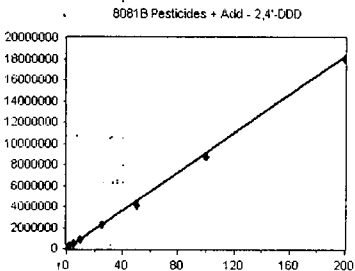


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	83363	166726.000	7.56
OF06006-CAL2	1	158580	158580.000	7.57
OF06006-CAL3	2	309729	154864.500	7.57
OF06006-CAL4	5	744069	148813.800	7.57
OF06006-CAL5	10	1447903	144790.300	7.57
OF06006-CAL6	25	3604233	144169.300	7.57
OF06006-CAL7	50	7163291	143265.800	7.57
OF06006-CAL8	100	1.410283E+07	141028.300	7.57
OF06006-CAL9	200	2.981207E+07	149060.300	7.56

AVE RF 150144.300 RF RSD 5.60 AVE RT 7.57

2,4'-DDD

Curve Fit: **AVERAGE RF**

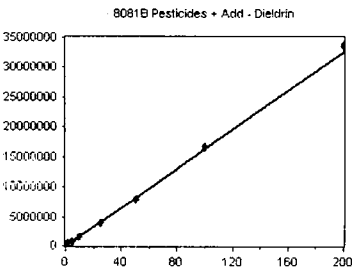


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	52698	105396.000	7.66
OF06006-CALB	1	105471	105471.000	7.66
OF06006-CALC	2	184914	92457.000	7.66
OF06006-CALD	5	426965	85393.000	7.66
OF06006-CALE	10	857480	85748.000	7.66
OF06006-CALF	25	2247942	89917.680	7.66
OF06006-CALG	50	4113598	82271.960	7.66
OF06006-CALH	100	8703874	87038.740	7.66
OF06006-CALI	200	1.80197E+07	90098.500	7.66

AVE RF 91532.430 RF RSD 9.21 AVE RT 7.66

Dieldrin

Curve Fit: **AVERAGE RF**

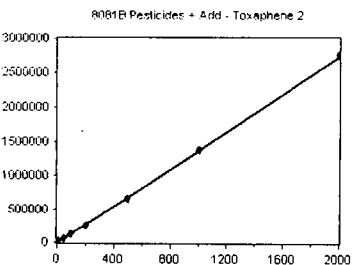


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	84428	168856.000	7.74
OF06006-CAL2	1	163995	163995.000	7.74
OF06006-CAL3	2	317350	158675.000	7.74
OF06006-CAL4	5	808594	161718.800	7.74
OF06006-CAL5	10	1591494	159149.400	7.74
OF06006-CAL6	25	4053928	162157.100	7.74
OF06006-CAL7	50	7975641	159512.800	7.74
OF06006-CAL8	100	1.65915E+07	165915.000	7.74
OF06006-CAL9	200	3.369445E+07	168472.200	7.74

AVE RF 163161.300 RF RSD 2.39 AVE RT 7.74

Toxaphene 2

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	13848	1384.800	7.74
OF06006-CALR	50	67839	1356.780	7.74
OF06006-CALS	100	134815	1348.150	7.74
OF06006-CALT	200	263780	1318.900	7.74
OF06006-CALU	500	672639	1345.278	7.74
OF06006-CALV	1000	1382011	1382.011	7.74
OF06006-CALW	2000	2760683	1380.342	7.74

AVE RF 1359.466 RF RSD 1.79 AVE RT 7.74

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

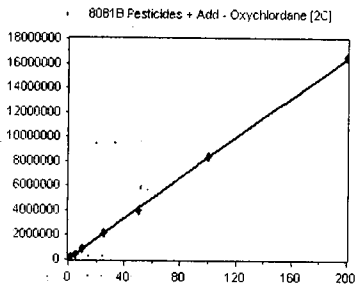
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

Oxychlorthane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

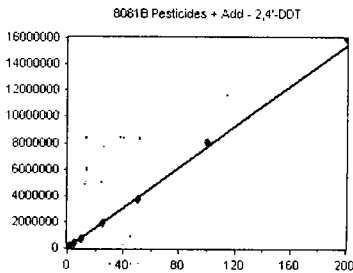


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	57877	115754.000	7.80
OF06006-CALB	1	107735	107735.000	7.80
OF06006-CALC	2	188921	94460.500	7.80
OF06006-CALD	5	411047	82209.400	7.80
OF06006-CALE	10	864467	86446.700	7.80
OF06006-CALF	25	2183217	87328.680	7.80
OF06006-CALG	50	4033686	80673.720	7.80
OF06006-CALH	100	8374663	83746.630	7.80
OF06006-CALI	200	1.65021E+07	82510.500	7.80

AVE RF 91207.240 RF RSD 13.69 AVE RT 7.80

2,4'-DDT

Curve Fit: **AVERAGE RF**

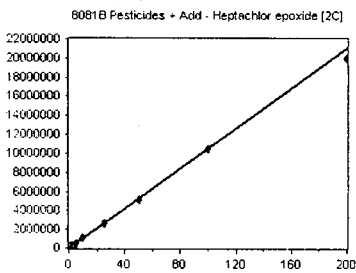


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	46876	93752.000	7.84
OF06006-CALB	1	78212	78212.000	7.84
OF06006-CALC	2	146592	73296.000	7.84
OF06006-CALD	5	328304	65660.800	7.84
OF06006-CALE	10	711986	71198.600	7.84
OF06006-CALF	25	1921446	76857.840	7.84
OF06006-CALG	50	3757958	75159.160	7.84
OF06006-CALH	100	8017136	80171.360	7.84
OF06006-CALI	200	1.599348E+07	79967.400	7.84

AVE RF 77141.680 RF RSD 10.04 AVE RT 7.84

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

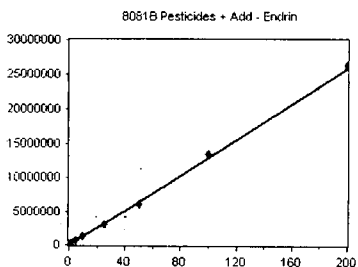


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	56927	113854.000	7.87
OF06006-CAL2	1	110867	110867.000	7.87
OF06006-CAL3	2	213991	106995.500	7.87
OF06006-CAL4	5	520924	104184.800	7.87
OF06006-CAL5	10	1035509	103550.900	7.87
OF06006-CAL6	25	2564964	102598.600	7.87
OF06006-CAL7	50	5152570	103051.400	7.87
OF06006-CAL8	100	1.047514E+07	104751.400	7.87
OF06006-CAL9	200	1.997416E+07	99870.800	7.87

AVE RF 105524.900 RF RSD 4.14 AVE RT 7.87

Endrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	68179	136358.000	7.90
OF06006-CAL2	1	130330	130330.000	7.90
OF06006-CAL3	2	252901	126450.500	7.90
OF06006-CAL4	5	640431	128086.200	7.91
OF06006-CAL5	10	1271001	127100.100	7.91
OF06006-CAL6	25	3099943	123997.700	7.91
OF06006-CAL7	50	6164686	123293.700	7.90
OF06006-CAL8	100	1.34888E+07	134888.000	7.90
OF06006-CAL9	200	2.622778E+07	131138.900	7.90

AVE RF 129071.500 RF RSD 3.50 AVE RT 7.90

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

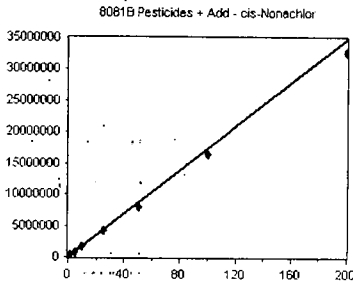
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

cis-Nonachlor

Curve Fit: **AVERAGE RF**

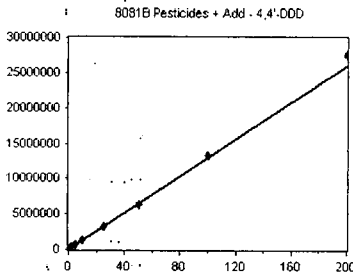


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	103278	206556.000	7.93
OF06006-CALB	1	200869	200869.000	7.93
OF06006-CALC	2	358546	179273.000	7.94
OF06006-CALD	5	817641	163528.200	7.94
OF06006-CALE	10	1655952	165595.200	7.94
OF06006-CALF	25	4201582	168063.300	7.94
OF06006-CALG	50	7918629	158372.600	7.94
OF06006-CALH	100	1.645472E+07	164547.200	7.94
OF06006-CALI	200	3.276105E+07	163805.300	7.93

AVE RF 174512.200 RF RSD 10.05 AVE RT 7.93

4,4'-DDD

Curve Fit: **AVERAGE RF**

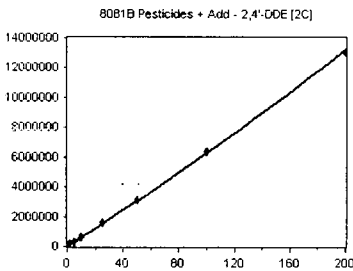


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	68963	137926.000	7.96
OF06006-CAL2	1	127947	127947.000	7.96
OF06006-CAL3	2	247550	123775.000	7.96
OF06006-CAL4	5	622643	124528.600	7.96
OF06006-CAL5	10	1250845	125084.500	7.96
OF06006-CAL6	25	3236670	129466.800	7.96
OF06006-CAL7	50	6338429	126768.600	7.96
OF06006-CAL8	100	1.336409E+07	133640.900	7.96
OF06006-CAL9	200	2.753569E+07	137678.500	7.96

AVE RF 129646.200 RF RSD 4.24 AVE RT 7.96

2,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

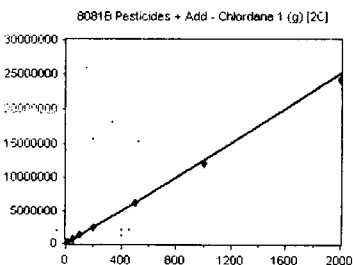


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	49247	98494.000	8.01
OF06006-CALB	1	76268	76268.000	8.01
OF06006-CALC	2	130505	65252.500	8.01
OF06006-CALD	5	310295	62059.000	8.01
OF06006-CALE	10	612154	61215.400	8.01
OF06006-CALF	25	1623379	64935.160	8.01
OF06006-CALG	50	3080248	61604.960	8.01
OF06006-CALH	100	6334849	63348.490	8.01
OF06006-CALI	200	1.30592E+07	65296.000	8.01

AVE RF 68719.280 RF RSD 17.54 AVE RT 8.01

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CALJ	10	138615	13861.500	8.01
OF06006-CALK	50	595239	11904.780	8.01
OF06006-CALL	100	1253287	12532.870	8.01
OF06006-CALM	200	2482181	12410.910	8.01
OF06006-CALN	500	6394408	12788.820	8.01
OF06006-CALO	1000	1.222473E+07	12224.730	8.01
OF06006-CALP	2000	2.420101E+07	12100.500	8.01

AVE RF 12546.300 RF RSD 5.17 AVE RT 8.01

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

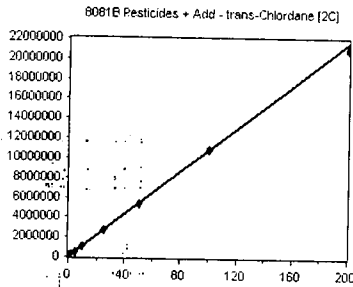
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

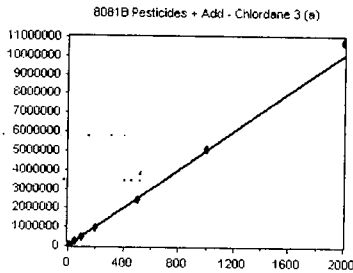


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	60295	120590.000	8.01
OF06006-CAL2	1	112185	112185.000	8.01
OF06006-CAL3	2	202687	101343.500	8.01
OF06006-CAL4	5	530122	106024.400	8.01
OF06006-CAL5	10	1045932	104593.200	8.01
OF06006-CAL6	25	2679942	107197.700	8.01
OF06006-CAL7	50	5400596	108011.900	8.01
OF06006-CAL8	100	1.079318E+07	107931.800	8.01
OF06006-CAL9	200	2.097568E+07	104878.400	8.01

AVE RF 108084.000 RF RSD 5.13 AVE RT 8.01

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

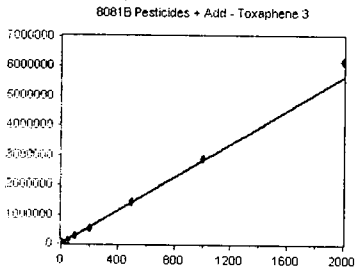


Standard	Concentration	Response	Response Factor	RT
OF06006-CALJ	10	54093	5409.300	8.02
OF06006-CALK	50	233743	4674.860	8.02
OF06006-CALL	100	490632	4906.320	8.02
OF06006-CALM	200	962510	4812.550	8.02
OF06006-CALN	500	2418815	4837.630	8.02
OF06006-CALO	1000	5125147	5125.147	8.02
OF06006-CALP	2000	1.077189E+07	5385.945	8.02

AVE RF 5021.679 RF RSD 5.78 AVE RT 8.02

Toxaphene 3

Curve Fit: **AVERAGE RF**

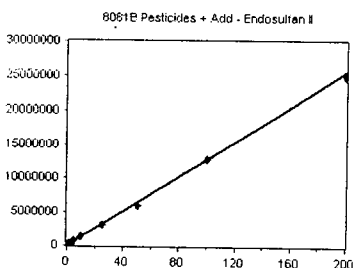


Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	28917	2891.700	8.06
OF06006-CALR	50	132155	2643.100	8.05
OF06006-CALS	100	264911	2649.110	8.06
OF06006-CALT	200	536399	2681.995	8.06
OF06006-CALU	500	1448445	2896.890	8.06
OF06006-CALV	1000	2880010	2880.010	8.05
OF06006-CALW	2000	6167329	3083.665	8.06

AVE RF 2818.067 RF RSD 5.86 AVE RT 8.06

Endosulfan II

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	69503	139006.000	8.06
OF06006-CAL2	1	134148	134148.000	8.06
OF06006-CAL3	2	259692	129846.000	8.06
OF06006-CAL4	5	618412	123682.400	8.06
OF06006-CAL5	10	1266904	126690.400	8.06
OF06006-CAL6	25	3088788	123551.500	8.06
OF06006-CAL7	50	6050141	121002.800	8.06
OF06006-CAL8	100	1.277533E+07	127753.300	8.06
OF06006-CAL9	200	2.505247E+07	125262.400	8.06

AVE RF 127882.500 RF RSD 4.45 AVE RT 8.06

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

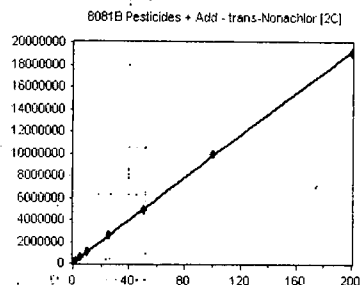
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

trans-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

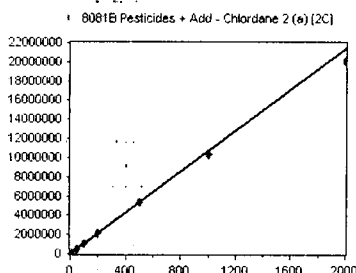


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	82206	164412.000	8.07
OF06006-CALB	1	135976	135976.000	8.08
OF06006-CALC	2	231479	115739.500	8.08
OF06006-CALD	5	507575	101515.000	8.08
OF06006-CALE	10	1040121	104012.100	8.08
OF06006-CALF	25	2540550	101622.000	8.08
OF06006-CALG	50	4847467	96949.340	8.08
OF06006-CALH	100	9912921	99129.210	8.08
OF06006-CALI	200	1.916279E+07	95813.950	8.07

AVE RF 112796.600 RF RSD 20.47 AVE RT 8.08

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

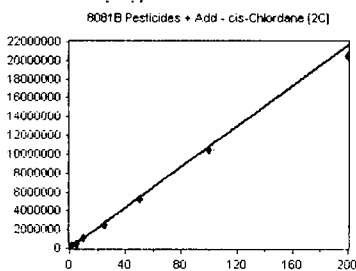


Standard	Concentration	Response	Response Factor	RT
OF06006-CALJ	10	126750	12675.000	8.12
OF06006-CALK	50	528608	10572.160	8.12
OF06006-CALL	100	1022562	10225.620	8.12
OF06006-CALM	200	2089429	10447.140	8.12
OF06006-CALN	500	5336806	10673.610	8.12
OF06006-CALO	1000	1.036323E+07	10363.230	8.12
OF06006-CALP	2000	2.004584E+07	10022.920	8.12

AVE RF 10711.380 RF RSD 8.33 AVE RT 8.12

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

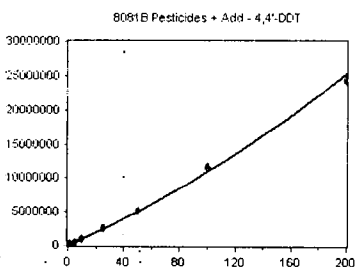


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	64771	129542.000	8.12
OF06006-CAL2	1	116602	116602.000	8.12
OF06006-CAL3	2	209625	104812.500	8.12
OF06006-CAL4	5	523193	104638.600	8.12
OF06006-CAL5	10	1052527	105252.700	8.12
OF06006-CAL6	25	2521941	100877.600	8.12
OF06006-CAL7	50	5197653	103953.100	8.12
OF06006-CAL8	100	1.045306E+07	104530.600	8.12
OF06006-CAL9	200	2.039972E+07	101998.600	8.12

AVE RF 108023.100 RF RSD 8.55 AVE RT 8.12

4,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	51753	103506.000	8.15
OF06006-CAL2	1	97869	97869.000	8.16
OF06006-CAL3	2	171502	85751.000	8.16
OF06006-CAL4	5	471883	94376.600	8.16
OF06006-CAL5	10	910700	91070.000	8.16
OF06006-CAL6	25	2570636	102825.400	8.16
OF06006-CAL7	50	5217700	104354.000	8.16
OF06006-CAL8	100	1.162229E+07	116222.900	8.16
OF06006-CAL9	200	2.435068E+07	121753.400	8.16

AVE RF 101969.800 RF RSD 11.29 AVE RT 8.16

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

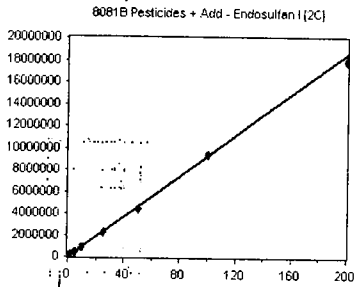
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

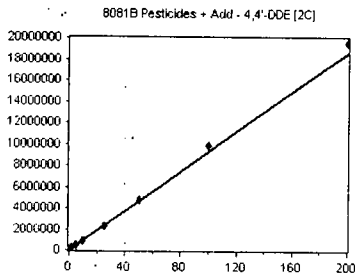


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	50195	100390.000	8.17
OF06006-CAL2	1	99405	99405.000	8.17
OF06006-CAL3	2	184624	92312.000	8.17
OF06006-CAL4	5	456473	91294.600	8.17
OF06006-CAL5	10	916395	91639.500	8.17
OF06006-CAL6	25	2246767	89870.680	8.17
OF06006-CAL7	50	4478092	89561.840	8.17
OF06006-CAL8	100	9451330	94513.300	8.17
OF06006-CAL9	200	1.792848E+07	89642.400	8.17

AVE RF 93181.040 RF RSD 4.42 AVE RT 8.17

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

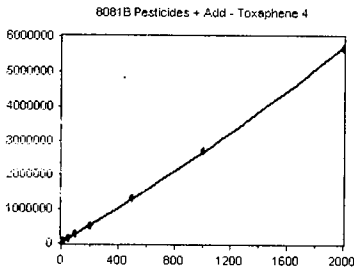


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	45972	91944.000	8.23
OF06006-CAL2	1	93759	93759.000	8.23
OF06006-CAL3	2	177413	88706.500	8.23
OF06006-CAL4	5	471358	94271.600	8.23
OF06006-CAL5	10	883347	88334.700	8.23
OF06006-CAL6	25	2294621	91784.840	8.23
OF06006-CAL7	50	4736807	94736.140	8.23
OF06006-CAL8	100	9786527	97865.270	8.23
OF06006-CAL9	200	1.955468E+07	97773.400	8.23

AVE RF 93241.720 RF RSD 3.67 AVE RT 8.23

Toxaphene 4

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

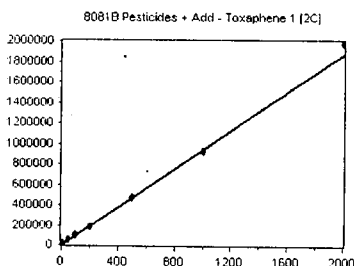


Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	57068	5706.800	8.30
OF06006-CALR	50	153288	3065.760	8.30
OF06006-CALS	100	276463	2764.630	8.30
OF06006-CALT	200	521292	2606.460	8.30
OF06006-CALU	500	1316874	2633.748	8.30
OF06006-CALV	1000	2684766	2684.766	8.30
OF06006-CALW	2000	5678881	2839.440	8.30

AVE RF 3185.944 RF RSD 35.23 AVE RT 8.30

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	8971	897.100	8.35
OF06006-CALR	50	48764	975.280	8.35
OF06006-CALS	100	93293	932.930	8.35
OF06006-CALT	200	178857	894.285	8.35
OF06006-CALU	500	470819	941.638	8.35
OF06006-CALV	1000	928750	928.750	8.35
OF06006-CALW	2000	1981909	990.954	8.35

AVE RF 937.277 RF RSD 3.87 AVE RT 8.35

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

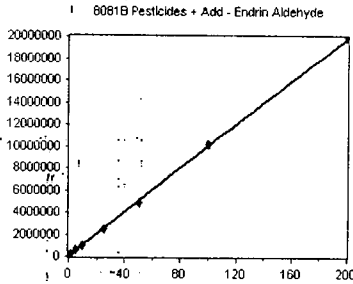
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

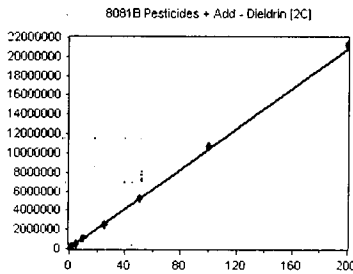


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	68896	137792.000	8.35
OF06006-CAL2	1	132240	132240.000	8.35
OF06006-CAL3	2	236837	118418.500	8.35
OF06006-CAL4	5	523105	104621.000	8.35
OF06006-CAL5	10	1011600	101160.000	8.35
OF06006-CAL6	25	2470738	98829.520	8.35
OF06006-CAL7	50	4817726	96354.520	8.35
OF06006-CAL8	100	1.018682E+07	101868.200	8.35
OF06006-CAL9	200	1.999729E+07	99986.450	8.35

AVE RF 110141.100 RF RSD 14.07 AVE RT 8.35

Diieldrin [2C]

Curve Fit: **AVERAGE RF**

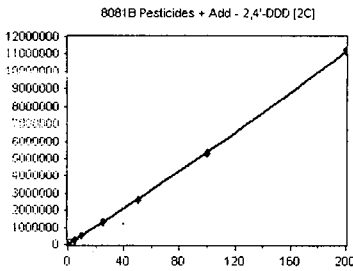


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	54405	108810.000	8.37
OF06006-CAL2	1	107045	107045.000	8.37
OF06006-CAL3	2	196753	98376.500	8.37
OF06006-CAL4	5	499381	99876.200	8.37
OF06006-CAL5	10	1033607	103360.700	8.37
OF06006-CAL6	25	2537009	101480.400	8.37
OF06006-CAL7	50	5212767	104255.300	8.37
OF06006-CAL8	100	1.066719E+07	106671.900	8.37
OF06006-CAL9	200	2.12631E+07	106315.500	8.37

AVE RF 104021.300 RF RSD 3.40 AVE RT 8.37

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

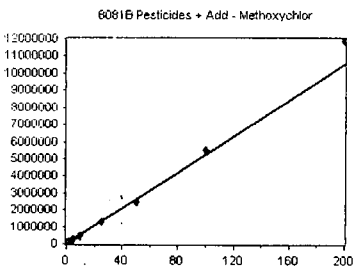


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	34549	69098.000	8.38
OF06006-CALB	1	66814	66814.000	8.39
OF06006-CALC	2	112777	56388.500	8.39
OF06006-CALD	5	260589	52117.800	8.39
OF06006-CALE	10	524558	52455.800	8.39
OF06006-CALF	25	1320951	52838.040	8.38
OF06006-CALG	50	2611856	52237.120	8.38
OF06006-CALH	100	5350581	53505.810	8.38
OF06006-CALI	200	1.120878E+07	56043.900	8.38

AVE RF 56833.220 RF RSD 11.48 AVE RT 8.38

Methoxychlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	28274	56548.000	8.49
OF06006-CAL2	1	55315	55315.000	8.50
OF06006-CAL3	2	98336	49168.000	8.50
OF06006-CAL4	5	254542	50908.400	8.50
OF06006-CAL5	10	469788	46978.800	8.50
OF06006-CAL6	25	1269710	50788.400	8.50
OF06006-CAL7	50	2487034	49740.680	8.50
OF06006-CAL8	100	5531510	55315.100	8.50
OF06006-CAL9	200	1.183877E+07	59193.850	8.49

AVE RF 52661.800 RF RSD 7.70 AVE RT 8.50

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

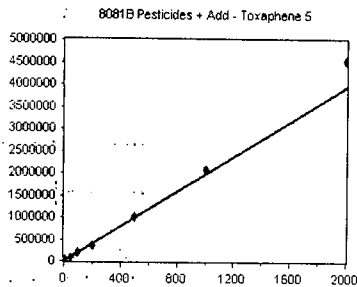
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_20060**

Toxaphene 5

Curve Fit: **AVERAGE RF**

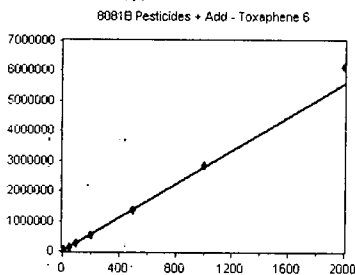


Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	20738	2073.800	8.53
OF06006-CALR	50	88127	1762.540	8.53
OF06006-CALS	100	182749	1827.490	8.53
OF06006-CALT	200	361345	1806.725	8.53
OF06006-CALU	500	994735	1989.470	8.53
OF06006-CALV	1000	2080618	2080.618	8.53
OF06006-CALW	2000	4537318	2268.659	8.53

AVE RF 1972.757 RF RSD 9.31 AVE RT 8.53

Toxaphene 6

Curve Fit: **AVERAGE RF**

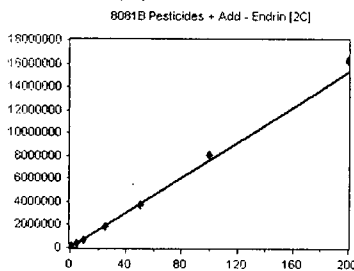


Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	30467	3046.700	8.59
OF06006-CALR	50	128325	2566.500	8.59
OF06006-CALS	100	254818	2548.180	8.59
OF06006-CALT	200	518581	2592.905	8.60
OF06006-CALU	500	1380932	2761.864	8.59
OF06006-CALV	1000	2843685	2843.685	8.59
OF06006-CALW	2000	6144339	3072.169	8.59

AVE RF 2776.001 RF RSD 7.99 AVE RT 8.59

Endrin [2C]

Curve Fit: **AVERAGE RF**

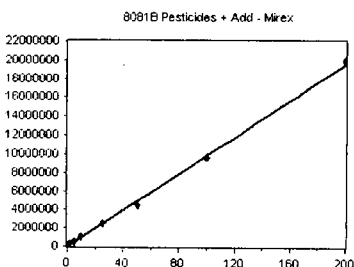


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	38928	77856.000	8.60
OF06006-CAL2	1	79520	79520.000	8.60
OF06006-CAL3	2	144820	72410.000	8.60
OF06006-CAL4	5	370096	74019.200	8.60
OF06006-CAL5	10	715799	71579.900	8.60
OF06006-CAL6	25	1878719	75148.760	8.60
OF06006-CAL7	50	3683295	73665.900	8.60
OF06006-CAL8	100	8056758	80567.580	8.60
OF06006-CAL9	200	1.629261E+07	81463.050	8.60

AVE RF 76247.820 RF RSD 4.83 AVE RT 8.60

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	75670	151340.000	8.60
OF06006-CALB	1	137658	137658.000	8.60
OF06006-CALC	2	236290	118145.000	8.60
OF06006-CALD	5	498922	99784.400	8.60
OF06006-CALE	10	1021628	102162.800	8.60
OF06006-CALF	25	2517729	100709.200	8.60
OF06006-CALG	50	4562673	91253.460	8.60
OF06006-CALH	100	9690009	96900.090	8.60
OF06006-CALI	200	2.002959E+07	100148.000	8.60

AVE RF 110900.100 RF RSD 18.60 AVE RT 8.60

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

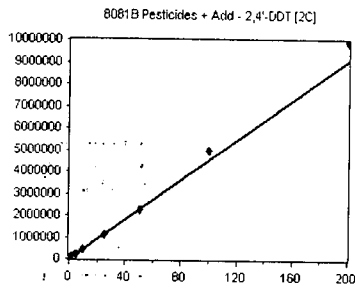
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

2,4'-DDT [2C]

Curve Fit: **AVERAGE RF**

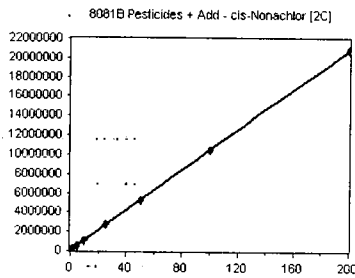


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	26110	52220.000	8.61
OF06006-CALB	1	45318	45318.000	8.61
OF06006-CALC	2	81492	40746.000	8.61
OF06006-CALD	5	189297	37859.400	8.61
OF06006-CALE	10	421059	42105.900	8.61
OF06006-CALF	25	1136837	45473.480	8.61
OF06006-CALG	50	2264252	45285.040	8.61
OF06006-CALH	100	4947600	49476.000	8.61
OF06006-CALI	200	9920731	49603.660	8.61

AVE RF 45343.050 RF RSD 10.17 AVE RT 8.61

cis-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

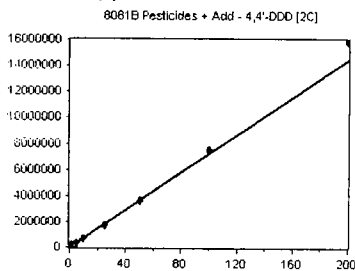


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	71324	142648.000	8.64
OF06006-CALB	1	133086	133086.000	8.64
OF06006-CALC	2	230789	115394.500	8.65
OF06006-CALD	5	531391	106278.200	8.64
OF06006-CALE	10	1073919	107391.900	8.65
OF06006-CALF	25	2765154	110606.200	8.64
OF06006-CALG	50	5267490	105349.800	8.64
OF06006-CALH	100	1.049934E+07	104993.400	8.64
OF06006-CALI	200	2.080112E+07	104005.600	8.64

AVE RF 114417.100 RF RSD 12.19 AVE RT 8.64

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

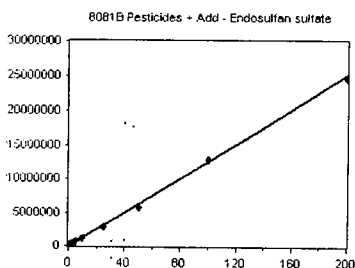


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	37854	75708.000	8.65
OF06006-CAL2	1	71439	71439.000	8.65
OF06006-CAL3	2	138295	69147.500	8.65
OF06006-CAL4	5	345241	69048.200	8.65
OF06006-CAL5	10	686251	68625.100	8.65
OF06006-CAL6	25	1757252	70290.080	8.65
OF06006-CAL7	50	3603906	72078.120	8.65
OF06006-CAL8	100	7544070	75440.700	8.65
OF06006-CAL9	200	1.581526E+07	79076.300	8.65

AVE RF 72317.000 RF RSD 5.04 AVE RT 8.65

Endosulfan sulfate

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	71376	142752.000	8.65
OF06006-CAL2	1	132796	132796.000	8.66
OF06006-CAL3	2	251616	125808.000	8.66
OF06006-CAL4	5	603835	120767.000	8.66
OF06006-CAL5	10	1198998	119899.800	8.66
OF06006-CAL6	25	2939891	117595.600	8.66
OF06006-CAL7	50	5896726	117934.500	8.66
OF06006-CAL8	100	1.286437E+07	128643.700	8.66
OF06006-CAL9	200	2.46971E+07	123485.500	8.66

AVE RF 125520.200 RF RSD 6.54 AVE RT 8.66

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

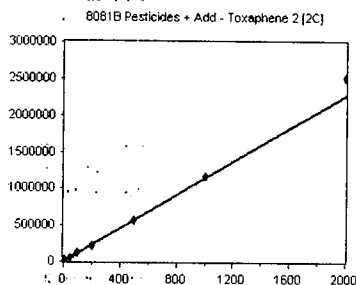
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

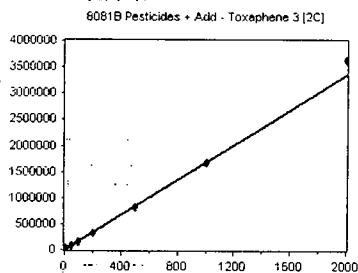


Standard	Concentration	Response	Response Factor	RT
0F06006-CALQ	10	11843	1184.300	8.70
0F06006-CALR	50	54040	1080.800	8.70
0F06006-CALS	100	109701	1097.010	8.70
0F06006-CALT	200	212290	1061.450	8.70
0F06006-CALU	500	564854	1129.708	8.70
0F06006-CALV	1000	1166999	1166.999	8.70
0F06006-CALW	2000	2507204	1253.602	8.70

AVE RF 1139.124 RF RSD 5.91 AVE RT 8.70

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

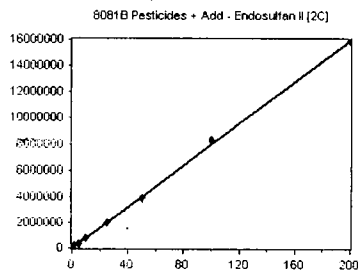


Standard	Concentration	Response	Response Factor	RT
0F06006-CALQ	10	18559	1855.900	8.73
0F06006-CALR	50	78373	1567.460	8.73
0F06006-CALS	100	160589	1605.890	8.73
0F06006-CALT	200	316450	1582.250	8.73
0F06006-CALU	500	821447	1642.894	8.73
0F06006-CALV	1000	1670440	1670.440	8.73
0F06006-CALW	2000	3628701	1814.350	8.73

AVE RF 1677.026 RF RSD 6.80 AVE RT 8.73

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

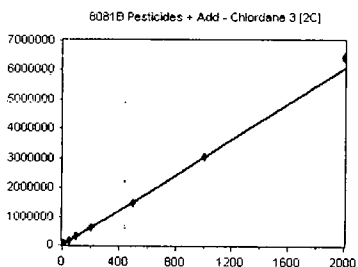


Standard	Concentration	Response	Response Factor	RT
0F06006-CAL1	0.5	43523	87046.000	8.75
0F06006-CAL2	1	81083	81083.000	8.75
0F06006-CAL3	2	154799	77399.500	8.75
0F06006-CAL4	5	379685	75937.000	8.75
0F06006-CAL5	10	753227	75322.700	8.75
0F06006-CAL6	25	1981534	79261.360	8.75
0F06006-CAL7	50	3859563	77191.260	8.75
0F06006-CAL8	100	8289787	82897.870	8.75
0F06006-CAL9	200	1.59484E+07	79742.000	8.75

AVE RF 79542.300 RF RSD 4.68 AVE RT 8.75

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F06006-CALJ	10	32858	3285.800	8.78
0F06006-CALK	50	140836	2816.720	8.78
0F06006-CALL	100	290670	2906.700	8.78
0F06006-CALM	200	593414	2967.070	8.78
0F06006-CALN	500	1493877	2987.754	8.78
0F06006-CALO	1000	3082287	3082.287	8.78
0F06006-CALP	2000	6417620	3208.810	8.78

AVE RF 3036.449 RF RSD 5.48 AVE RT 8.78

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

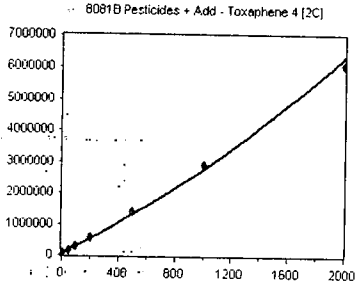
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_20060**

Toxaphene 4 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

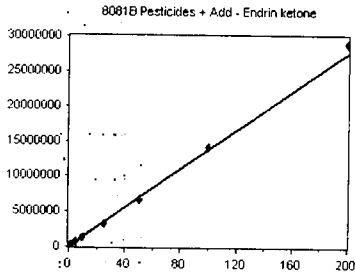


Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	81781	8178.100	8.80
OF06006-CALR	50	157727	3154.540	8.80
OF06006-CALS	100	284838	2848.380	8.80
OF06006-CALT	200	550559	2752.795	8.80
OF06006-CALU	500	1412810	2825.620	8.80
OF06006-CALV	1000	2915033	2915.033	8.80
OF06006-CALW	2000	6100637	3050.319	8.80

AVE RF 3674.970 RF RSD 54.16 AVE RT 8.80

Endrin ketone

Curve Fit: **AVERAGE RF**

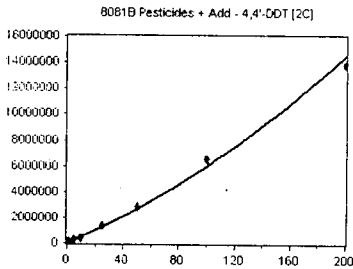


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	74861	149722.000	8.85
OF06006-CAL2	1	145829	145829.000	8.85
OF06006-CAL3	2	267630	133815.000	8.85
OF06006-CAL4	5	667572	133514.400	8.85
OF06006-CAL5	10	1278679	127867.900	8.85
OF06006-CAL6	25	3300239	132009.600	8.85
OF06006-CAL7	50	6700488	134009.800	8.85
OF06006-CAL8	100	1.409852E+07	140985.200	8.85
OF06006-CAL9	200	2.888102E+07	144405.100	8.85

AVE RF 138017.500 RF RSD 5.38 AVE RT 8.85

4,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

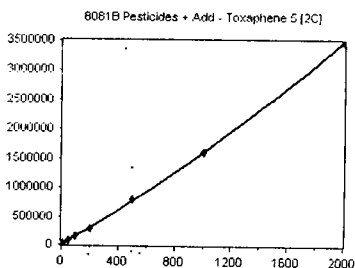


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	32321	64642.000	8.88
OF06006-CAL2	1	56436	56436.000	8.88
OF06006-CAL3	2	90021	45010.500	8.88
OF06006-CAL4	5	237792	47558.400	8.88
OF06006-CAL5	10	471457	47145.700	8.88
OF06006-CAL6	25	1358409	54336.360	8.88
OF06006-CAL7	50	2820324	56406.480	8.88
OF06006-CAL8	100	6575103	65751.030	8.88
OF06006-CAL9	200	1.37961E+07	68980.500	8.88

AVE RF 56251.890 RF RSD 15.54 AVE RT 8.88

Toxaphene 5 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	21539	2153.900	8.98
OF06006-CALR	50	79748	1594.960	8.98
OF06006-CALS	100	156535	1565.350	8.98
OF06006-CALT	200	290277	1451.385	8.98
OF06006-CALU	500	799448	1598.896	8.98
OF06006-CALV	1000	1610593	1610.593	8.98
OF06006-CALW	2000	3478951	1739.475	8.98

AVE RF 1673.509 RF RSD 13.62 AVE RT 8.98

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

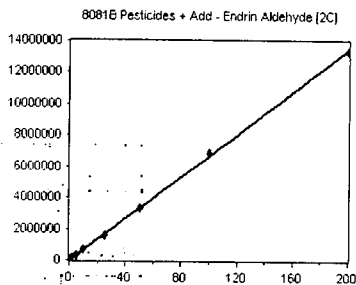
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

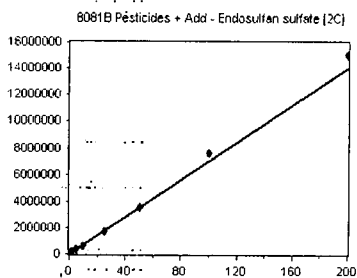


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	43549	87098.000	8.99
OF06006-CAL2	1	82638	82638.000	8.99
OF06006-CAL3	2	149649	74824.500	8.99
OF06006-CAL4	5	326529	65305.800	8.99
OF06006-CAL5	10	670797	67079.700	8.99
OF06006-CAL6	25	1609614	64384.560	8.99
OF06006-CAL7	50	3328090	66561.800	8.99
OF06006-CAL8	100	6856379	68563.790	8.99
OF06006-CAL9	200	1.340713E+07	67035.650	8.99

AVE RF 71499.090 RF RSD 11.49 AVE RT 8.99

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

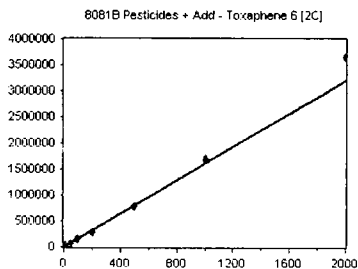


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	37772	75544.000	9.18
OF06006-CAL2	1	70131	70131.000	9.18
OF06006-CAL3	2	132227	66113.500	9.18
OF06006-CAL4	5	327808	65561.600	9.18
OF06006-CAL5	10	638099	63809.900	9.18
OF06006-CAL6	25	1710437	68417.480	9.18
OF06006-CAL7	50	3551474	71029.480	9.18
OF06006-CAL8	100	7584211	75842.110	9.18
OF06006-CAL9	200	1.500653E+07	75032.650	9.18

AVE RF 70164.640 RF RSD 6.50 AVE RT 9.18

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**

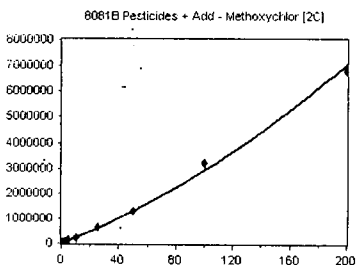


Standard	Concentration	Response	Response Factor	RT
OF06006-CALQ	10	17786	1778.600	9.36
OF06006-CALR	50	72860	1457.200	9.36
OF06006-CALS	100	147385	1473.850	9.36
OF06006-CALT	200	290616	1453.080	9.36
OF06006-CALU	500	777622	1555.244	9.36
OF06006-CALV	1000	1683843	1683.843	9.36
OF06006-CALW	2000	3653202	1826.601	9.36

AVE RF 1604.060 RF RSD 9.86 AVE RT 9.36

Methoxychlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	13528	27056.000	9.36
OF06006-CAL2	1	26616	26616.000	9.36
OF06006-CAL3	2	46940	23470.000	9.36
OF06006-CAL4	5	115674	23134.800	9.36
OF06006-CAL5	10	223833	22383.300	9.36
OF06006-CAL6	25	641962	25678.480	9.36
OF06006-CAL7	50	1289787	25795.740	9.36
OF06006-CAL8	100	3199829	31998.290	9.36
OF06006-CAL9	200	6805534	34027.670	9.36

AVE RF 26684.480 RF RSD 14.85 AVE RT 9.36

Element Calibration Review Sheet

Calibration ID: **A0F0805**

Instrument: **DUALECD3**

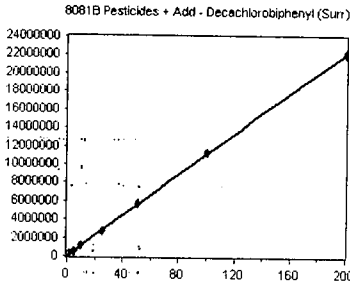
Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200601**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

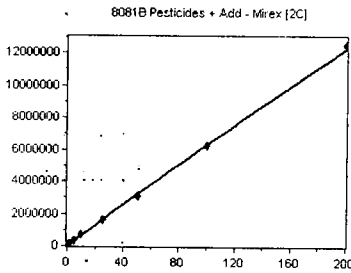


Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	73672	147344.000	9.56
OF06006-CAL2	1	134350	134350.000	9.56
OF06006-CAL3	2	240377	120188.500	9.56
OF06006-CAL4	5	570250	114050.000	9.56
OF06006-CAL5	10	1153610	115361.000	9.56
OF06006-CAL6	25	2710827	108433.100	9.56
OF06006-CAL7	50	5700635	114012.700	9.56
OF06006-CAL8	100	1.124549E+07	112454.900	9.56
OF06006-CAL9	200	2.214054E+07	110702.700	9.56

AVE RF 119655.200 RF RSD 10.75 AVE RT 9.56

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

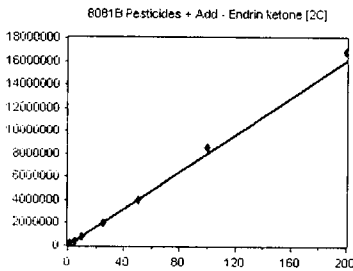


Standard	Concentration	Response	Response Factor	RT
OF06006-CALA	0.5	48879	97758.000	9.56
OF06006-CALB	1	87426	87426.000	9.57
OF06006-CALC	2	152823	76411.500	9.57
OF06006-CALD	5	323437	64687.400	9.57
OF06006-CALE	10	671191	67119.100	9.57
OF06006-CALF	25	1615401	64616.040	9.57
OF06006-CALG	50	3059409	61188.180	9.57
OF06006-CALH	100	6266397	62663.970	9.57
OF06006-CALI	200	1.252827E+07	62641.350	9.57

AVE RF 71612.390 RF RSD 18.09 AVE RT 9.57

Endrin ketone [2C]

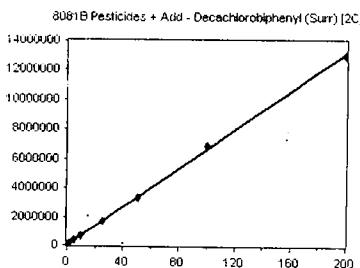
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	44615	89230.000	9.58
OF06006-CAL2	1	84512	84512.000	9.58
OF06006-CAL3	2	146790	73395.000	9.58
OF06006-CAL4	5	374954	74990.800	9.58
OF06006-CAL5	10	739050	73905.000	9.58
OF06006-CAL6	25	1944851	77794.040	9.58
OF06006-CAL7	50	3973627	79472.540	9.58
OF06006-CAL8	100	8564413	85644.130	9.58
OF06006-CAL9	200	1.683233E+07	84161.650	9.58

AVE RF 80345.020 RF RSD 7.16 AVE RT 9.58

Decachlorobiphenyl (Surr) [2C] Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OF06006-CAL1	0.5	43135	86270.000	10.43
OF06006-CAL2	1	83248	83248.000	10.43
OF06006-CAL3	2	138683	69341.500	10.43
OF06006-CAL4	5	346784	69356.800	10.43
OF06006-CAL5	10	692441	69244.100	10.43
OF06006-CAL6	25	1649693	65987.720	10.43
OF06006-CAL7	50	3300114	66002.280	10.43
OF06006-CAL8	100	6892489	68924.890	10.43
OF06006-CAL9	200	1.301789E+07	65089.450	10.43

AVE RF 71496.080 RF RSD 10.82 AVE RT 10.43

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06006

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: 0F06006

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0F06006-ICB1	Initial Cal Blank	Water	A20F087		6/6/2020 4:57:00PM
0F06006-CAL1	Cal Standard	Water	A20F080	"	6/6/2020 5:14:00PM
0F06006-CAL2	Cal Standard	Water	A20F081	"	6/6/2020 5:31:00PM
0F06006-CAL3	Cal Standard	Water	A20C179	"	6/6/2020 5:48:00PM
0F06006-CAL4	Cal Standard	Water	A20C180	"	6/6/2020 6:05:00PM
0F06006-CAL5	Cal Standard	Water	A20C181	"	6/6/2020 6:22:00PM
0F06006-CAL6	Cal Standard	Water	A20C182	"	6/6/2020 6:39:00PM
0F06006-CAL7	Cal Standard	Water	A20E232	"	6/6/2020 6:56:00PM
0F06006-CAL8	Cal Standard	Water	A20E233	"	6/6/2020 7:13:00PM
0F06006-CAL9	Cal Standard	Water	A20C177	"	6/6/2020 7:30:00PM
0F06006-ICV1	Initial Cal Check	Water	A20C164	"	6/6/2020 8:04:00PM
0F06006-CALA	Cal Standard	Water	A20F082	"	6/6/2020 8:22:00PM
0F06006-CALB	Cal Standard	Water	A20C353	"	6/6/2020 8:39:00PM
0F06006-CALC	Cal Standard	Water	A20C354	"	6/6/2020 8:56:00PM
0F06006-CALD	Cal Standard	Water	A20C355	"	6/6/2020 9:13:00PM
0F06006-CALE	Cal Standard	Water	A20C356	"	6/6/2020 9:30:00PM
0F06006-CALF	Cal Standard	Water	A20C357	"	6/6/2020 9:47:00PM
0F06006-CALG	Cal Standard	Water	A20C358	"	6/6/2020 10:04:00PM
0F06006-CALH	Cal Standard	Water	A20C359	"	6/6/2020 10:21:00PM
0F06006-CALI	Cal Standard	Water	A20C352	"	6/6/2020 10:38:00PM
0F06006-ICV2	Initial Cal Check	Water	A20C360	"	6/6/2020 11:12:00PM
0F06006-CALJ	Cal Standard	Water	A20F083	"	6/6/2020 11:29:00PM
0F06006-CALK	Cal Standard	Water	A20F057	"	6/6/2020 11:47:00PM
0F06006-CALL	Cal Standard	Water	A20F058	"	6/7/2020 12:04:00AM
0F06006-CALM	Cal Standard	Water	A20F059	"	6/7/2020 12:21:00AM
0F06006-CALN	Cal Standard	Water	A20F060	"	6/7/2020 12:38:00AM
0F06006-CALO	Cal Standard	Water	A20F061	"	6/7/2020 12:55:00AM
0F06006-CALP	Cal Standard	Water	A20F056	"	6/7/2020 1:12:00AM
0F06006-ICV3	Initial Cal Check	Water	A20F062	"	6/7/2020 1:46:00AM
0F06006-CALQ	Cal Standard	Water	A20F084	"	6/7/2020 2:03:00AM
0F06006-CALR	Cal Standard	Water	A20F064	"	6/7/2020 2:20:00AM
0F06006-CALS	Cal Standard	Water	A20F065	"	6/7/2020 2:37:00AM
0F06006-CALT	Cal Standard	Water	A20F066	"	6/7/2020 2:55:00AM
0F06006-CALU	Cal Standard	Water	A20D430	"	6/7/2020 3:12:00AM
0F06006-CALV	Cal Standard	Water	A20D431	"	6/7/2020 3:29:00AM
0F06006-CALW	Cal Standard	Water	A20F063	"	6/7/2020 3:46:00AM
0F06006-ICV4	Initial Cal Check	Water	A20F067	"	6/7/2020 4:20:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0F0805**

Instrument: **DualECD3F**

1311/8081B TCLP Pest Reg L

Sequence: **0F06006**

Matrix: **Water**

SampleID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06006-CAL1					
0F06006-CAL2					
0F06006-CAL3					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06006

Calibration ID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06006-CAL4					
0F06006-CAL5					
0F06006-CAL6					
0F06006-CAL7					
0F06006-CAL8					
0F06006-CAL9					
0F06006-CALA					
0F06006-CALB					
0F06006-CALC					
0F06006-CALD					
0F06006-CALE					
0F06006-CALF					
0F06006-CALG					
0F06006-CALH					
0F06006-CALI					
0F06006-CALJ					
0F06006-CALK					
0F06006-CALL					
0F06006-CALM					
0F06006-CALN					
0F06006-CALO					
0F06006-CALP					
0F06006-CALQ					
0F06006-CALR					
0F06006-CALS					
0F06006-CALT					
0F06006-CALU					
0F06006-CALV					
0F06006-CALW					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06006

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: **A0F0805** Instrument: **DualECD3F**

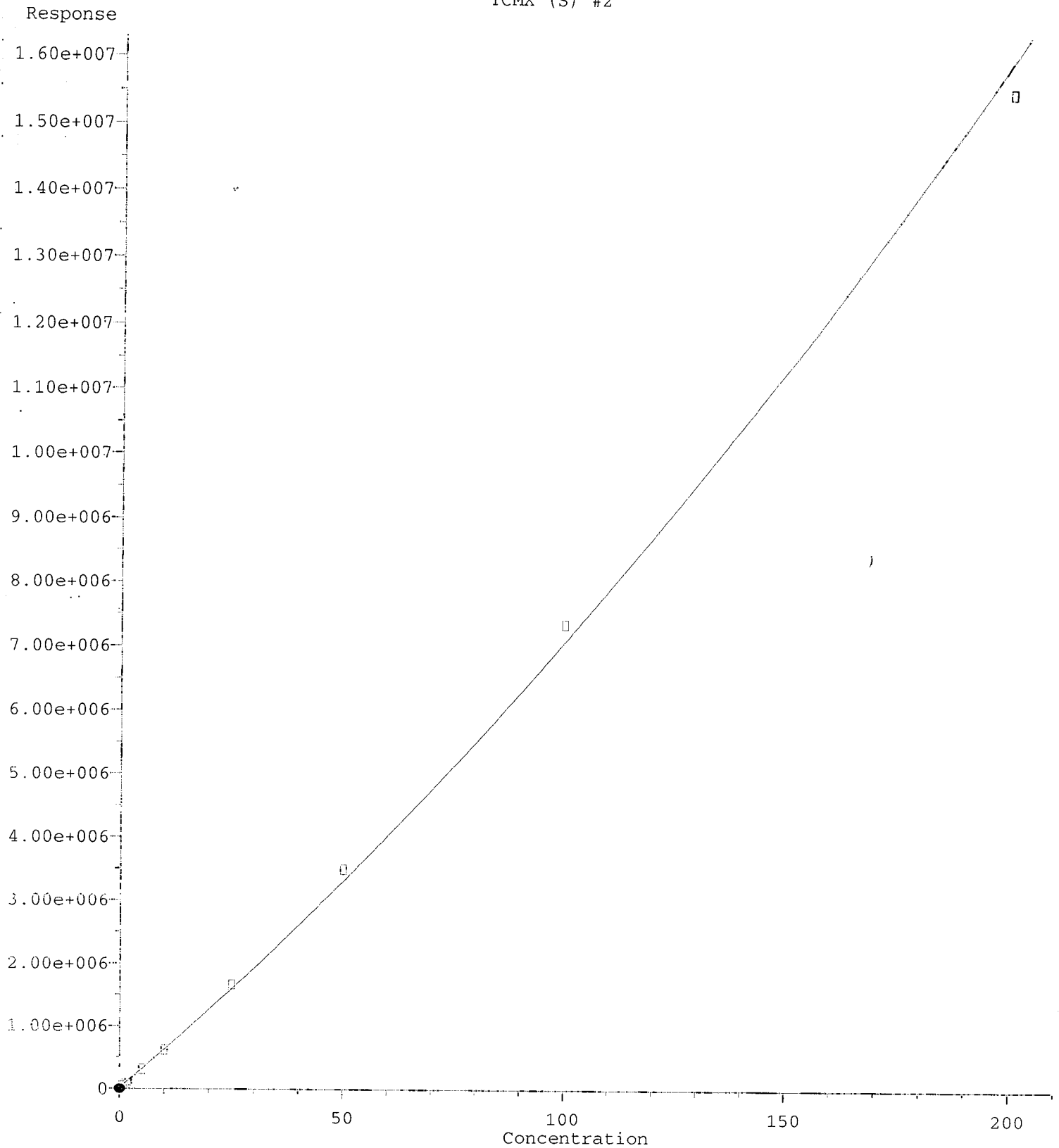
608.3 Pesticides

Sequence: **0F06006**

Matrix: **Water**

	Inst. MRL	ICV Level	Result	%Rec.	Qual
0F06006-ICV1					
0F06006-ICV2					
0F06006-ICV3					
0F06006-ICV4					

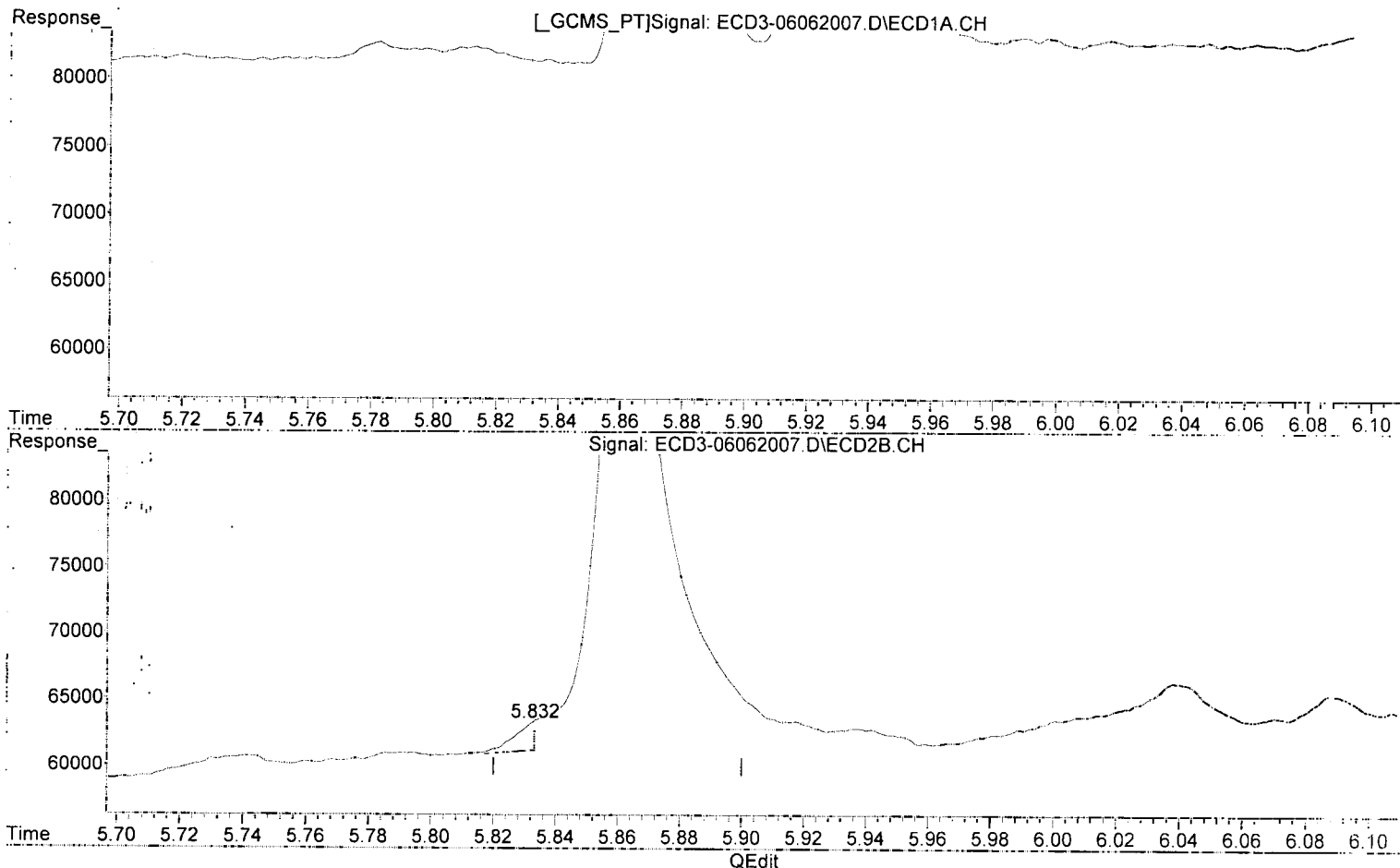
Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

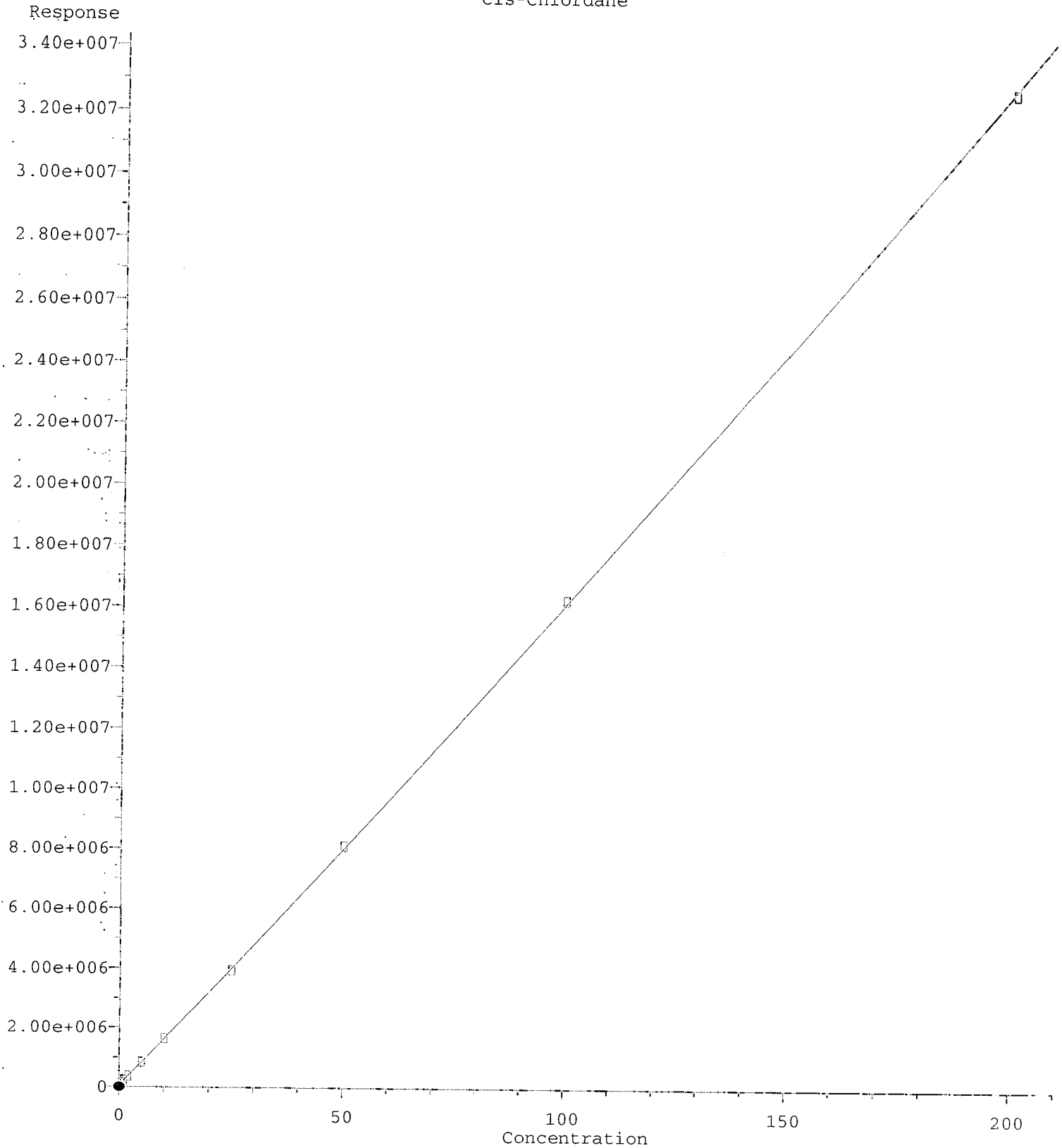


(1) TCMX (S) (S)
5.329min 0.550 ng/mL
response 82172

MJB 6/8/20

(1) TCMX (S) #2 (S)
5.832min -0.142 ng/mL (m)
response 2095

cis-Chlordane

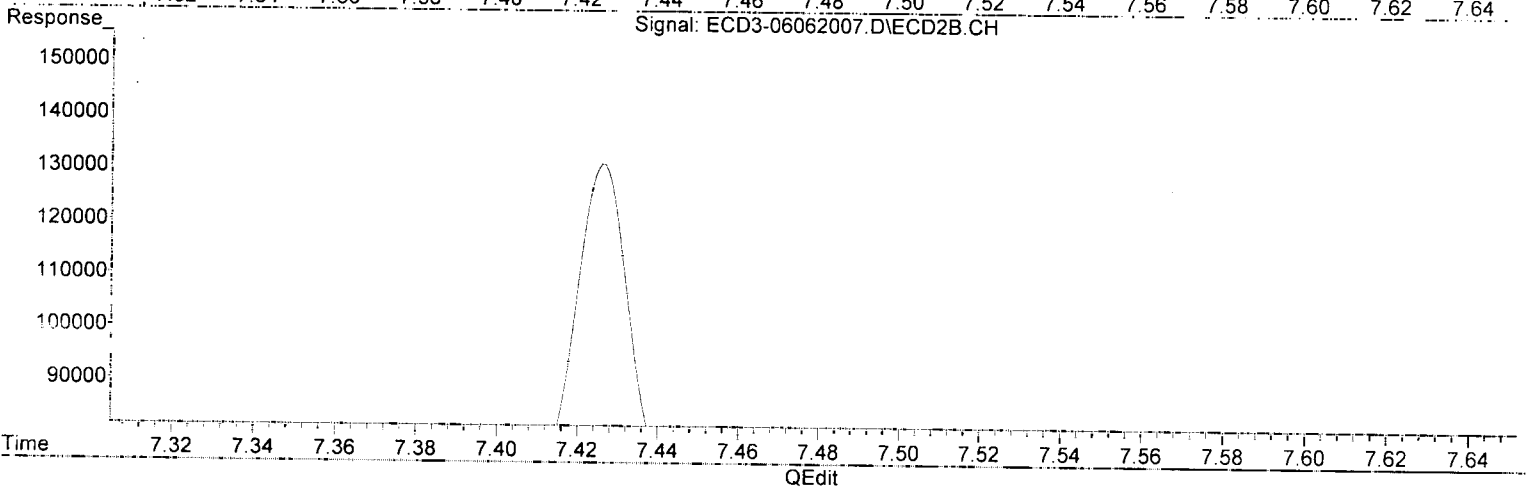
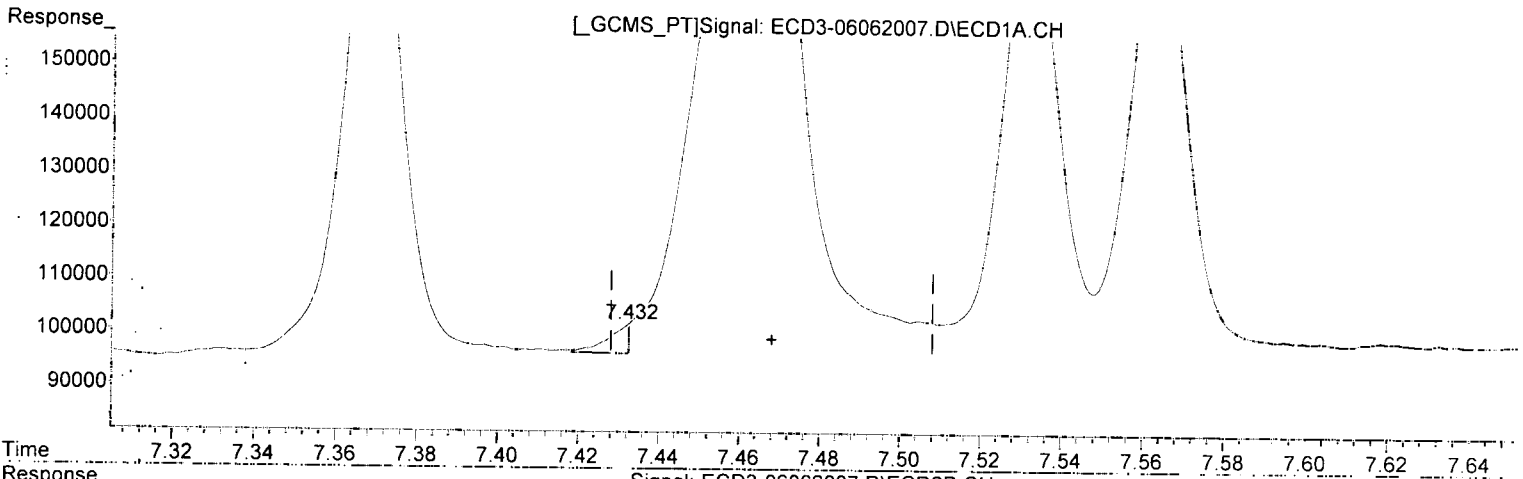


R = 3.21e+001 A*A + 1.57e+005 A + 5.07e+004
Coef of Det (r^2) = 0.9999
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table: [unreadable]

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



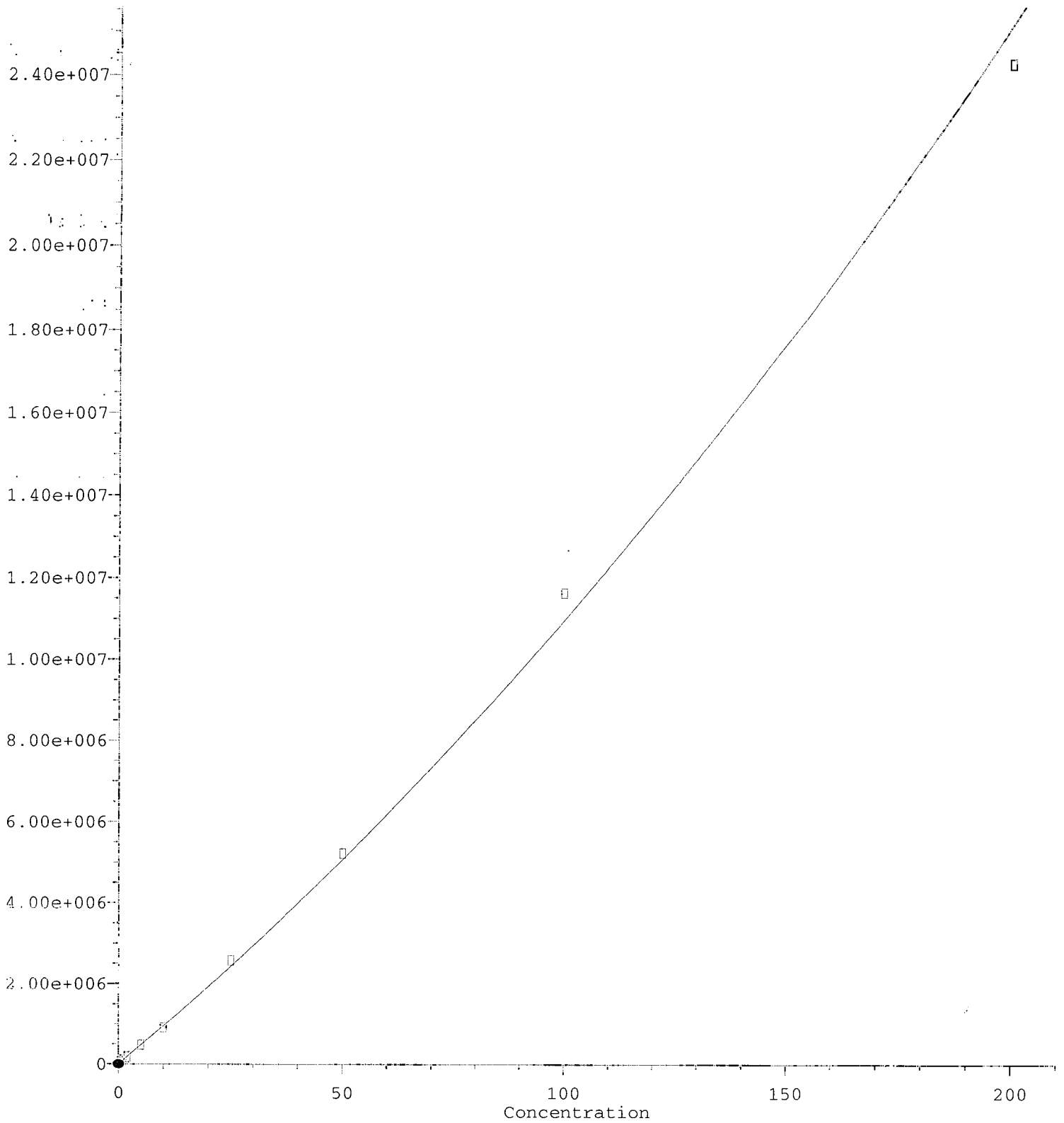
(10) cis-Chlordane
7.432min -0.288 ng/mL(m)
response 5446

MJB 6/8/20

(10) cis-Chlordane #2
8.118min 0.600 ng/mL
response 64771

4,4'-DDT

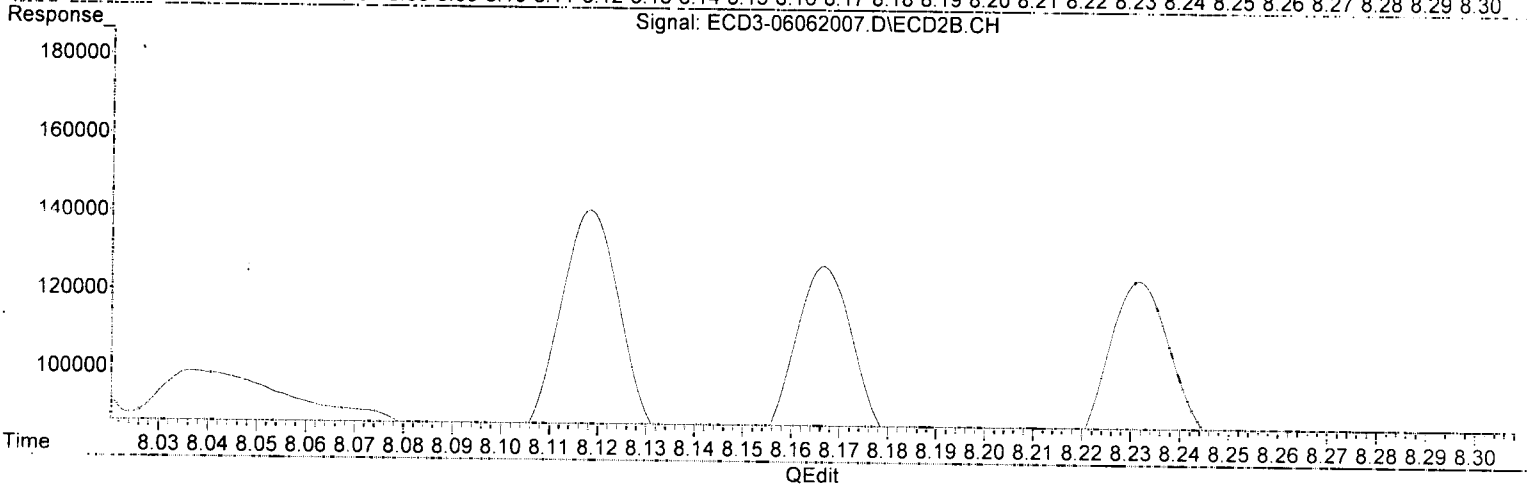
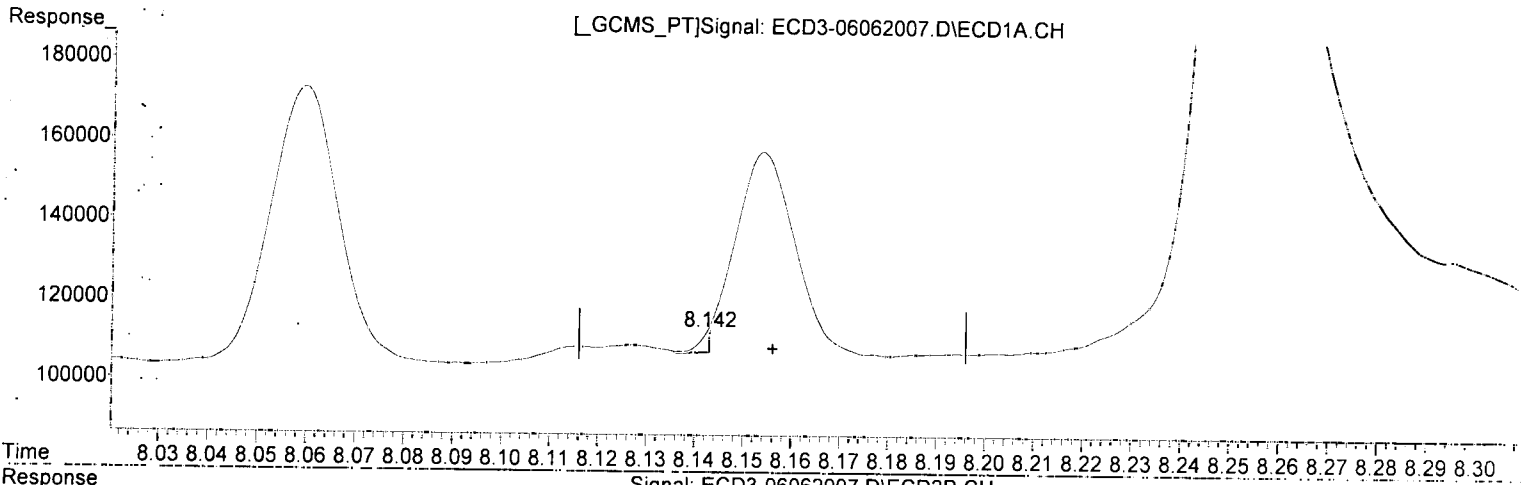
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



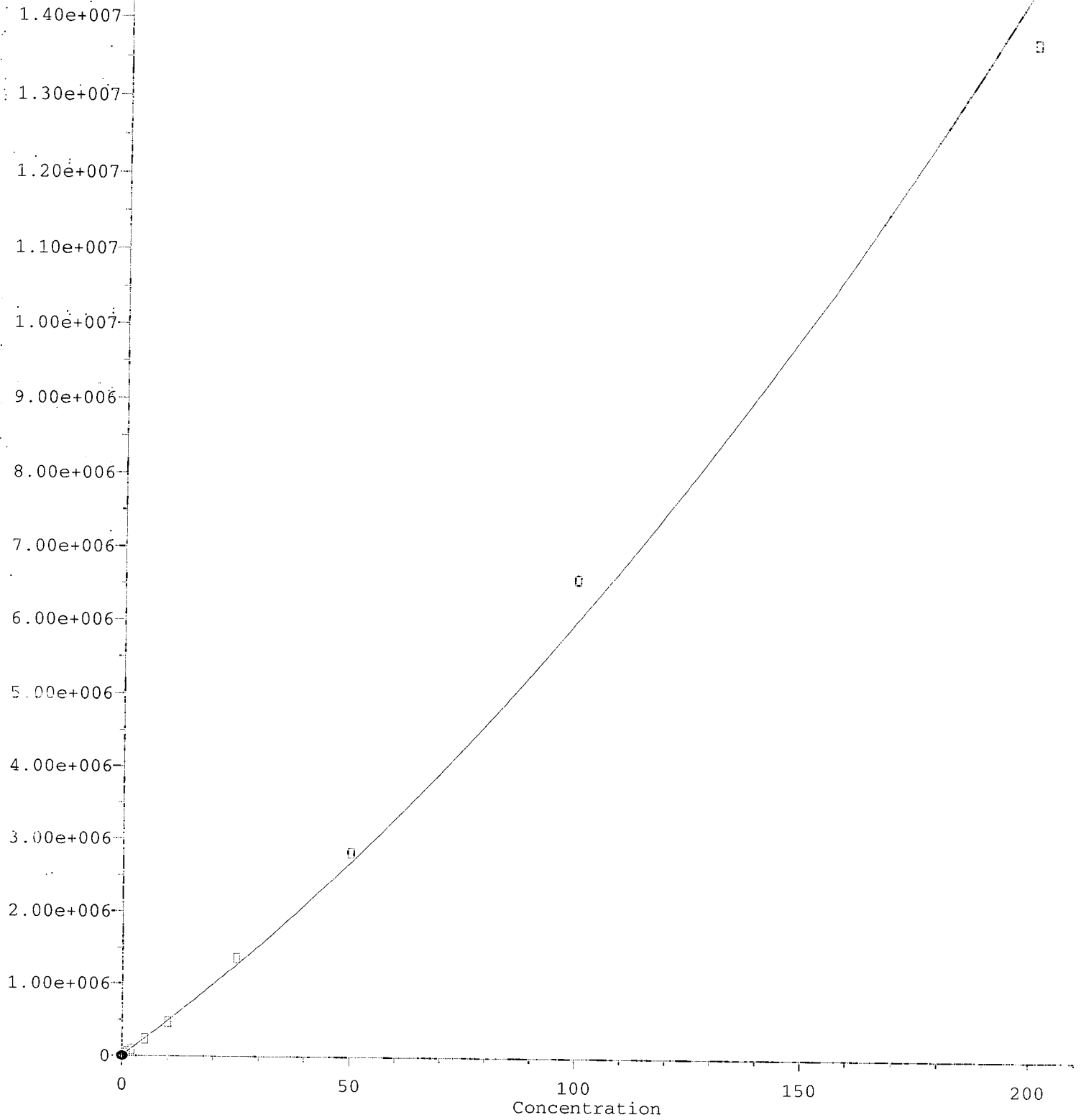
(17) 4,4'-DDT
8.142min 0.010 ng/mL (m)
response 5190

MJB
6/8/20

(17) 4,4'-DDT #2
8.875min 0.513 ng/mL
response 32321

4,4'-DDT #2

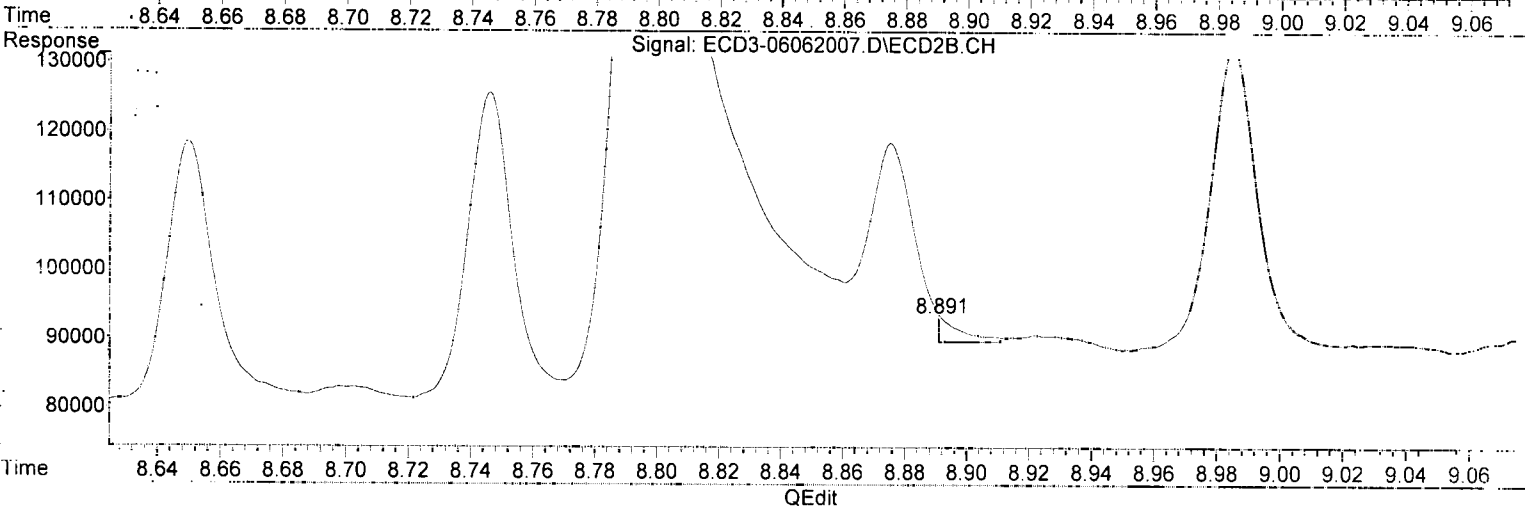
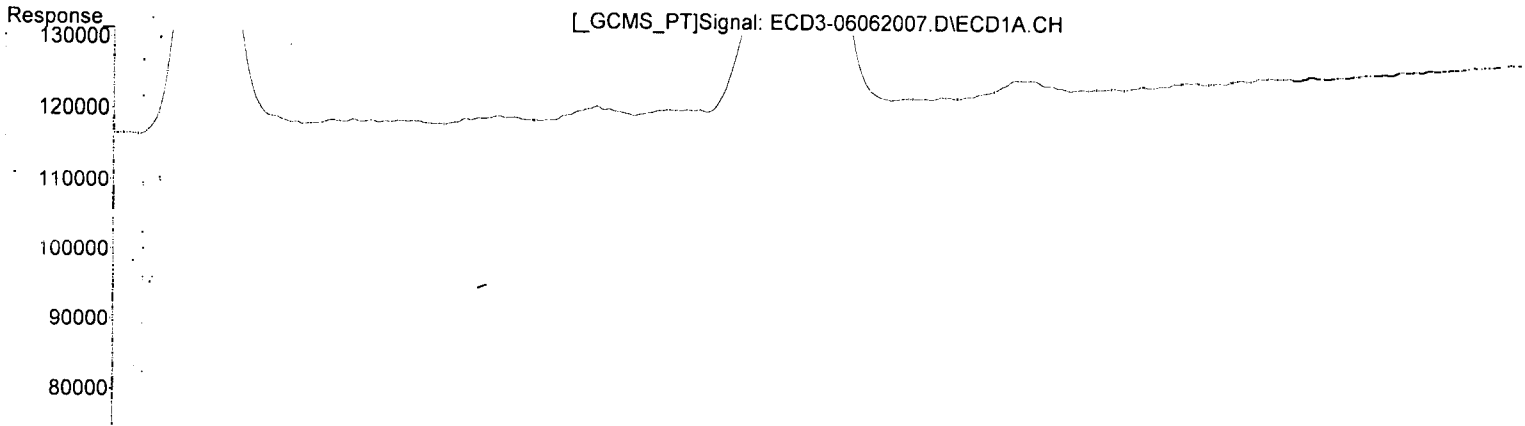
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

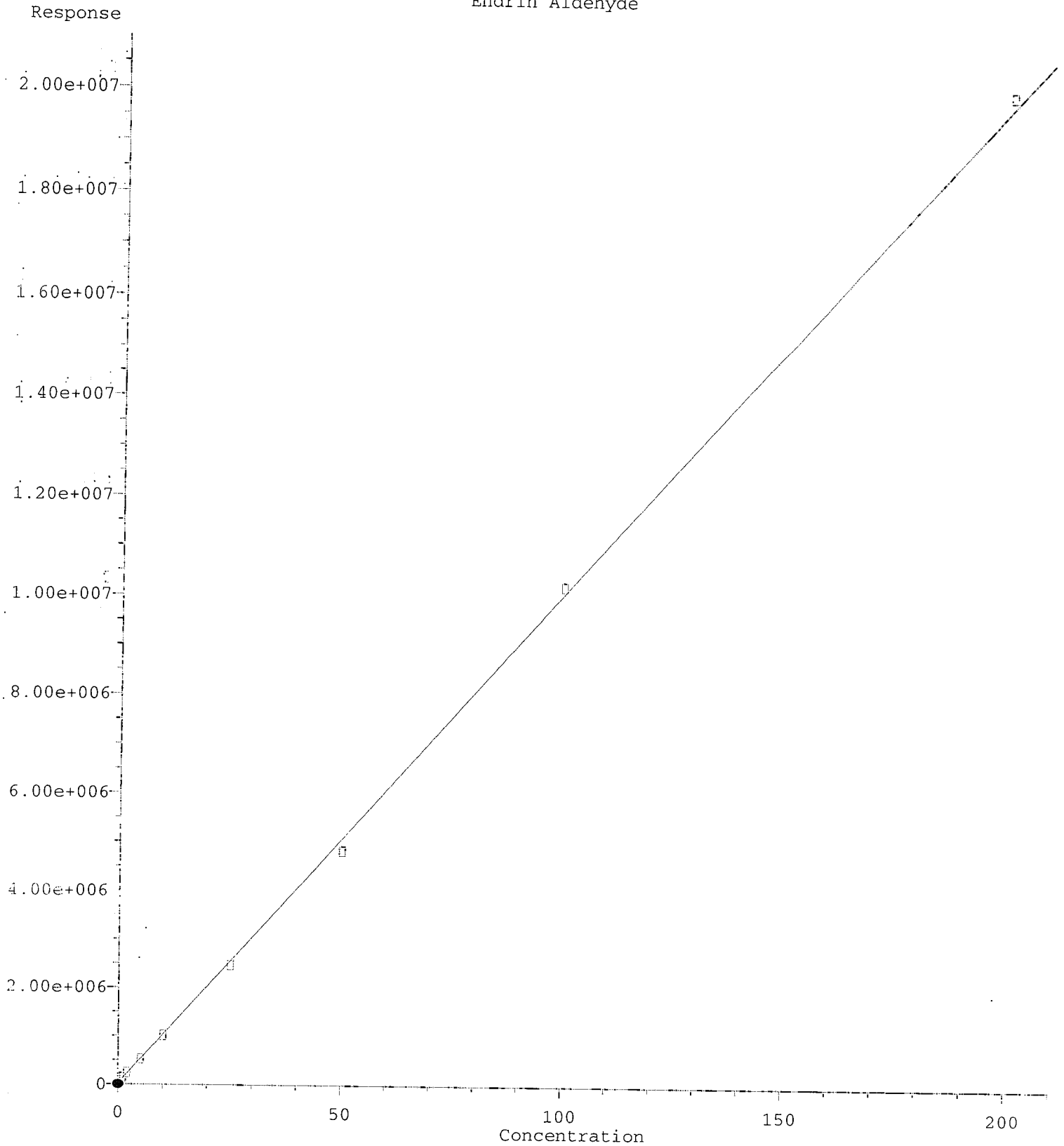
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.142min 0.010 ng/mL m
response 5190

(17) 4,4'-DDT #2
8.891min -0.087 ng/mL m
response 3950

Endrin Aldehyde

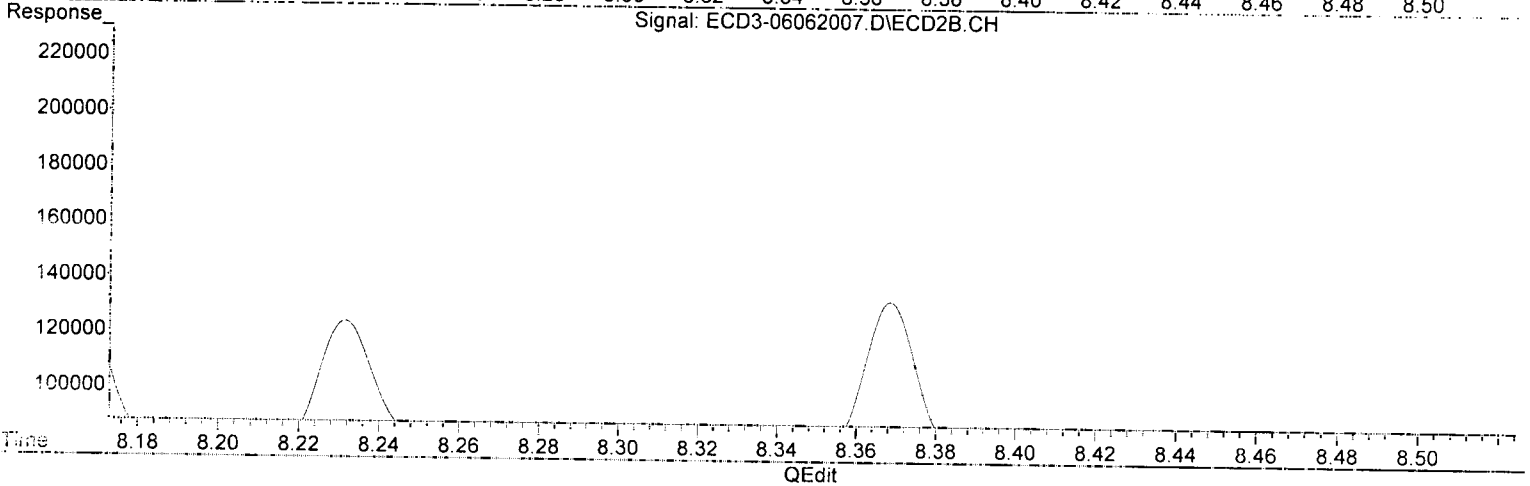
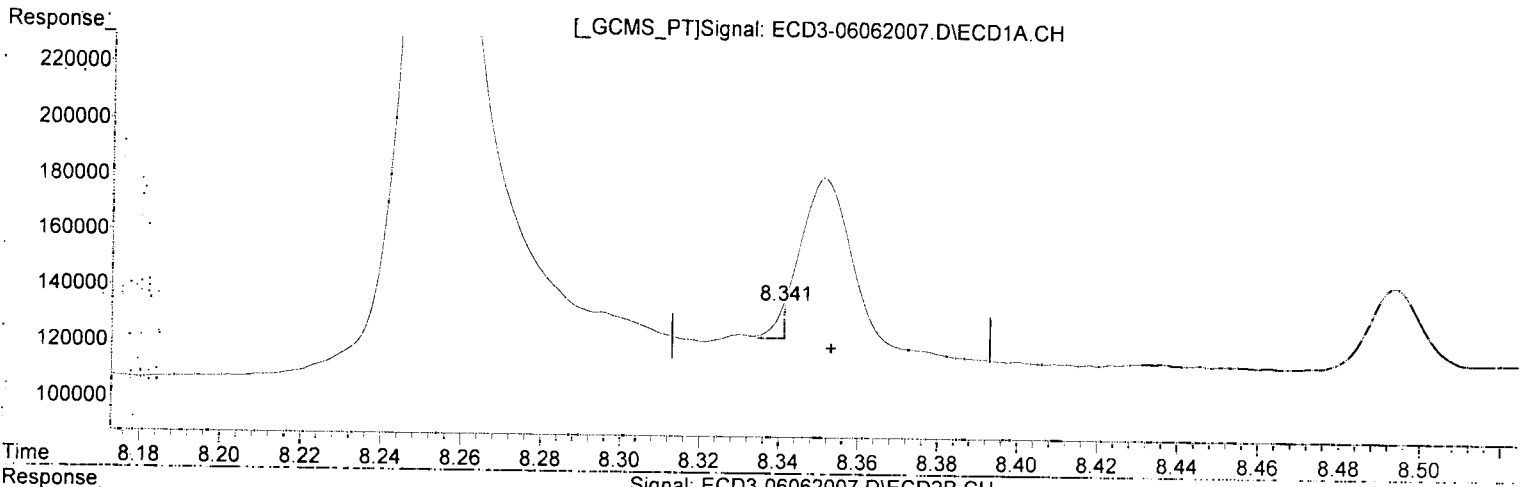


R = -1.46e+001 A*A + 1.02e+005 A + 2.10e+004
Coef of Det (r^2) = 0.999999
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table Last Updated: 07/14/2007

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



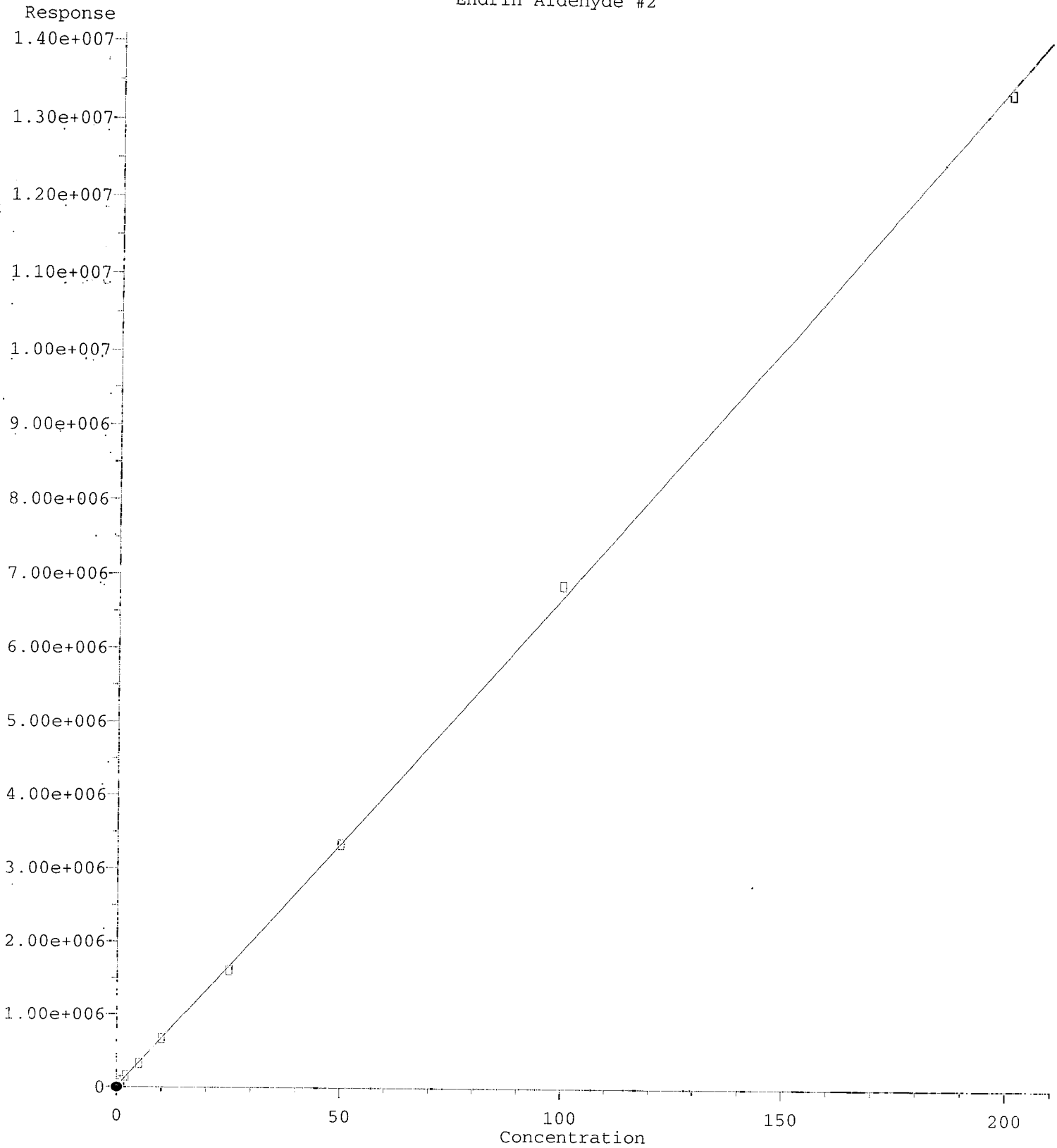
(18) Endrin Aldehyde

8.341min 6984.986 ng/mL(m) *Q-001*
response 11750 *WJZ 6/8/20*

(18) Endrin Aldehyde #2

8.985min 0.480 ng/mL
response 43549

Endrin Aldehyde #2

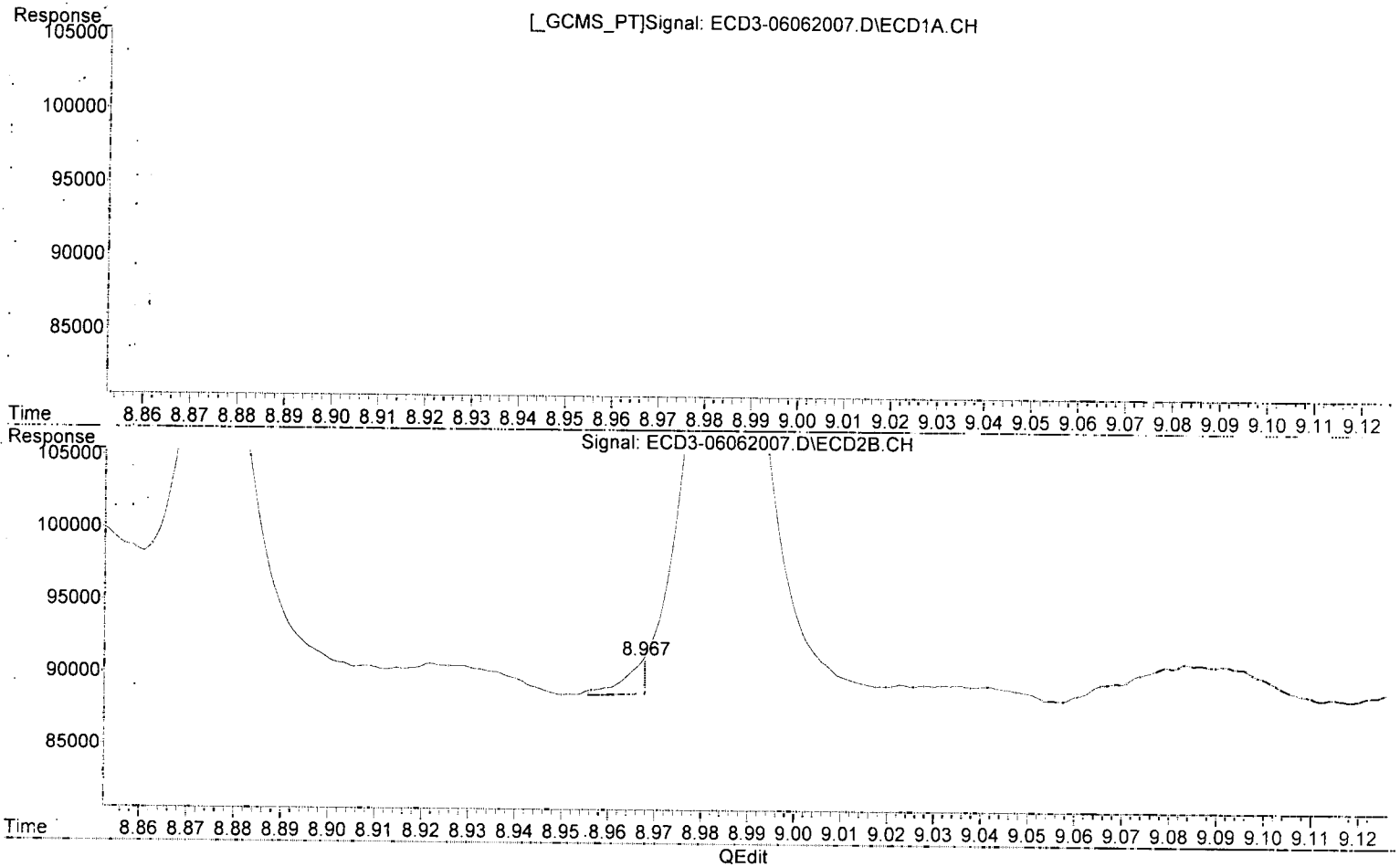


R = 6.51e+000 A*A + 6.61e+004 A + 1.18e+004
Coef of Det (r^2) = 0.994298
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jul 07 13:02:25 2008
07/04/2008 Anchor Cove ELC Gasco Per Da DG 2010-14a DOC-CAP Testing Cores Page 800 of 1305

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

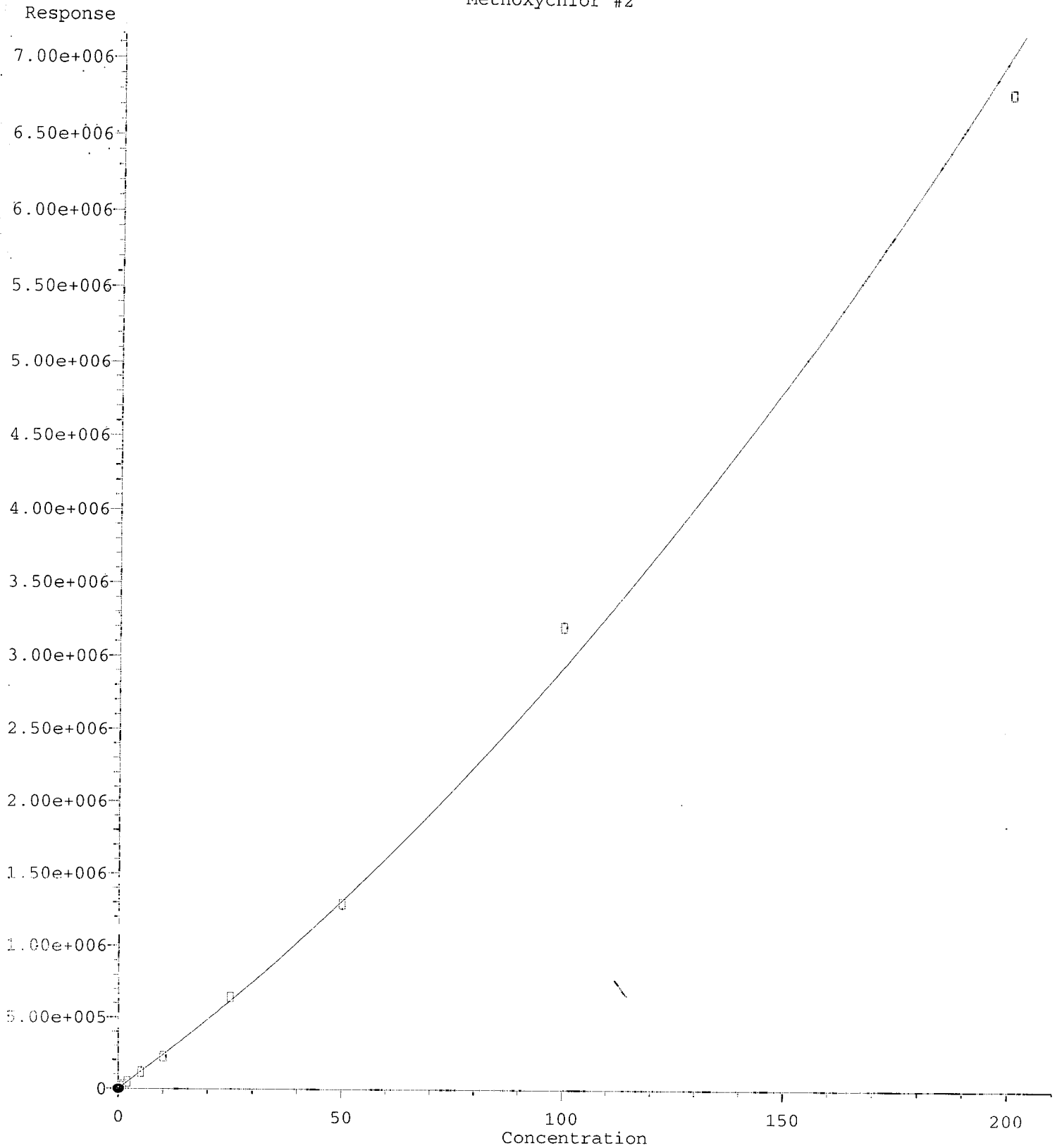


(18) Endrin Aldehyde
8.341min 6984.986 ng/mL m
response 11750

*MJB
6/8/20*

(18) Endrin Aldehyde #2
8.967min -0.143 ng/mL (m)
response 2371

Methoxychlor #2

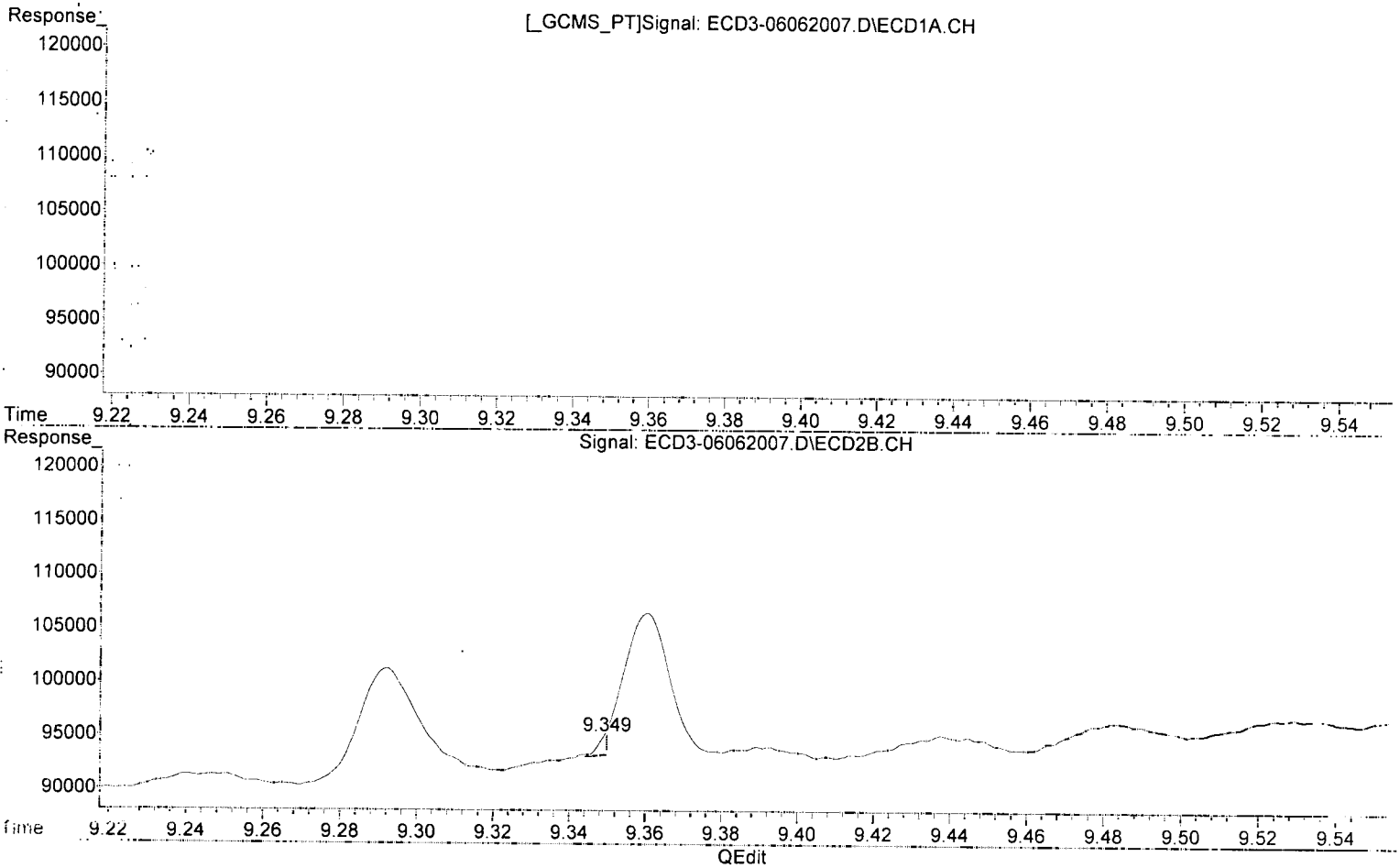


R = 6.12e+001 A*A + 2.31e+004 A + 2.14e+003
Coef of Det (r^2) = 0.9999
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table Test Method: EPA-8210-G-03-0201 Rev 01
07/04/2019 Anchor QEA-ELC Gasco-Pre RD-DG 2019-11-15 DOC-CAP Testing Cores Page 802 of 1305

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(20) Methoxychlor
8.494min 0.537 ng/mL
response 28274

MJB
6/8/20

(20) Methoxychlor #2
9.349min -0.015 ng/mL (m)
response 1790

DCBP (S)

Response

2.20e+007

2.00e+007

1.80e+007

1.60e+007

1.40e+007

1.20e+007

1.00e+007

8.00e+006

6.00e+006

4.00e+006

2.00e+006

0

0

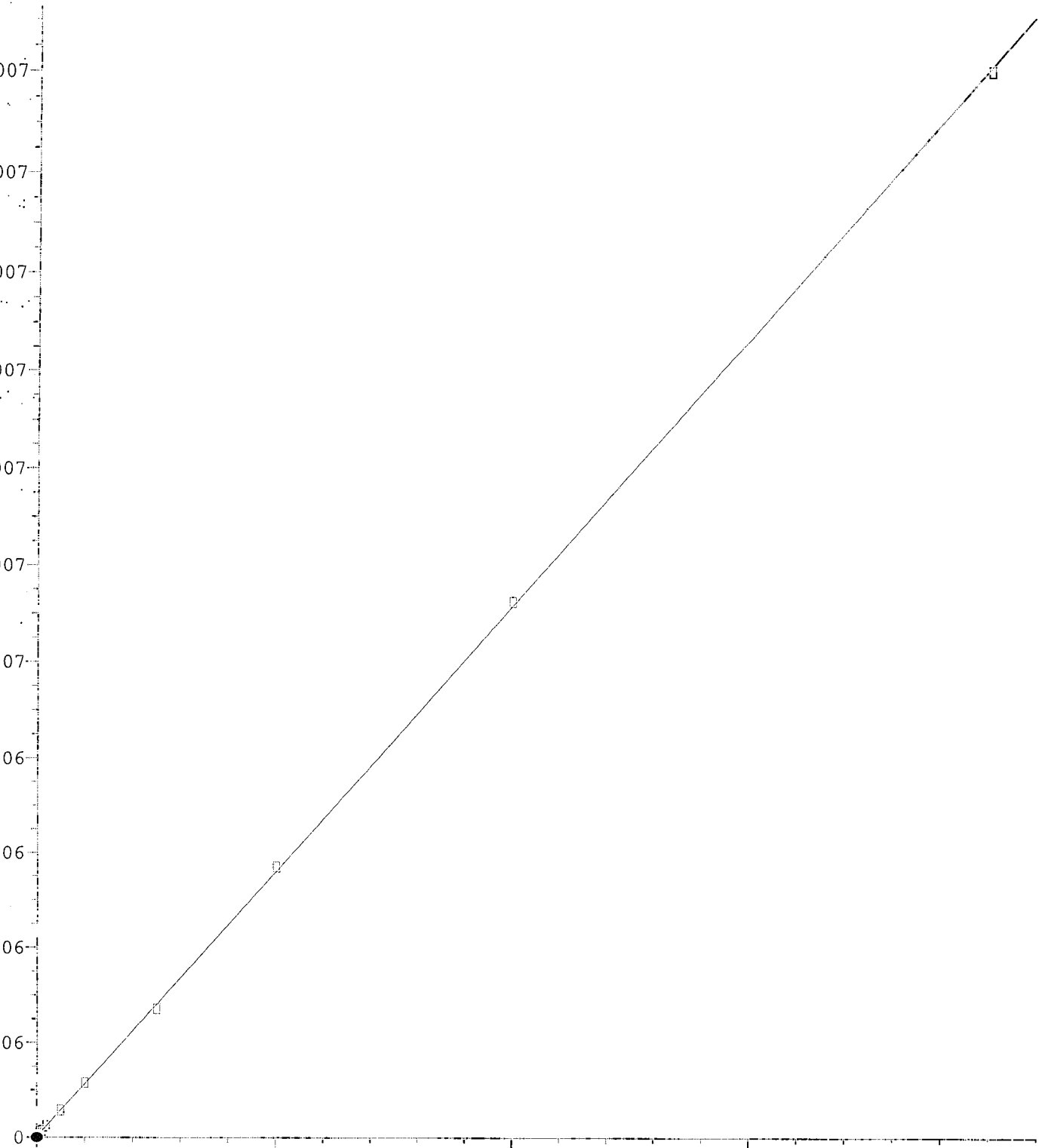
50

100

150

200

Concentration



$R = -3.72e+000 A^2 + 1.12e+005 A + 1.86e+004$

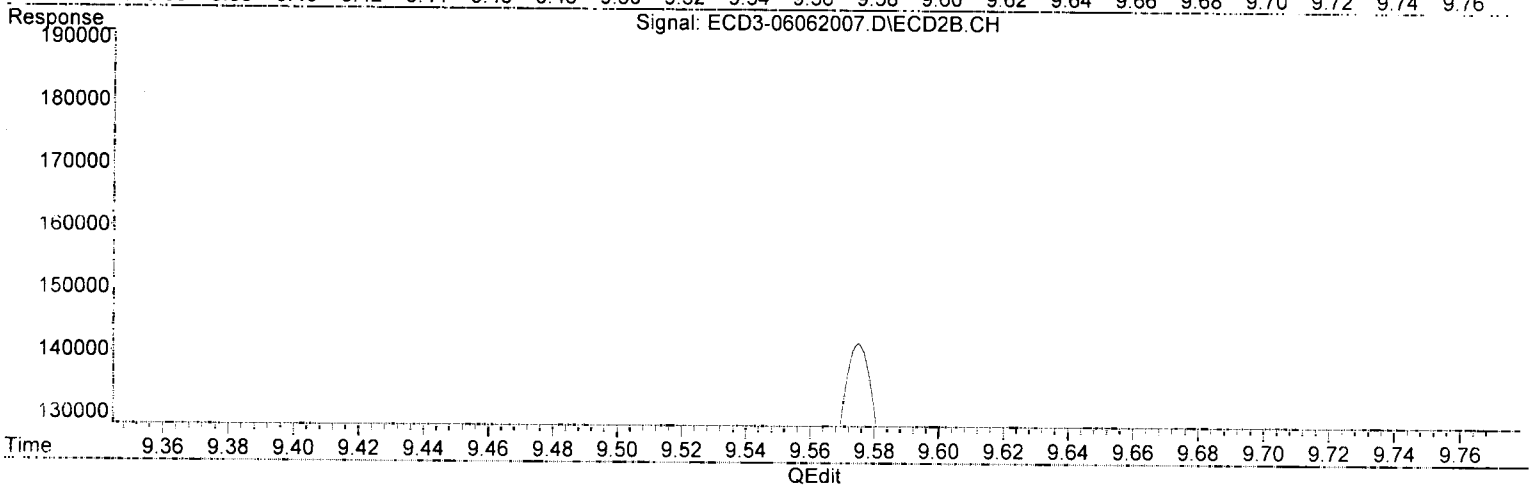
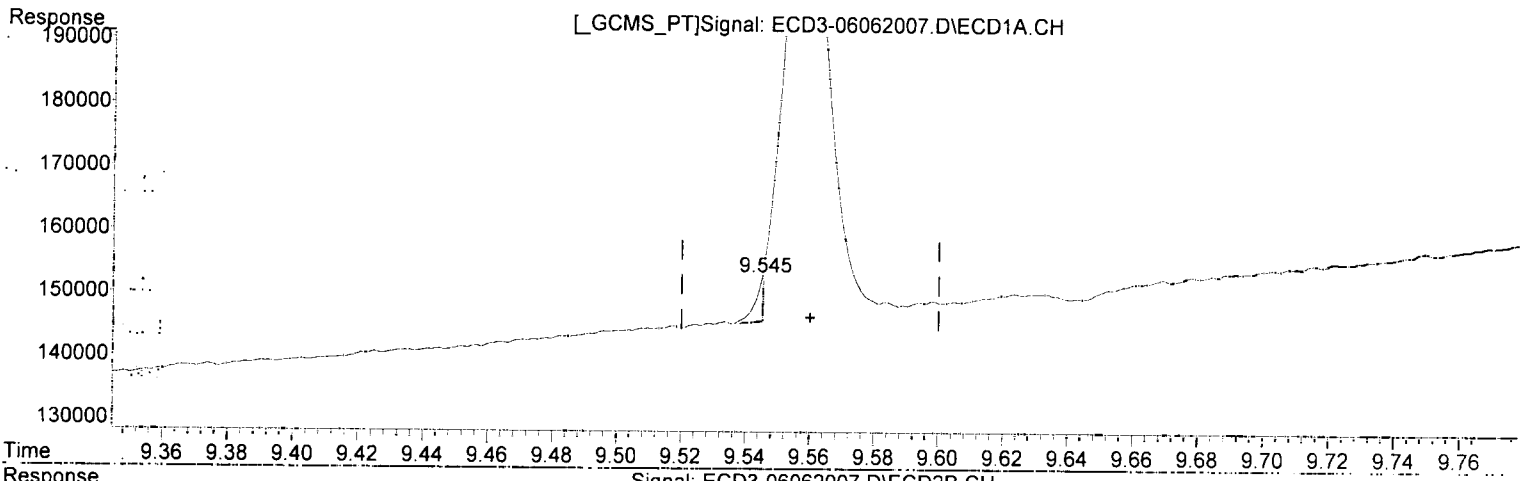
Coef. of Det (r^2) 0.9999999999999999

Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(22) DCBP (S) (S)
9.545min 30098.498 ng/mL (m) *RDU*
response 6966

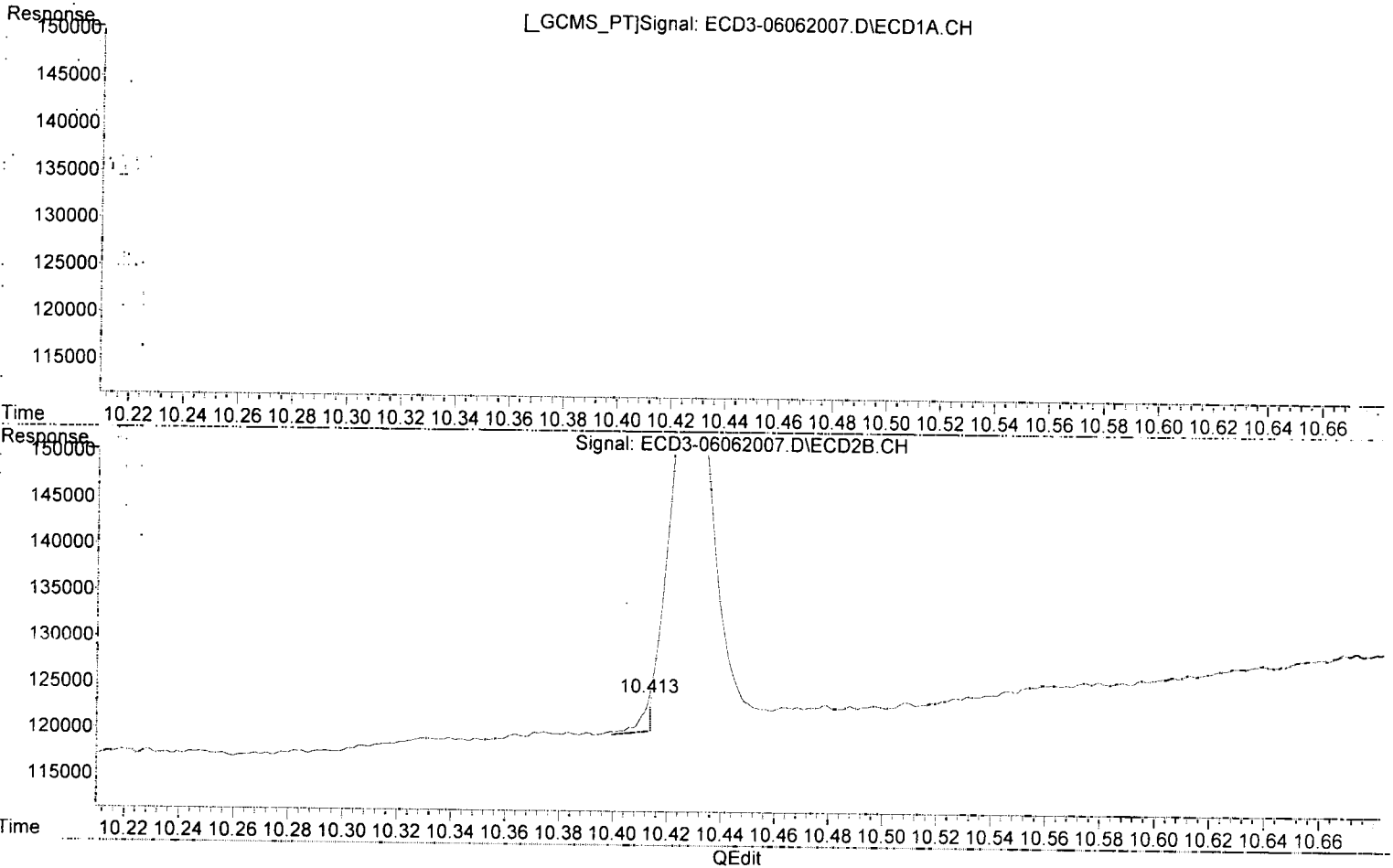
MJB
6/8/20

(22) DCBP (S) #2 (S)
10.429min 0.486 ng/mL
response 43135

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(22) DCBP (S) (S)

9.545min 30098.498 ng/mL m

response 6966

*MJB
6/8/20*

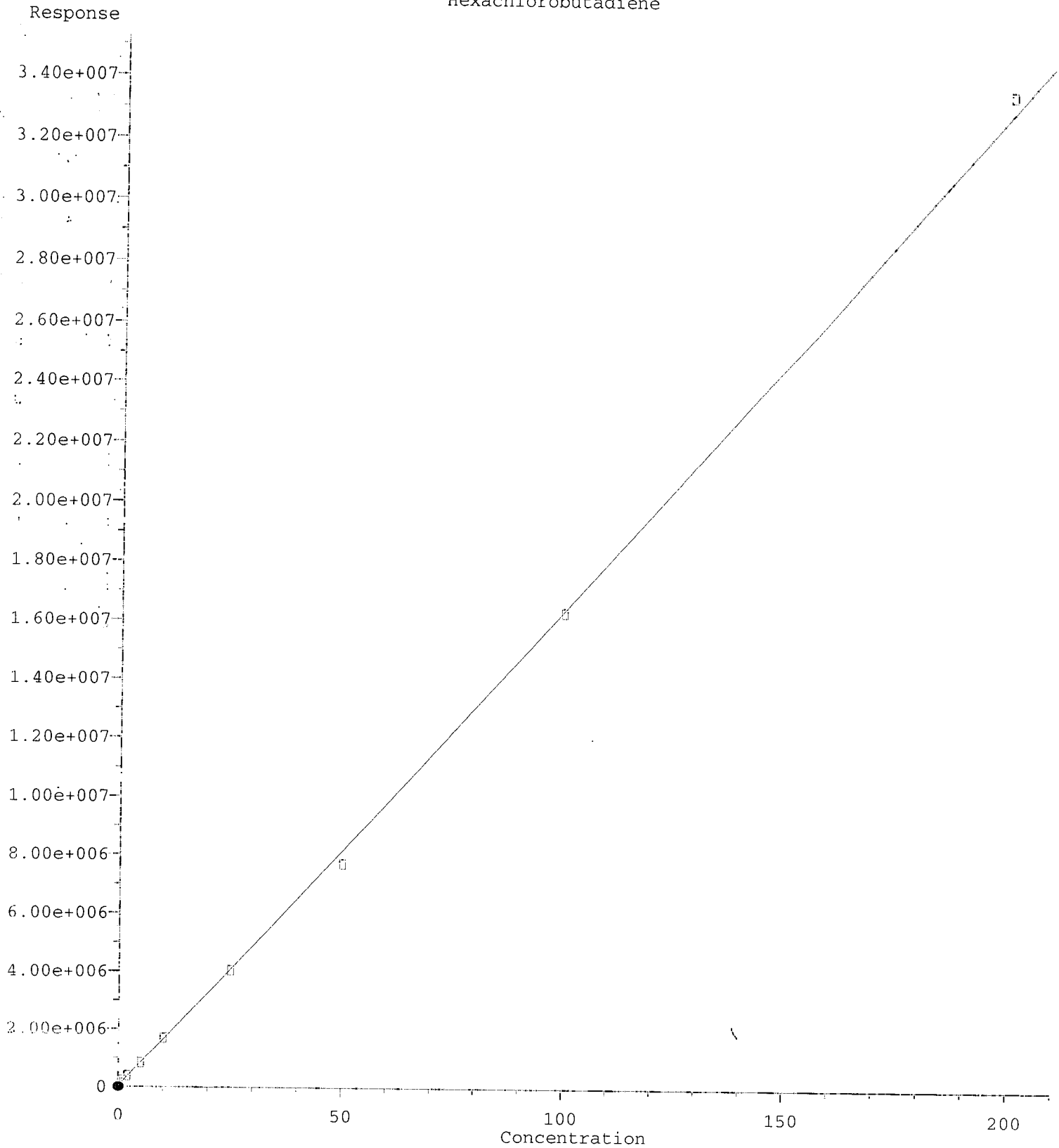
(22) DCBP (S) #2 (S)

10.413min 8152.111 ng/mL(m)

response 3737

QAC

Hexachlorobutadiene

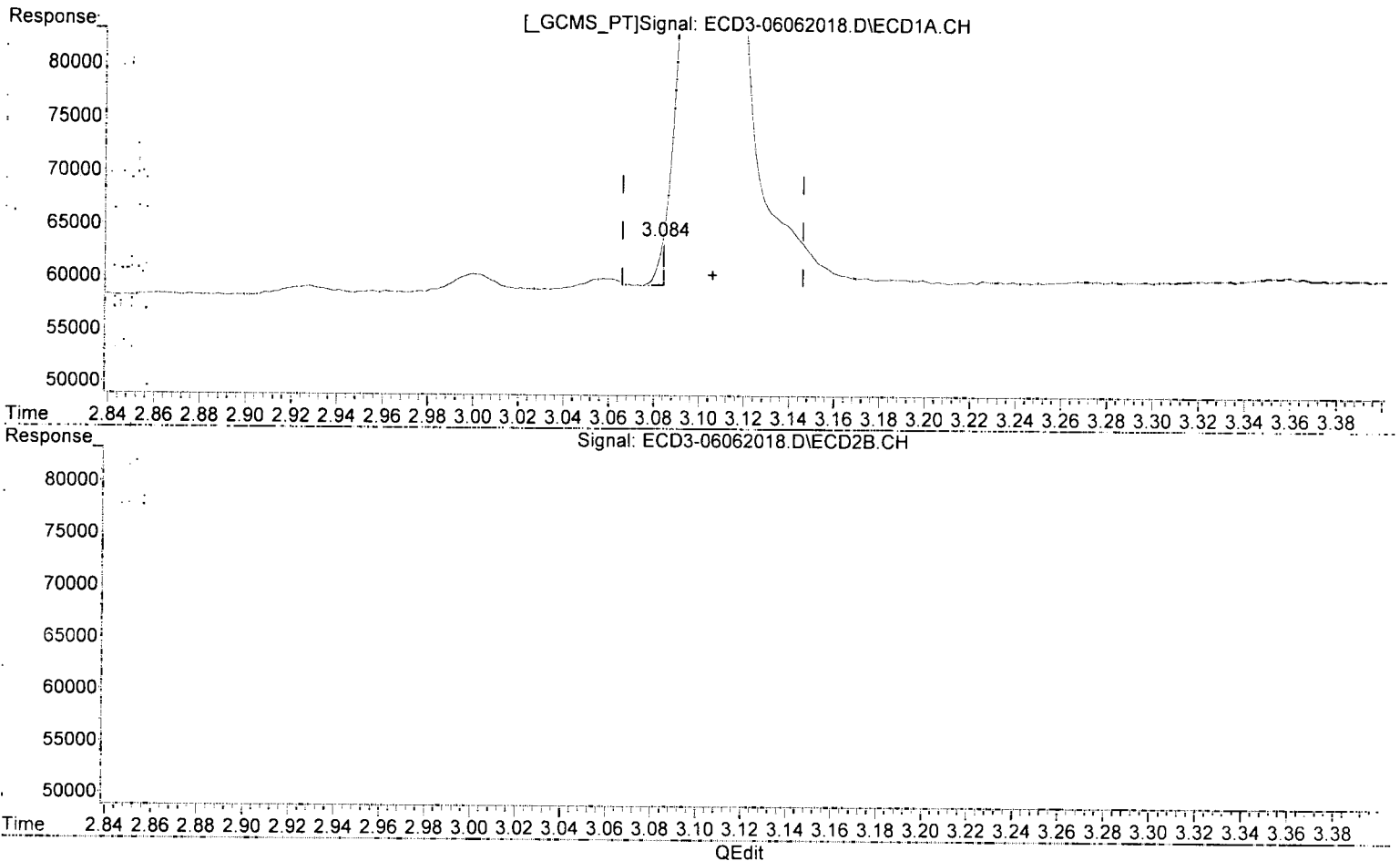


R = 1.81e+001 A*A + 1.61e+005 A + 3.85e+004
Coef of Det (r^2) = 0.9999
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(23) Hexachlorobutadiene

3.084min -0.213 ng/mL m

response 4222

MJB
6/8/20

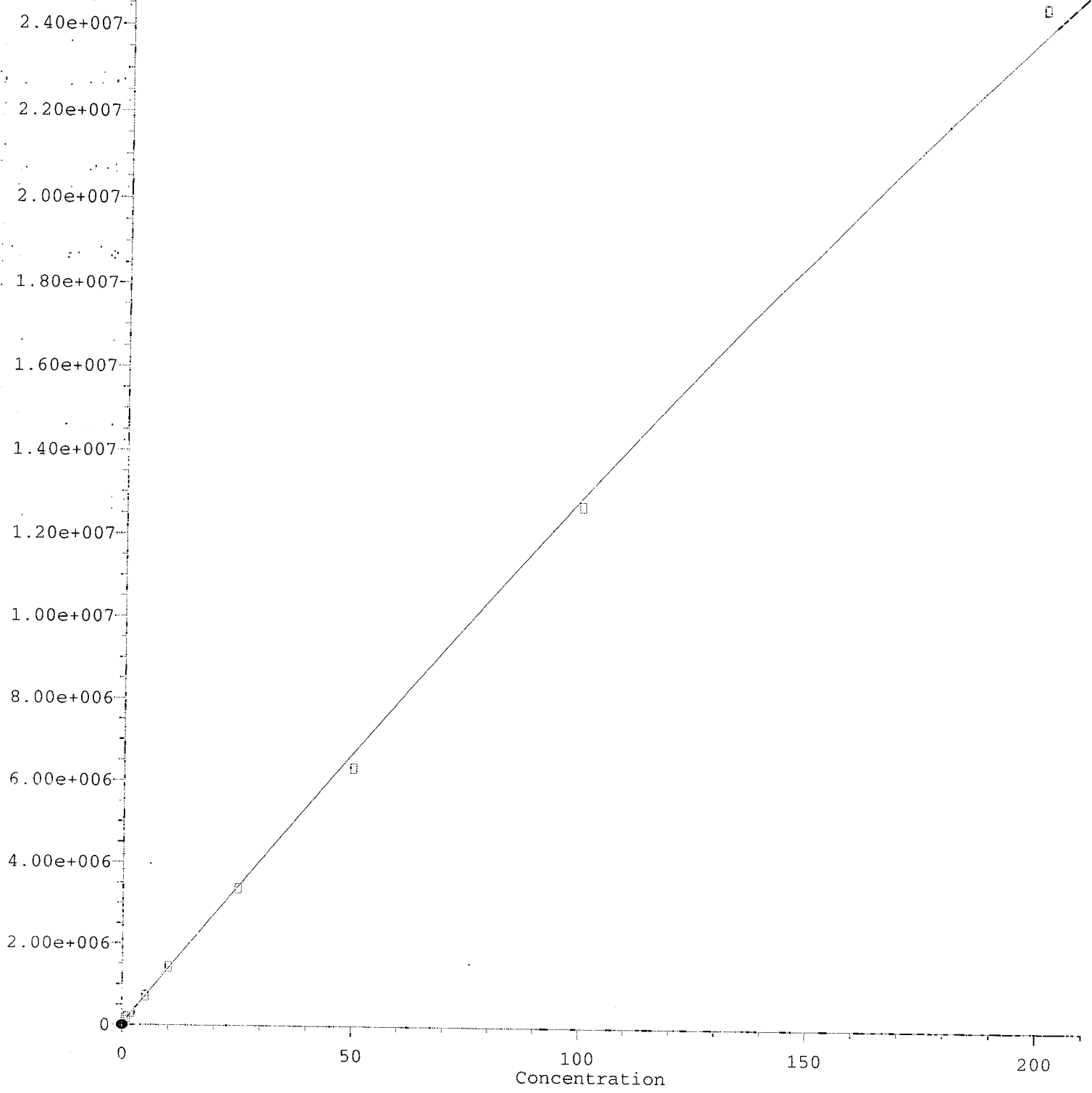
(23) Hexachlorobutadiene #2

3.529min 0.477 ng/mL

response 96859

Hexachlorobutadiene #2

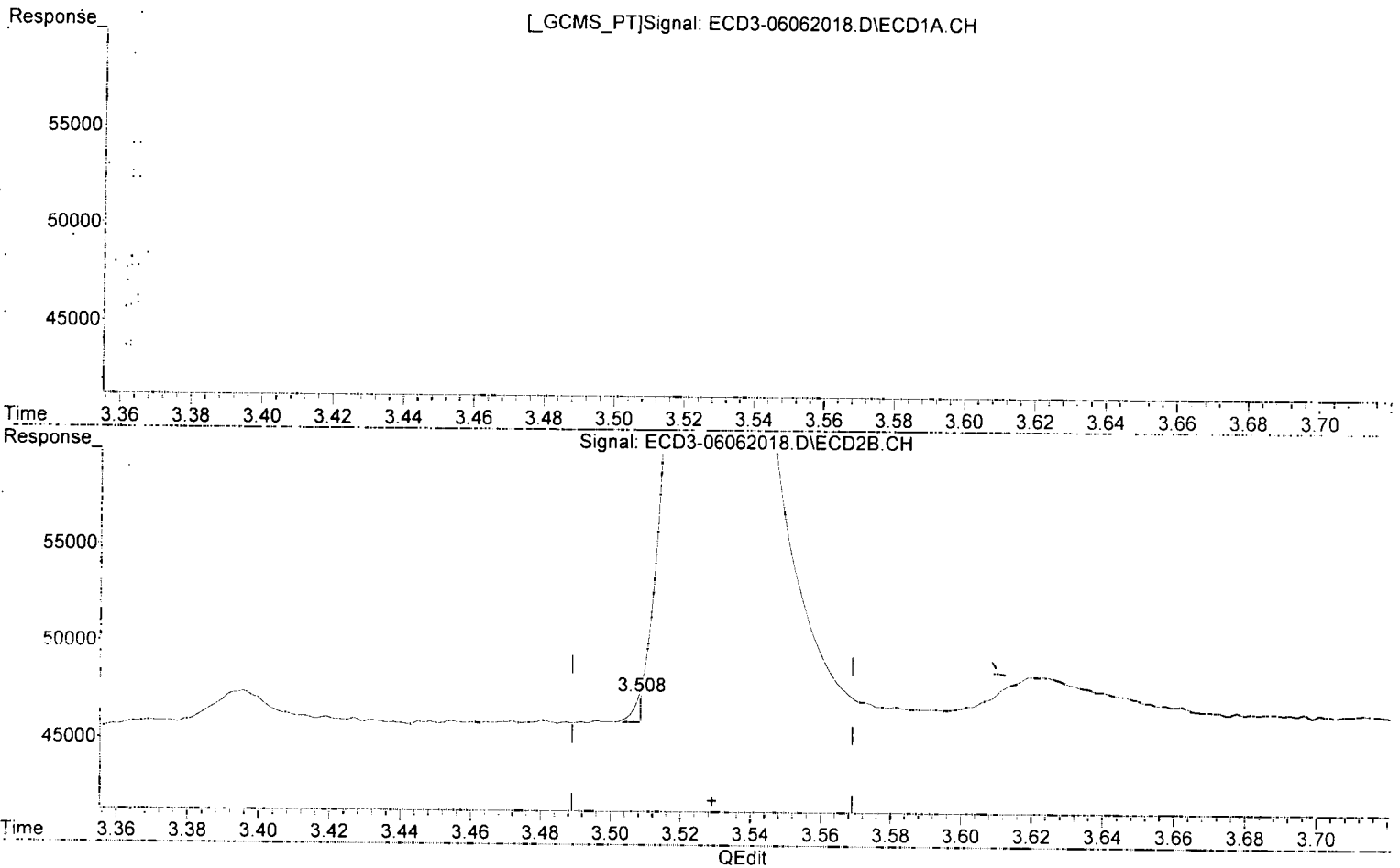
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(23) Hexachlorobutadiene
3.084min -0.213 ng/mL m
response 4222

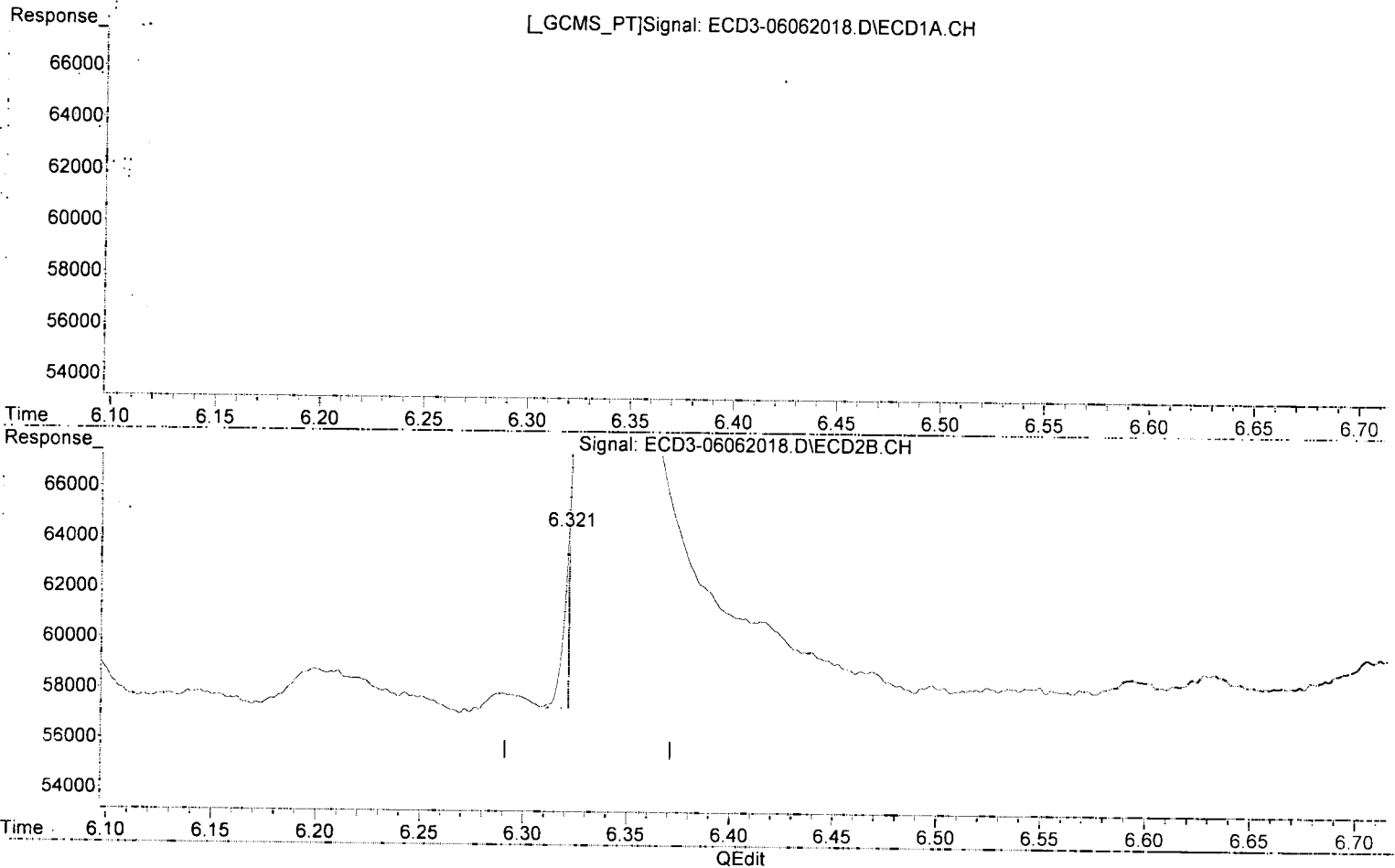
*MJB
6/4/20*

(23) Hexachlorobutadiene #2
3.508min 1522.905 ng/mL (m) *Qedit*
response 1331

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(24) Hexachlorobenzene

5.716min 0.600 ng/mL

response 87273

*MJB
6/8/20*

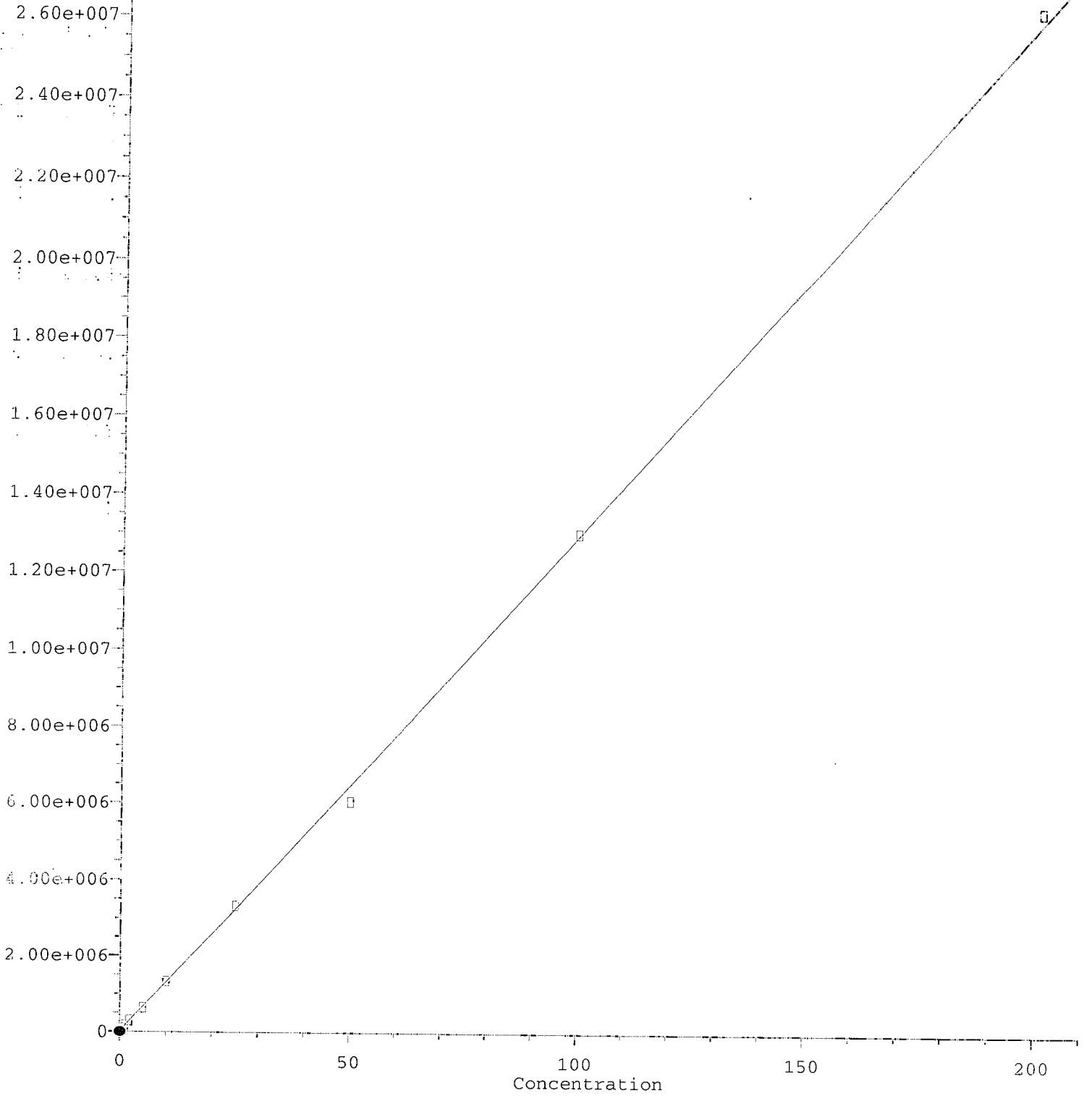
(24) Hexachlorobenzene #2

6.321min -0.057 ng/mL (m)

response 7025

Oxychlorthane

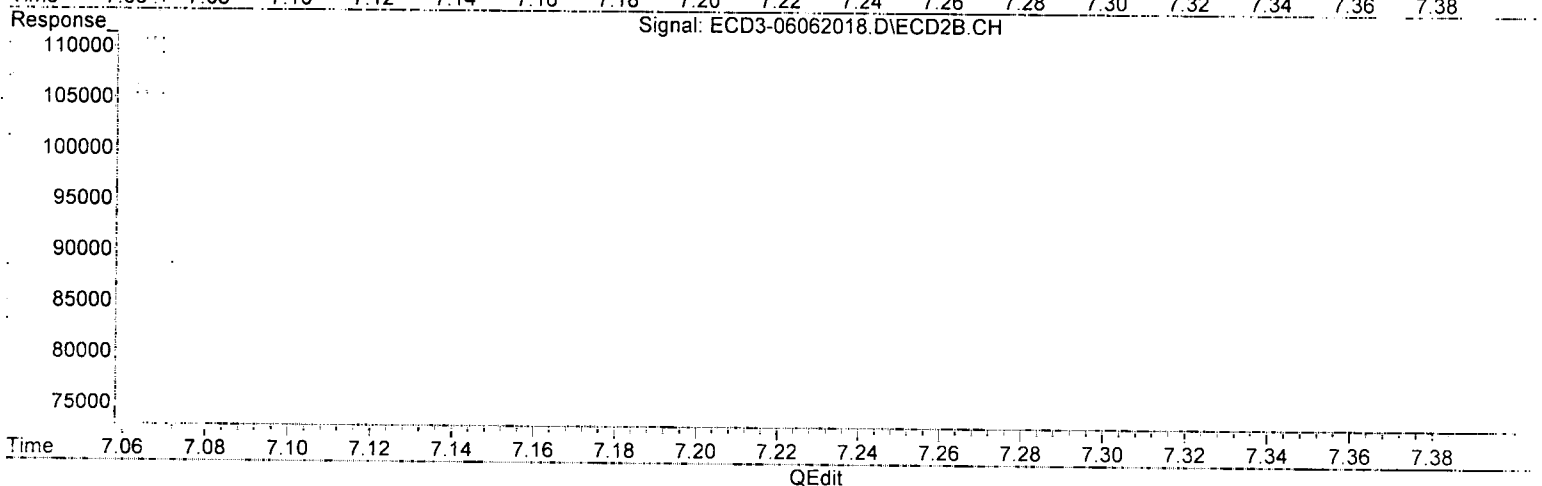
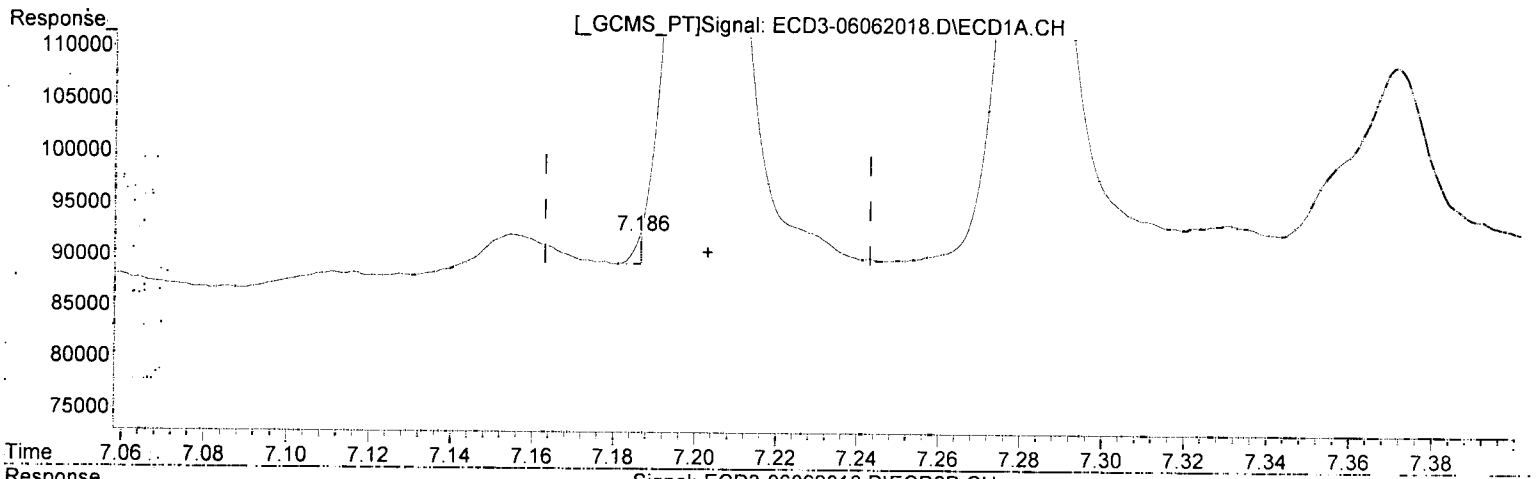
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(25) Oxychlordane
7.186min -0.162 ng/mL (m)
response 2763

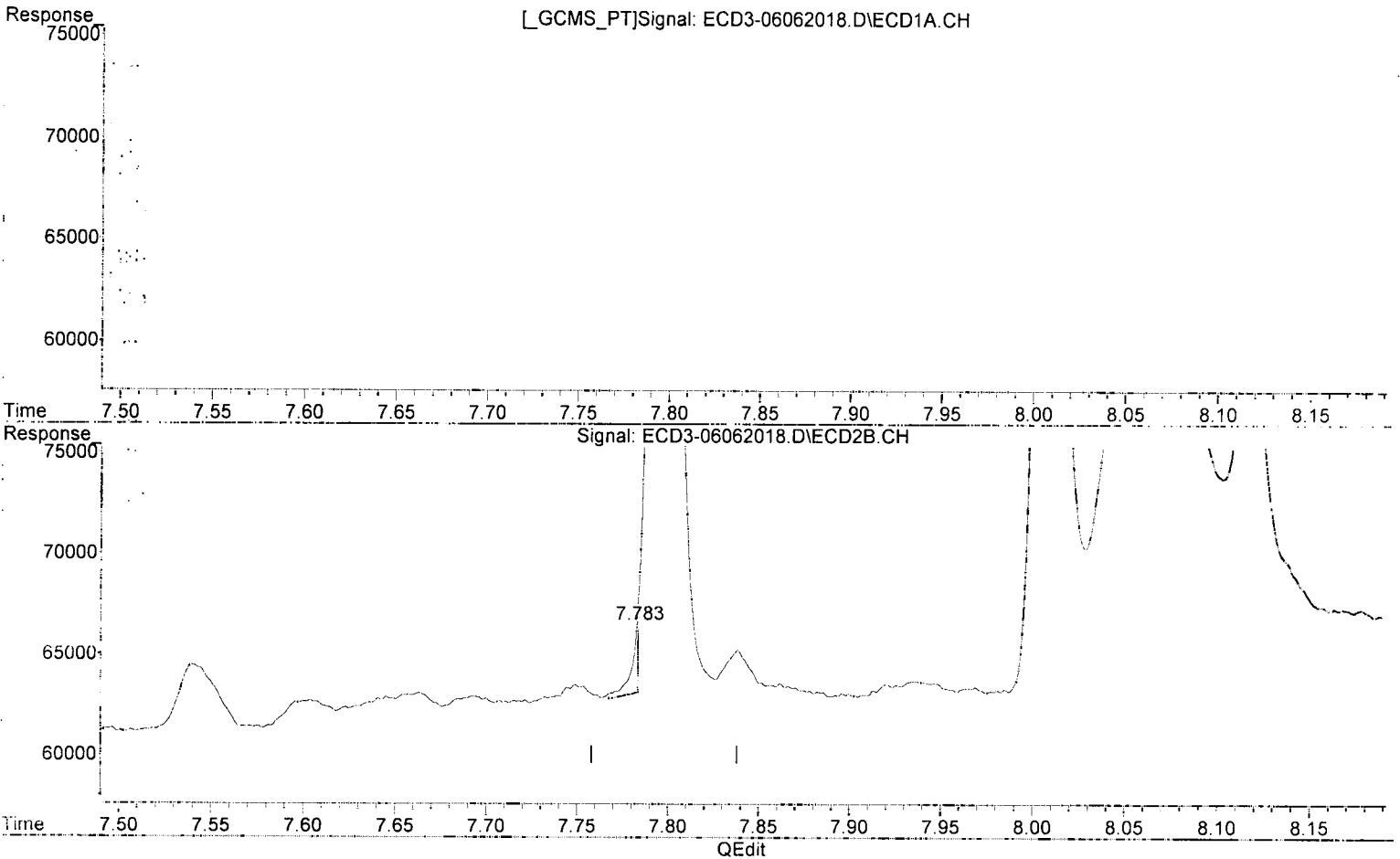
MJB
6/8/20

(25) Oxychlordane #2
7.797min 0.482 ng/mL
response 57877

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(25) Oxychlordane
7.186min -0.162 ng/mL m
response 2763

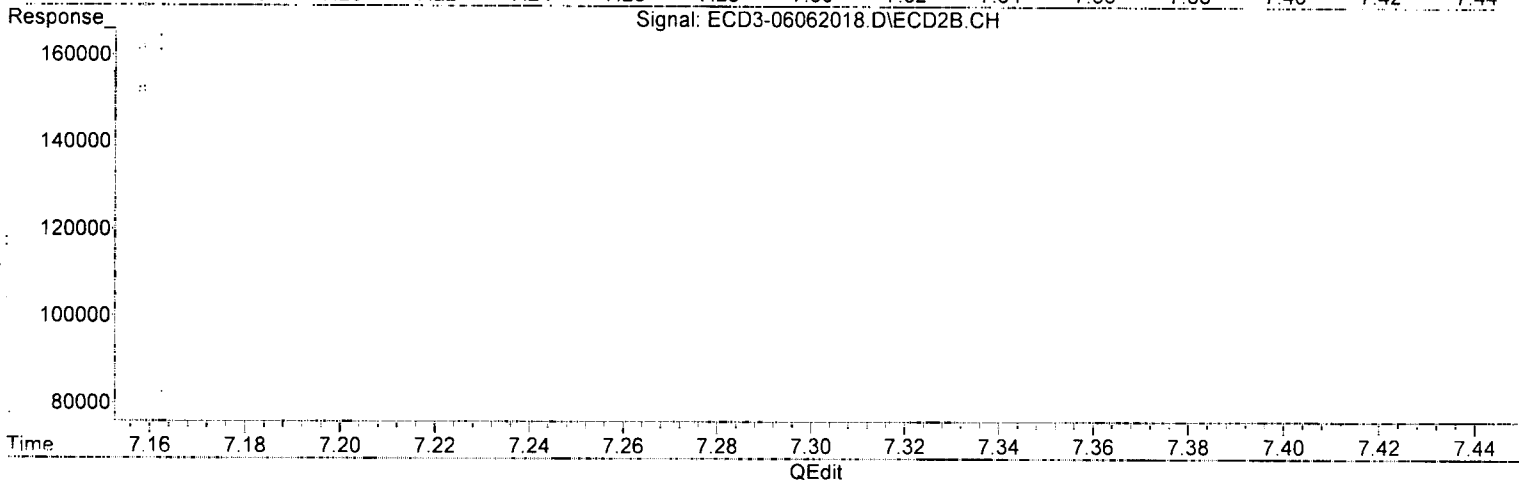
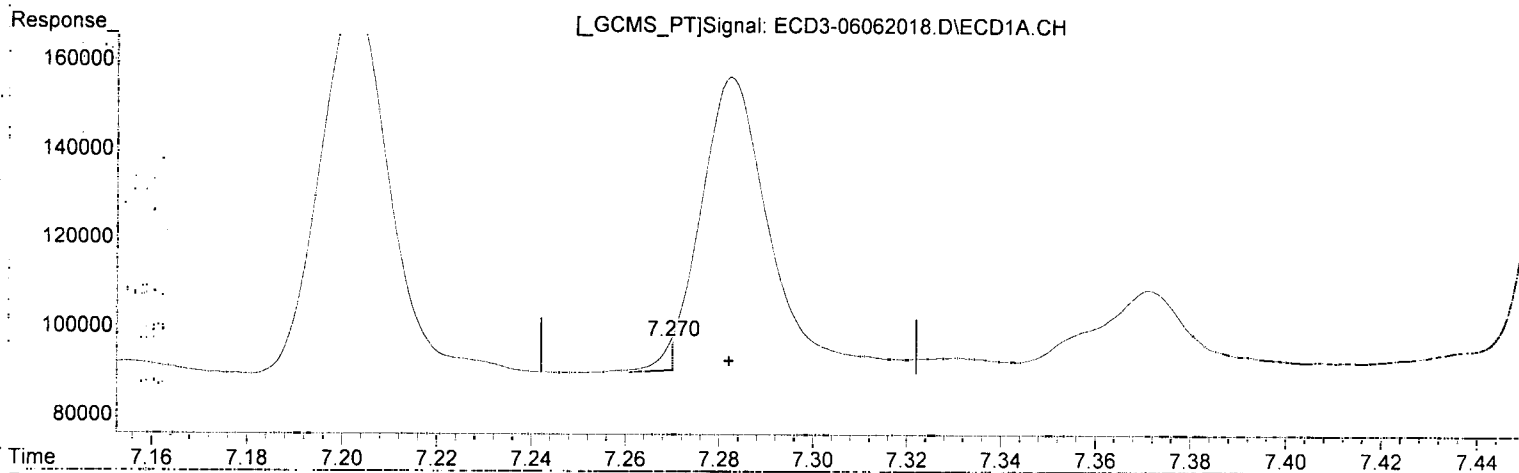
(25) Oxychlordane #2
7.783min 7645.641 ng/mL m *QDU*
response 3412

*MJB
6/8/20*

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE

7.270min -0.111 ng/mL (m)

response 6608

*MJB
6/8/20*

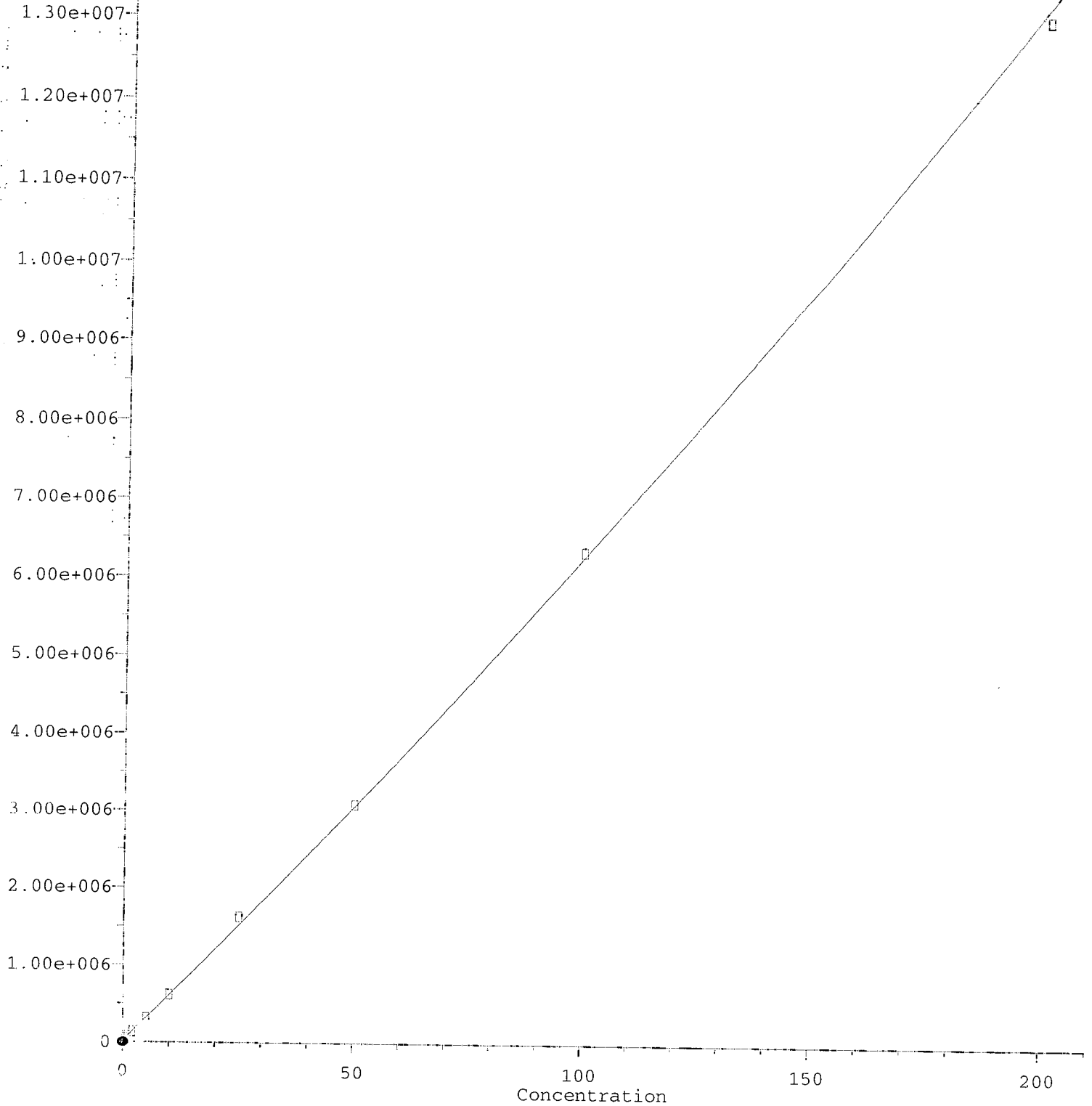
(26) 2,4'-DDE #2

8.009min 0.514 ng/mL

response 49247

2,4'-DDE #2

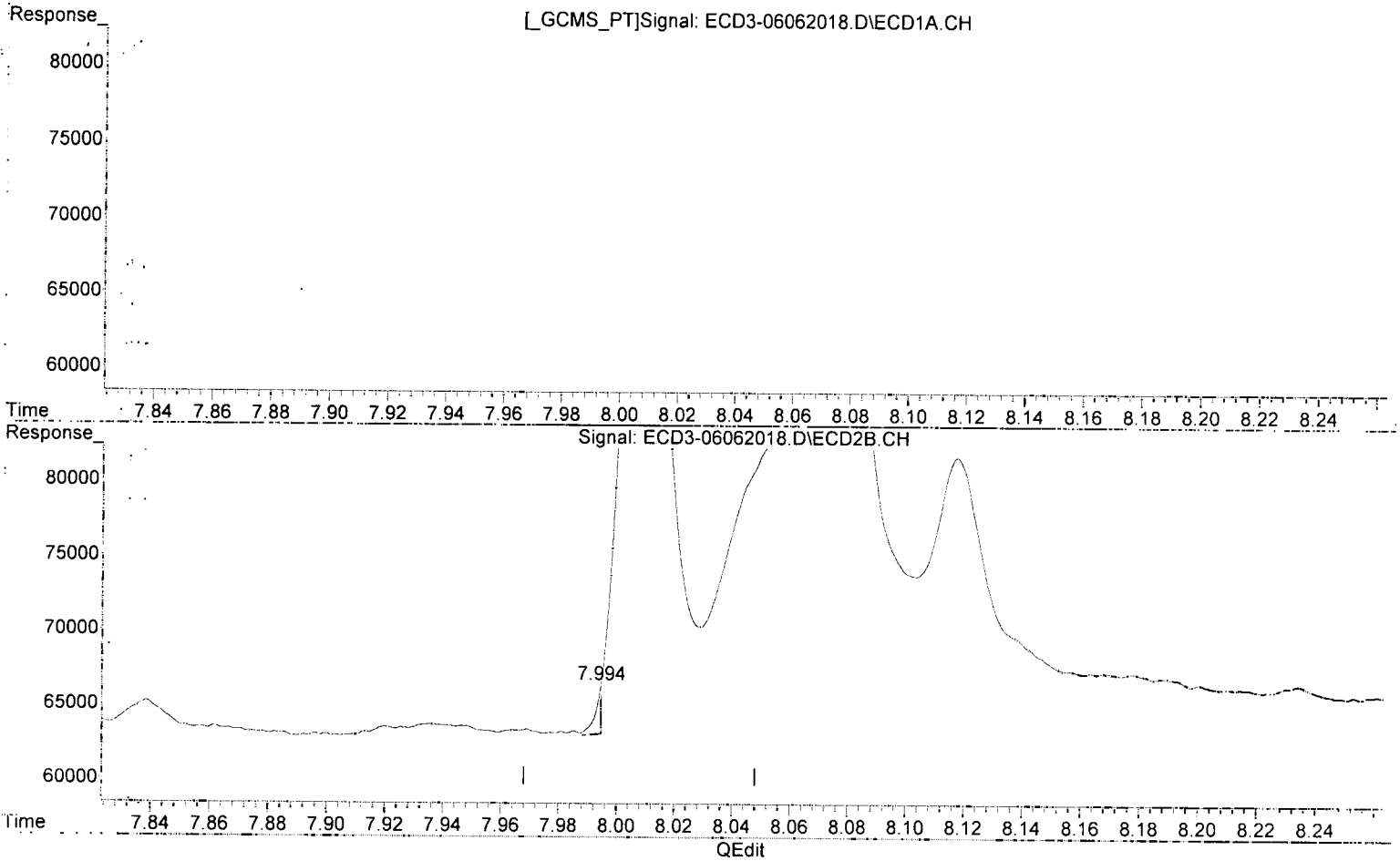
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

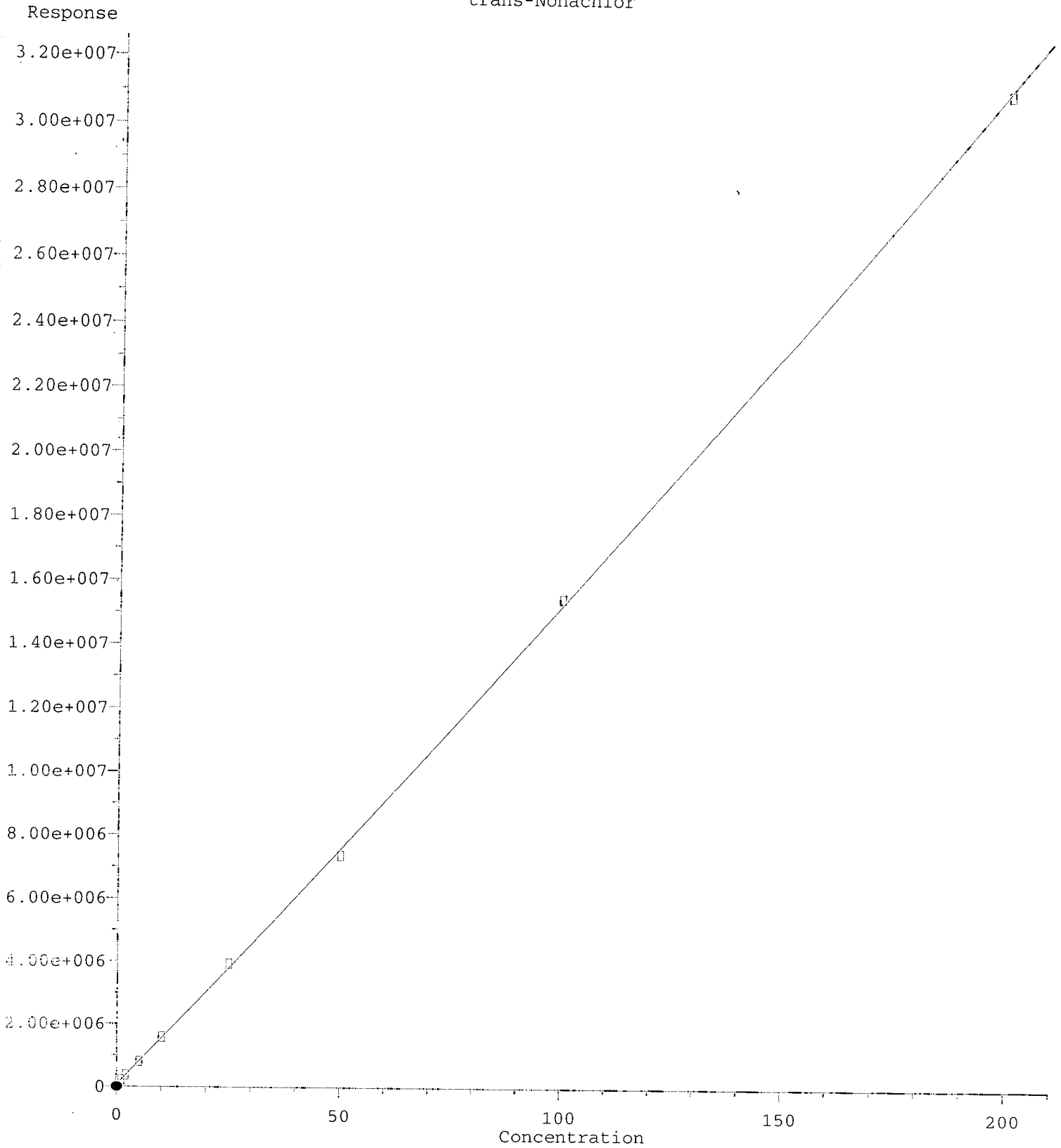


(26) 2,4'-DDE
7.270min -0.111 ng/mL m
response 6608

*MJB
6/8/20*

(26) 2,4'-DDE #2
7.994min -0.281 ng/mL (m)
response 2283

trans-Nonachlor

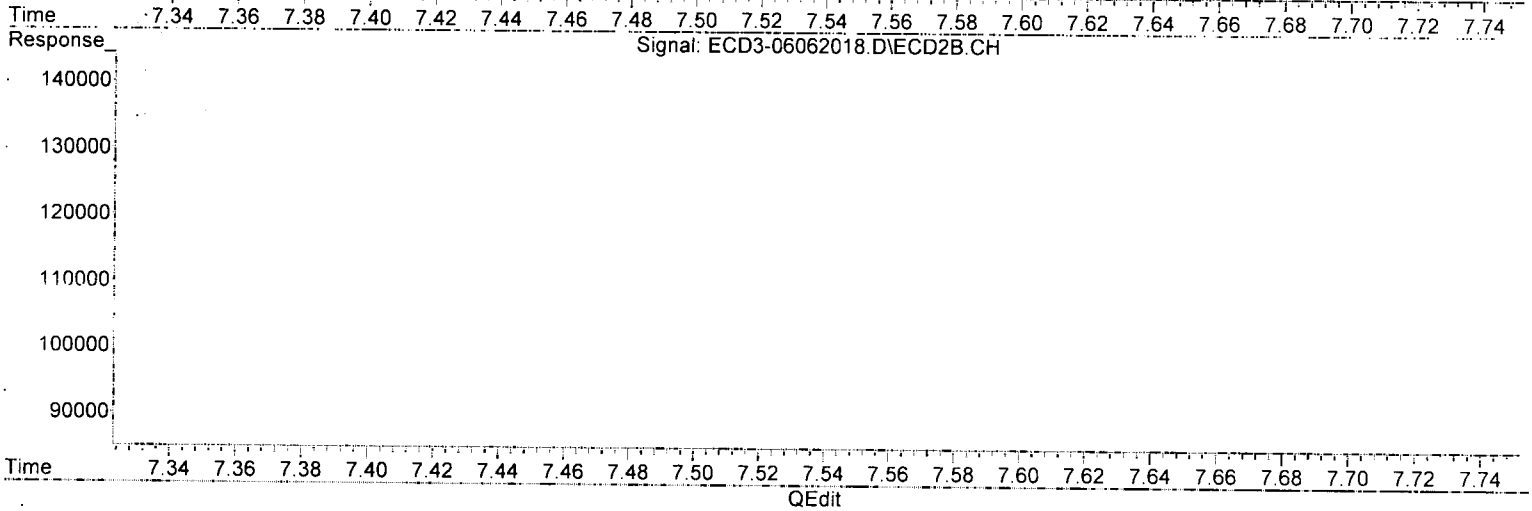
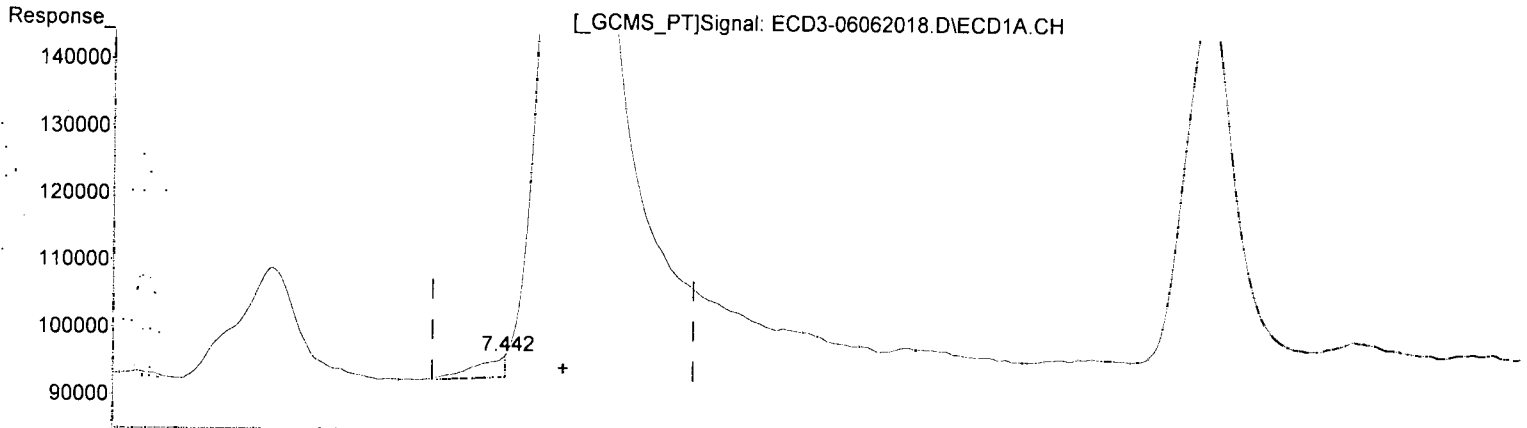


R = 3.72e+001 A*A + 1.48e+005 A + 7.04e+004
Coef of Det (r^2) = 0.9999
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table Last Modified: 07/14/2019 14:44:20
Anchor: C:\EPA\GLC\GasChrom\2019-144\DOC-CAP Testing Cores Page 822 of 1305

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

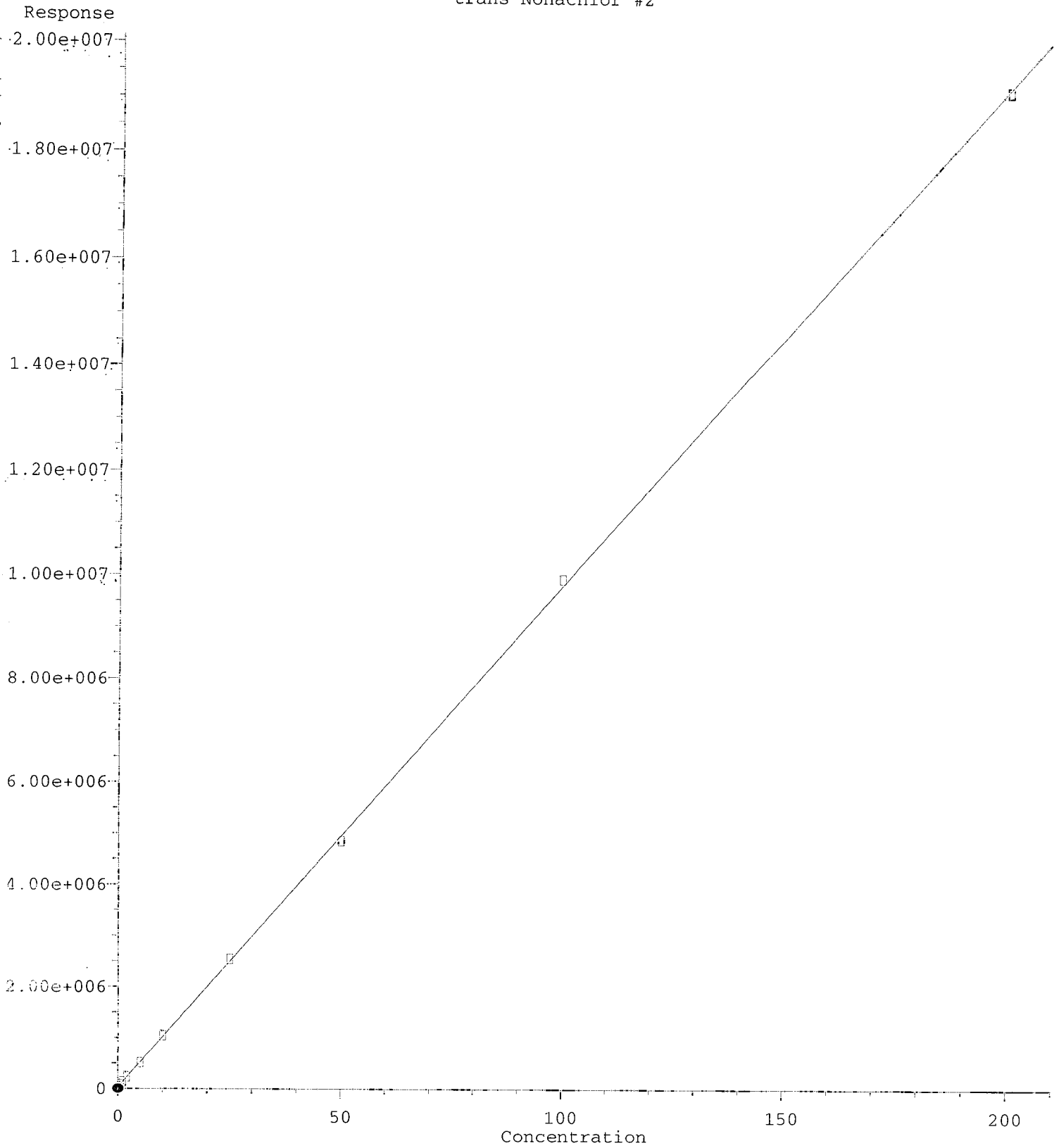


(27) trans-Nonachlor
7.442min -0.455 ng/mL(m)
response 3133

MJB
6/8/20

(27) trans-Nonachlor #2
8.073min 0.493 ng/mL
response 82206

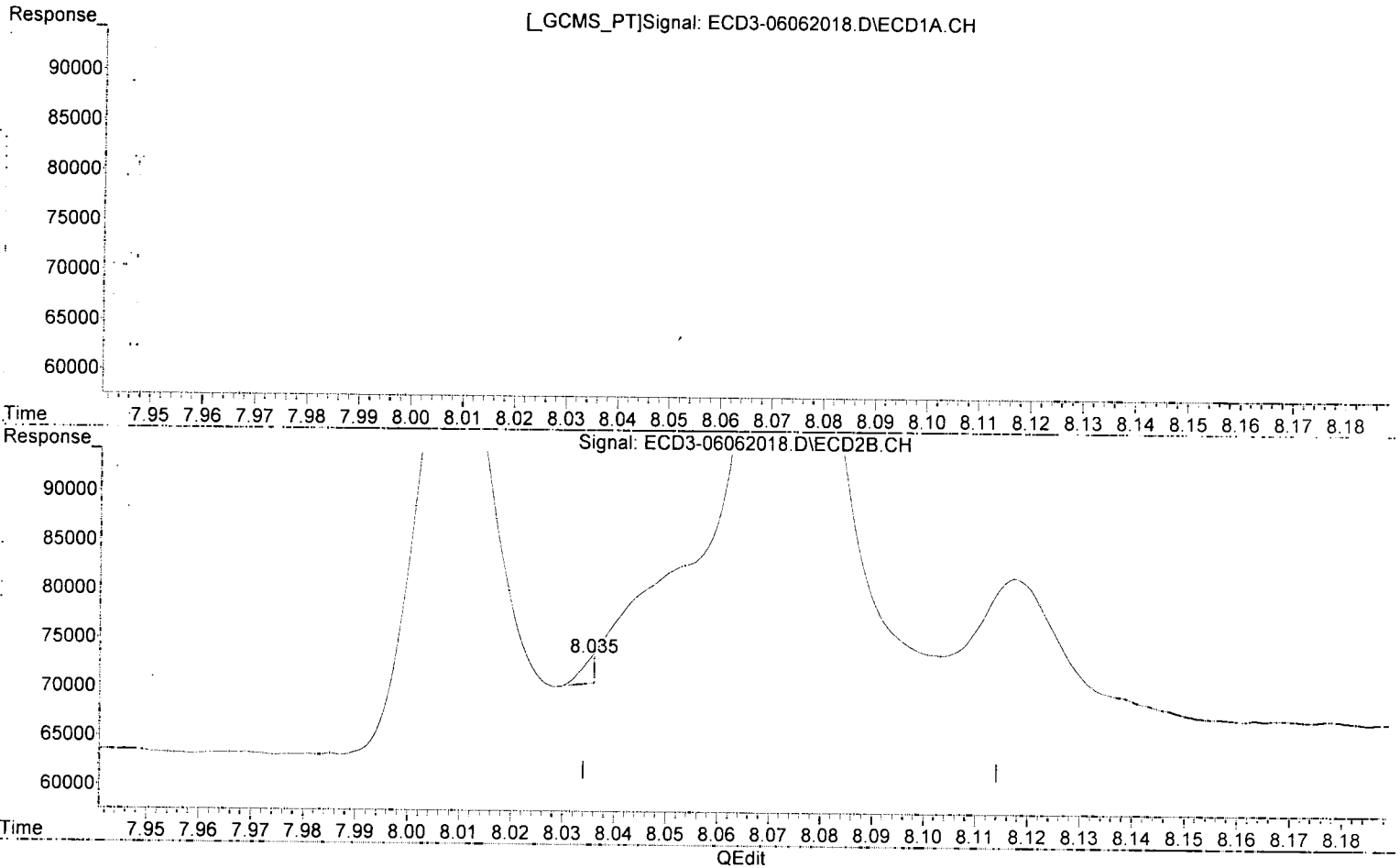
trans-Nonachlor #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

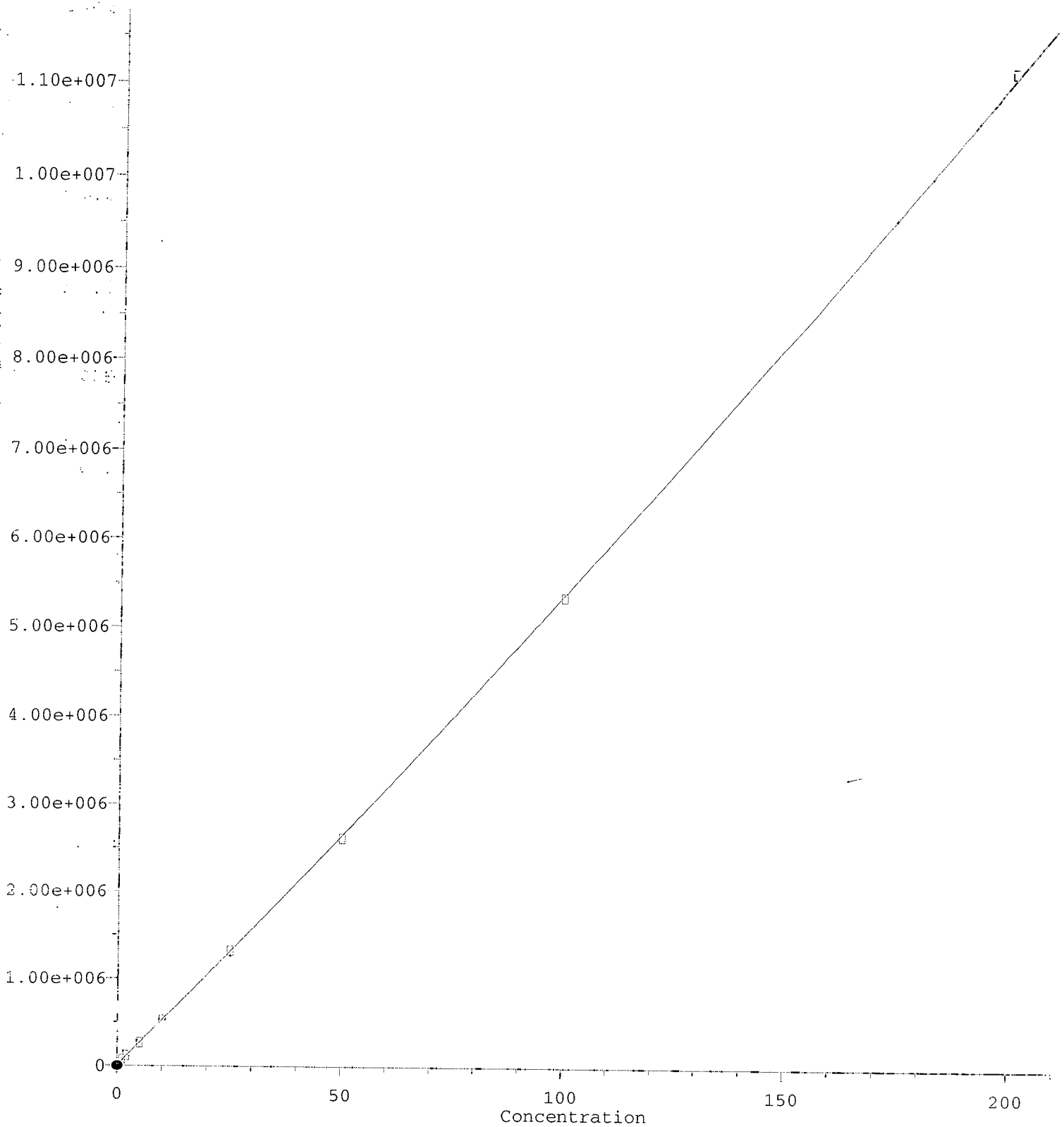


(27) trans-Nonachlor
7.442min -0.455 ng/mL m
response 3133

*MJB
6/8/20*

(27) trans-Nonachlor #2
8.035min 6236.738 ng/mL m *QPE*
response 2642

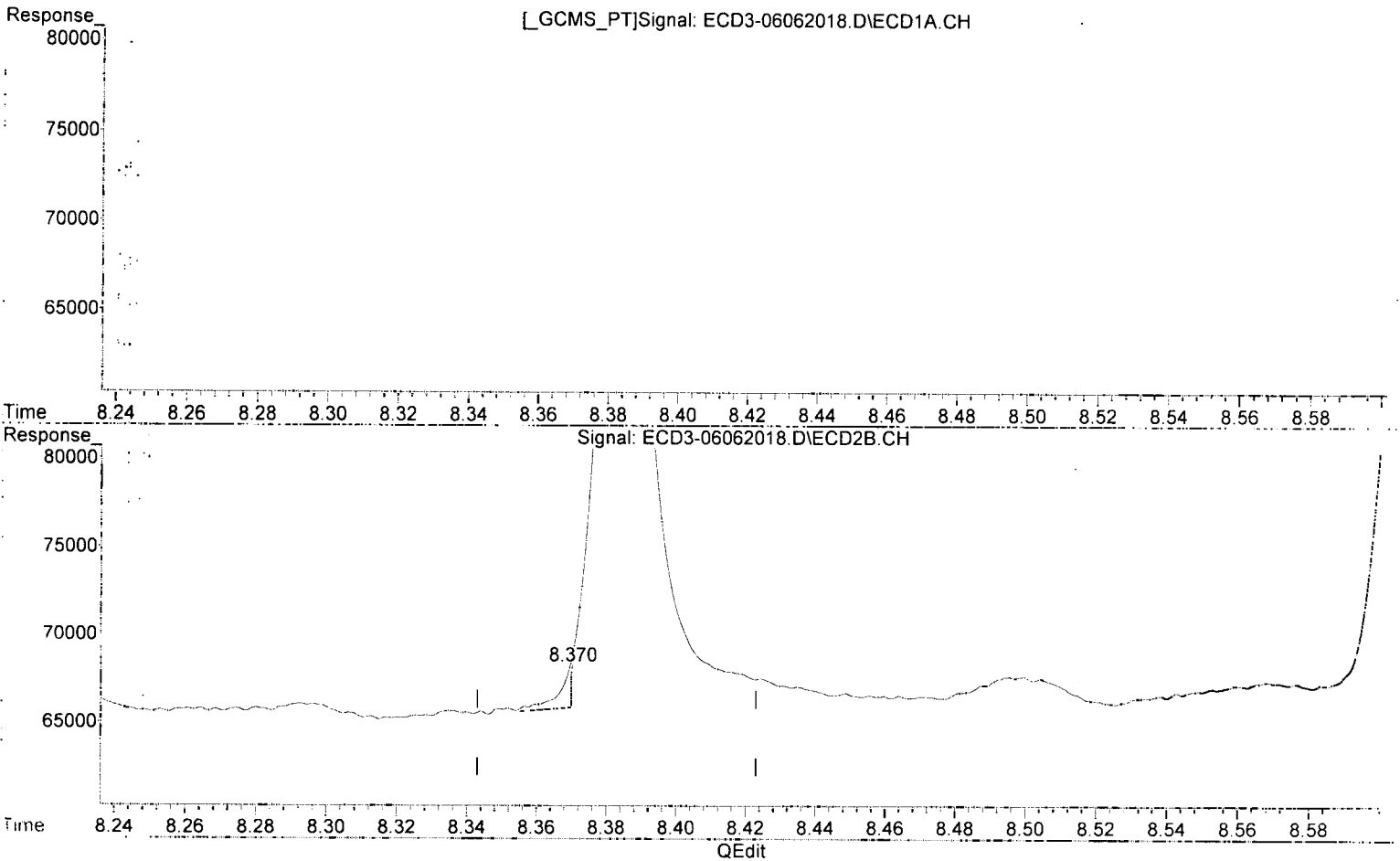
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



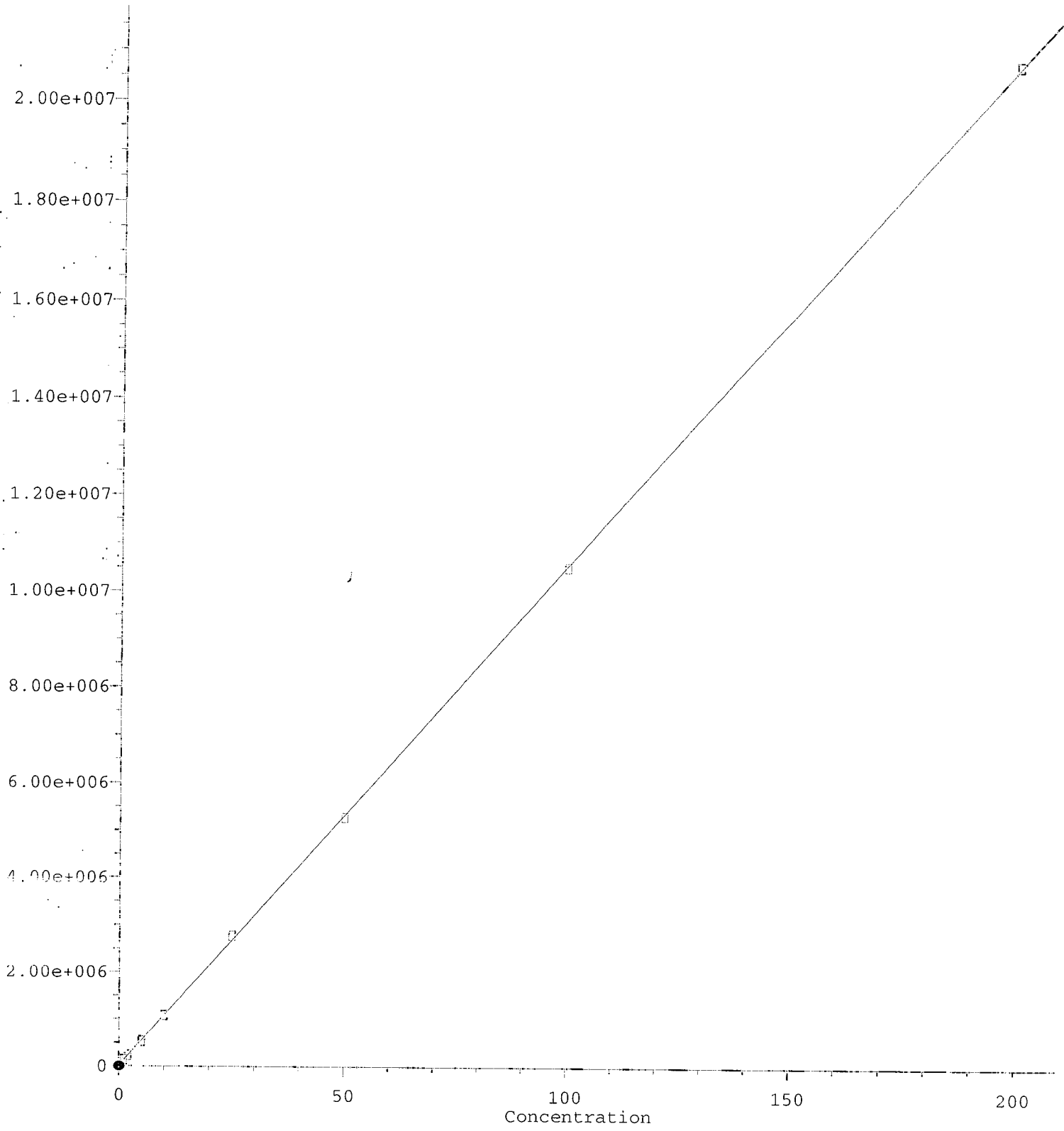
(28) 2,4'-DDD
7.658min 0.576 ng/mL
response 52698

MJB
6/9/20

(28) 2,4'-DDD #2
8.370min -0.144 ng/mL
response 2381

cis-Nonachlor #2

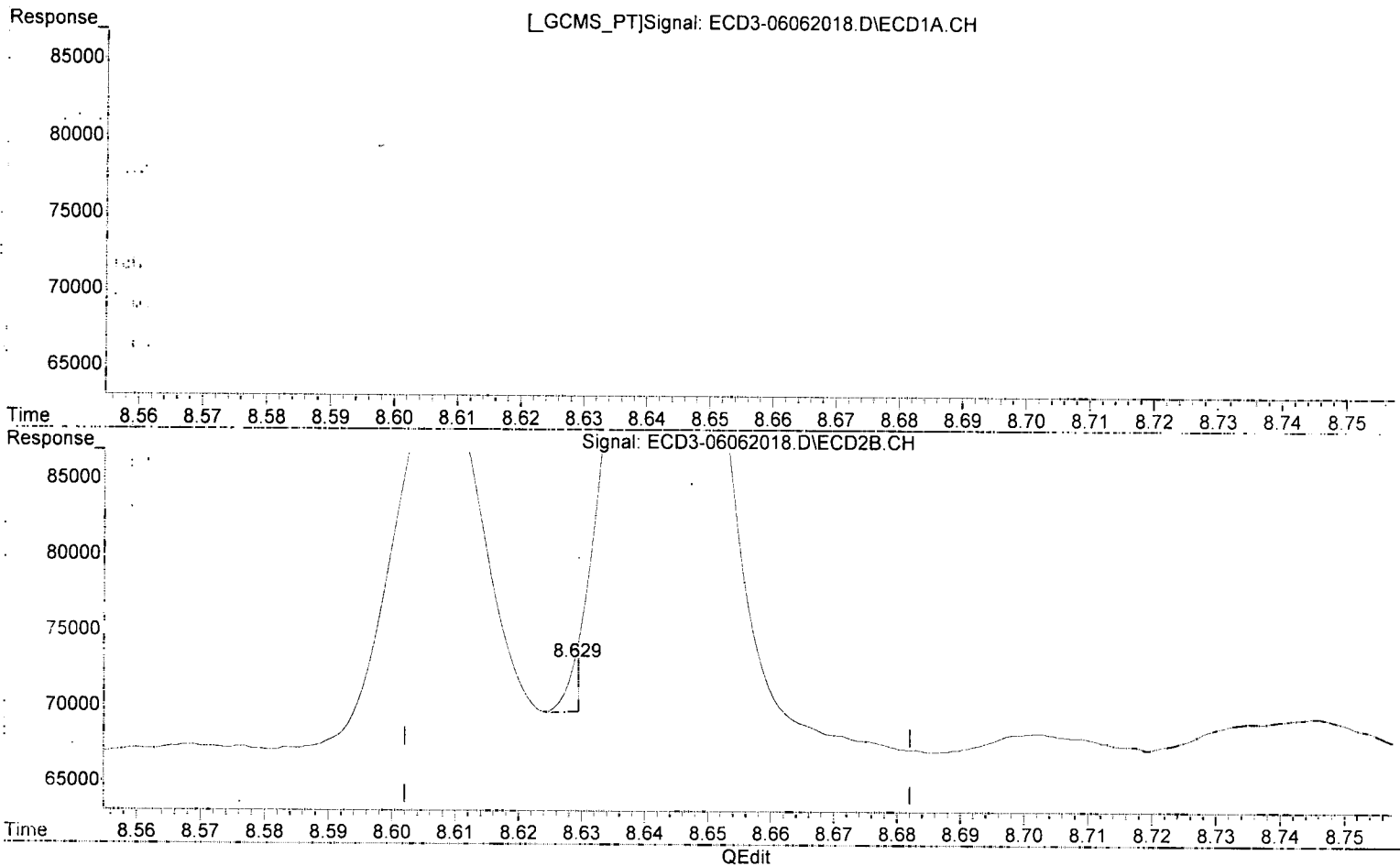
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(30) cis-Nonachlor
7.934min 0.592 ng/mL
response 103278

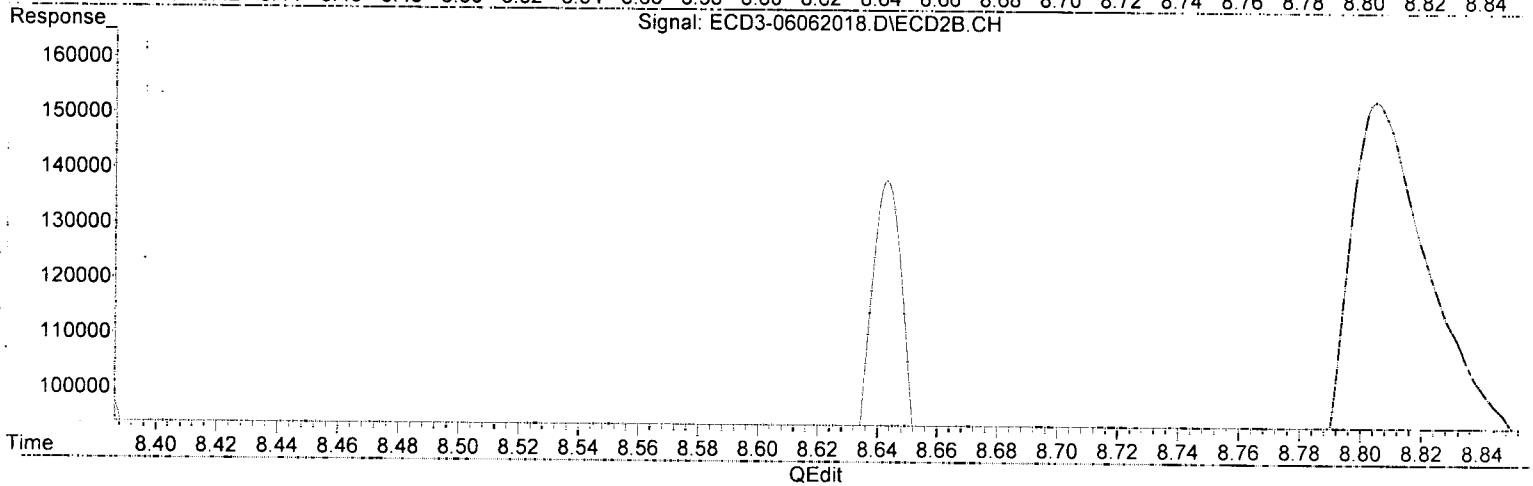
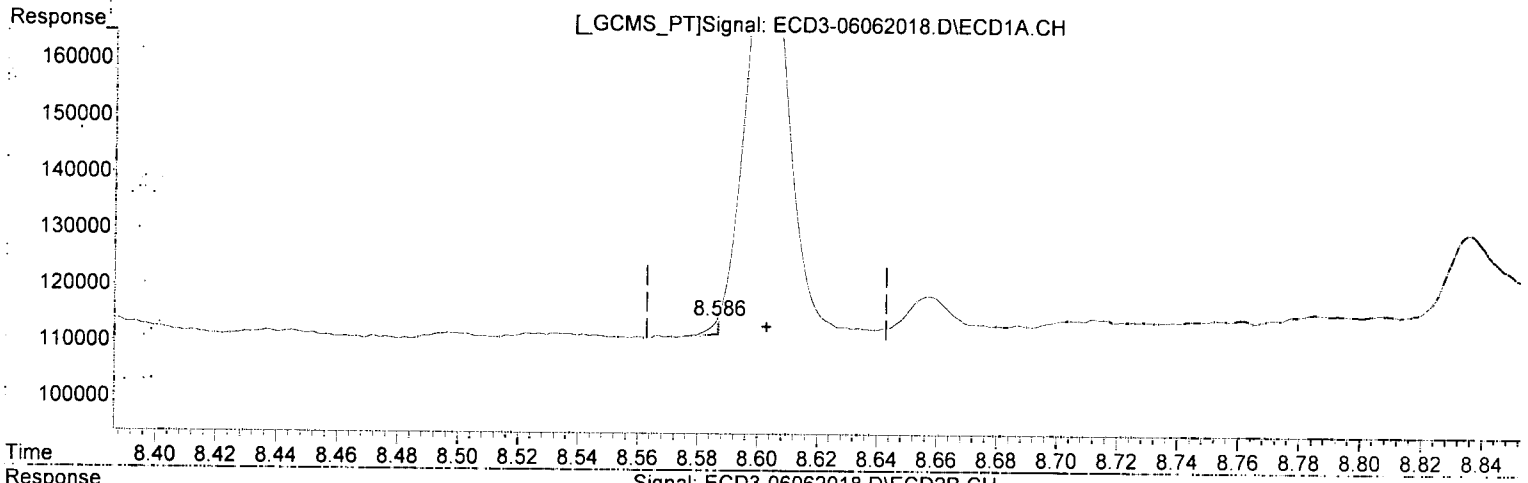
*MJB
4/8/20*

(30) cis-Nonachlor #2
8.629min 7106.741 ng/mL (m) *Qedit*
response 3287

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex

8.586min 20727.610 ng/mL (m) *Q 221*

response 2470

WB 6/8/20

(31) Mirex #2

9.564min 0.478 ng/mL

response 48879

Mirex #2

Response

1.30e+007

1.20e+007

1.10e+007

1.00e+007

9.00e+006

8.00e+006

7.00e+006

6.00e+006

5.00e+006

4.00e+006

3.00e+006

2.00e+006

1.00e+006

0

0

50

100

150

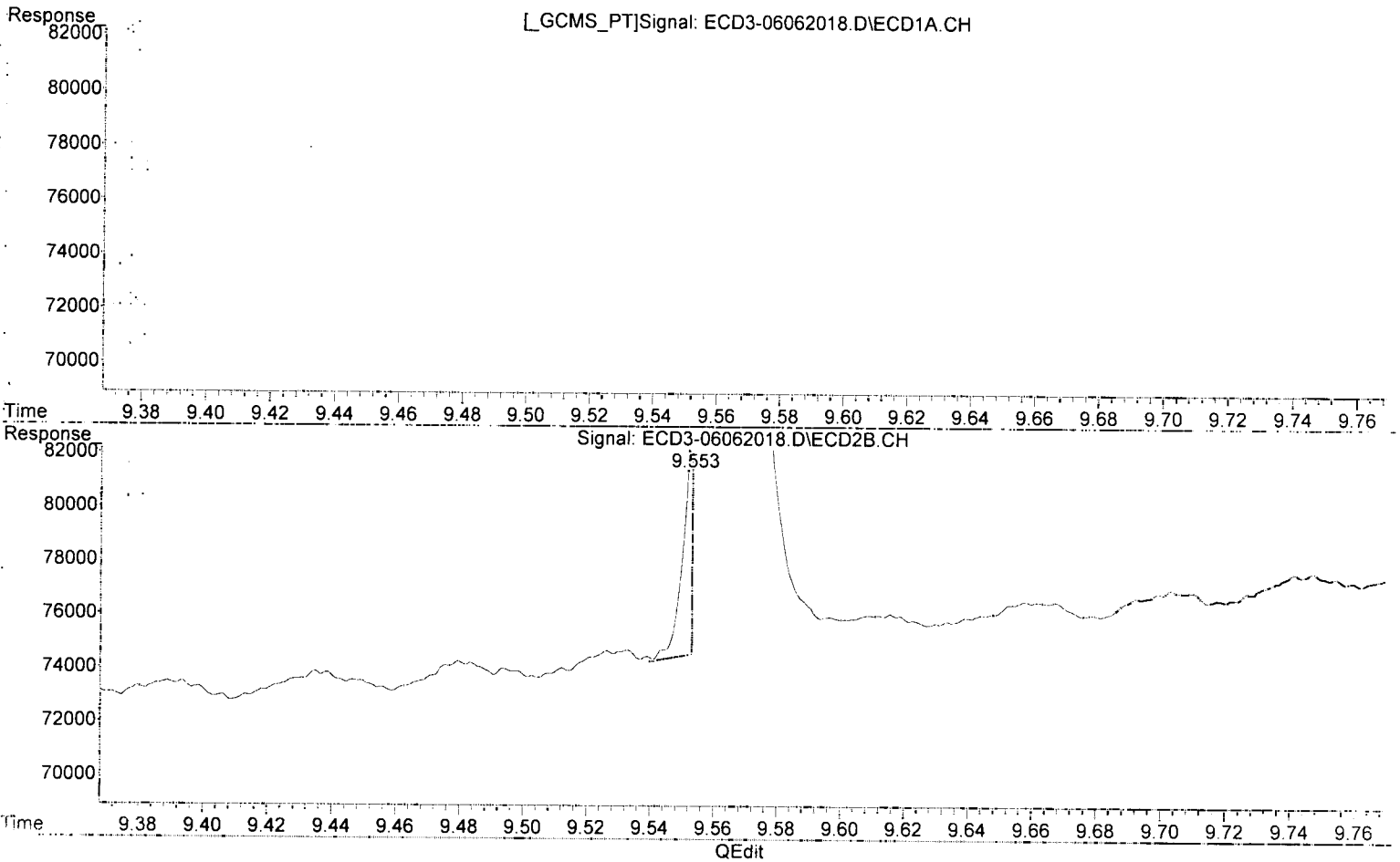
200

Concentration

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

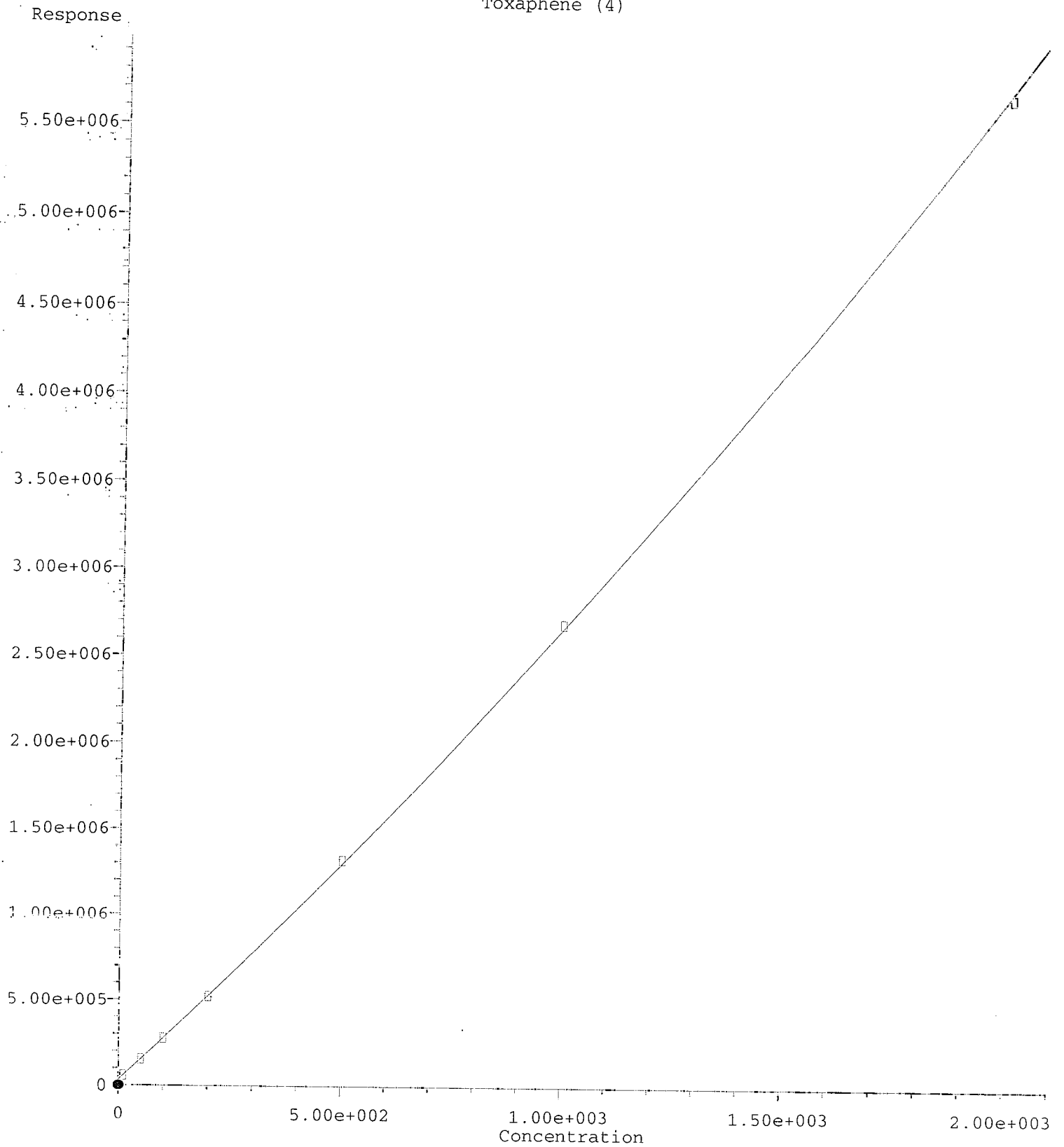


(31) Mirex
8.586min 20727.610 ng/mL m
response 2470

*MJB
6/8/20*

(31) Mirex #2
9.553min 4424.976 ng/mL (m) *Q-01*
response 9945

Toxaphene (4)

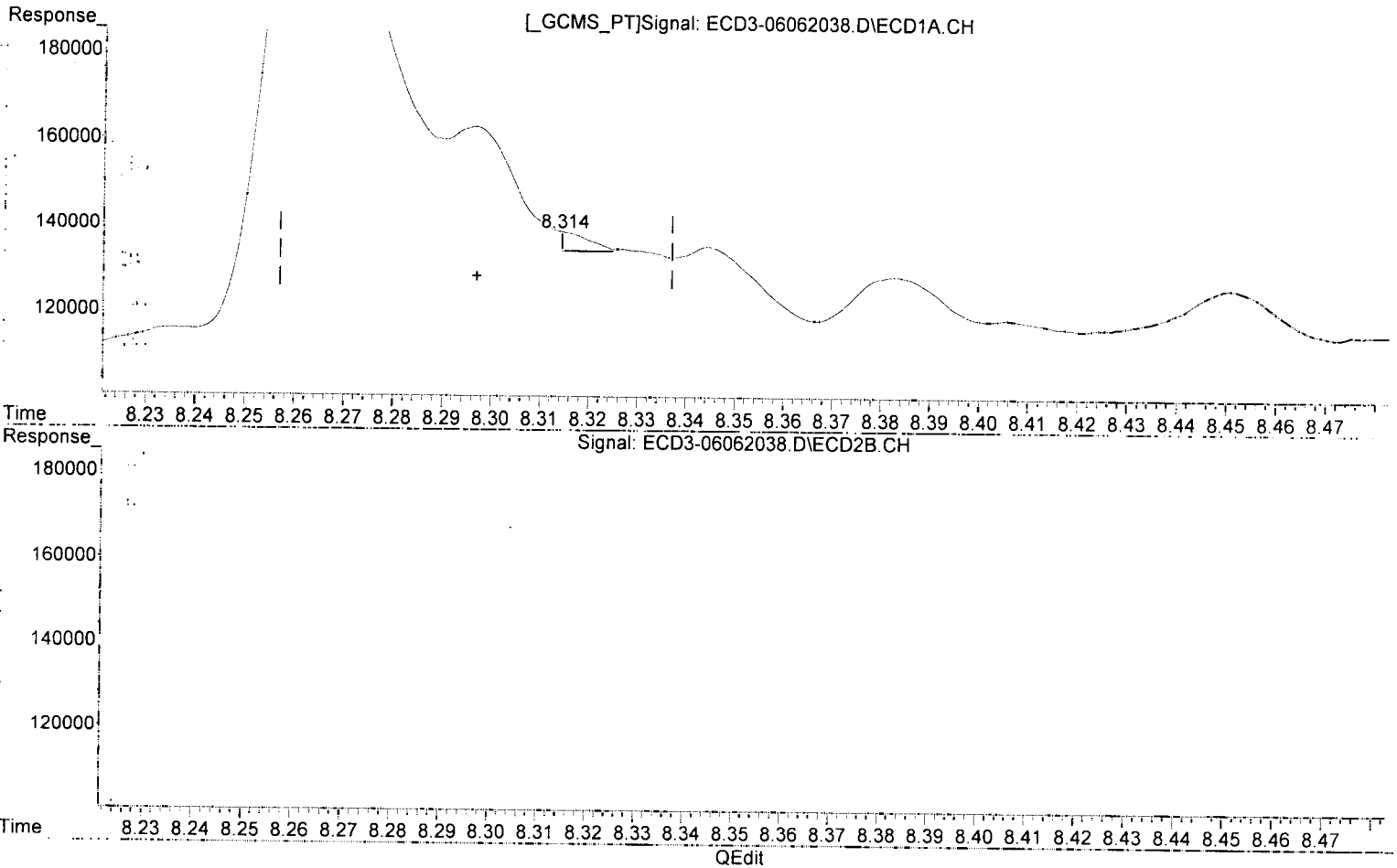


R = 2.09e-001 A*A + 2.42e+003 A + 3.28e+004
Coef of Det (r^2) = 0.714200
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table Last Updated: 5/28/10

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:16:40 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(39) Toxaphene (4)

8.314min -11.679 ng/mL(m)

response 4518

MJB
4/8/20

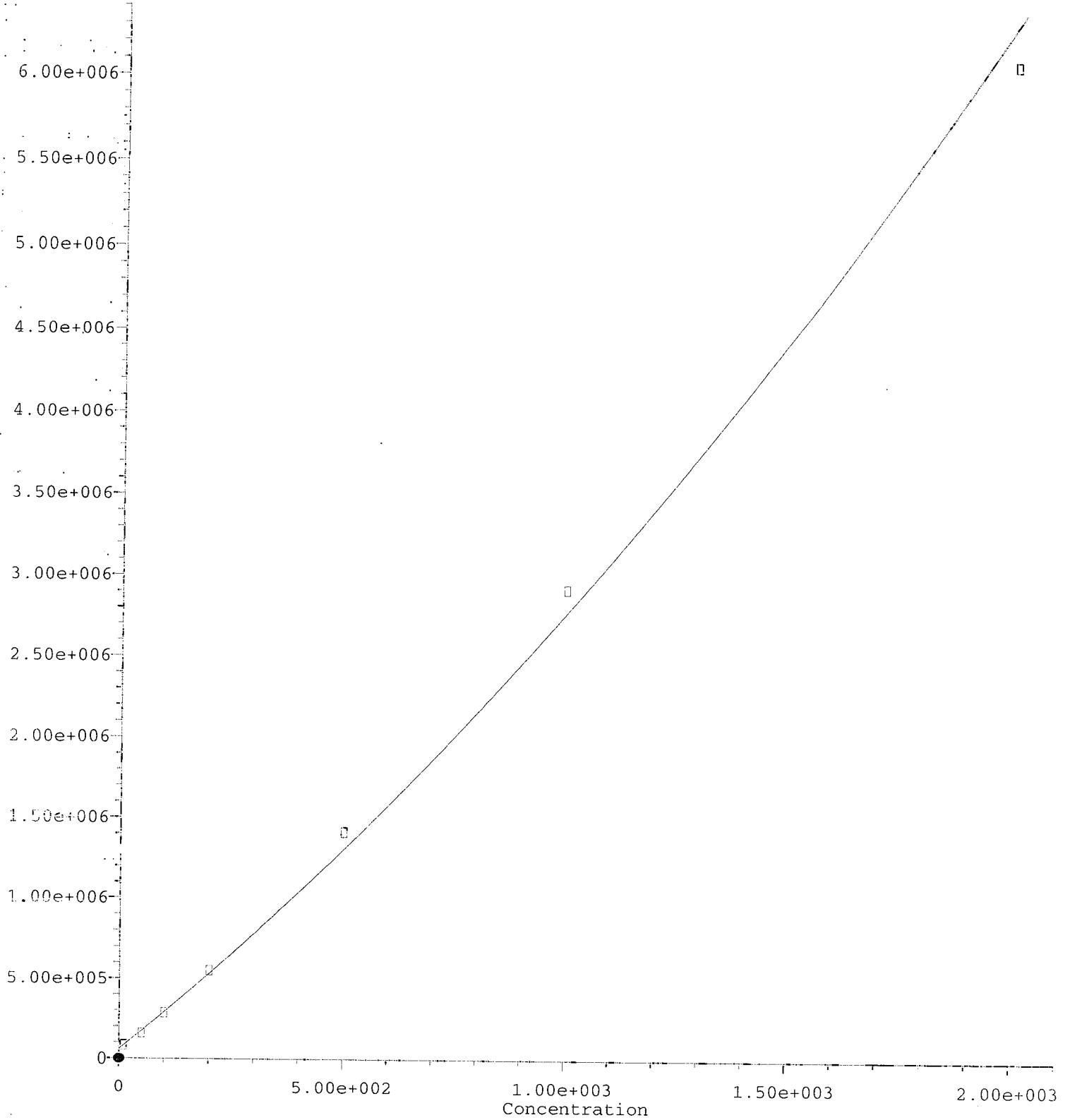
(39) Toxaphene (4) #2

8.804min 10.263 ng/mL

response 81781

Toxaphene (4) #2

Response

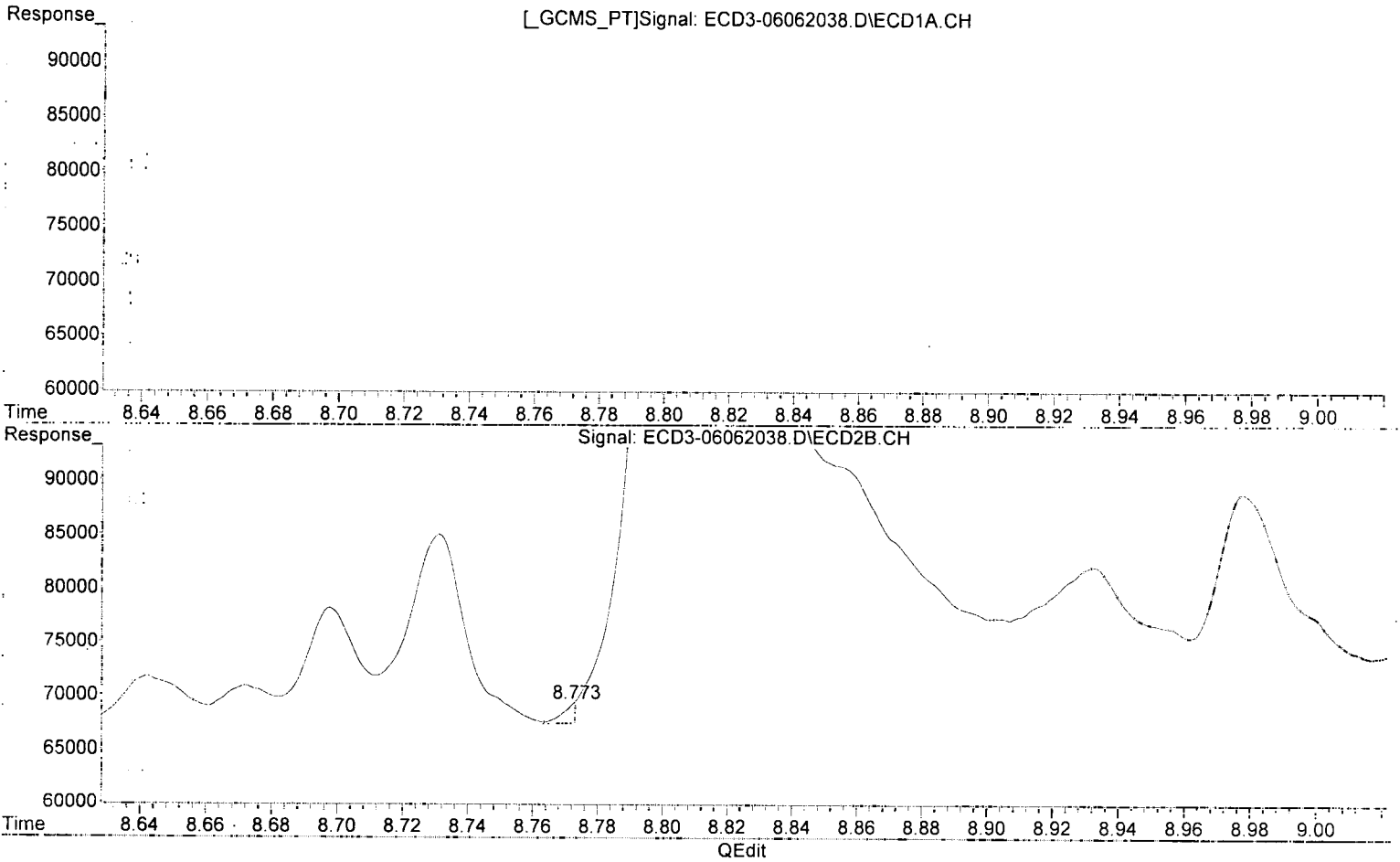


R = 4.29e-001 A*A + 2.29e+003 A + 5.83e+004
Coef of Det (r^2) = 0.1825
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 27 12:06:05 2010
0714720-Anchor-CHEM-LLC-Gas-Chem-DG-2010-14-ab-DOC-CAP Testing Cores Page 836 of 1305

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:16:40 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

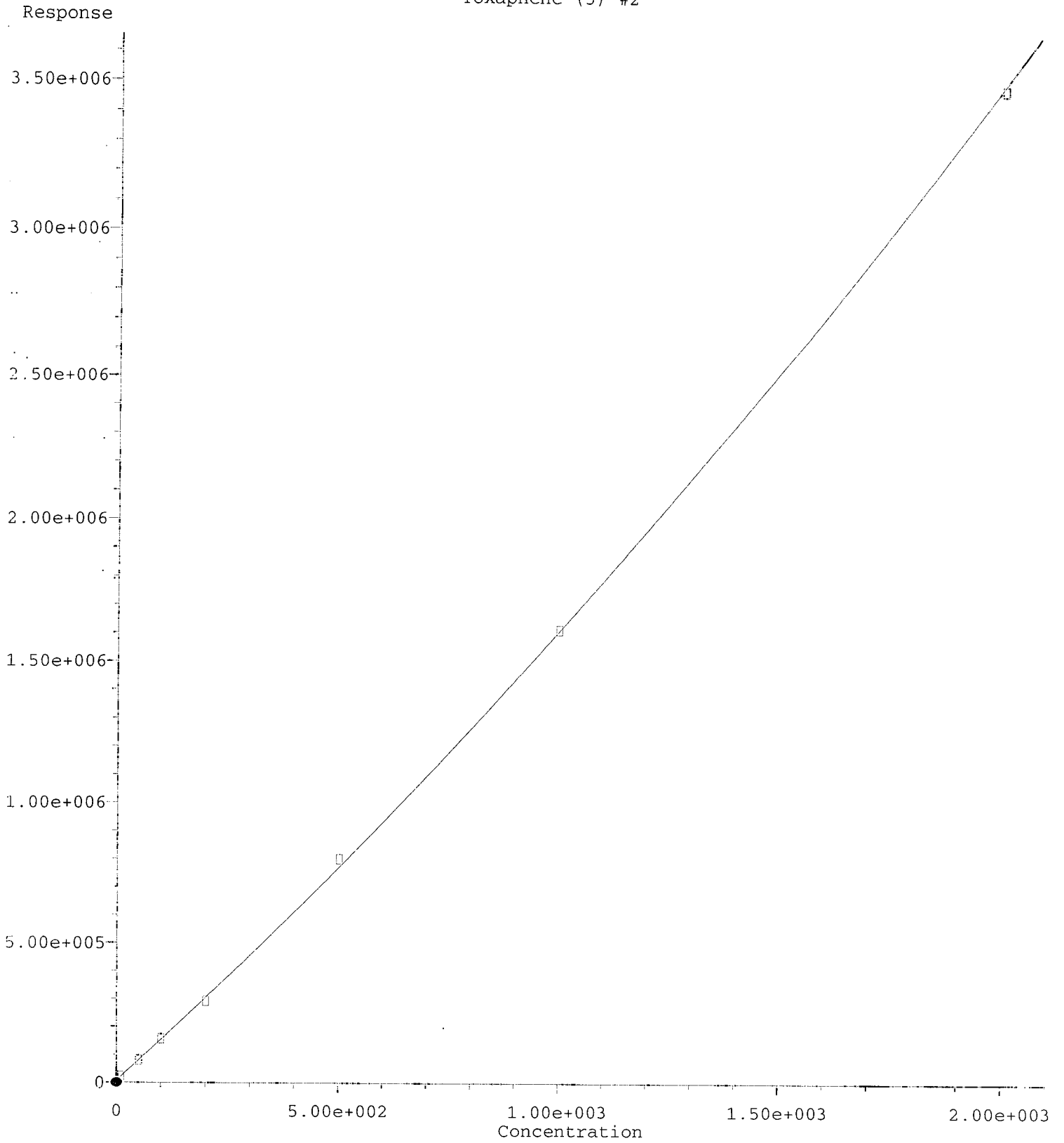


(39) Toxaphene (4)
8.314min -11.679 ng/mL m
response 4518

MJB
6/8/20

(39) Toxaphene (4) #2
8.773min -24.812 ng/mL (m)
response 1840

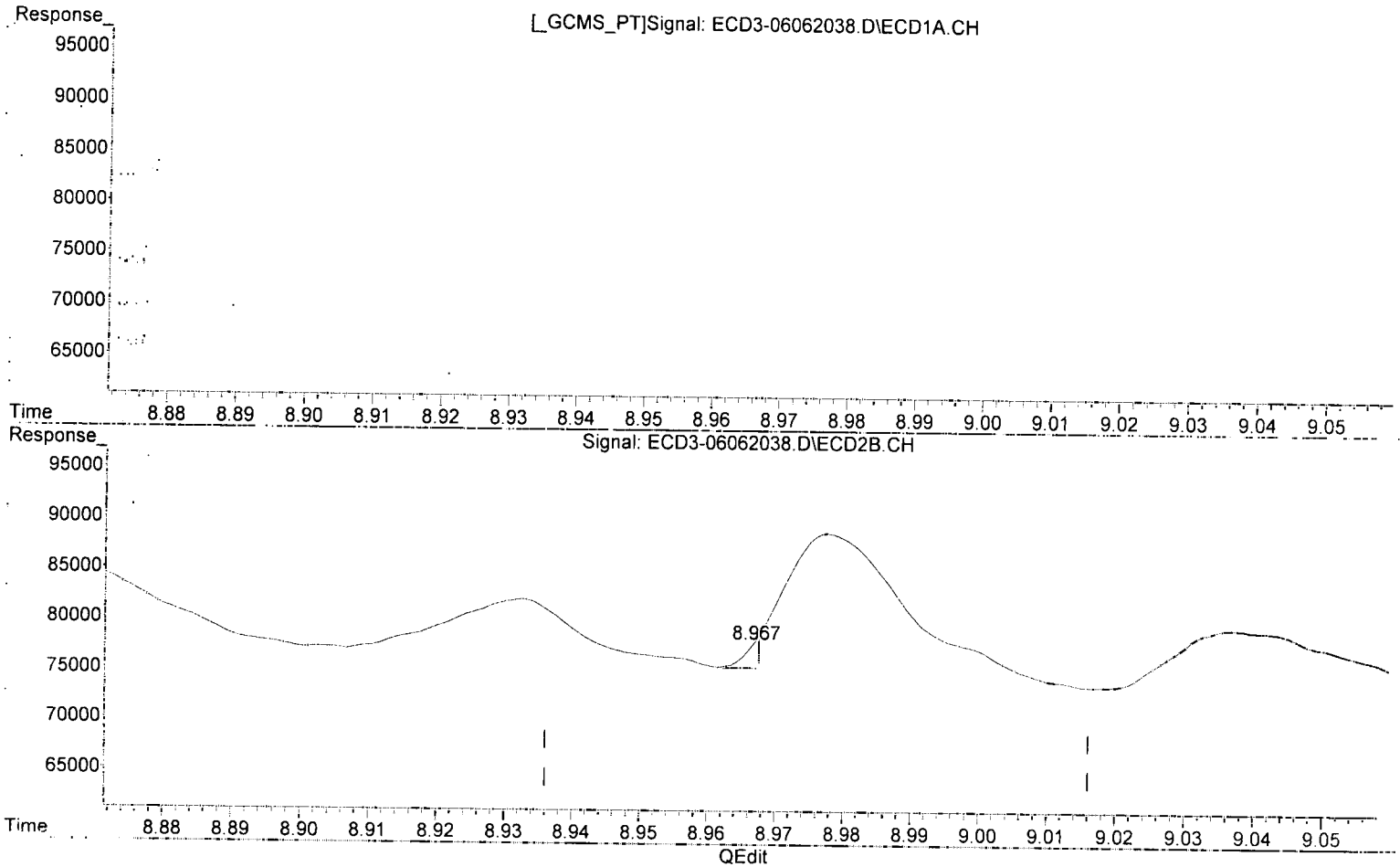
Toxaphene (5) #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:16:40 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(40) Toxaphene (5)
8.527min 10.512 ng/mL
response 20738

MJB
6/8/20

(40) Toxaphene (5) #2
8.967min -3.097 ng/mL (M)
response 2442

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 16:57
 Operator : MJB
 Sample : 0F06006-ICB1
 Misc : A20E115
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 16:00:17 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

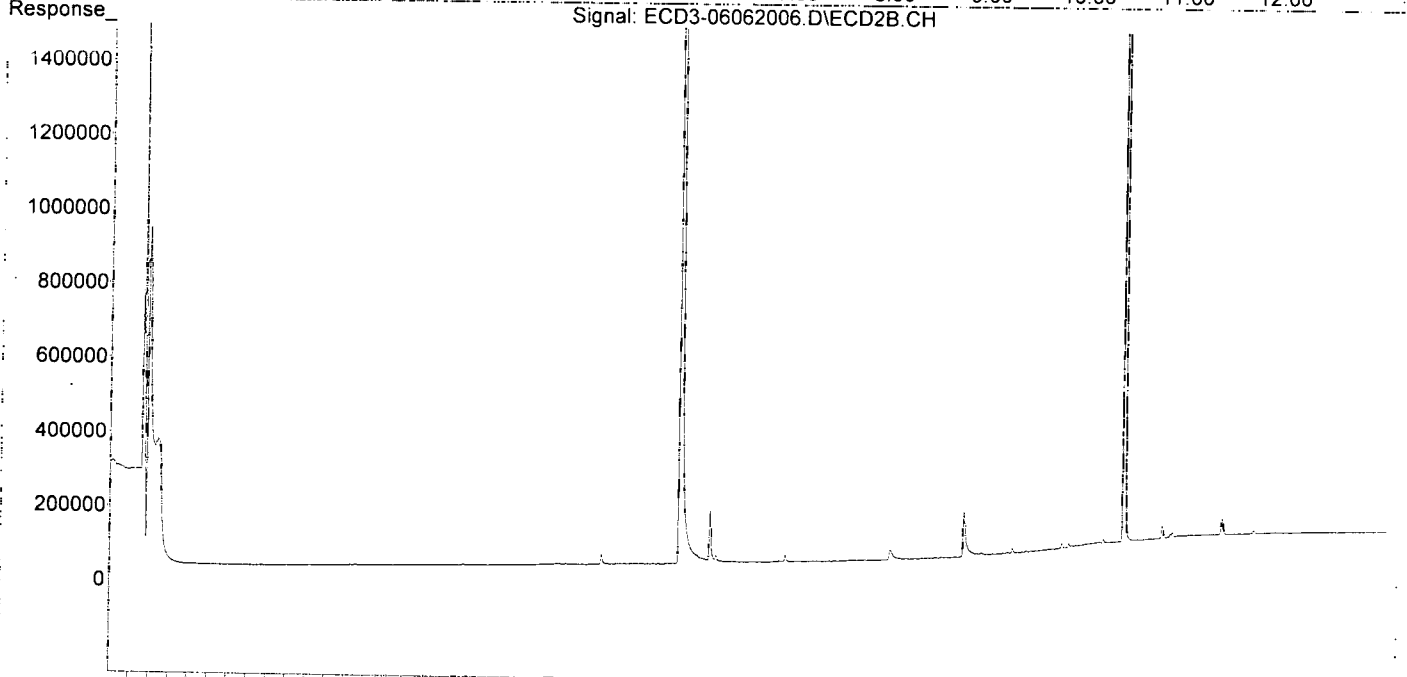
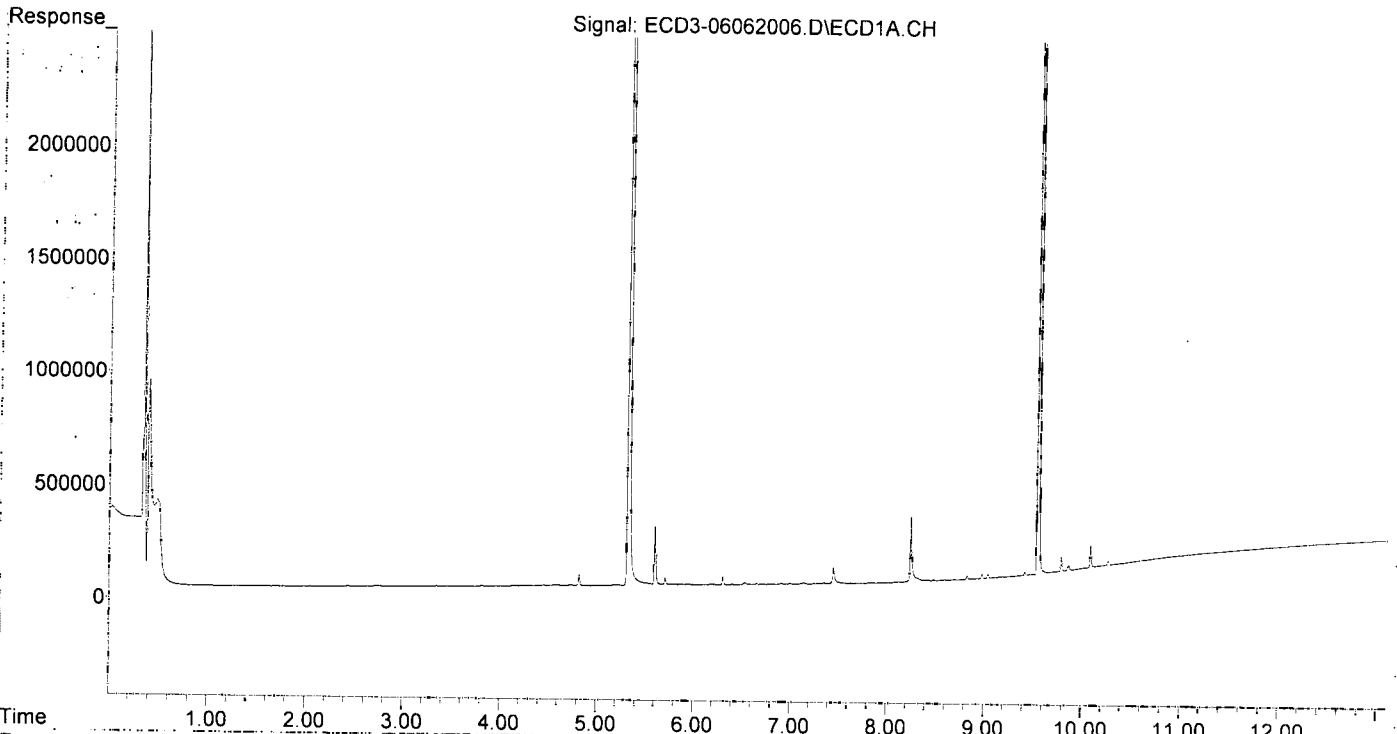
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.329	5.857	15028803	8215547	100.526	114.095
22)	S DCBP (S)	9.557	10.429	11464511	7118340	102.713	106.905
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	Heptachlor	6.533f	0.000	7247	0	0.044	N.D. #
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9)	trans-Chl...	0.000	8.036f	0	25631	N.D.	0.237 #
10)	cis-Chlor...	7.453	8.121	71823	2656	0.134	0.025 #
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17)	4,4'-DDT	0.000	8.917f	0	1712	N.D.	BelowCal
18)	Endrin Al...	0.000	8.969	0	3233	N.D.	d BelowCal
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20)	Methoxychlor	8.481	0.000	5201	0	0.099	N.D. #
21)	Endrin Ke...	8.831f	9.573	15195	2011	0.110	0.025 #
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	5.712	0.000	28907	0	0.199	N.D. #
25)	Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	0.000	8.036f	0	25631	N.D.	0.115 #
27)	trans-Non...	7.453	0.000	71823	0	0.010	N.D. d#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	0.000	0	0	N.D.	N.D. d
32)	Chlordane...	0.000	8.036f	0	25631	N.D.	2.043 #
33)	Chlordane...	7.453	8.121	71823	2656	3.242	0.248 #
34)	Chlordane...	0.000	8.784	0	63778	N.D.	21.004m#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.448	0.000	58654	0	79.233m	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.326f	8.793	10325	118969	BelowCal	26.424
40)	Toxaphene...	0.000	8.969	0	3233	N.D.	BelowCal
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT·Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:57
Operator : MJB
Sample : 0F06006-ICB1
Misc : A20E115
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

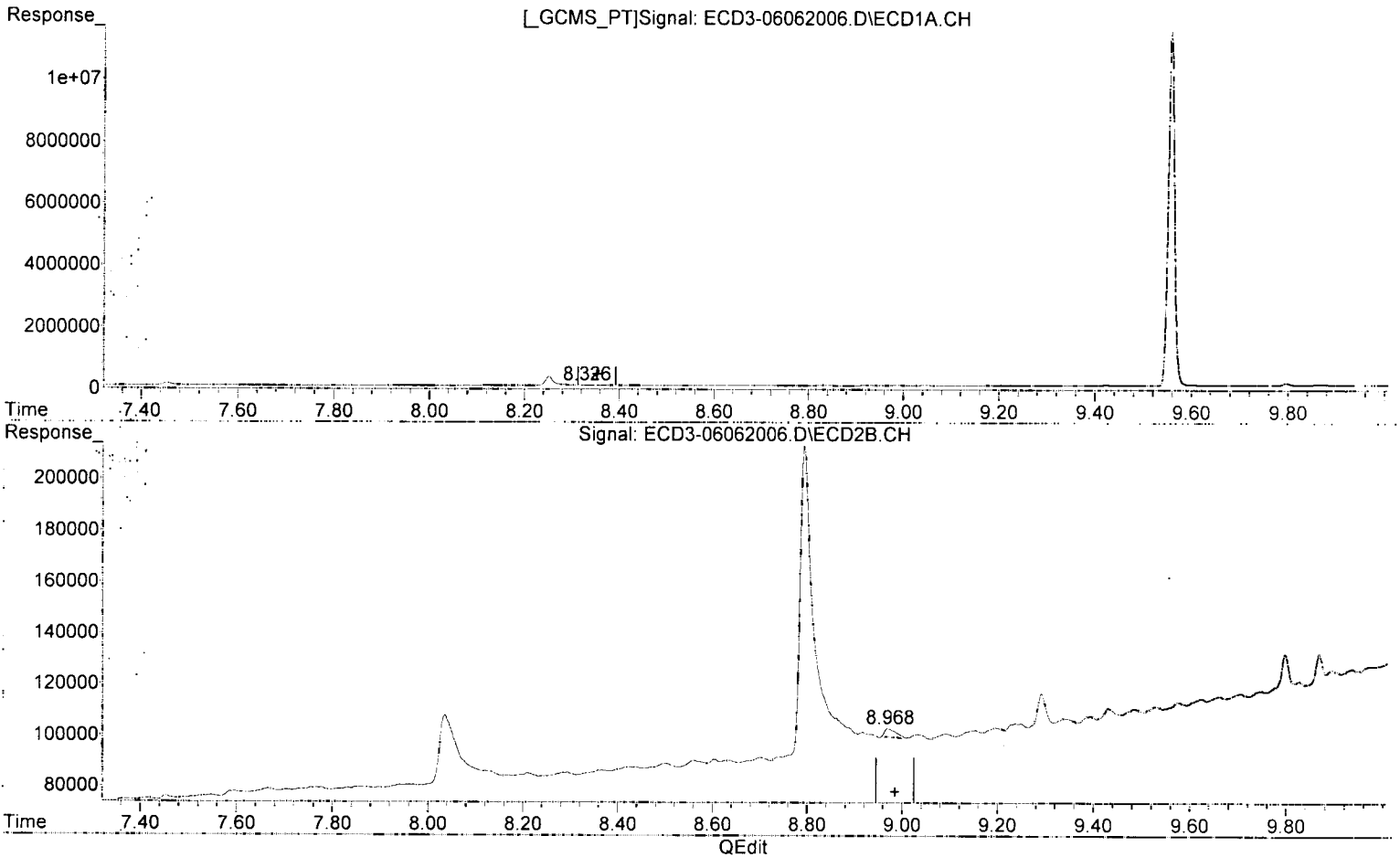
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 16:00:17 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:57
Operator : MJB
Sample : 0F06006-ICB1
Misc : A20E115
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(18) Endrin Aldehyde

8.326min 6985.000 ng/mL *Q201*
response 10325

MJB
6/8/20

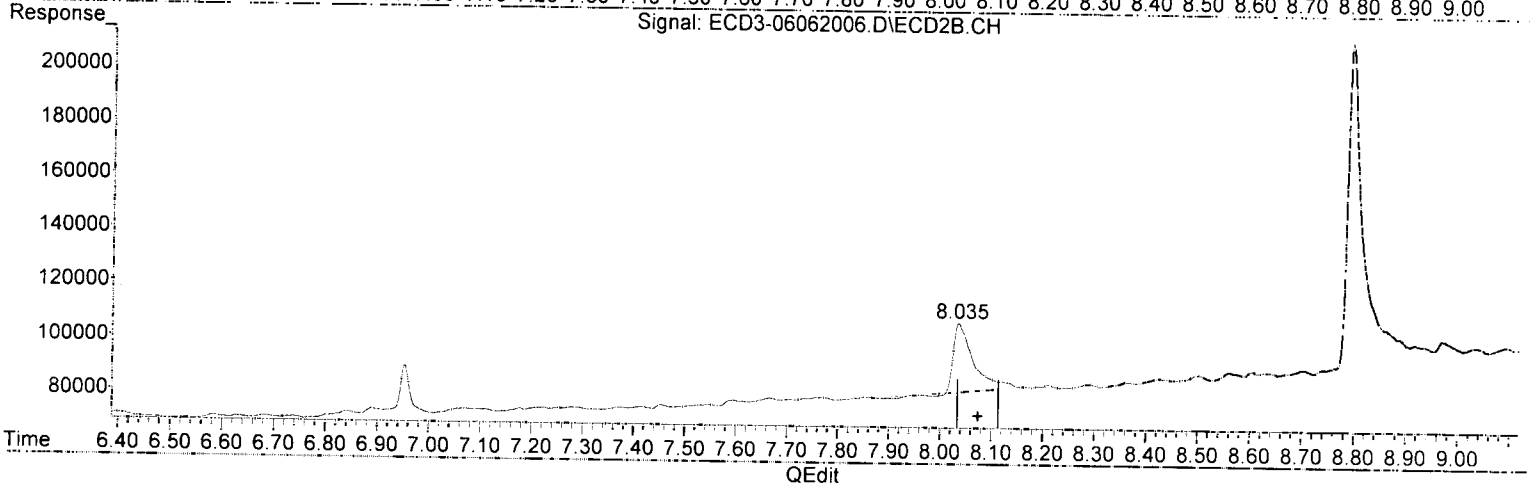
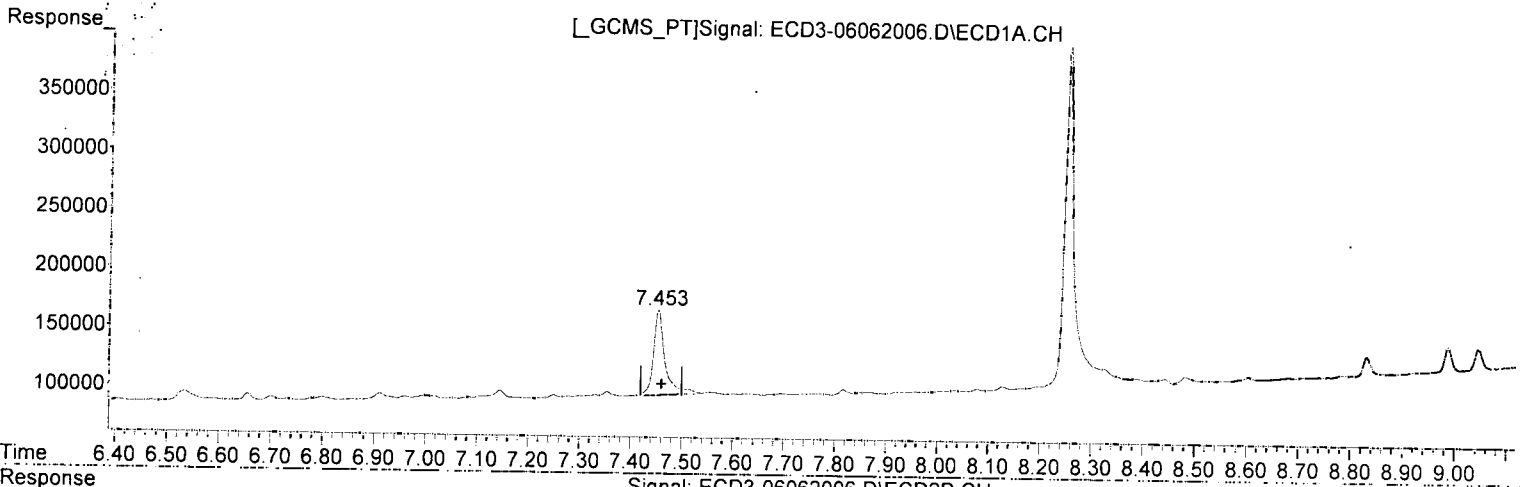
(18) Endrin Aldehyde #2

8.969min -0.130 ng/mL
response 3233

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:57
Operator : MJB
Sample : 0F06006-ICB1
Misc : A20E115
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(27) trans-Nonachlor
7.453min 0.010 ng/mL
response 71823

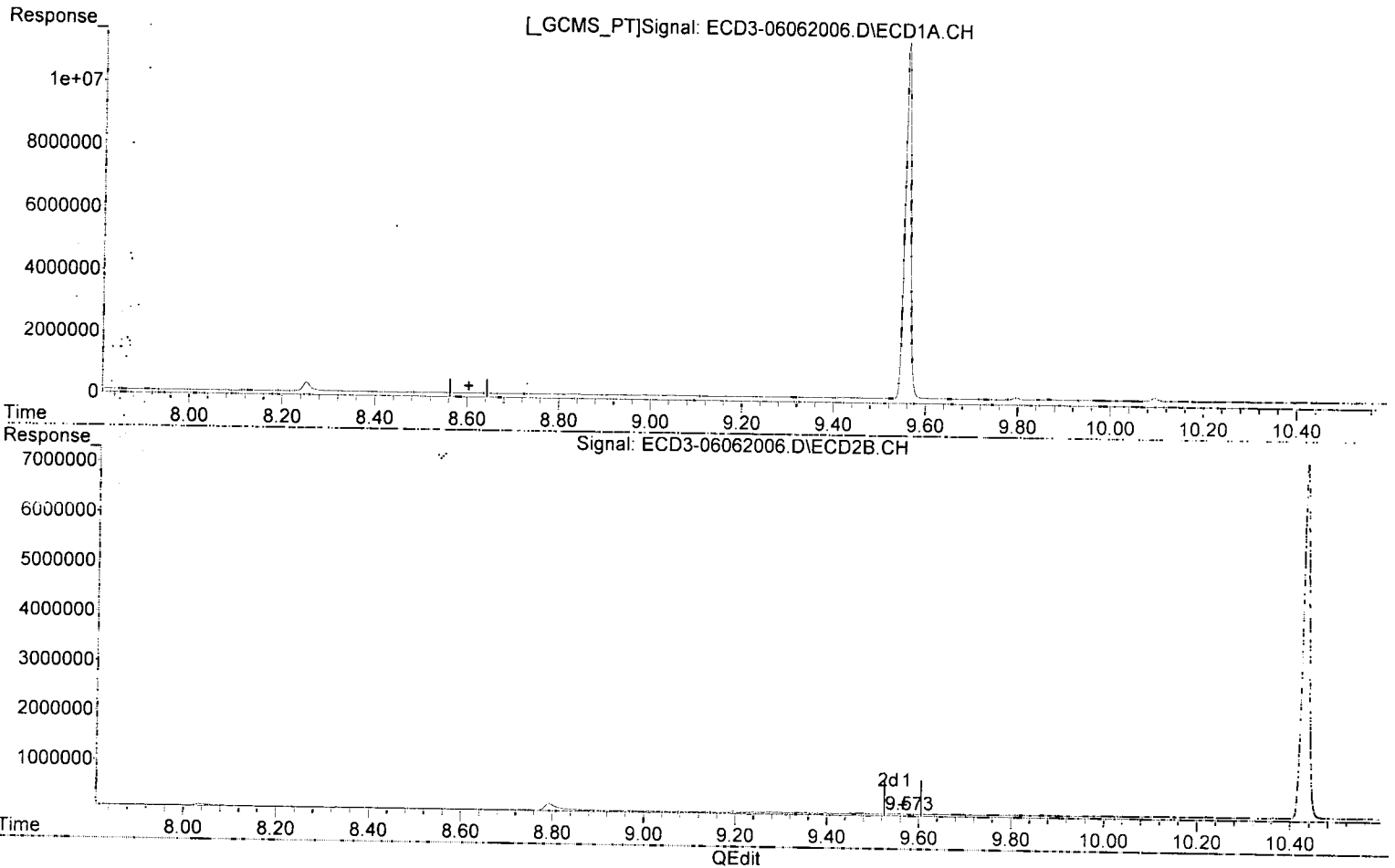
MJB
6/8/20

(27) trans-Nonachlor #2
8.036min 6236.506 ng/mL *QOL*
response 25631

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:57
Operator : MJB
Sample : 0F06006-ICB1
Misc : A20E115
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex
0.000min 0.000 ng/mL
response 0

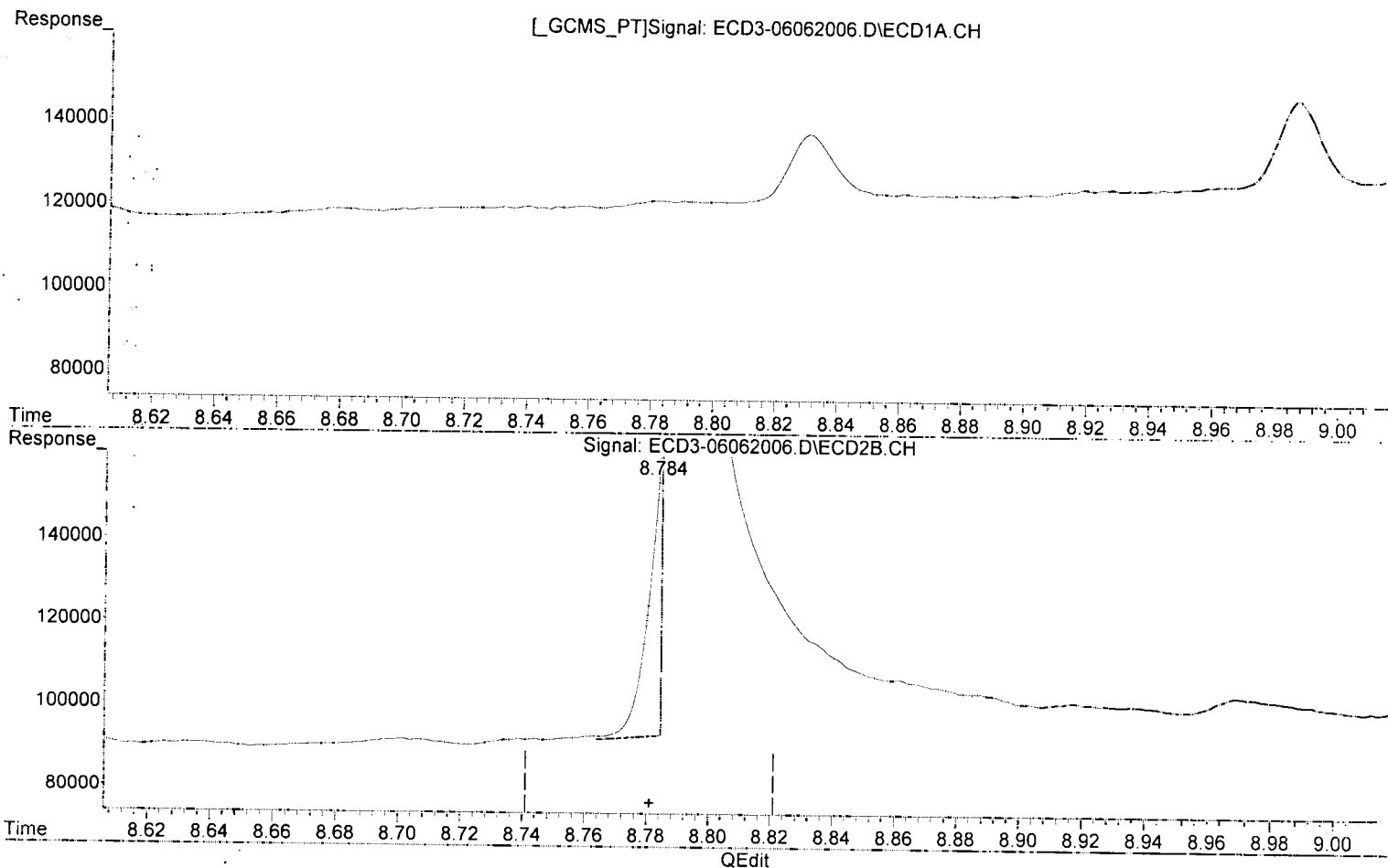
*MJB
6/8/20*

(31) Mirex #2
9.573min 4425101 ng/mL *Q-PL*
response 2011

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:57
Operator : MJB
Sample : 0F06006-ICB1
Misc : A20E115
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(34) Chlordane (3)
0.000min 0.000 ng/mL
response 0

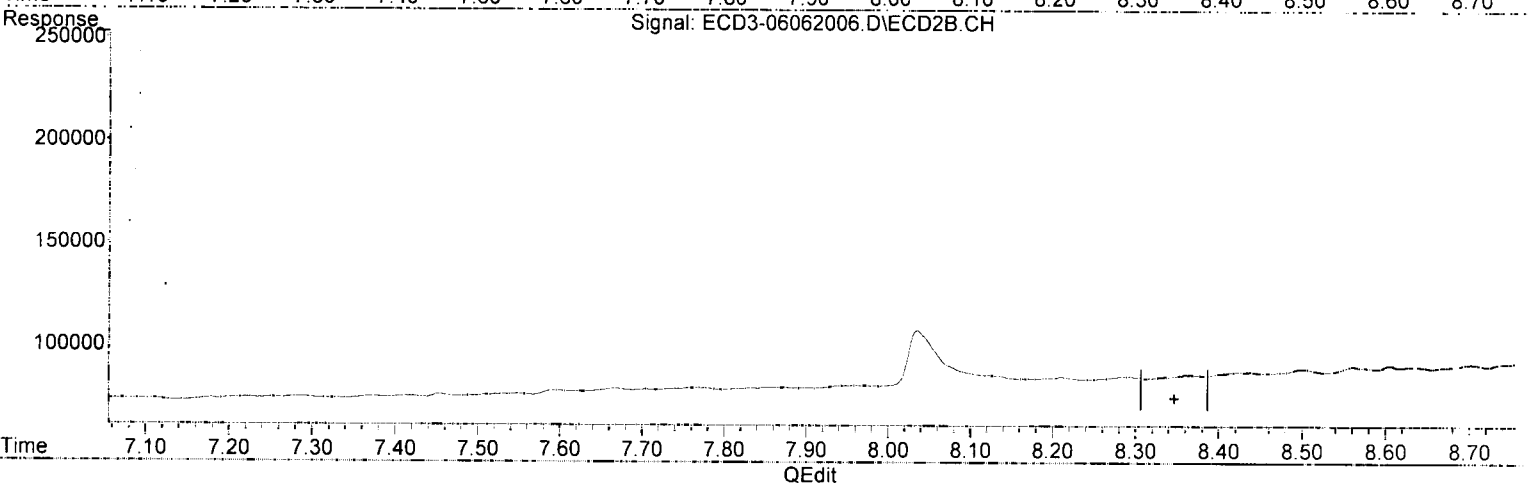
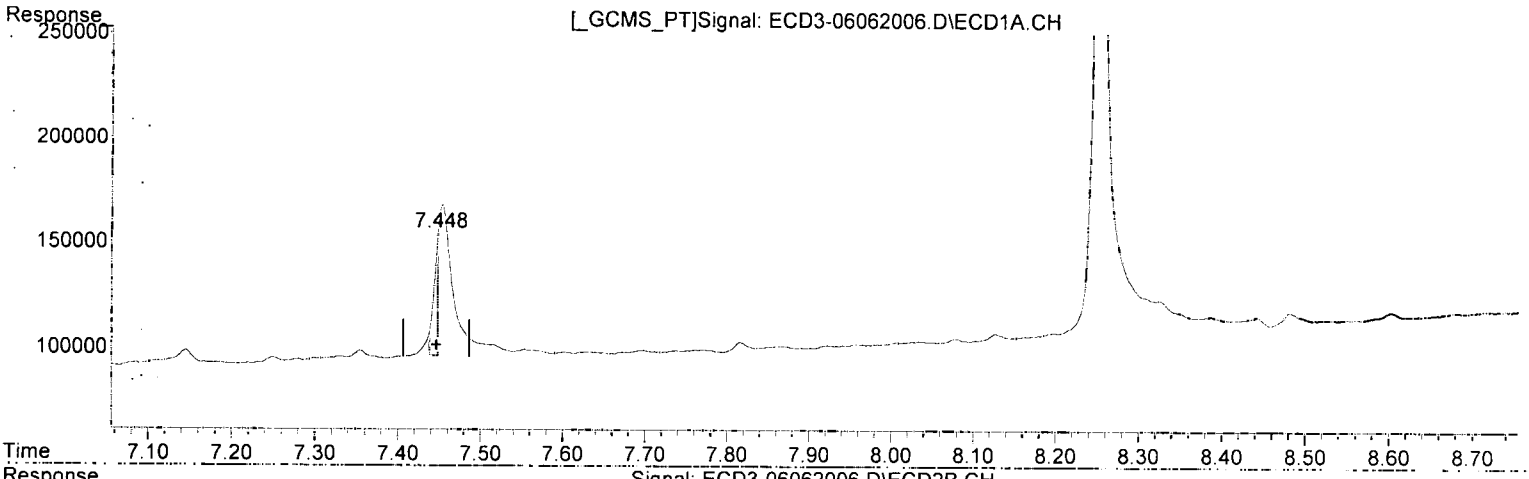
MJB
6/8/20

(34) Chlordane (3) #2
8.784min 21.004 ng/mL (m)
response 63778

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:57
Operator : MJB
Sample : 0F06006-ICB1
Misc : A20E115
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.448min 79.233 ng/mL(m)
response 58654

MJB
6/4/20

(36) Toxaphene (1) #2
0.000min 0.000 ng/mL
response 0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 16:57
 Operator : MJB
 Sample : 0F06006-ICB1
 Misc : A20E115
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:19 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: MJB 6/8/20

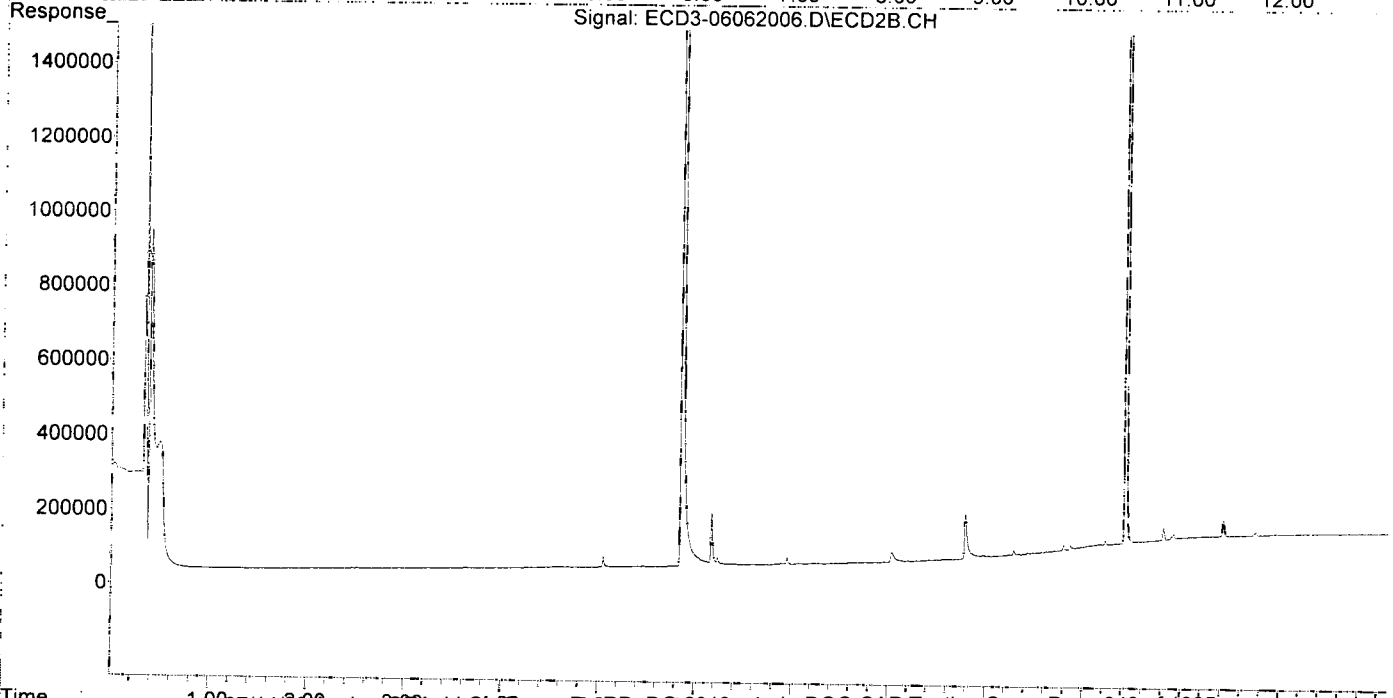
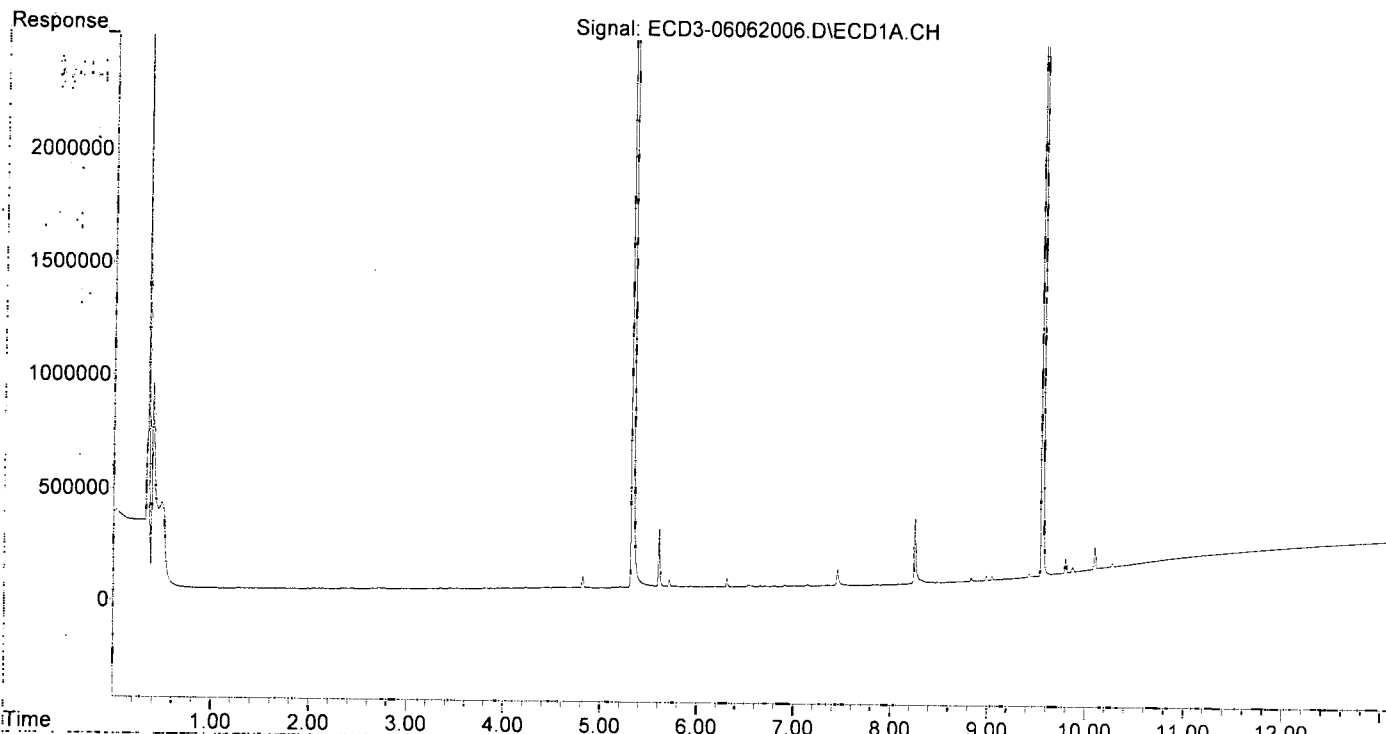
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.329	5.857	15028803	8215547	100.526	114.095
22) S DCBP (S)	9.557	10.429	11464511	7118340	102.713	106.905
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.533f	0.000	7247	0	0.044	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	8.036f	0	25631	N.D.	0.237 #
10) cis-Chlor...	7.453	8.121	71823	2656	0.134	0.025 #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4;4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	8.917f	0	1712	N.D.	BelowCal
18) Endrin Al...	8.326f	8.969	10325	3233	6985.000	BelowCal #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	8.481	0.000	5201	0	0.099	N.D. #
21) Endrin Ke...	8.831f	9.573	15195	2011	0.110	0.025 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.712	0.000	28907	0	0.199	N.D. #
25) Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.036f	0	25631	N.D.	0.115 #
27) trans-Non...	7.453	8.036f	71823	25631	0.010	6236.506 #
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	0.000	9.573	0	2011	N.D.	4425.101 #
32) Chlordane...	0.000	8.036f	0	25631	N.D.	2.043 #
33) Chlordane...	7.453	8.121	71823	2656	3.242	0.248 #
34) Chlordane...	0.000	8.793	0	118969	N.D.	39.180 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.453	0.000	71823	0	97.023	N.D. #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.326f	8.793	10325	118969	BelowCal	26.424
40) Toxaphene...	0.000	8.969	0	3233	N.D.	BelowCal
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:57
Operator : MJB
Sample : 0F06006-ICB1
Misc : A20E115
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 19:47
 Operator : MJB
 Sample : 0F06006-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:24 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

clean
MB
6/8/21

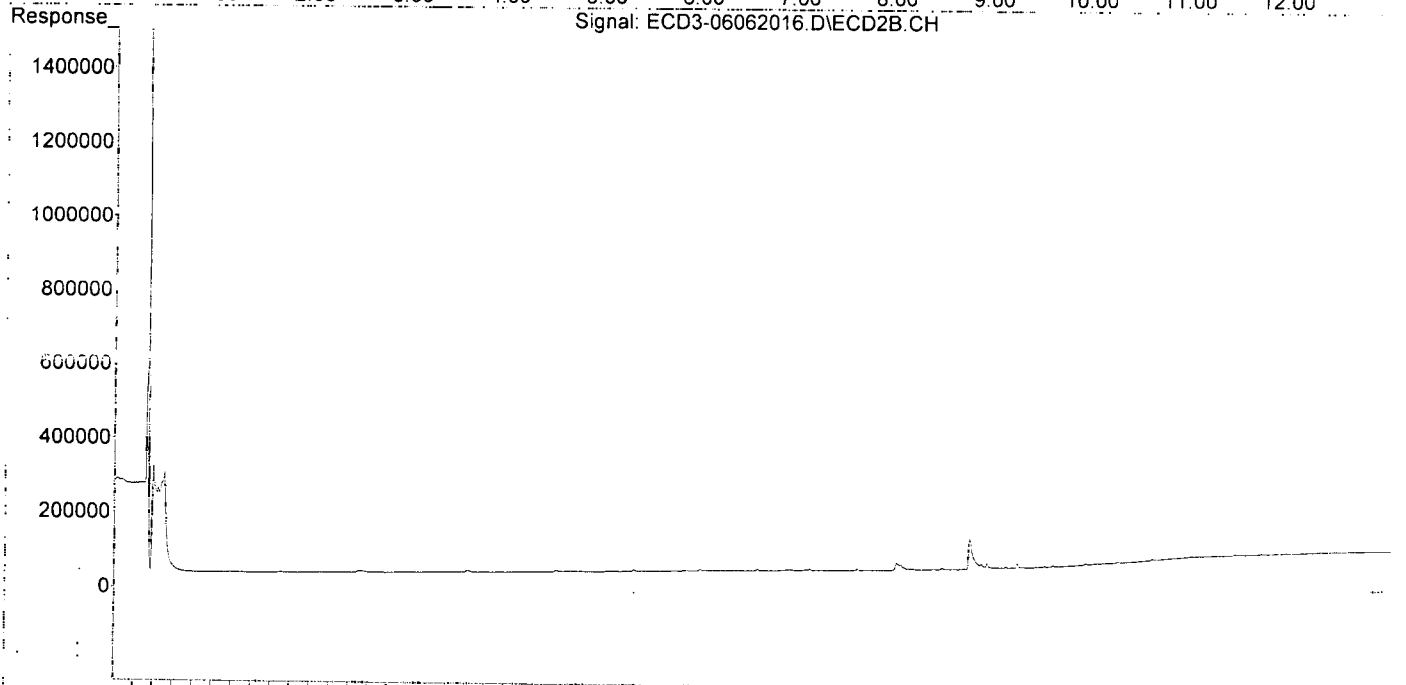
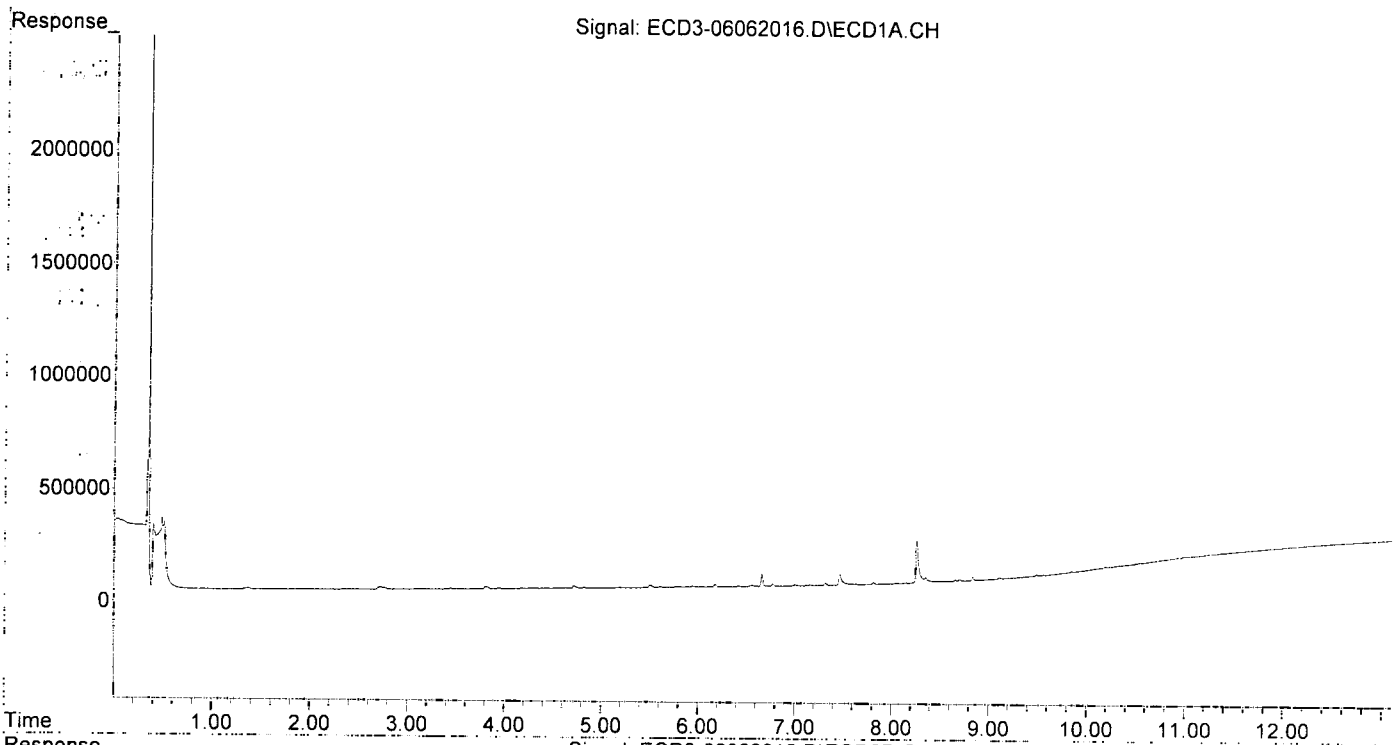
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S DCBP (S)	9.561	0.000	1536	0	30098.546	N.D.	#
Target Compounds							
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3) g-BHC	6.179f	0.000	9631	0	0.052	N.D.	#
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5) Heptachlor	6.557	7.156	2784	3399	0.017	0.034	#
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7) Aldrin	6.772f	0.000	8273	0	0.045	N.D.	#
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.	
10) cis-Chlor...	7.467	8.097f	45882	12414	BelowCal	0.115	
11) Endosulfa...	7.565	0.000	2189	0	0.015	N.D.	#
12) 4,4'-DDE	7.565f	0.000	2189	0	0.013	N.D.	#
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14) Endrin	0.000	0.000	0	0	N.D.	N.D.	
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16) Endosulfa...	8.062	0.000	2695	0	0.021	N.D.	#
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.354	8.986	19757	13717	6984.907	0.029	#
19) Endosulfa...	8.657	9.178	6646	3941	0.053	0.056	
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.835	9.575	15620	2069	0.113	0.026	#
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.	
26) 2,4'-DDE	7.318f	0.000	9399	0	BelowCal	N.D.	
27) trans-Non...	7.467	8.059	45882	17421	BelowCal	6236.588	
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29) 2,4'-DDT	7.813f	0.000	7483	0	0.097	N.D.	#
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31) Mirex	0.000	9.575	0	2069	N.D.	4425.100	#
32) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
33) Chlordane...	7.467	8.097f	45882	12414	2.071	1.159	#
34) Chlordane...	0.000	8.808f	0	81531	N.D.	26.851	#
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.467f	0.000	45882	0	61.980	N.D.	#
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38) Toxaphene...	8.062	0.000	2695	0	0.956	N.D.	#
39) Toxaphene...	8.260f	8.808	189150	81531	64.208	10.154	#
40) Toxaphene...	0.000	8.986	0	13717	N.D.	4.645	#
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 19:47
Operator : MJB
Sample : 0F06006-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:24 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 20:04
 Operator : MJB
 Sample : 0F06006-ICV1
 Misc : A20C164, AB 50 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:29 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

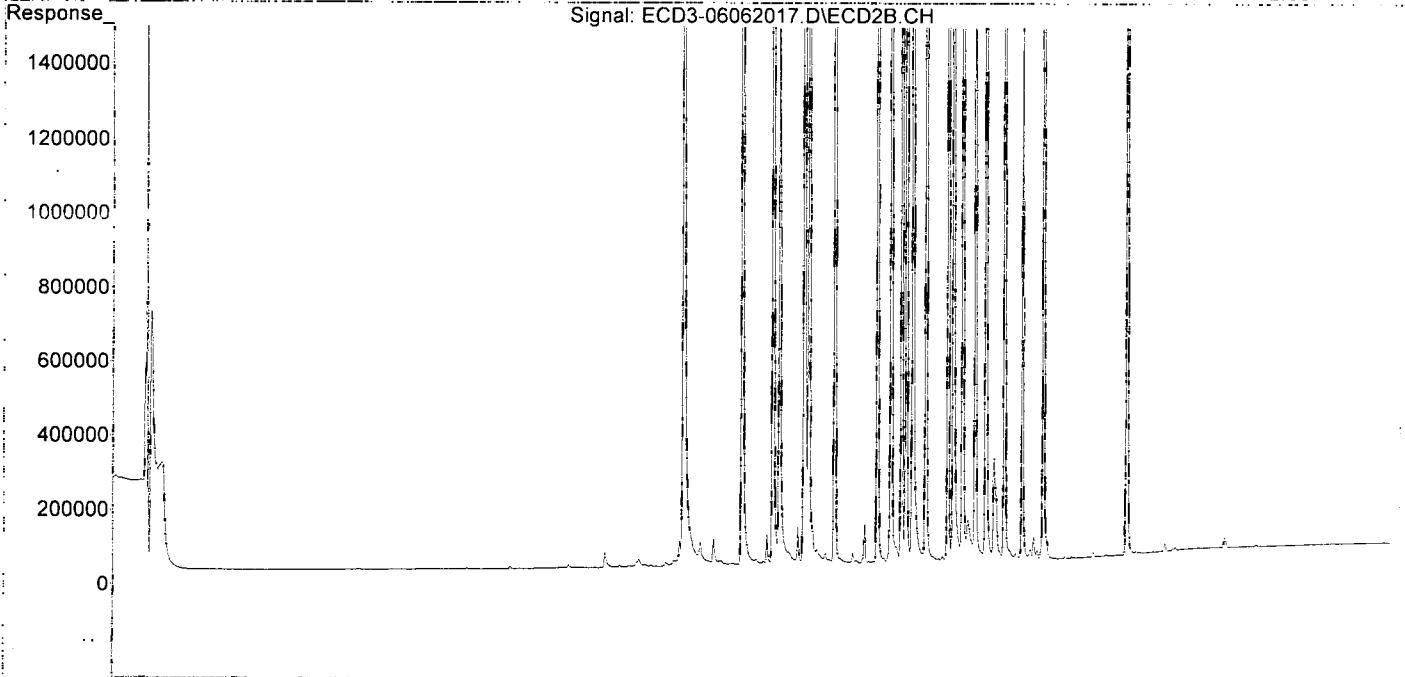
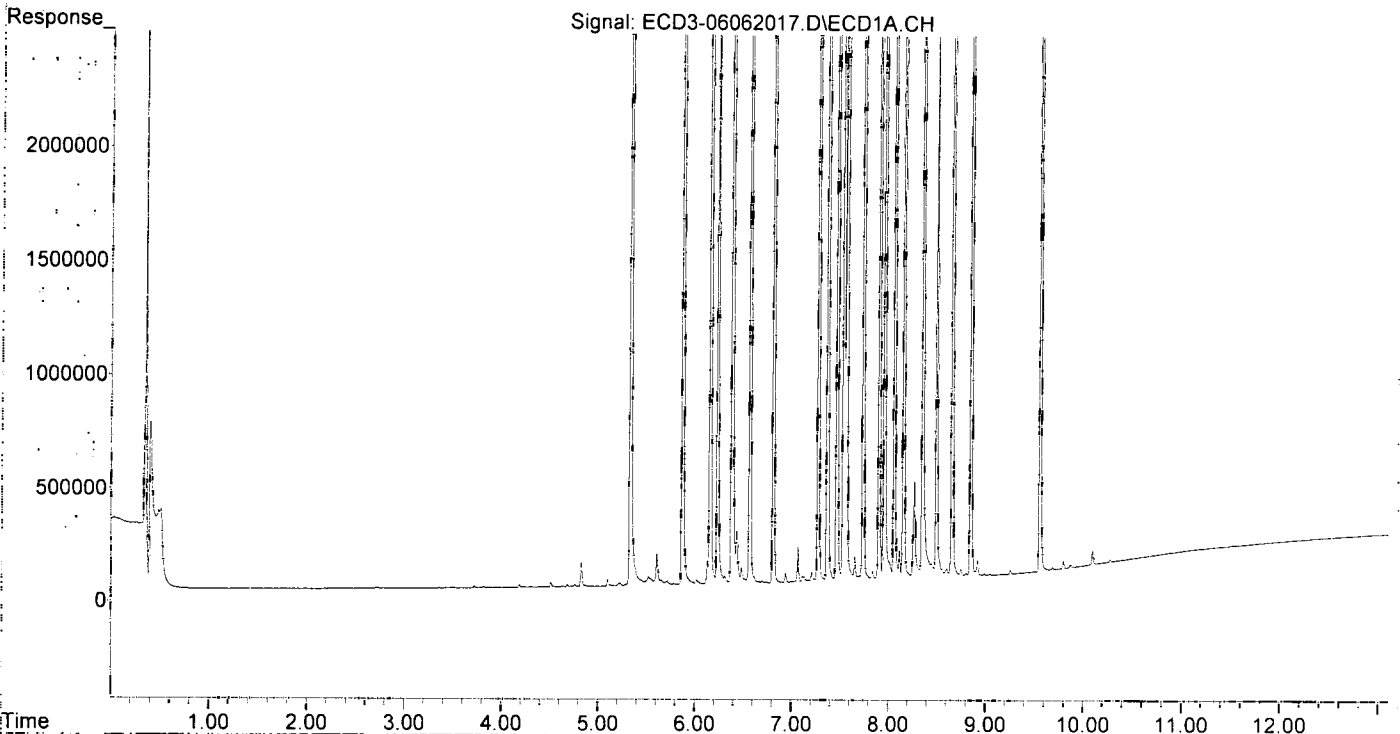
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.331	5.861	7404533	3483922	49.528	52.520
22) S DCBP (S)	9.559	10.428	5674124	3364406	50.663	50.091
Target Compounds						
2) a-BHC	5.872	6.469	10903049	6454377	51.136	51.967
3) g-BHC	6.157	6.788	9680994	5891364	52.192	52.837
4) b-BHC	6.233	6.856	3924219	2276414	49.676	50.505
5) Heptachlor	6.569	7.161	8082828	5111707	48.584	51.839
6) d-BHC	6.382	7.111	8574057	4667062	51.337	53.532
7) Aldrin	6.810	7.428	9460524	6151419	51.549	51.522
8) Heptachlo...	7.274	7.869	8127171	5365900	50.238	50.850
9) trans-Chl...	7.370	8.010	8362985	5463277	49.089	50.547
10) cis-Chlor...	7.468	8.118	8160534	5464343	51.009	50.585
11) Endosulfa...	7.565	8.166	7508288	4854628	50.007	52.099
12) 4,4'-DDE	7.534	8.232	8026286	4672882	49.192	50.116
13) Dieldrin	7.739	8.369	8284039	5452611	50.772	52.418
14) Endrin	7.904	8.597	6467397	3948309	50.107	51.783
15) 4,4'-DDD	7.957	8.650	6364555	3718651	49.092	51.422
16) Endosulfa...	8.061	8.746	6818503	4340340	53.319	54.567
17) 4,4'-DDT	8.156	8.876	5413307	2972600	53.172	54.707
18) Endrin Al...	8.353	8.985	4966984	3424445	48.961	51.347
19) Endosulfa...	8.657	9.176	6438388	3743800	51.294	53.357
20) Methoxychlor	8.496	9.360	2559366	1430529	48.600	54.109
21) Endrin Ke...	8.851	9.575	6845383	4013449	49.598	49.953
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.715	0.000	15692	0	0.108	N.D. #
25) Oxychlorane	7.209	7.784	40405	3235	0.131	7645.613 #
26) 2,4'-DDE	7.274	8.010	8127171	5463277	81.386	87.623
27) trans-Non...	7.468	8.069	8160534	40922	53.939	0.076 #
28) 2,4'-DDD	7.655	8.369	101634	5452611	1.110	101.309 #
29) 2,4'-DDT	7.839	8.597	34776	3948309	0.451	87.076 #
30) cis-Nonac...	7.957f	8.650	6364555	3718651	36.471	34.830
31) Mirex	8.604	9.575	36167	4013449	0.070	62.872 #
32) Chlordane...	7.370	8.010	8362985	5463277	465.377	435.449
33) Chlordane...	7.468	8.118	8160534	5464343	368.364	510.143
34) Chlordane...	8.009	8.804f	74812	107765	14.898	35.490 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.468f	8.369f	8160534	5452611	11023.670	5817.533 #
37) Toxaphene...	7.739	0.000	8284039	0	6093.625	N.D. #
38) Toxaphene...	8.061	8.746	6818503	4340340	2419.570	2588.107
39) Toxaphene...	8.321f	8.804	38710	107765	2.450	21.565 #
40) Toxaphene...	8.555f	8.985	34491	3424445	17.484	1963.597 #
41) Toxaphene...	8.604	9.360	36167	1430529	13.028	891.819 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:04
Operator : MJB
Sample : 0F06006-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 22:55
 Operator : MJB
 Sample : 0F06006-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:33 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Clean
MJB
6/8/20

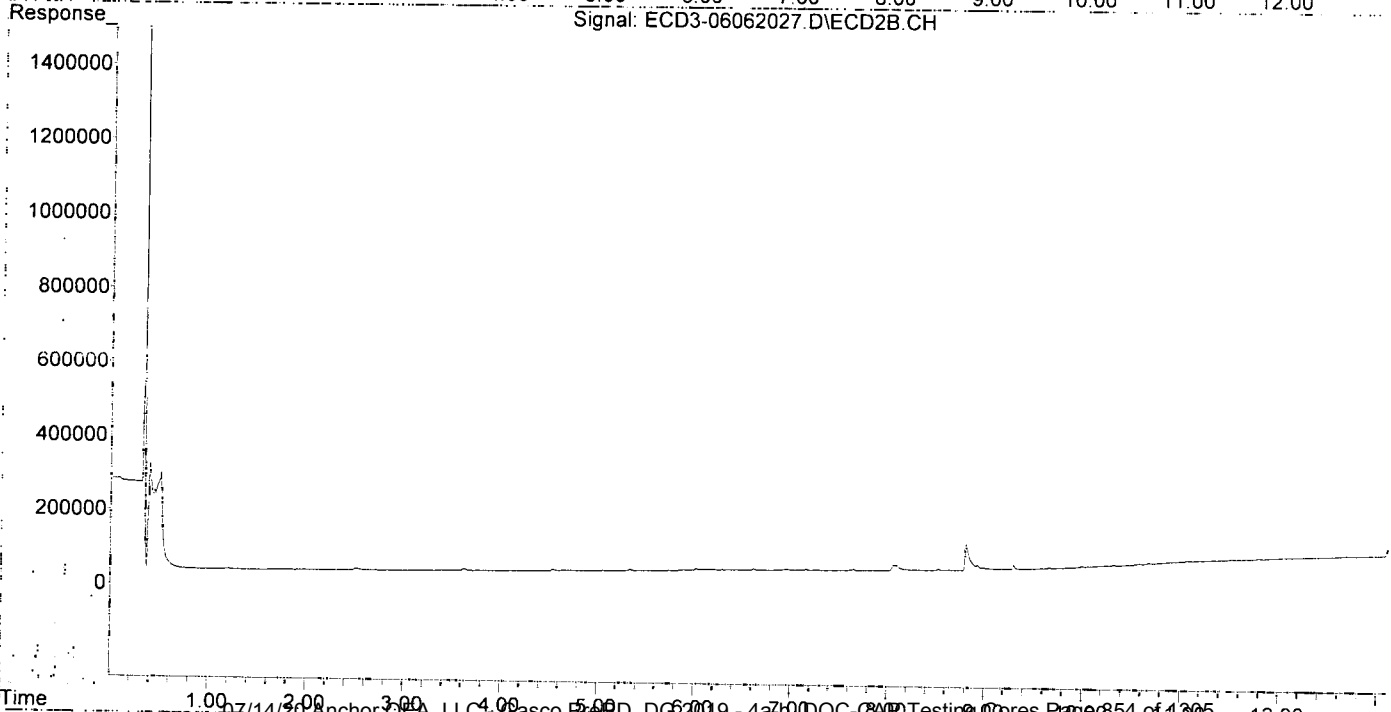
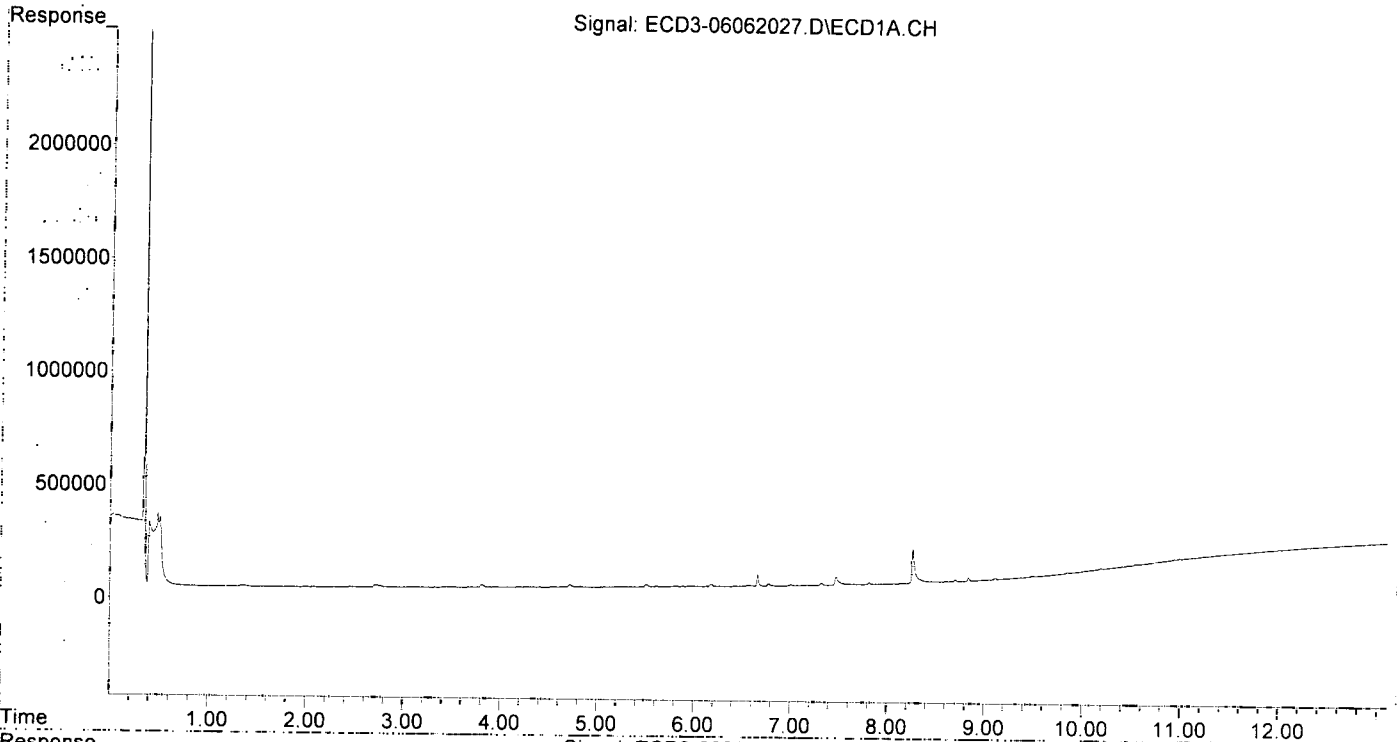
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.179f	0.000	9259	0	0.050	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	6.773f	0.000	8139	0	0.044	N.D. #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	7.470	8.096f	34780	11877	BelowCal	0.110
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	0.000	0	0	N.D.	N.D.
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	8.482	0.000	1998	0	0.038	N.D. #
21) Endrin Ke...	8.837	0.000	14373	0	0.104	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.318f	0.000	8917	0	BelowCal	N.D.
27) trans-Non...	7.470	8.067	34780	13756	BelowCal	6236.625
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.814f	0.000	7479	0	0.097	N.D. #
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	0.000	0.000	0	0	N.D.	N.D.
32) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33) Chlordane...	7.470	8.096f	34780	11877	1.570	1.109
34) Chlordane...	0.000	8.810f	0	68610	N.D.	22.595 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.470f	0.000	34780	0	46.983	N.D. #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.264f	8.810	151680	68610	48.887	4.516 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 22:55
Operator : MJB
Sample : 0F06006-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:33 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 23:12
 Operator : MJB
 Sample : 0F06006-ICV2
 Misc : A20C360, 9-42 50 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:37 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

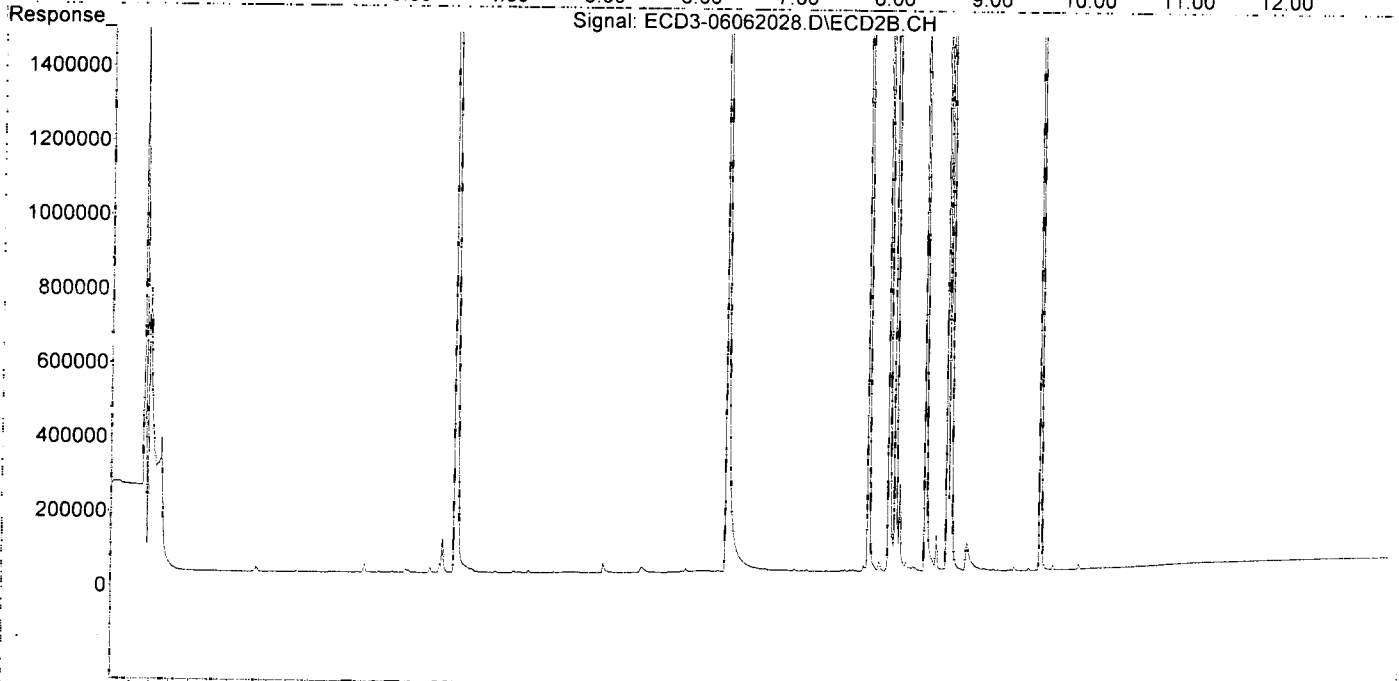
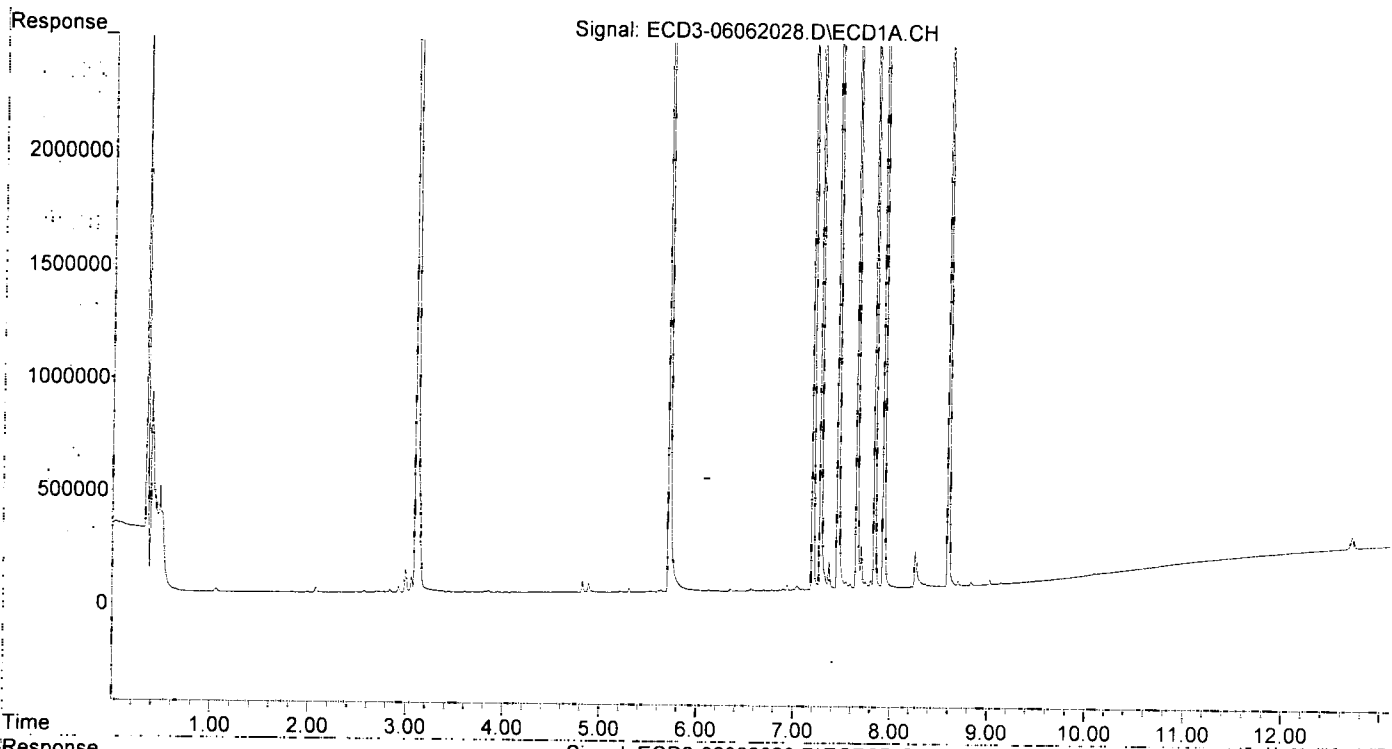
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.306f	5.873	14700	1932	0.098	BelowCal #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.569	7.161	9863	5125	0.059	0.052
6) d-BHC	6.350f	0.000	9370	0	0.056	N.D. #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.282	7.906f	5107043	22755	31.569	0.216 #
9) trans-Chl...	7.371	8.008	117460	3217471	0.689	29.768 #
10) cis-Chlor...	7.462	8.118	8092826	229881	50.587	2.128 #
11) Endosulfa...	7.548	8.183	27509	17378	0.183	0.186 #
12) 4,4'-DDE	7.548	8.260f	27509	4499	0.169	0.048 #
13) Dieldrin	7.747	8.383	23567	2733041	0.144	26.274 #
14) Endrin	7.934f	8.607	8625806	2723154	66.830	35.715 #
15) 4,4'-DDD	7.934f	8.643	8625806	5564220	66.533	76.942
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.363	8.989	11158	3633	6984.991	BelowCal #
19) Endosulfa...	8.647	0.000	22949	0	0.183	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.837	9.564	13732	3245168	0.099	40.390 #
23) Hexachlor...	3.106	3.529	7713467	6272019	47.322	46.636
24) Hexachlor...	5.717	6.331	7201753	3617478	49.504	54.607
25) Oxychlordan	7.203	7.798	6632116	4426268	51.301	52.691
26) 2,4'-DDE	7.282	8.008	5107043	3217471	51.373	52.516
27) trans-Non...	7.462	8.074	8092826	5164480	53.494	52.199
28) 2,4'-DDD	7.657	8.383	4453788	2733041	48.658	51.624
29) 2,4'-DDT	7.841	8.607	4397656	2723154	57.008	60.057
30) cis-Nonac...	7.934	8.643	8625806	5564220	49.428	52.337
31) Mirex	8.604	9.564	4933345	3245168	49.908	50.640
32) Chlordane...	7.371	8.008	117460	3217471	6.536	256.448 #
33) Chlordane...	7.462	8.118	8092826	229881	365.308	21.461 #
34) Chlordane...	0.000	8.810f	0	70895	N.D.	23.348 #
35) Chlordane...	0.000	3.942	0	3285	N.D.	NoCal
36) Toxaphene...	7.462	8.383f	8092826	2733041	10932.206	2915.952 #
37) Toxaphene...	7.747	0.000	23567	0	17.335	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.263f	8.810	157389	70895	51.224	5.514 #
40) Toxaphene...	0.000	8.989	0	3633	N.D.	BelowCal
41) Toxaphene...	8.604	0.000	4933345	0	1777.138	N.D. #
42) Toxaphene...	0.000	3.942	0	3285	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 23:12
Operator : MJB
Sample : 0F06006-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 1:29
 Operator : MJB
 Sample : 0F06006-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:41 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

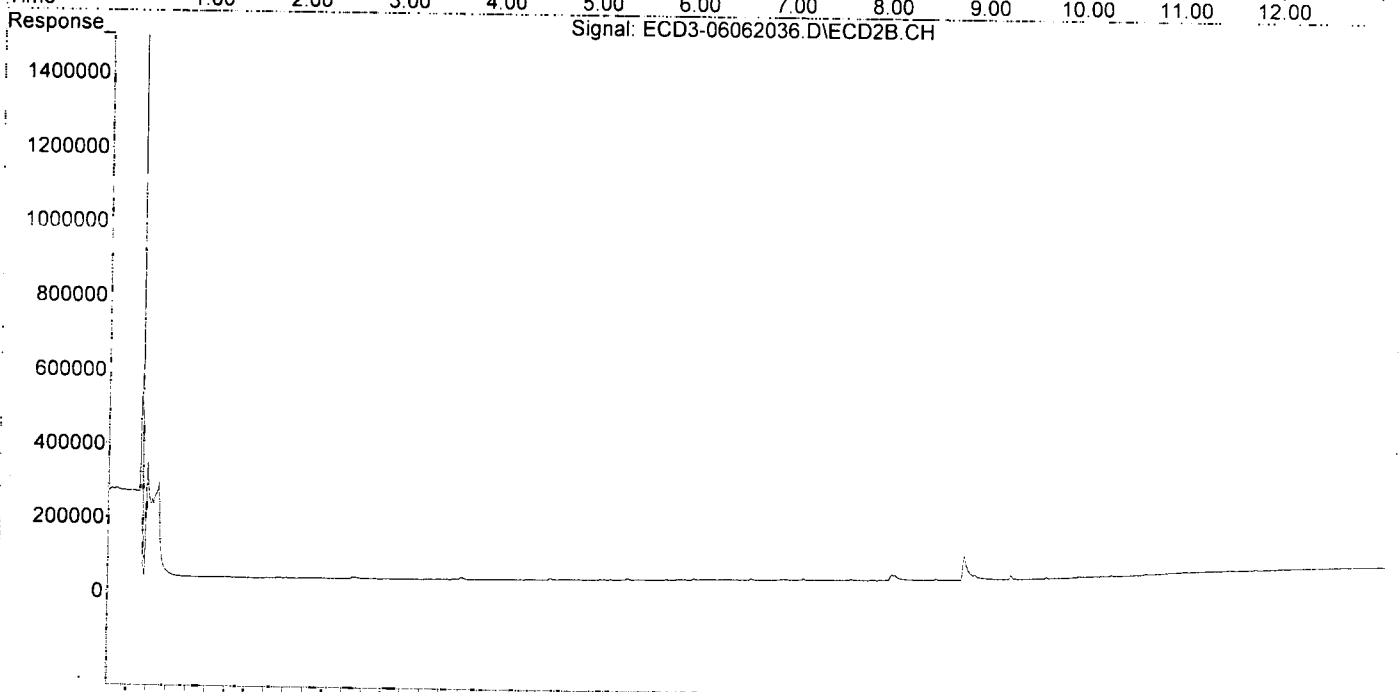
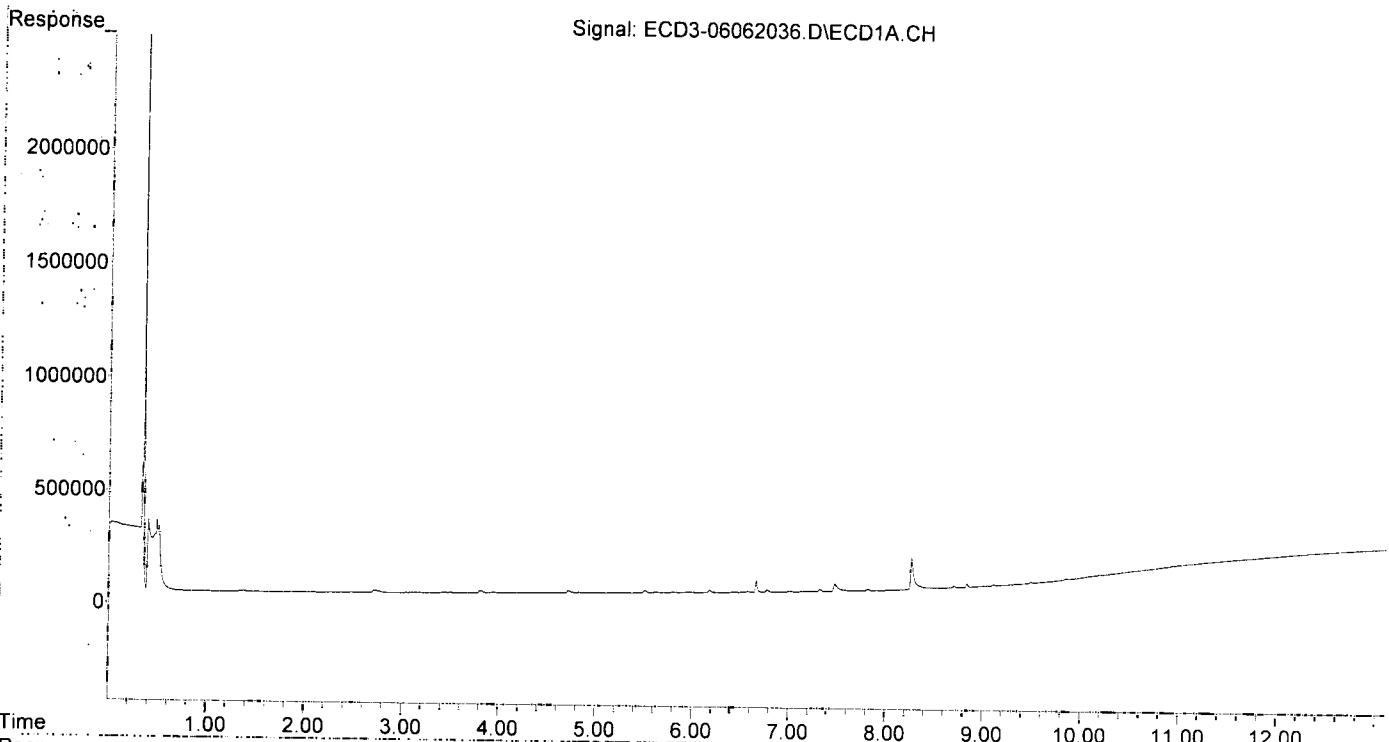
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.180f	0.000	9199	0	0.050	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	6.774f	0.000	8341	0	0.045	N.D. #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	7.474	8.098f	31199	12132	BelowCal	0.112
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	8.981	0	2755	N.D.	BelowCal
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.837	0.000	14368	0	0.104	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.320f	0.000	8386	0	BelowCal	N.D.
27) trans-Non...	7.474	8.070	31199	12784	BelowCal	6236.635
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.814f	0.000	7240	0	0.094	N.D. #
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	0.000	0.000	0	0	N.D.	N.D.
32) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33) Chlordane...	7.474	8.098f	31199	12132	1.408	1.133
34) Chlordane...	0.000	8.812f	0	63701	N.D.	20.979 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.474f	0.000	31199	0	42.145	N.D. #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.266f	8.812	135099	63701	42.095	2.371 #
40) Toxaphene...	0.000	8.981	0	2755	N.D.	BelowCal
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 1:29
Operator : MJB
Sample : 0F06006-TBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 1:46
 Operator : MJB
 Sample : 0F06006-ICV3
 Misc : A20F062, CHLOR 500 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:44 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.566	0.000	11419	0	30098.458	N.D. #
Target Compounds						
2) a-BHC	5.903f	6.495f	10567	121564	0.050	0.979 #
3) g-BHC	6.128f	6.796	185831	117707	1.002	1.056
4) b-BHC	6.232	6.856	45899	38092	0.581	0.845 #
5) Heptachlor	6.570	7.160	3955349	2503386	23.775	25.388
6) d-BHC	6.376	7.090f	73283	35544	0.439	0.408
7) Aldrin	6.816	7.434	59843	31685	0.326	0.265
8) Heptachlo...	7.286	7.888	724983	163320	4.481	1.548 #
9) trans-Chl...	7.371	8.008	9010889	6467030	52.892	59.833
10) cis-Chlor...	7.466	8.117	11052564	5406826	68.950	50.052
11) Endosulfa...	7.586f	8.183	239132	81783	1.593	0.878 #
12) 4,4'-DDE	7.524	8.238	266119	149983	1.631	1.609
13) Dieldrin	7.754	8.369	300902	316409	1.844	3.042 #
14) Endrin	7.896	8.592	151244	125988	1.172	1.652 #
15) 4,4'-DDD	7.934f	8.642	1544000	1112034	11.909	15.377
16) Endosulfa...	8.069	8.733	165862	118829	1.297	1.494
17) 4,4'-DDT	8.193f	8.882	491726	55911	5.202	1.011 #
18) Endrin Al...	8.379f	9.012f	51502	280496	0.300	4.061 #
19) Endosulfa...	8.663	9.202f	94406	24115	0.752	0.344 #
20) Methoxychlor	8.504	9.399f	43328	22111	0.823	0.863
21) Endrin Ke...	8.843	9.575	19146	42962	0.139	0.535 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.702	6.301f	18304	12298	0.126	0.029 #
25) Oxychlorane	7.197	7.812	90504	89590	0.521	0.859 #
26) 2,4'-DDE	7.286	8.008	724983	6467030	7.203	102.893 #
27) trans-Non...	7.466	8.074	11052564	4770562	72.879	48.160
28) 2,4'-DDD	7.621f	8.369	722144	316409	7.889	5.912
29) 2,4'-DDT	7.864f	8.612	217286	71496	2.817	1.577 #
30) cis-Nonac...	7.934	8.642	1544000	1112034	8.848	10.252
31) Mirex	8.598	9.575	11369	42962	20727.519	0.386 #
32) Chlordane...	7.371	8.008	9010889	6467030	501.431	515.453
33) Chlordane...	7.466	8.117	11052564	5406826	498.909	504.774
34) Chlordane...	8.018	8.780	2597475	1658691	517.252	546.261
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.437	8.369f	1404556	316409	1897.347	337.586 #
37) Toxaphene...	7.754	8.699	300902	160949	221.339	141.291
38) Toxaphene...	8.047	8.733	127590	118829	45.276	70.857 #
39) Toxaphene...	8.297	8.780	129263	1658691	39.702	626.610 #
40) Toxaphene...	8.504f	8.952f	43328	30525	21.963	16.164
41) Toxaphene...	8.598	0.000	11369	0	4.095	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

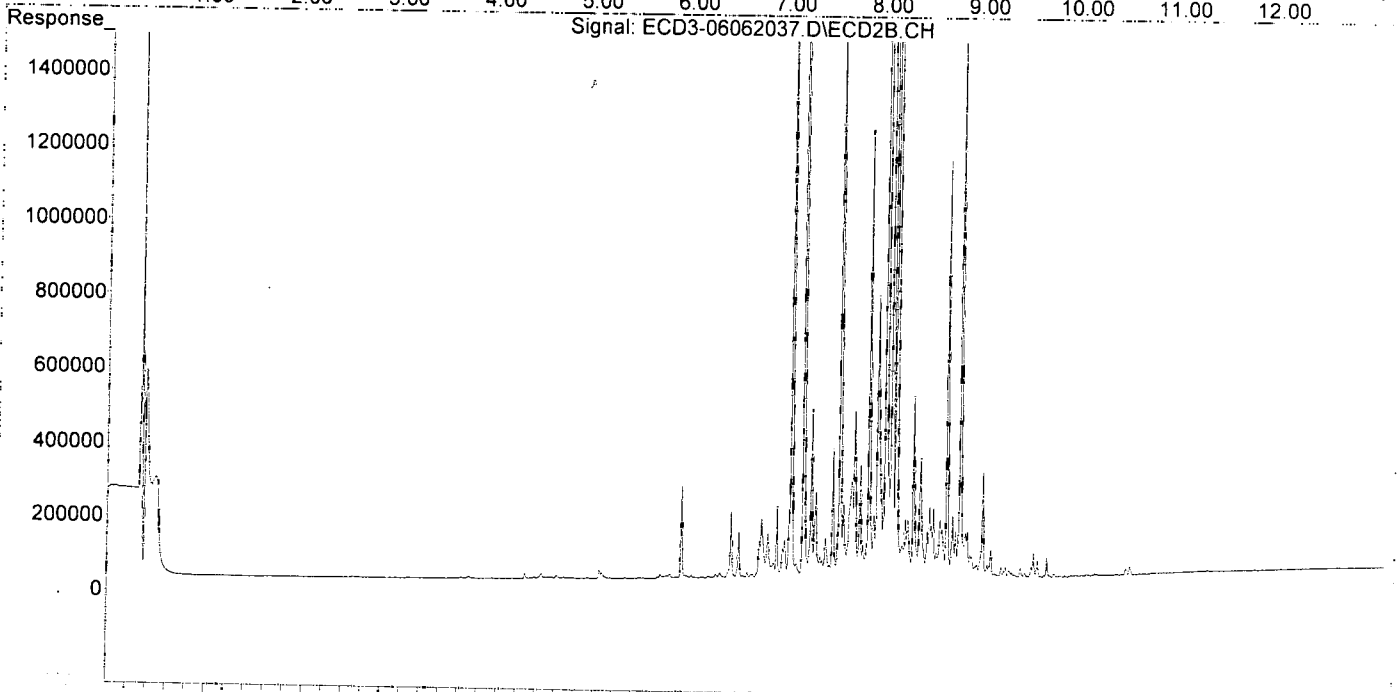
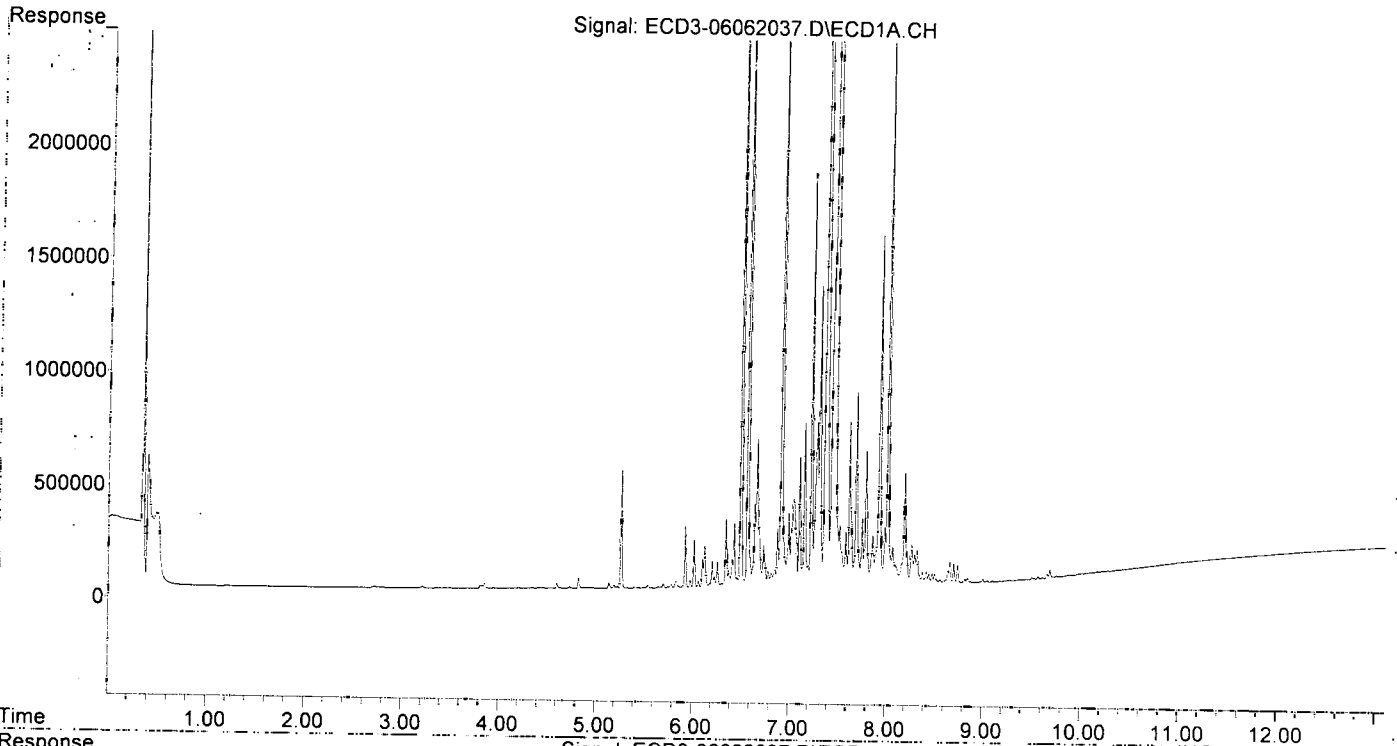
505.86 522.16

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 1:46
Operator : MJB
Sample : 0F06006-ICV3
Misc : A20F062, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 4:03
 Operator : MJB
 Sample : 0F06006-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:49 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Clean
MJB
6/8/20

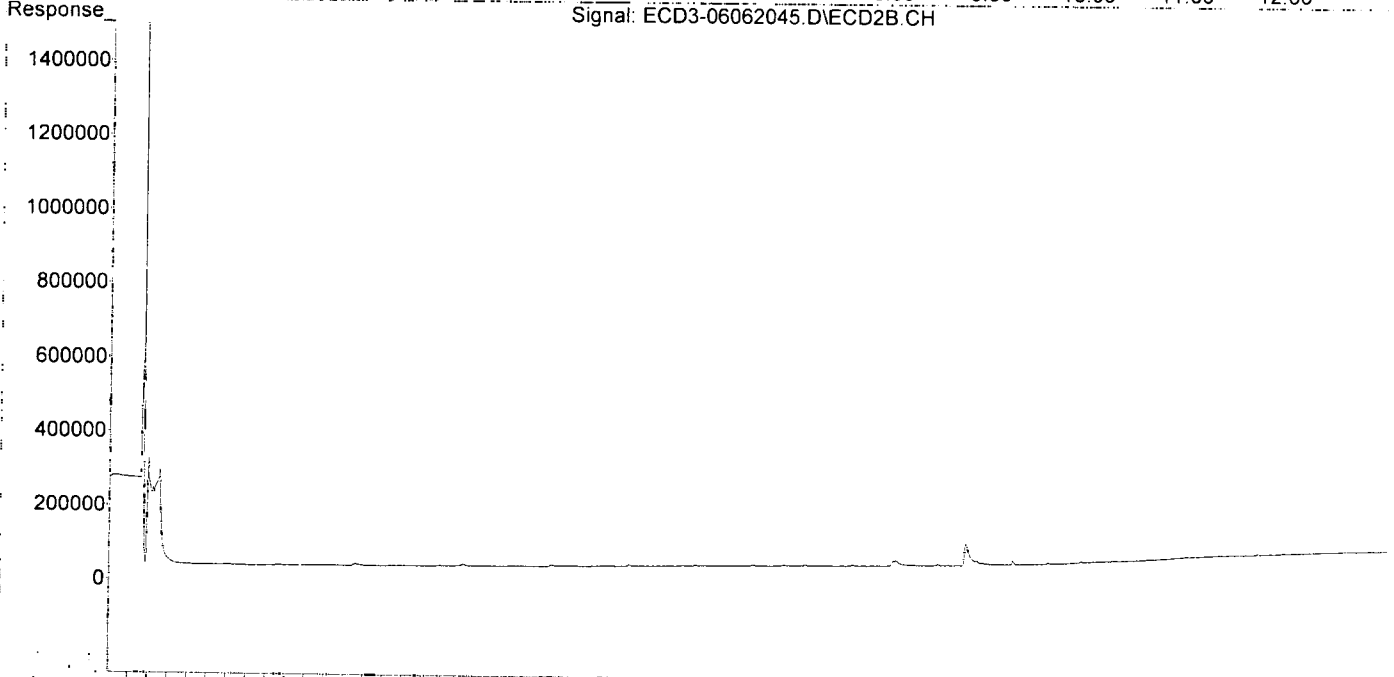
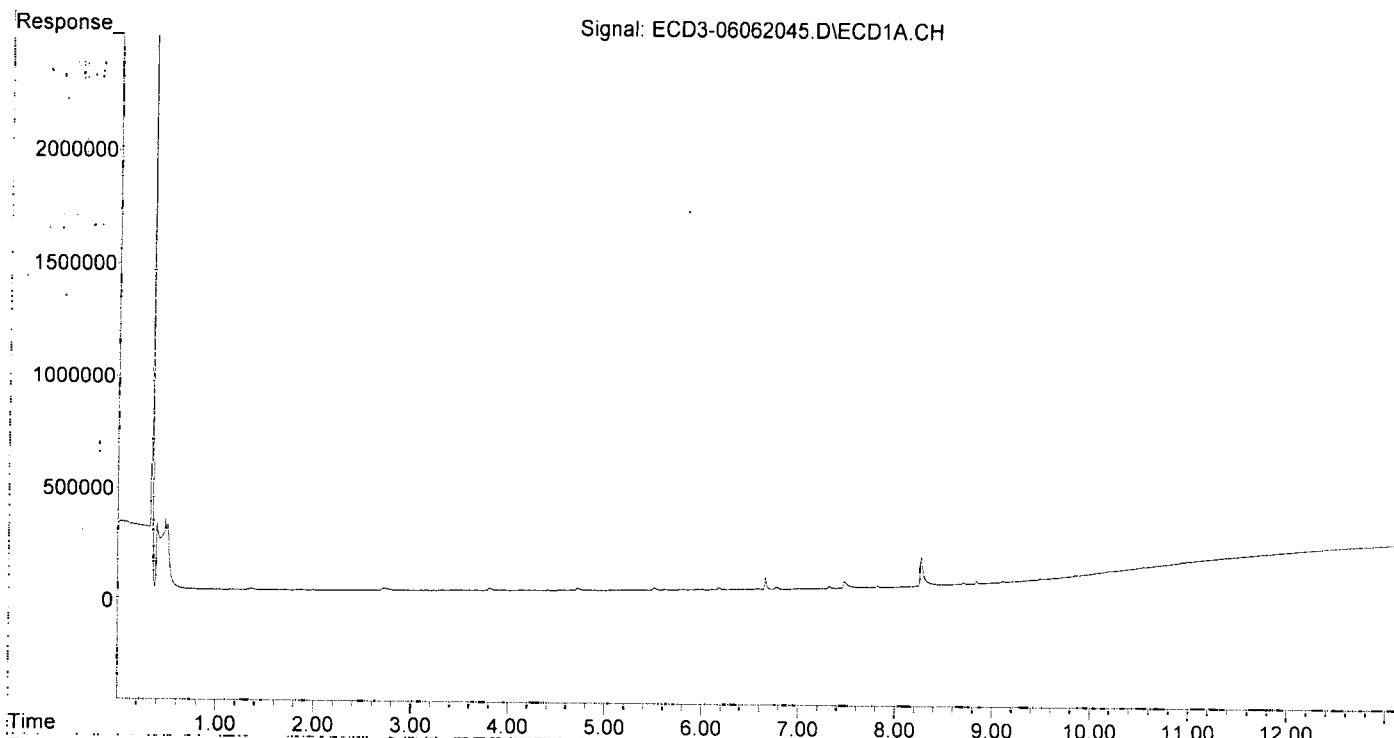
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.182f	0.000	9224	0	0.050	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	6.774f	0.000	8156	0	0.044	N.D. #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	7.479	8.095f	27089	12398	BelowCal	0.115
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	8.980	0	2515	N.D.	BelowCal
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.837	0.000	12950	0	0.094	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.318f	0.000	8168	0	BelowCal	N.D.
27) trans-Non...	7.479	8.078	27089	11363	BelowCal	6236.650
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.816f	0.000	7306	0	0.095	N.D. #
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	0.000	0.000	0	0	N.D.	N.D.
32) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33) Chlordane...	7.479	8.095f	27089	12398	1.223	1.157
34) Chlordane...	0.000	8.812f	0	57204	N.D.	18.839 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.479f	0.000	27089	0	36.593	N.D. #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.267f	8.812	129207	57204	39.679	BelowCal #
40) Toxaphene...	0.000	8.980	0	2515	N.D.	BelowCal
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 4:03
Operator : MJB
Sample : 0F06006-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:49 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 4:20
 Operator : MJB
 Sample : 0F06006-ICV4
 Misc : A20F067, TOX 500 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:56:53 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.552	10.404f	16259	6310	30098.415	8152.073 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.170	6.778	5413	7216	0.029	0.065 #
4) b-BHC	6.230	6.860	13802	1519	0.175	0.034 #
5) Heptachlor	6.564	7.161	31109	19953	0.187	0.202
6) d-BHC	6.370	7.103	11871	15936	0.071	0.183 #
7) Aldrin	6.810	7.423	48883	24725	0.266	0.207
8) Heptachlo...	7.278	7.861	131379	160246	0.812	1.519 #
9) trans-Chl...	7.355	8.012	187934	114500	1.103	1.059
10) cis-Chlor...	7.446f	8.098f	372035	174907	2.041	1.619
11) Endosulfa...	7.571	8.174	432563	222498	2.881	2.388
12) 4,4'-DDE	7.529	8.237	212244	257550	1.301	2.762 #
13) Dieldrin	7.742	8.386	678712	251009	4.160	2.413 #
14) Endrin	7.885	8.586	525057	385239	4.068	5.052
15) 4,4'-DDD	7.971	8.644	577194	309019	4.452	4.273
16) Endosulfa...	8.055	8.729	1390483	869529	10.873	10.932
17) 4,4'-DDT	8.137	8.857	1245915	361953	13.066	7.349 #
18) Endrin Al...	8.345	8.977	945357	803263	9.098	11.954
19) Endosulfa...	8.663	9.175	497804	303343	3.966	4.323
20) Methoxychlor	8.497	9.356	442022	811140	8.394	32.280 #
21) Endrin Ke...	8.847	9.580	353729	77136	2.563	0.960 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	6.357f	0	1978	N.D.	BelowCal
25) Oxychlorane	7.207	7.811	301434	140643	2.163	1.465
26) 2,4'-DDE	7.278	8.012	131379	114500	1.161	1.618
27) trans-Non...	7.446	8.083	372035	173557	2.037	1.415
28) 2,4'-DDD	7.658	8.386	492363	251009	5.379	4.653
29) 2,4'-DDT	7.842	8.613	766031	276337	9.930	6.094
30) cis-Nonac...	7.929	8.644	935541	309019	5.361	2.715 #
31) Mirex	8.593	9.580	1398229	77136	13.907	0.916 #
32) Chlordane...	7.355	8.012	187934	114500	10.458	9.126
33) Chlordane...	7.446f	8.098	372035	174907	16.794	16.329
34) Chlordane...	7.994f	8.797	607464	1398945	120.968	460.718 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.446	8.347	372035	465869	502.564	497.047
37) Toxaphene...	7.742	8.696	678712	574362	499.251	504.211
38) Toxaphene...	8.055	8.729	1390483	869529	493.418	518.492
39) Toxaphene...	8.297	8.797	1334799	1398945	514.682	533.268
40) Toxaphene...	8.525	8.977	1018710	803263	516.388	519.974
41) Toxaphene...	8.593	9.356	1398229	811140	503.684	505.680
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

MJB
4/20

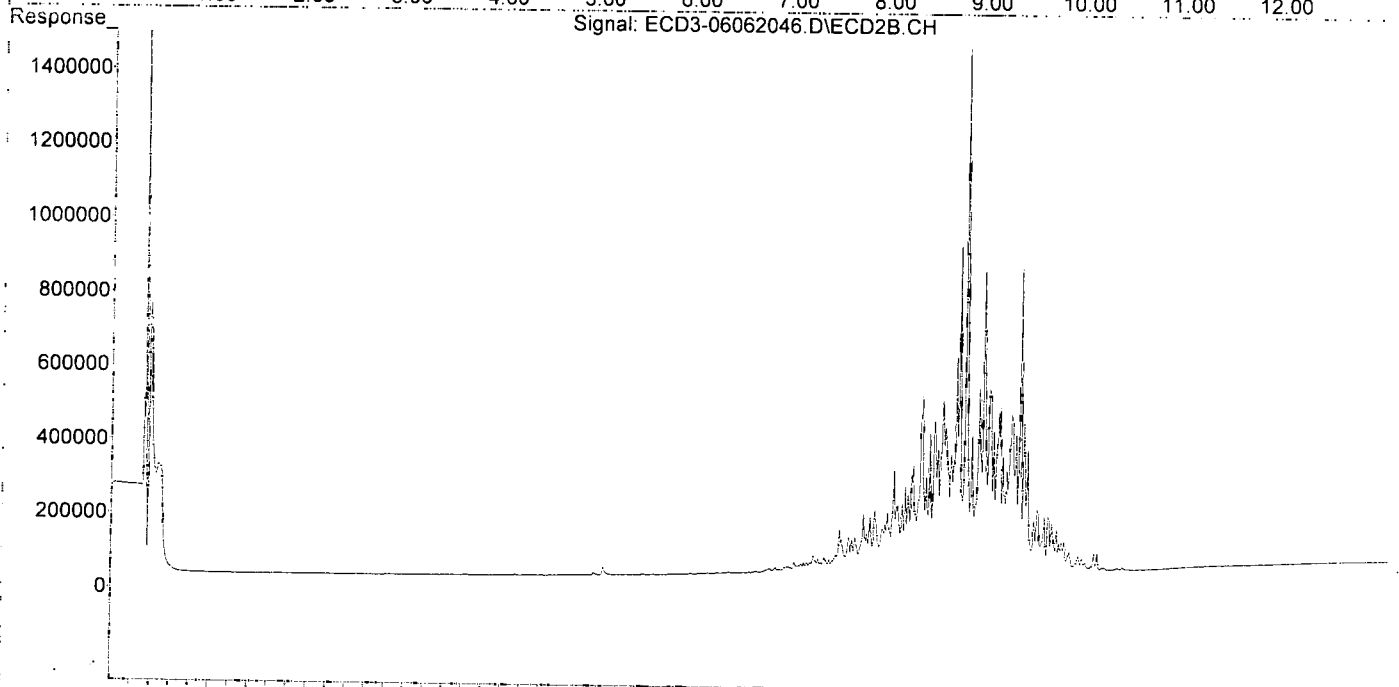
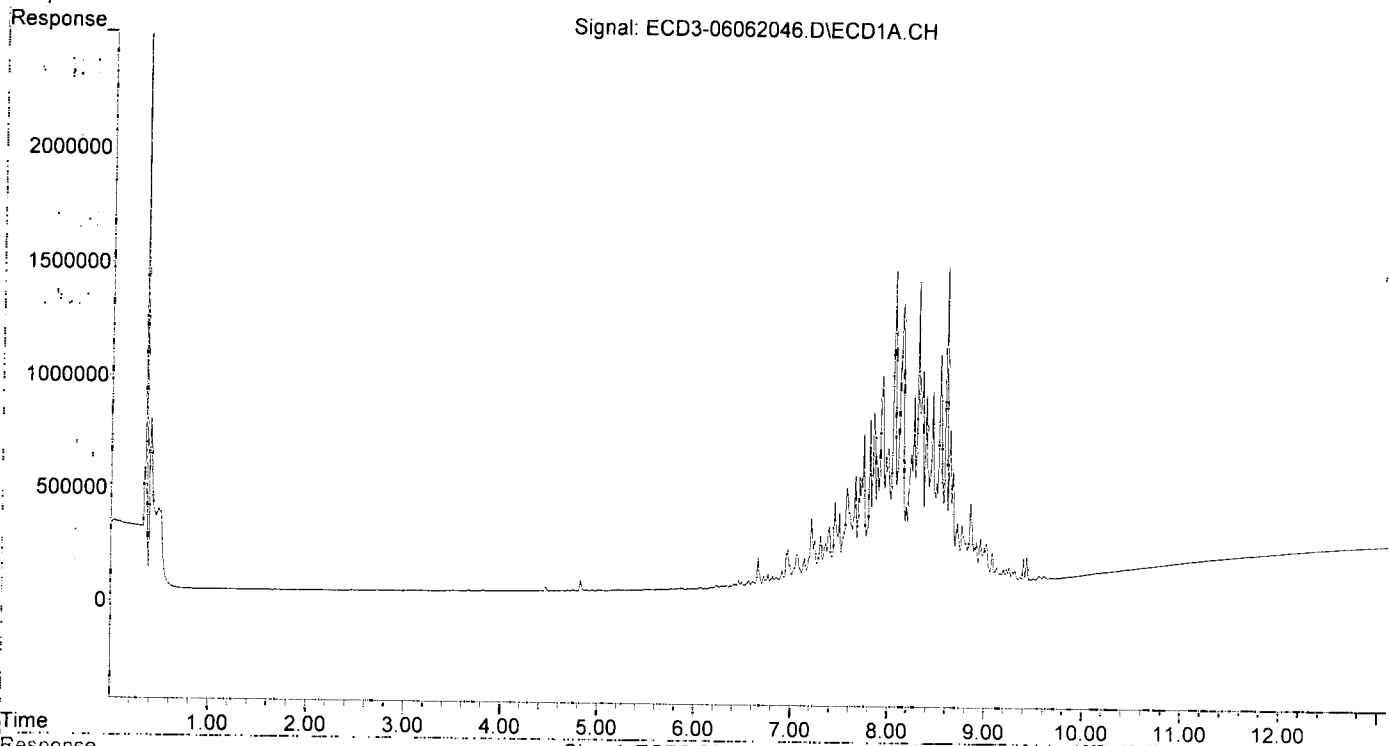
A B
505.00 513.11

(f)=RT. Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 4:20
Operator : MJB
Sample : 0F06006-ICV4
Misc : A20F067, TOX 500 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:56:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 17:14
 Operator : MJB
 Sample : 0F06006-CAL1
 Misc : A20F080, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:09:27 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

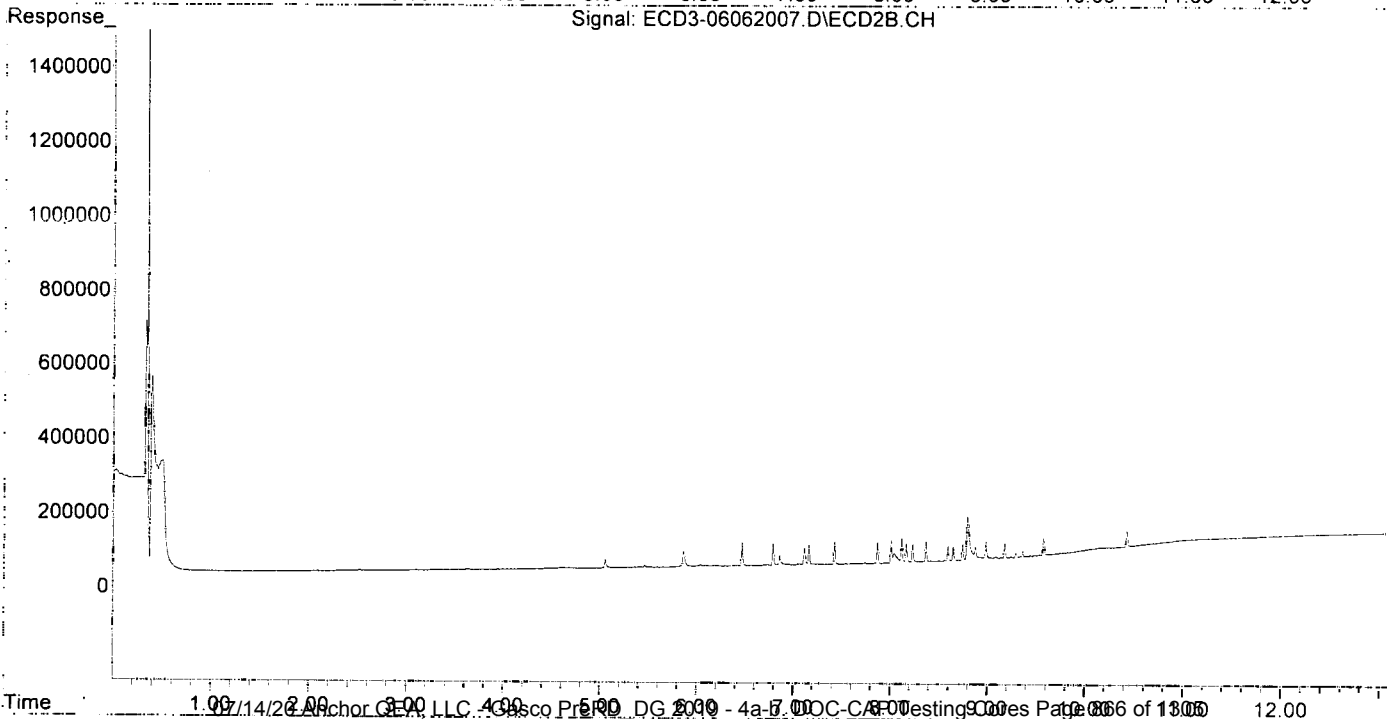
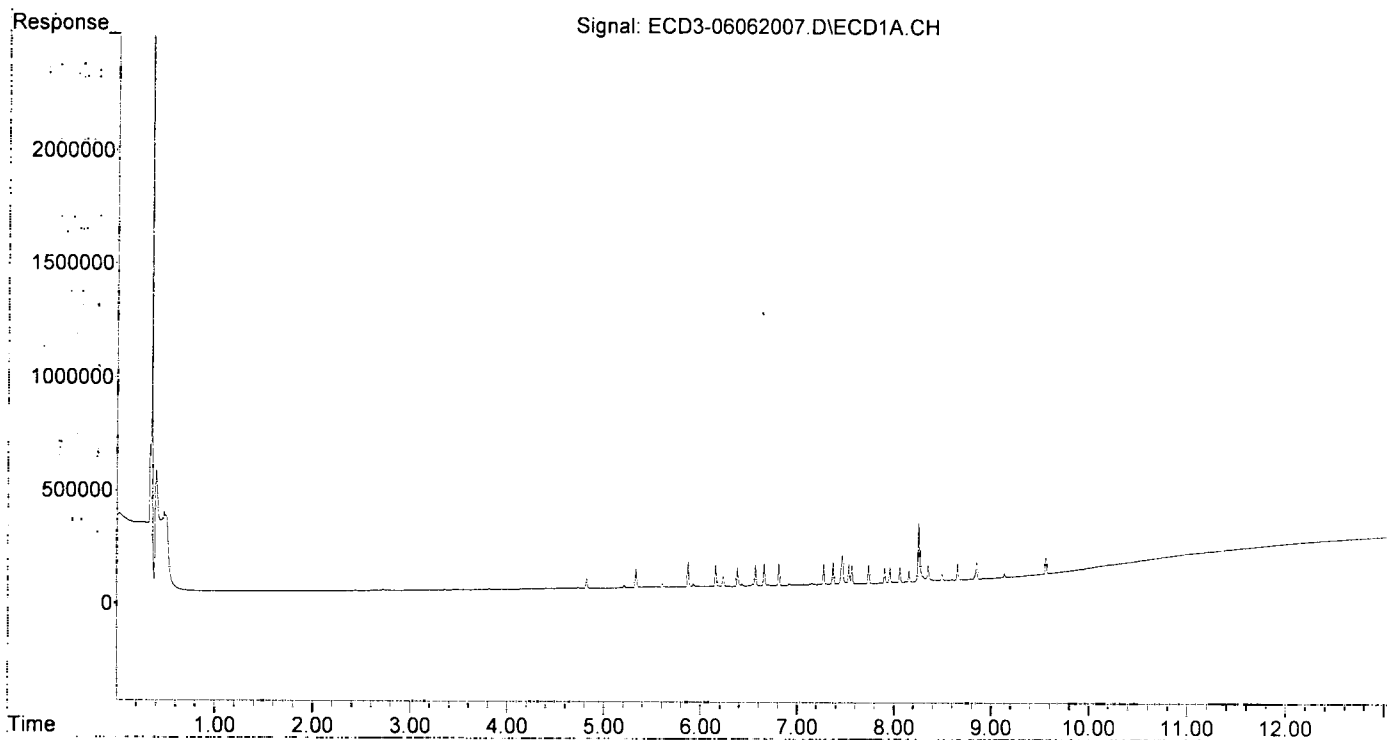
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.329	5.862	82172	42032	0.550	0.511
2) S DCBP (S)	9.558	10.429	73672	43135	0.493	0.486
Target Compounds						
2) a-BHC	5.870	6.468	110705	62692	0.519	0.505
3) g-BHC	6.154	6.788	95070	57296	0.513	0.514
4) b-BHC	6.232	6.858	43648	24475	0.553	0.543
5) Heptachlor	6.567	7.161	94788	52395	0.570	0.531
6) d-BHC	6.381	7.112	83205	42574	0.498	0.488
7) Aldrin	6.808	7.426	97386	59942	0.531	0.502
8) Heptachlo...	7.273	7.869	89813	56927	0.555	0.539
9) trans-Chl...	7.369	8.010	99385	60295	0.583	0.558
10) cis-Chlor...	7.465	8.118	128347	64771	0.493	0.600
11) Endosulfa...	7.563	8.167	83363	50195	0.555	0.539
12) 4,4'-DDE	7.532	8.232	85822	45972	0.526	0.493
13) Dieldrin	7.737	8.369	84428	54405	0.517	0.523
14) Endrin	7.902	8.596	68179	38928	0.528	0.511
15) 4,4'-DDD	7.956	8.650	68963	37854	0.532	0.523
16) Endosulfa...	8.060	8.746	69503	43523	0.543	0.547
17) 4,4'-DDT	8.154	8.875	51753	32321	0.511	0.513
18) Endrin Al...	8.351	8.985	68896	43549	0.471	0.480
19) Endosulfa...	8.654	9.177	71376	37772	0.569	0.538
20) Methoxychlor	8.494	9.361	28274	13528	0.537	0.493
21) Endrin Ke...	8.849	9.575	74861	44615	0.542	0.555
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.273	8.010	89813	60295	0.737	0.701
27) trans-Non...	7.465	8.037f	128347	24339	0.392	6236.519 #
28) 2,4'-DDD	0.000	8.369	0	54405	N.D.	0.861 #
29) 2,4'-DDT	0.000	8.596	0	38928	N.D.	0.859 #
30) cis-Nonac...	7.956f	8.650	68963	37854	0.395	0.173 #
31) Mirex	0.000	9.575	0	44615	N.D.	0.412 #
32) Chlordane...	7.369	8.010	99385	60295	5.531	4.806
33) Chlordane...	7.465	8.118	128347	64771	5.794	6.047
34) Chlordane...	0.000	8.796	0	115101	N.D.	37.907 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.465	8.369f	128347	54405	173.378	58.046 #
37) Toxaphene...	7.737	0.000	84428	0	62.104	N.D. #
38) Toxaphene...	8.060	8.746	69503	43523	24.663	25.952
39) Toxaphene...	8.330f	8.796	12814	115101	BelowCal	24.748
40) Toxaphene...	8.494f	8.985	28274	43549	14.332	25.071 #
41) Toxaphene...	0.000	9.361	0	13528	N.D.	8.434 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 17:31
 Operator : MJB
 Sample : 0F06006-CAL2
 Misc : A20F081, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:09:42 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/8/20*

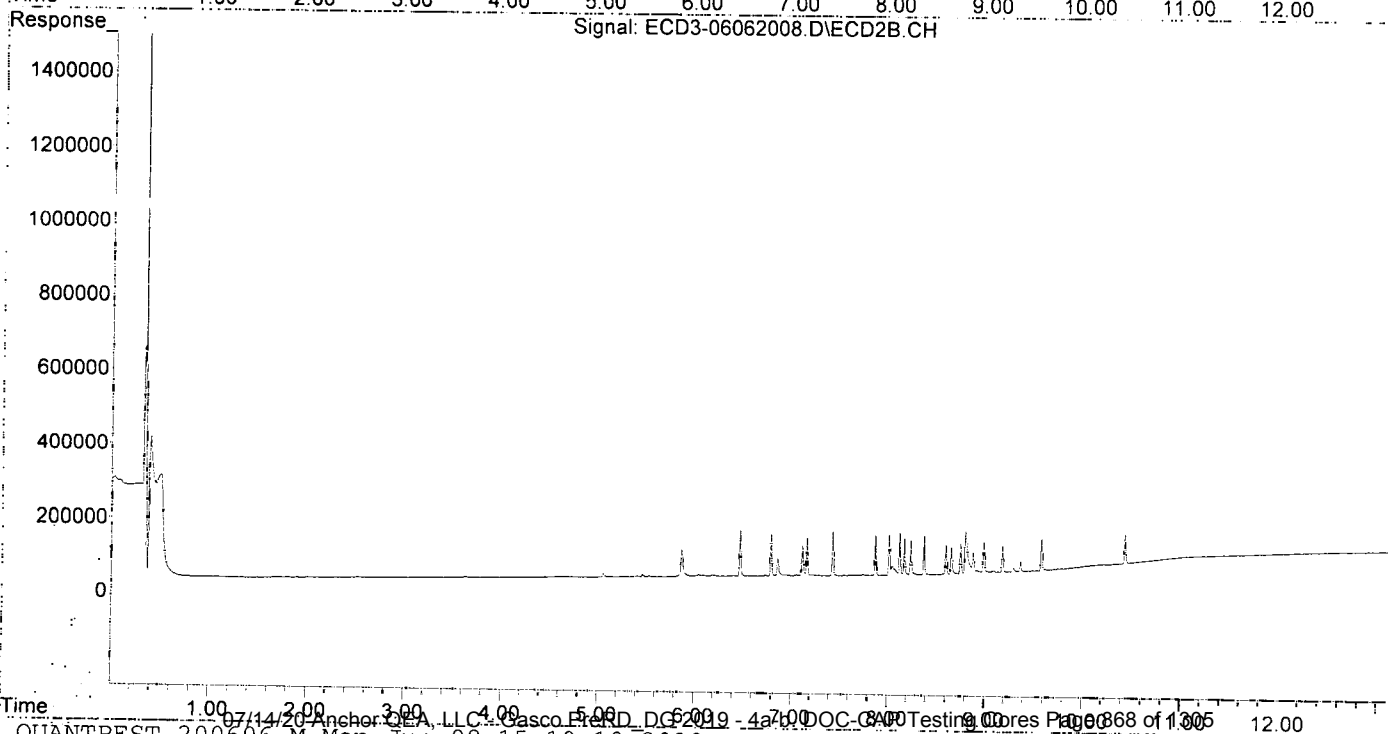
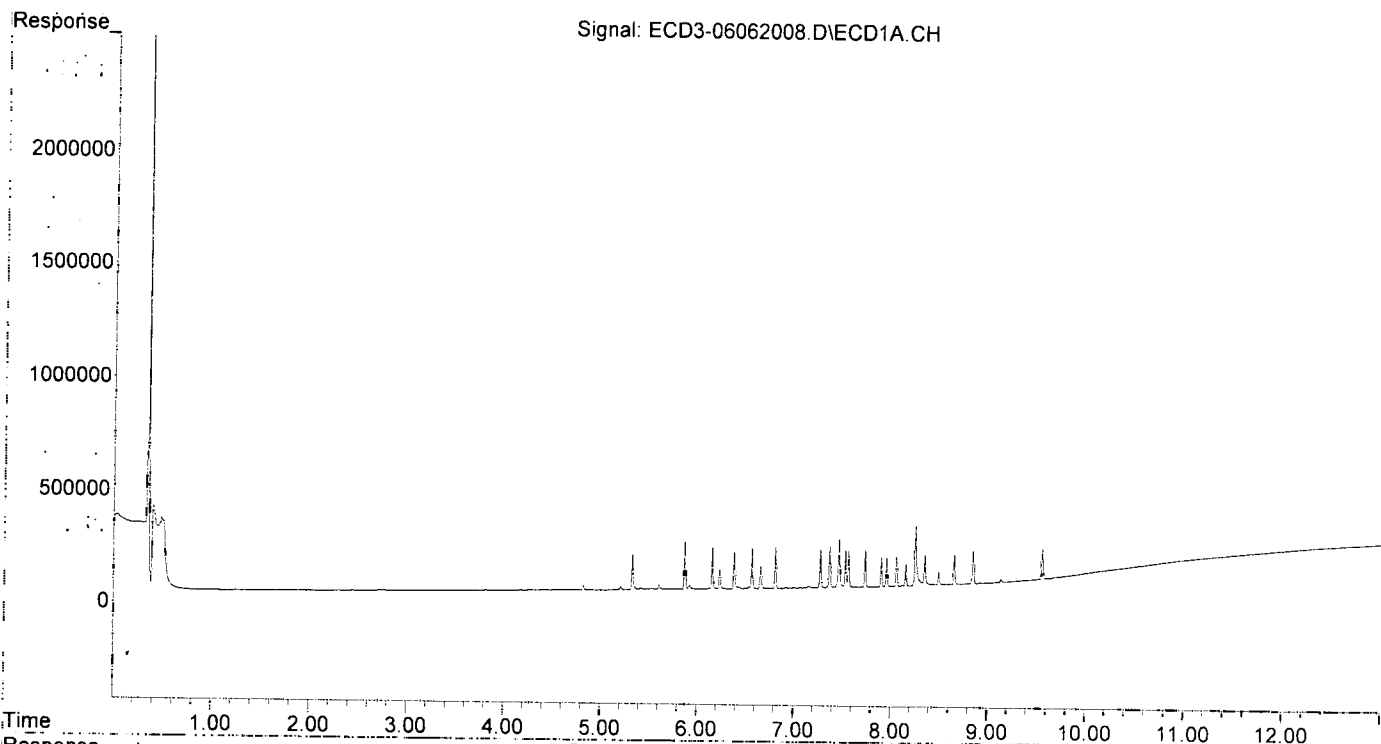
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System-Monitoring Compounds						
1) S TCMX (S)	5.330	5.864	156739	71943	1.048	0.998
22) S DCEBP (S)	9.559	10.429	134350	83248	1.035	1.081
Target Compounds						
2) a-BHC	5.871	6.469	214757	123240	1.007	0.992
3) g-BHC	6.155	6.788	189207	113629	1.020	1.019
4) b-BHC	6.233	6.859	84630	47426	1.071	1.052
5) Heptachlor	6.567	7.161	179138	101461	1.077	1.029
6) d-BHC	6.382	7.114	166513	80293	0.997	0.921
7) Aldrin	6.809	7.427	186287	119392	1.015	1.000
8) Heptachlo...	7.273	7.869	169574	110867	1.048	1.051
9) trans-Chl...	7.370	8.010	180419	112185	1.059	1.038
10) cis-Chlor...	7.467	8.119	214311	116602	1.039	1.079
11) Endosulfa...	7.565	8.168	158580	99405	1.056	1.067
12) 4,4'-DDE	7.533	8.233	163871	93759	1.004	1.006
13) Dieldrin	7.737	8.369	163995	107045	1.005	1.029
14) Endrin	7.903	8.596	130330	79520	1.010	1.043
15) 4,4'-DDD	7.957	8.651	127947	71439	0.987	0.988
16) Endosulfa...	8.060	8.746	134148	81083	1.049	1.019
17) 4,4'-DDT	8.156	8.876	97869	56436	1.007	1.022
18) Endrin Al...	8.352	8.986	132240	82638	1.094	1.071
19) Endosulfa...	8.656	9.177	132796	70131	1.058	1.000
20) Methoxychlor	8.495	9.361	55315	26616	1.050	1.057
21) Endrin Ke...	8.849	9.575	145829	84512	1.057	1.052
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.273	8.010	169574	112185	1.550	1.578
27) trans-Non...	7.467	8.044f	214311	24681	0.972	6236.515 #
28) 2,4'-DDD	0.000	8.369	0	107045	N.D.	1.877 #
29) 2,4'-DDT	0.000	8.596	0	79520	N.D.	1.754 #
30) cis-Nonac...	7.957f	8.651	127947	71439	0.733	0.488
31) Mirex	0.000	9.575	0	84512	N.D.	1.031 #
32) Chlordane...	7.370	8.010	180419	112185	10.040	8.942
33) Chlordane...	7.467	8.119	214311	116602	9.674	10.886
34) Chlordane...	0.000	8.797	0	112936	N.D.	37.194 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.467f	8.369f	214311	107045	289.502	114.209 #
37) Toxaphene...	7.737	8.701	163995	2050	120.633	1.800 #
38) Toxaphene...	8.060	8.746	134148	81083	47.603	48.349
39) Toxaphene...	0.000	8.797	0	112936	N.D.	23.809 #
40) Toxaphene...	8.495f	8.986	55315	82638	28.039	51.712 #
41) Toxaphene...	0.000	9.361	0	26616	N.D.	16.593 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:31
Operator : MJB
Sample : 0F06006-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:42 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 17:48
 Operator : MJB
 Sample : 0F06006-CAL3
 Misc : A20C179, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:09:58 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

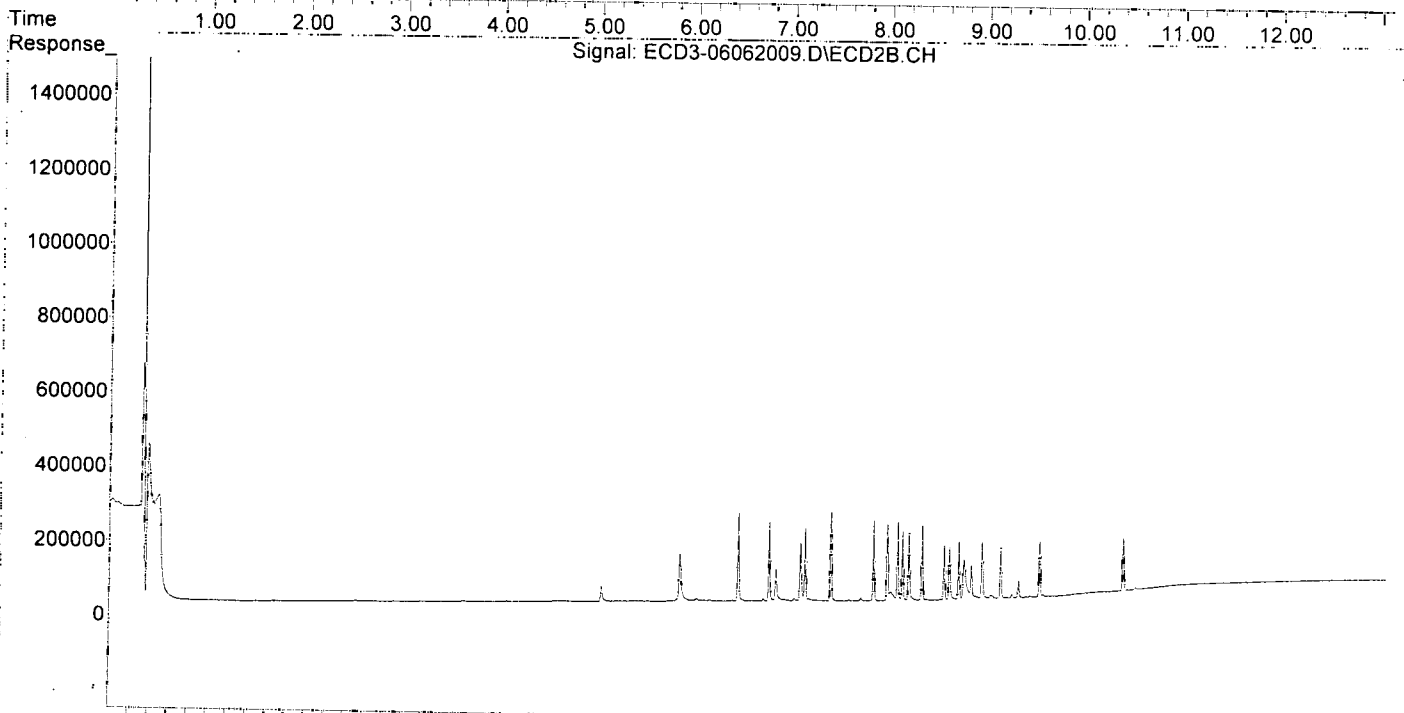
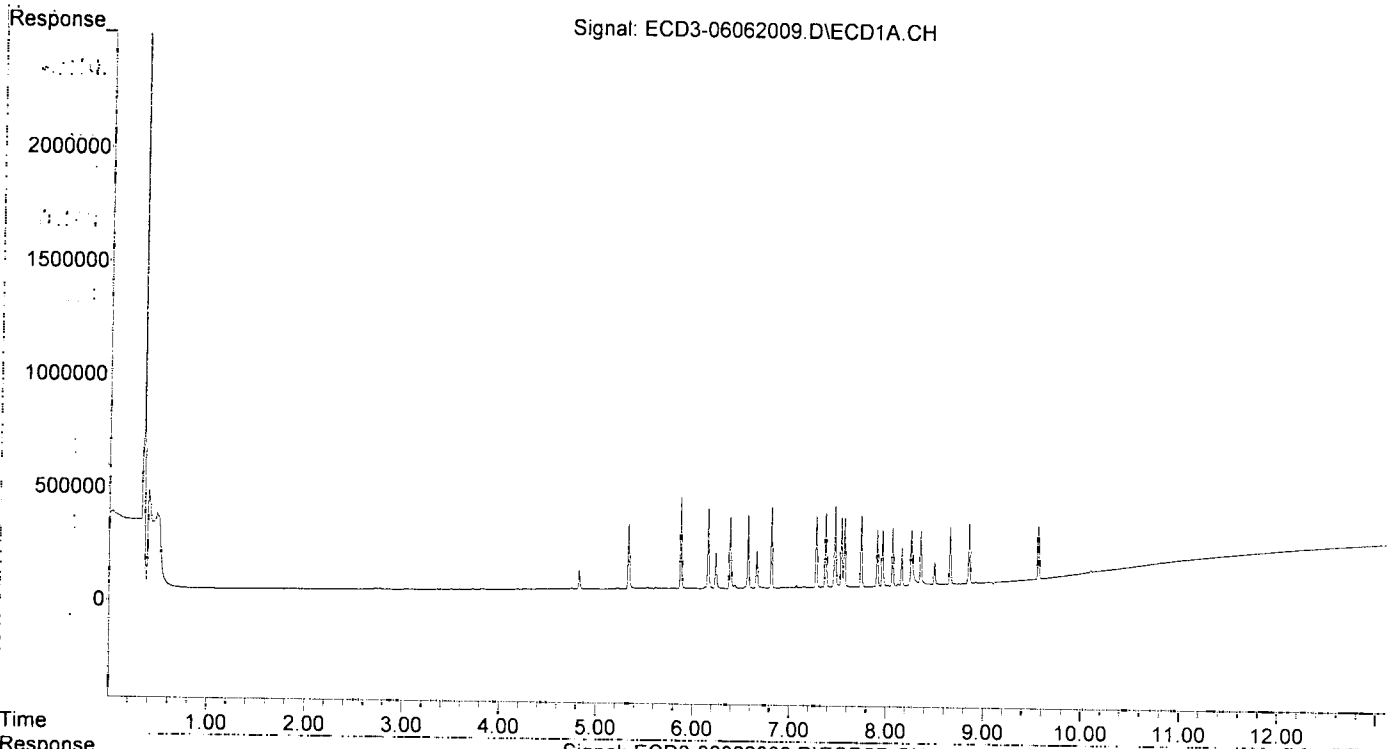
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.332	5.865	286095	125033	1.914	1.862
22)	S DCBP (S)	9.560	10.431	240377	138683	1.984	1.904
Target Compounds							
2)	a-BHC	5.873	6.470	404713	235668	1.898	1.897
3)	g-BHC	6.157	6.790	354194	210339	1.910	1.886
4)	b-BHC	6.235	6.860	157330	85322	1.992	1.893
5)	Heptachlor	6.569	7.163	327931	189148	1.971	1.918
6)	d-BHC	6.383	7.115	316848	152922	1.897	1.754
7)	Aldrin	6.811	7.428	358850	236654	1.955	1.982
8)	Heptachlo...	7.275	7.871	315650	213991	1.951	2.028
9)	trans-Chl...	7.372	8.012	334265	202687	1.962	1.875
10)	cis-Chlor...	7.470	8.120	357981	209625	1.952	1.941
11)	Endosulfa...	7.566	8.169	309729	184624	2.063	1.981
12)	4,4'-DDE	7.535	8.234	307303	177413	1.883	1.903
13)	Dieldrin	7.739	8.370	317350	196753	1.945	1.891
14)	Endrin	7.904	8.598	252901	144820	1.959	1.899
15)	4,4'-DDD	7.959	8.652	247550	138295	1.909	1.912
16)	Endosulfa...	8.062	8.748	259692	154799	2.031	1.946
17)	4,4'-DDT	8.158	8.878	171502	90021	1.796	1.728
18)	Endrin Al...	8.354	8.987	236837	149649	2.122	2.084
19)	Endosulfa...	8.658	9.179	251616	132227	2.005	1.885
20)	Methoxychlor	8.496	9.362	98336	46940	1.867	1.931
21)	Endrin Ke...	8.852	9.577	267630	146790	1.939	1.827
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25)	Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	7.275	8.012	315650	202687	3.038	3.106
27)	trans-Non...	7.470	8.047f	357981	23873	1.942	6236.523 #
28)	2,4'-DDD	0.000	8.370	0	196753	N.D.	3.608 #
29)	2,4'-DDT	0.000	8.598	0	144820	N.D.	3.194 #
30)	cis-Nonac...	7.959f	8.652	247550	138295	1.419	1.114
31)	Mirex	0.000	9.577	0	146790	N.D.	1.997 #
32)	Chlordane...	7.372	8.012	334265	202687	18.601	16.155
33)	Chlordane...	7.470	8.120	357981	209625	16.159	19.570
34)	Chlordane...	8.007	8.801f	2946	105448	0.587	34.728 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.470f	8.370f	357981	196753	483.579	209.921 #
37)	Toxaphene...	7.739	0.000	317350	0	233.439	N.D. #
38)	Toxaphene...	8.062	8.748	259692	154799	92.153	92.305
39)	Toxaphene...	8.329f	8.801	10305	105448	BelowCal	20.559
40)	Toxaphene...	8.496f	8.987	98336	149649	49.847	97.060 #
41)	Toxaphene...	0.000	9.362	0	46940	N.D.	29.263 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT. Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:48
Operator : MJB
Sample : 0F06006-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:09:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:05
 Operator : MJB
 Sample : 0F06006-CAL4
 Misc : A20C180, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:10:16 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/8/20*

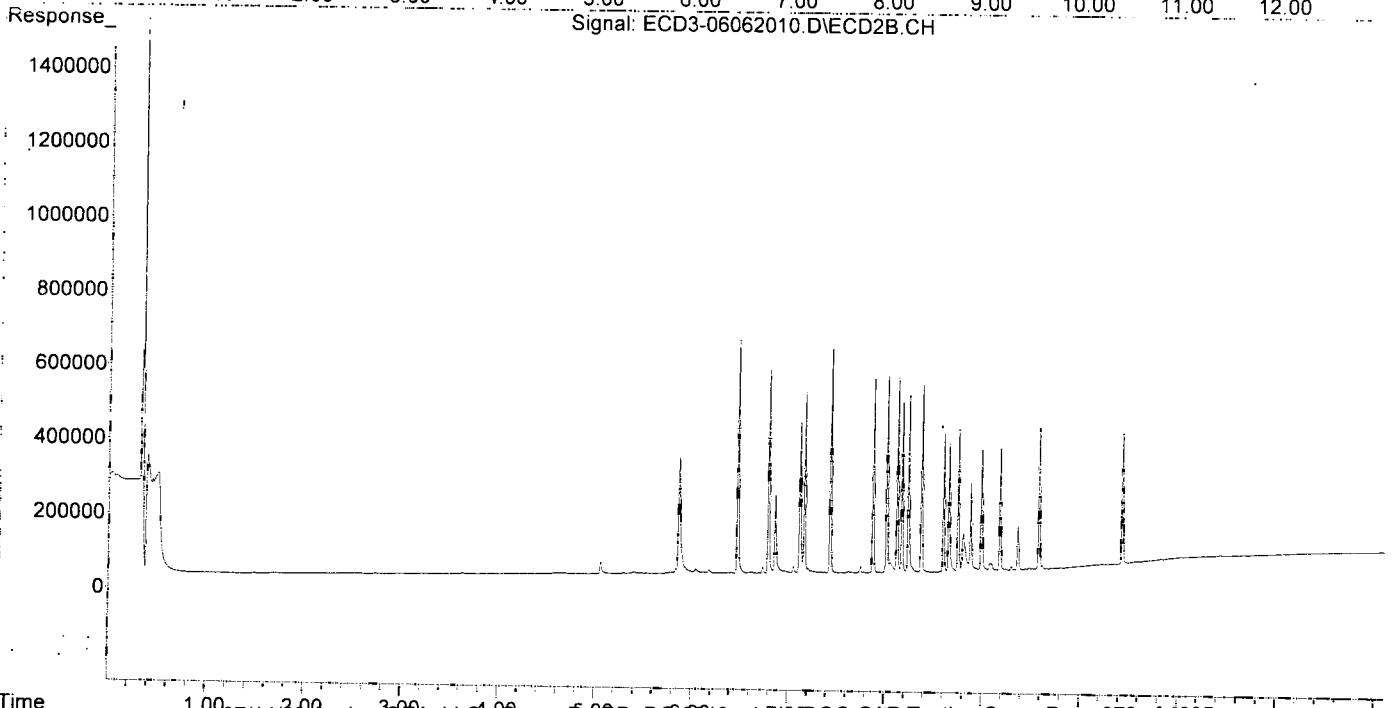
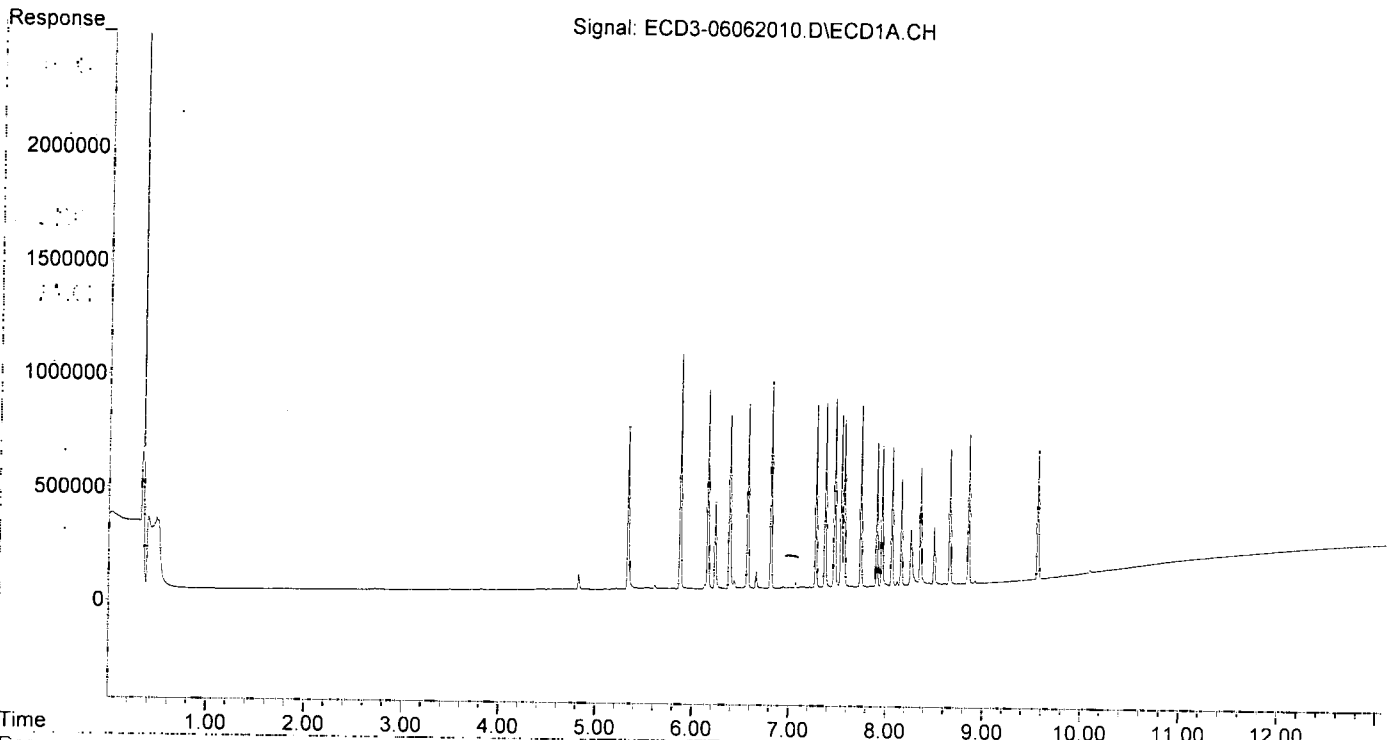
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.864	719246	309275	4.811	4.842
22) S DCBP (S)	9.560	10.429	570250	346784	4.934	4.996
Target Compounds						
2) a-BHC	5.872	6.470	1036725	623366	4.862	5.019
3) g-BHC	6.156	6.789	885966	546087	4.776	4.898
4) b-BHC	6.234	6.859	380135	210480	4.812	4.670
5) Heptachlor	6.569	7.162	815381	481146	4.901	4.879
6) d-BHC	6.383	7.114	772799	401316	4.627	4.603
7) Aldrin	6.810	7.429	917471	603150	4.999	5.052
8) Heptachlo...	7.275	7.871	812510	520924	5.022	4.937
9) trans-Chl...	7.371	8.012	818806	530122	4.806	4.905
10) cis-Chlor...	7.469	8.120	836868	523193	4.991	4.843
11) Endosulfa...	7.566	8.168	744069	456473	4.956	4.899
12) 4,4'-DDE	7.535	8.234	762514	471358	4.673	5.055
13) Dieldrin	7.739	8.371	808594	499381	4.956	4.801
14) Endrin	7.905	8.599	640431	370096	4.962	4.854
15) 4,4'-DDD	7.958	8.652	622643	345241	4.803	4.774
16) Endosulfa...	8.062	8.748	618412	379685	4.836	4.773
17) 4,4'-DDT	8.157	8.877	471883	237792	4.992	4.803
18) Endrin Al...	8.354	8.987	523105	326529	4.939	4.757
19) Endosulfa...	8.657	9.177	603835	327808	4.811	4.672
20) Methoxychlor	8.496	9.362	254542	115674	4.834	4.855
21) Endrin Ke...	8.851	9.577	667572	374954	4.837	4.667
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.275	8.012	812510	530122	8.092	8.611
27) trans-Non...	7.469	8.048f	836868	26317	5.173	6236.499 #
28) 2,4'-DDD	0.000	8.371	0	499381	N.D.	9.428 #
29) 2,4'-DDT	0.000	8.599	0	370096	N.D.	8.162 #
30) cis-Nonac...	7.958f	8.652	622643	345241	3.568	3.054
31) Mirex	0.000	9.577	0	374954	N.D.	5.543 #
32) Chlordane...	7.371	8.012	818806	530122	45.564	42.253
33) Chlordane...	7.469	8.120	836868	523193	37.776	48.845
34) Chlordane...	0.000	8.800	0	101617	N.D.	33.466 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.469f	8.371f	836868	499381	1130.484	532.803 #
37) Toxaphene...	7.739	0.000	808594	0	594.790	N.D. #
38) Toxaphene...	8.062	8.748	618412	379685	219.446	226.403
39) Toxaphene...	8.258f	8.800	249069	101617	88.625	18.895 #
40) Toxaphene...	8.496f	8.987	254542	326529	129.028	214.875 #
41) Toxaphene...	0.000	9.362	0	115674	N.D.	72.113 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:05
Operator : MJB
Sample : 0F06006-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:10:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:22
 Operator : MJB
 Sample : 0F06006-CAL5
 Misc : A20C181, AB 10 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:10:28 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/9/20

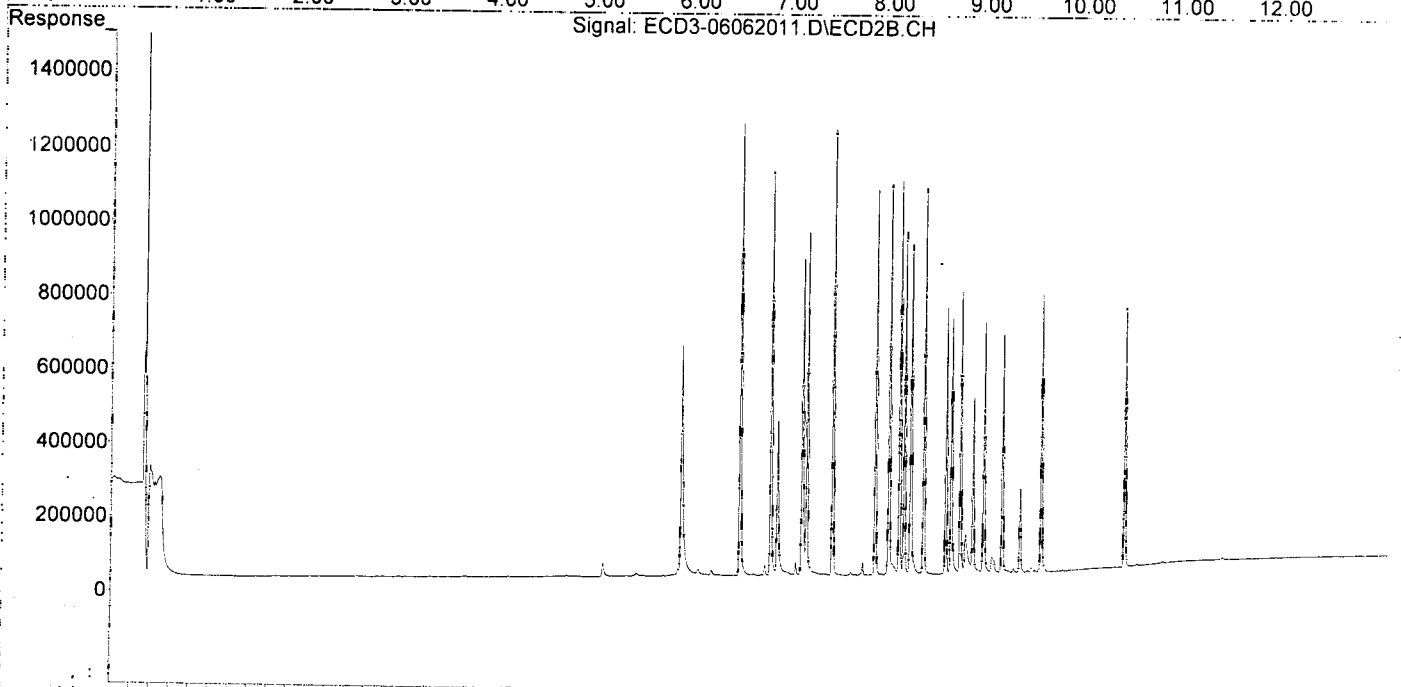
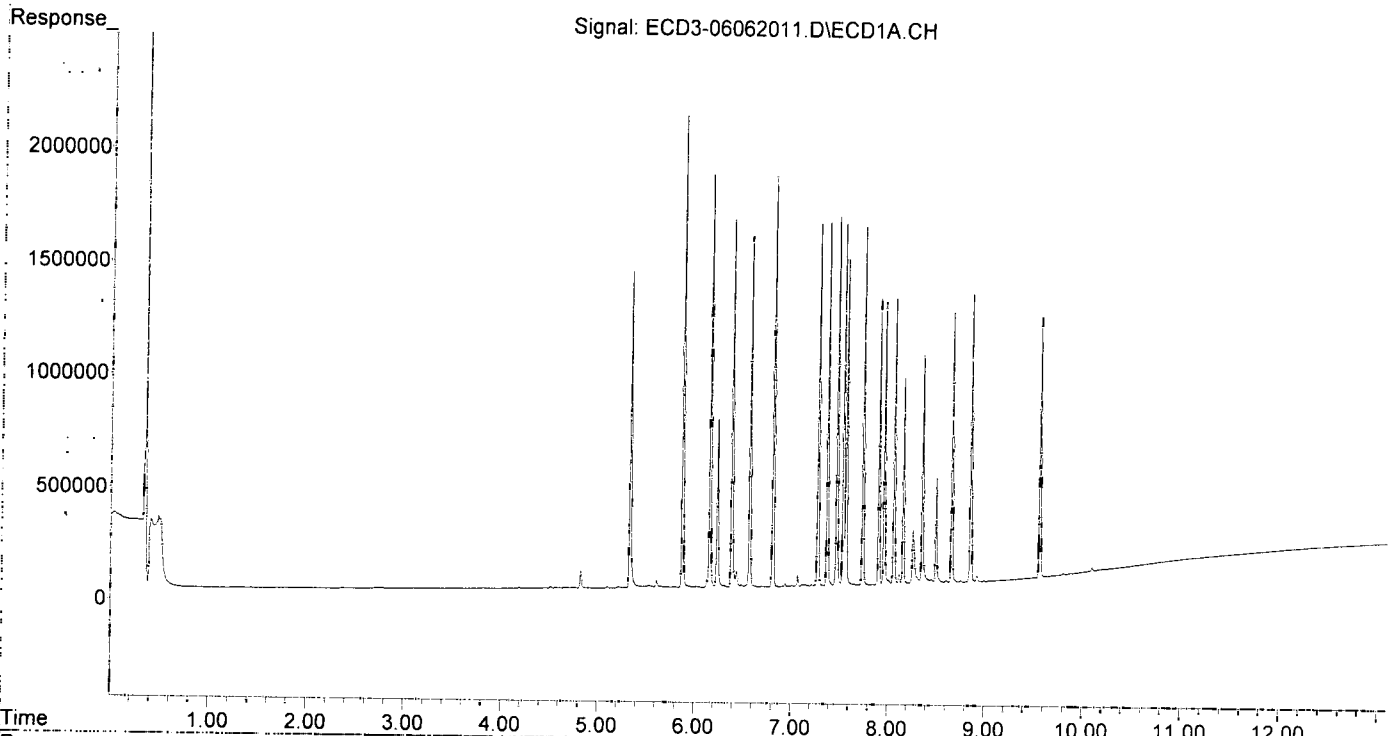
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.864	1404797	617071	9.397	9.761
22) S DCBP (S)	9.560	10.430	1153610	692441	10.154	10.136
Target Compounds						
2) a-BHC	5.873	6.470	2088331	1214408	9.794	9.778
3) g-BHC	6.157	6.789	1833222	1081852	9.883	9.703
4) b-BHC	6.235	6.858	743116	413616	9.407	9.177
5) Heptachlor	6.569	7.162	1558774	919176	9.369	9.322
6) d-BHC	6.383	7.113	1632205	845697	9.773	9.700
7) Aldrin	6.810	7.429	1819478	1195910	9.914	10.017
8) Heptachlo...	7.275	7.870	1611187	1035509	9.959	9.813
9) trans-Chl...	7.372	8.011	1613897	1045932	9.473	9.677
10) cis-Chlor...	7.470	8.119	1634409	1052527	10.044	9.744
11) Endosulfa...	7.566	8.168	1447903	916395	9.643	9.835
12) 4,4'-DDE	7.535	8.234	1603795	883347	9.830	9.474
13) Dieldrin	7.739	8.370	1591494	1033607	9.754	9.936
14) Endrin	7.905	8.598	1271001	715799	9.847	9.388
15) 4,4'-DDD	7.958	8.652	1250845	686251	9.648	9.489
16) Endosulfa...	8.061	8.748	1266904	753227	9.907	9.470
17) 4,4'-DDT	8.157	8.877	910700	471457	9.597	9.567
18) Endrin Al...	8.354	8.987	1011600	670797	9.751	9.956
19) Endosulfa...	8.657	9.178	1198998	638099	9.552	9.094
20) Methoxychlor	8.497	9.362	469788	223833	8.921	9.370
21) Endrin Ke...	8.852	9.577	1278679	739050	9.265	9.198
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.210	0.000	6972	0	BelowCal	N.D.
26) 2,4'-DDE	7.275	8.011	1611187	1045932	16.197	17.212
27) trans-Non...	7.470	8.047f	1634409	29391	10.541	6236.468 #
28) 2,4'-DDD	0.000	8.370	0	1033607	N.D.	19.641 #
29) 2,4'-DDT	0.000	8.598	0	715799	N.D.	15.786 #
30) cis-Nonac...	7.958f	8.652	1250845	686251	7.168	6.254
31) Mirex	8.605	9.577	8554	739050	20727.548	11.213 #
32) Chlordane...	7.372	8.011	1613897	1045932	89.809	83.366
33) Chlordane...	7.470	8.119	1634409	1052527	73.777	98.262
34) Chlordane...	0.000	8.802f	0	104339	N.D.	34.362 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.470f	8.370f	1634409	1033607	2207.844	1102.782 #
37) Toxaphene...	7.739	0.000	1591494	0	1170.681	N.D. #
38) Toxaphene...	8.061	8.748	1266904	753227	449.566	449.142
39) Toxaphene...	8.258f	8.802	236971	104339	83.703	20.078 #
40) Toxaphene...	8.528	8.987	17266	670797	8.752	436.908 #
41) Toxaphene...	8.605	9.362	8554	223833	3.081	139.541 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:22
Operator : MJB
Sample : 0F06006-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:10:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:39
 Operator : MJB
 Sample : 0F06006-CAL6
 Misc : A20C182, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:10:40 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

M.B
6/8/20

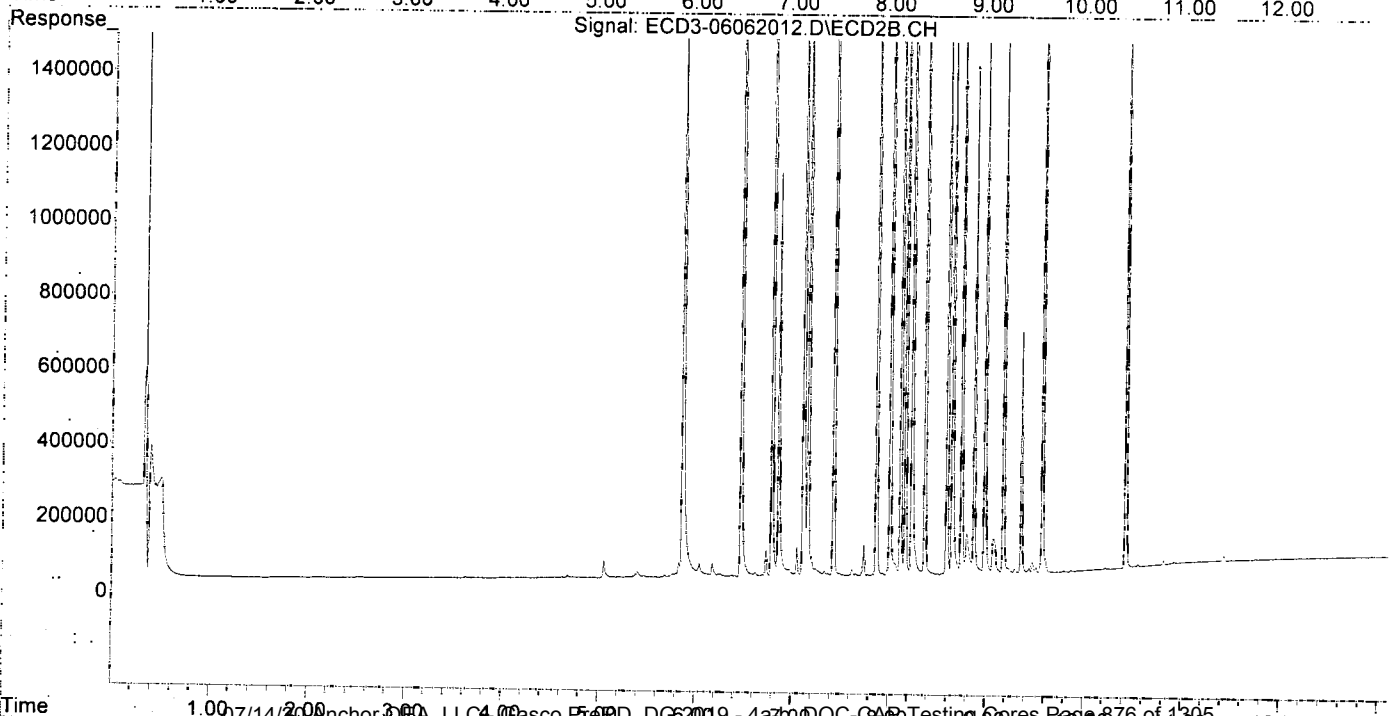
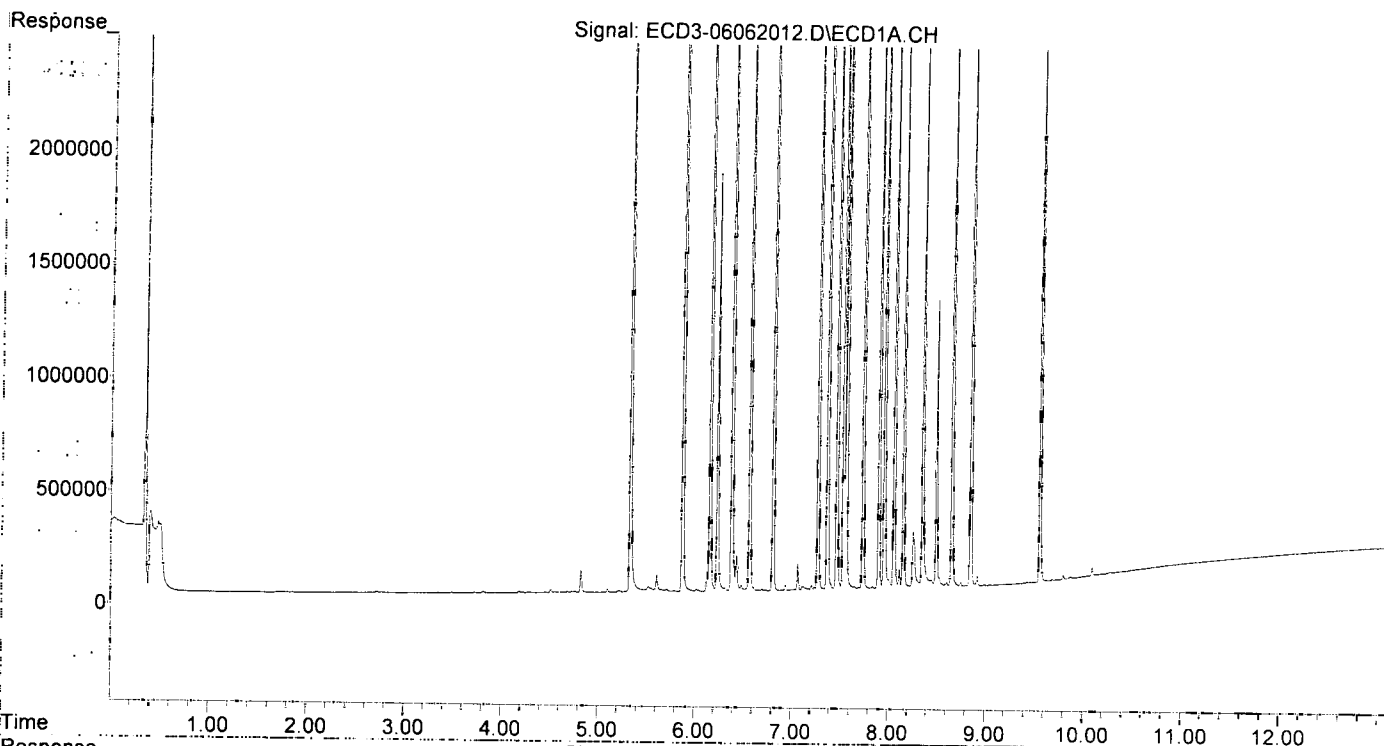
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.862	3647612	1664359	24.399	25.984
22) S DCBP (S)	9.560	10.430	2710827	1649693	24.096	24.405
Target Compounds						
2) a-BHC	5.873	6.470	5223830	3161205	24.500	25.452
3) g-BHC	6.157	6.789	4557686	2775402	24.571	24.891
4) b-BHC	6.233	6.857	1848393	1076238	23.399	23.878
5) Heptachlor	6.568	7.162	3933043	2394873	23.641	24.287
6) d-BHC	6.382	7.113	4050412	2196848	24.252	25.198
7) Aldrin	6.811	7.428	4518691	3003078	24.622	25.153
8) Heptachlo...	7.274	7.870	3859009	2564964	23.854	24.307
9) trans-Chl...	7.371	8.011	3960440	2679942	23.247	24.795
10) cis-Chlor...	7.469	8.120	3932329	2521941	24.545	23.346
11) Endosulfa...	7.566	8.168	3604233	2246767	24.005	24.112
12) 4,4'-DDE	7.534	8.233	4035047	2294621	24.730	24.609
13) Dieldrin	7.739	8.370	4053928	2537009	24.846	24.389
14) Endrin	7.905	8.598	3099943	1878719	24.017	24.640
15) 4,4'-DDD	7.958	8.651	3236670	1757252	24.965	24.299
16) Endosulfa...	8.061	8.747	3088788	1981534	24.153	24.912
17) 4,4'-DDT	8.157	8.877	2570636	1358409	26.388	26.677
18) Endrin Al...	8.354	8.986	2470738	1609614	24.164	24.105
19) Endosulfa...	8.657	9.178	2939891	1710437	23.422	24.377
20) Methoxychlor	8.497	9.361	1269710	641962	24.111	25.931
21) Endrin Ke...	8.851	9.577	3300239	1944851	23.912	24.206
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.715	0.000	7580	0	0.052	N.D. #
25) Oxychlordane	7.210	7.833f	19753	4482	BelowCal	7645.598
26) 2,4'-DDE	7.274	8.011	3859009	2679942	38.869	43.908
27) trans-Non...	7.469	0.000	3932329	0	25.929	N.D. #
28) 2,4'-DDD	0.000	8.370	0	2537009	N.D.	47.973 #
29) 2,4'-DDT	7.840	8.598	7299	1878719	0.095	41.433 #
30) cis-Nonac...	7.958f	8.651	3236670	1757252	18.547	16.320
31) Mirex	8.605	9.577	19114	1944851	20727.441	30.094 #
32) Chlordane...	7.371	8.011	3960440	2679942	220.387	213.604
33) Chlordane...	7.469	8.120	3932329	2521941	177.504	235.445
34) Chlordane...	8.007	8.802f	36890	107001	7.346	35.239 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D. #
36) Toxaphene...	7.469f	8.370f	3932329	2537009	5311.993	2706.801 #
37) Toxaphene...	7.739	0.000	4053928	0	2982.014	N.D. #
38) Toxaphene...	8.061	8.747	3088788	1981534	1096.067	1181.571
39) Toxaphene...	8.259f	8.802	247006	107001	87.786	21.234 #
40) Toxaphene...	8.527	8.986	39871	1609614	20.211	1000.990 #
41) Toxaphene...	8.605	9.361	19114	641962	6.885	400.211 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:39
Operator : MJB
Sample : 0F06006-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:10:40 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:56
 Operator : MJB
 Sample : 0F06006-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:10:50 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

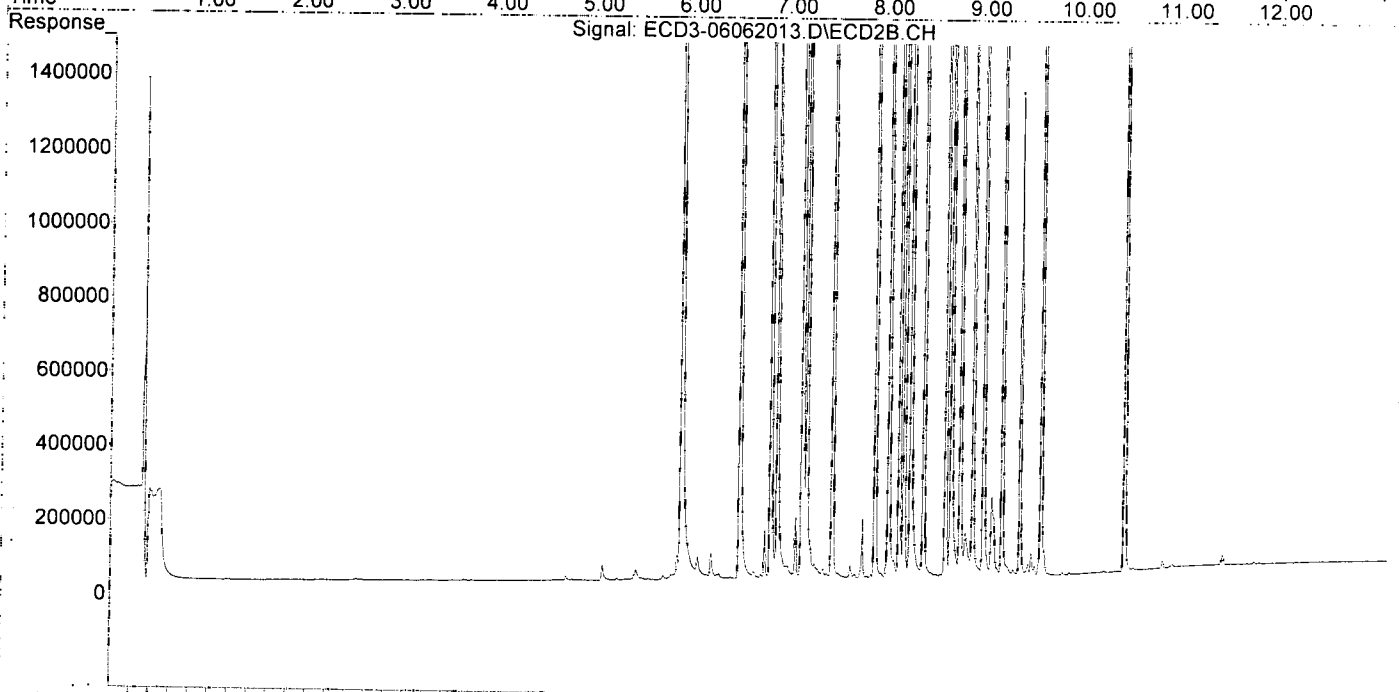
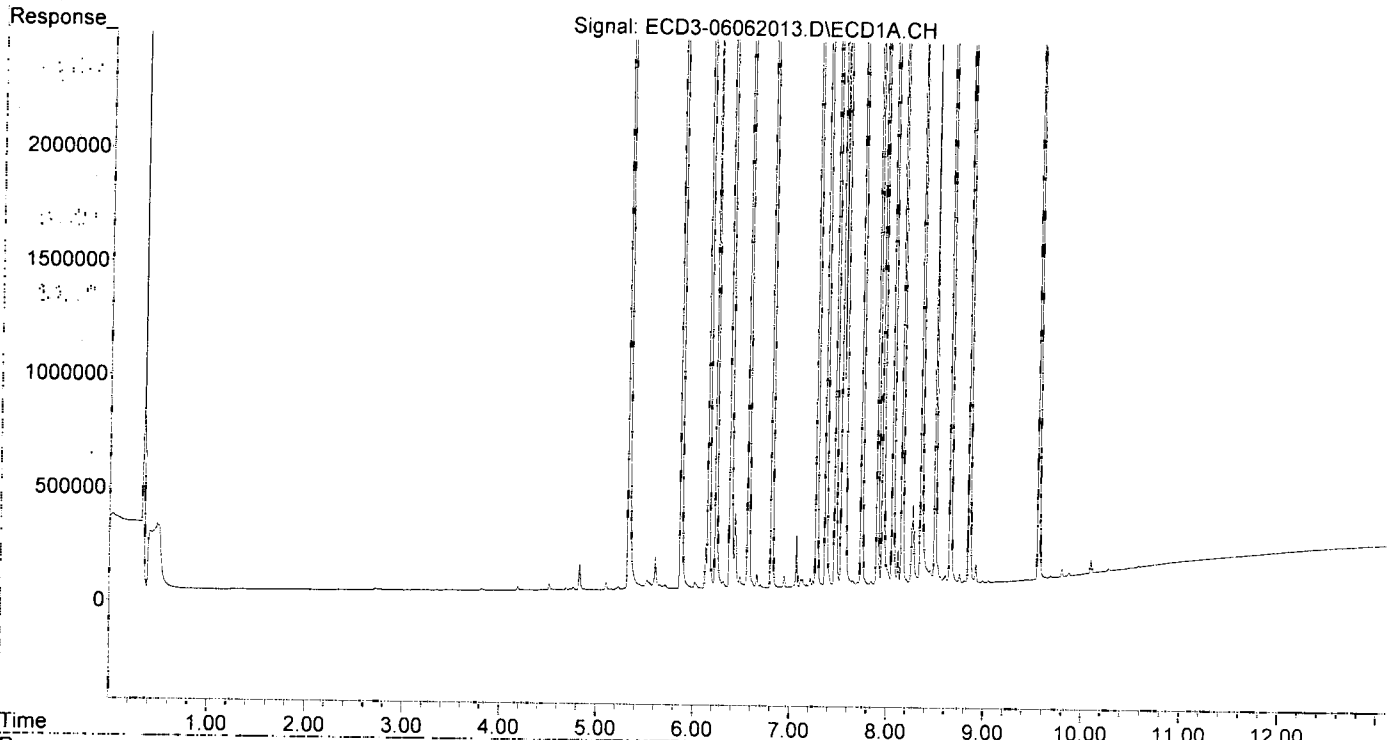
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.861	7416036	3489590	49.605	52.599
22) S DCBP (S)	9.561	10.430	5700635	3300114	50.901	49.125
Target Compounds						
2) a-BHC	5.873	6.470	10875994	6247664	51.009	50.303
3) g-BHC	6.157	6.789	9264067	5610698	49.944	50.320
4) b-BHC	6.233	6.857	3763215	2196169	47.638	48.725
5) Heptachlor	6.569	7.162	7791340	4806622	46.832	48.745
6) d-BHC	6.382	7.112	8455686	4583521	50.629	52.574
7) Aldrin	6.811	7.428	8990610	6039846	48.989	50.588
8) Heptachlo...	7.275	7.870	7738184	5152570	47.833	48.828
9) trans-Chl...	7.370	8.011	8269836	5400596	48.542	49.967
10) cis-Chlor...	7.469	8.119	8088516	5197653	50.561	48.116
11) Endosulfa...	7.565	8.168	7163291	4478092	47.709	48.058
12) 4,4'-DDE	7.534	8.233	8283550	4736807	50.769	50.801
13) Dieldrin	7.739	8.370	7975641	5212767	48.882	50.112
14) Endrin	7.904	8.598	6164686	3683295	47.762	48.307
15) 4,4'-DDD	7.958	8.651	6338429	3603906	48.890	49.835
16) Endosulfa...	8.061	8.746	6050141	3859563	47.310	48.522
17) 4,4'-DDT	8.157	8.877	5217700	2820324	51.399	52.204
18) Endrin Al...	8.353	8.986	4817726	3328090	47.473	49.904
19) Endosulfa...	8.656	9.178	5896726	3551474	46.978	50.616
20) Methoxychlor	8.496	9.361	2487034	1289787	47.227	49.324
21) Endrin Ke...	8.851	9.577	6700488	3973627	48.548	49.457
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.714	0.000	15968	0	0.110	N.D. #
25) Oxychlordane	7.210	7.786	36969	3140	0.104	7645.614 #
26) 2,4'-DDE	7.275	8.011	7738184	5400596	77.539	86.661
27) trans-Non...	7.469	8.067	8088516	44079	53.465	0.108 #
28) 2,4'-DDD	0.000	8.370	0	5212767	N.D.	96.998 #
29) 2,4'-DDT	7.840	8.598	13853	3683295	0.180	81.232 #
30) cis-Nonac...	7.958f	8.651	6338429	3603906	36.321	33.745
31) Mirex	8.605	9.577	35858	3973627	0.067	62.236 #
32) Chlordane...	7.370	8.011	8269836	5400596	460.193	430.453
33) Chlordane...	7.469	8.119	8088516	5197653	365.113	485.245
34) Chlordane...	8.009	8.801f	67472	113243	13.436	37.295 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.469f	8.370f	8088516	5212767	10926.384	5561.638 #
37) Toxaphene...	7.739	0.000	7975641	0	5866.772	N.D. #
38) Toxaphene...	8.061	8.746	6050141	3859563	2146.914	2301.424
39) Toxaphene...	8.321f	8.801	28050	113243	BelowCal	23.942
40) Toxaphene...	8.556f	8.986	28989	3328090	14.695	1915.844 #
41) Toxaphene...	8.605	9.361	35858	1289787	12.917	804.078 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:56
Operator : MJB
Sample : 0F06006-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:10:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 19:13
 Operator : MJB
 Sample : 0F06006-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:11:01 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

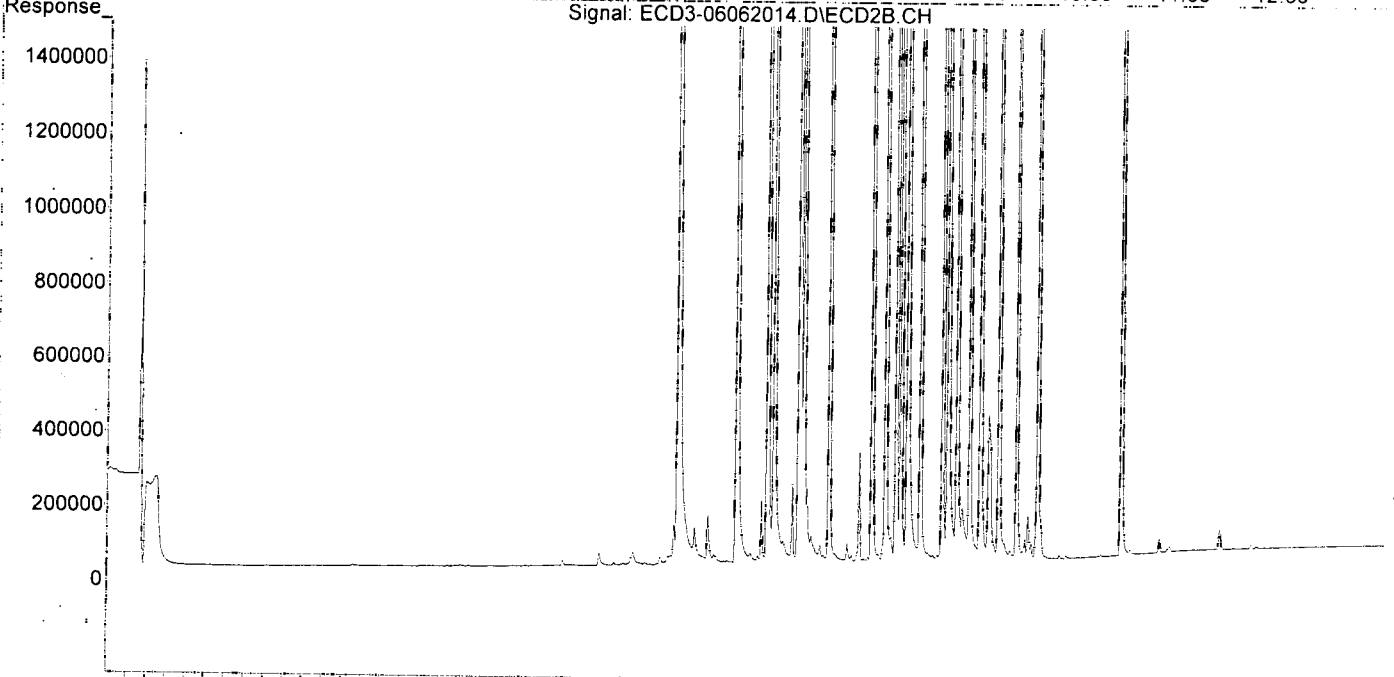
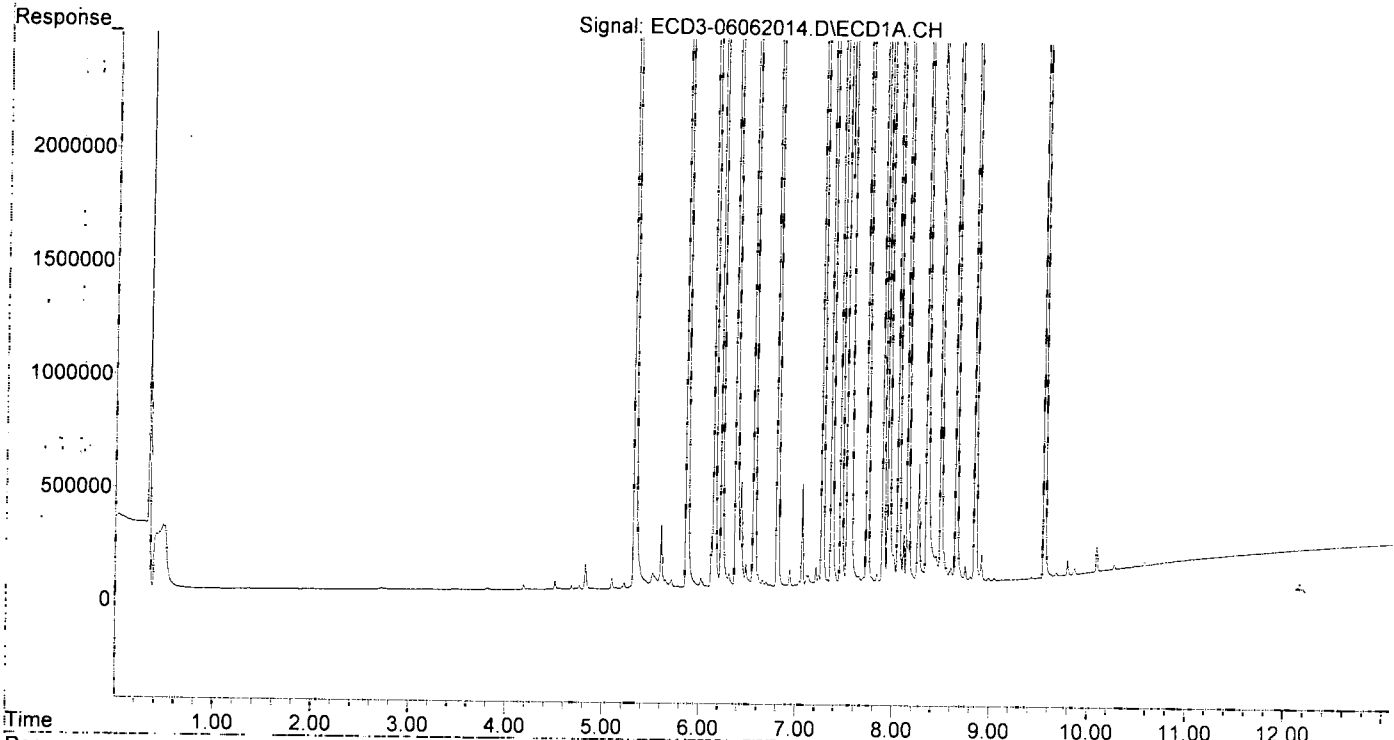
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.331	5.859	15021411	7338753	100.477	103.352
22) S DCBP (S)	9.560	10.429	11245486	6892489	100.741	103.464
Target Compounds						
2) a-BHC	5.872	6.469	21951973	12737699	102.956	102.557
3) g-BHC	6.156	6.789	19207620	11494426	103.552	103.088
4) b-BHC	6.232	6.855	7999243	4678127	101.262	103.790
5) Heptachlor	6.568	7.162	16392437	10557568	98.531	107.067
6) d-BHC	6.381	7.111	18149050	9722557	108.668	111.520
7) Aldrin	6.810	7.428	18252316	12198805	99.455	102.174
8) Heptachlo...	7.274	7.869	15920982	10475138	98.415	99.267
9) trans-Chl...	7.370	8.010	16930894	10793177	99.380	99.859
10) cis-Chlor...	7.468	8.118	16205181	10453061	100.602	96.767
11) Endosulfa...	7.565	8.167	14102829	9451330	93.929	101.430
12) 4,4'-DDE	7.534	8.231	16799010	9786527	102.960	104.959
13) Dieldrin	7.738	8.369	16591501	10667186	101.688	102.548
14) Endrin	7.904	8.597	13488796	8056758	104.507	105.665
15) 4,4'-DDD	7.957	8.649	13364085	7544070	103.081	104.319
16) Endosulfa...	8.060	8.746	12775333	8289787	99.899	104.219
17) 4,4'-DDT	8.155	8.876	11622287	6575103	105.221	107.750
18) Endrin Al...	8.353	8.985	10186816	6856379	101.399	102.471
19) Endosulfa...	8.656	9.177	12864370	7584211	102.488	108.092
20) Methoxychlor	8.496	9.360	5531510	3199829	105.038	107.735
21) Endrin Ke...	8.850	9.576	14098521	8564413	102.150	106.595
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.715	0.000	30611	0	0.210	N.D. #
25) Oxychlordane	7.209	7.785	80252	5179	0.441	7645.590 #
26) 2,4'-DDE	7.274	8.010	15920982	10793177	157.309	166.072
27) trans-Non...	7.468	8.069	16205181	60906	106.197	0.278 #
28) 2,4'-DDD	7.652	8.369	36599	10667186	0.400	192.018 #
29) 2,4'-DDT	7.838	8.597	43078	8056758	0.558	177.684 #
30) cis-Nonac...	7.957f	8.649	13364085	7544070	76.580	71.214
31) Mirex	8.604	9.576	61161	8564413	0.324	136.806 #
32) Chlordane...	7.370	8.010	16930894	10793177	942.157	860.268
33) Chlordane...	7.468	8.118	16205181	10453061	731.497	975.883
34) Chlordane...	8.007	8.801	127447	136667	25.379	45.009 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.468f	8.369f	16205181	10667186	21890.794	11381.100 #
37) Toxaphene...	7.738	0.000	16591501	0	12204.480	N.D. #
38) Toxaphene...	8.060	8.746	12775333	8289787	4533.373	4943.127
39) Toxaphene...	8.320f	8.801	50404	136667	7.274	34.081 #
40) Toxaphene...	8.556f	8.985	64776	6856379	32.835	3491.699 #
41) Toxaphene...	8.604	9.360	61161	3199829	22.032	1994.834 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 19:13
Operator : MJB
Sample : 0F06006-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:01 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 19:30
 Operator : MJB
 Sample : 0F06006-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:11:12 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

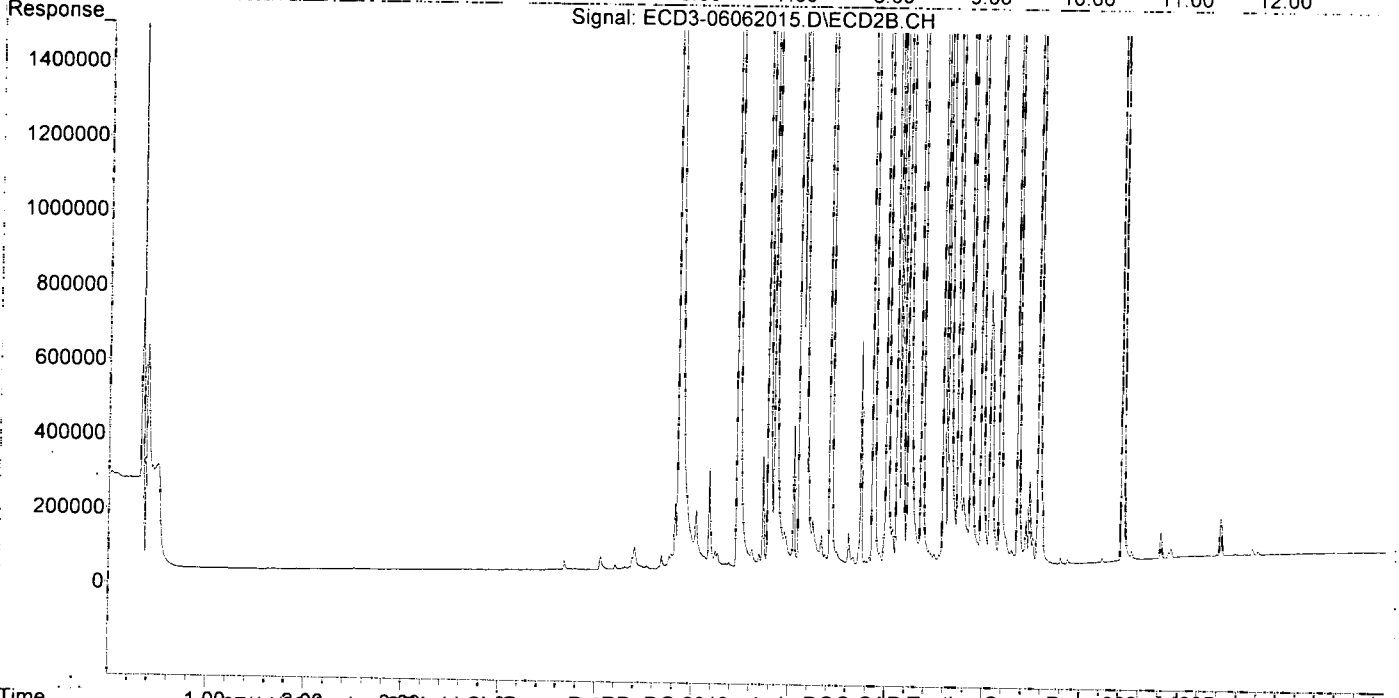
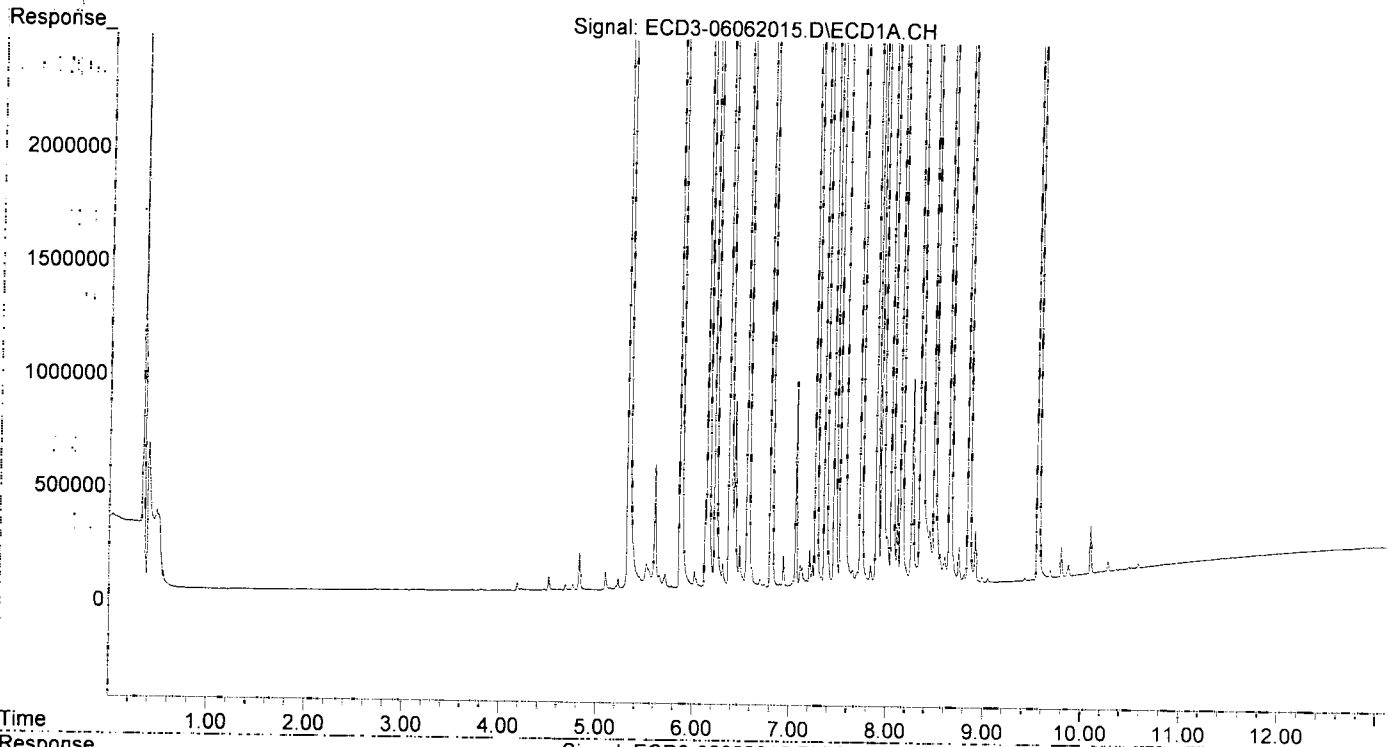
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.331	5.858	30521945	15520735	204.159	195.062
22) S DCBP (S)	9.559	10.429	22140540	13017886	199.157	197.873
Target Compounds						
2) a-BHC	5.872	6.468	43652728	25291980	204.733	203.637
3) g-BHC	6.156	6.788	38554392	22908050	207.853	205.452
4) b-BHC	6.232	6.855	16167895	9881780	204.668	219.239
5) Heptachlor	6.568	7.161	33721514	20197886	202.692	204.832
6) d-BHC	6.381	7.110	36274773	20227375	217.196	232.012
7) Aldrin	6.810	7.428	36541413	22760844	199.110	190.638
8) Heptachlo...	7.273	7.869	31398636	19974160	194.089	189.284
9) trans-Chl...	7.369	8.010	33738062	20975682	198.034	194.068
10) cis-Chlor...	7.468	8.118	32684599	20399718	199.298	188.846
11) Endosulfa...	7.564	8.167	29812068	17928483	198.556	192.405
12) 4,4'-DDE	7.533	8.231	34267932	19554676	210.025	209.720
13) Dieldrin	7.738	8.369	33694446	21263096	206.510	204.411
14) Endrin	7.903	8.597	26227783	16292611	203.204	213.680
15) 4,4'-DDD	7.956	8.649	27535691	15815260	212.391	218.693
16) Endosulfa...	8.059	8.745	25052470	15948402	195.902	200.502
17) 4,4'-DDT	8.155	8.876	24350684	13796096	194.322	192.265
18) Endrin Al...	8.352	8.985	19997286	13407126	202.215	198.681
19) Endosulfa...	8.656	9.177	24697099	15006525	196.758	213.876
20) Methoxychlor	8.494	9.360	11838765	6805534	224.807	194.444
21) Endrin Ke...	8.851	9.575	28881016	16832328	209.256	209.501
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.714	0.000	57703	0	0.397	N.D. #
25) Oxychlordane	7.208	7.805	159955	11836	1.061	7645.511 #
26) 2,4'-DDE	7.273	8.010	31398636	20975682	302.125	301.108
27) trans-Non...	7.468	8.070	32684599	97220	209.368	0.644 #
28) 2,4'-DDD	7.652	8.369	64815	21263096	0.708	361.329 #
29) 2,4'-DDT	7.838	8.597	86307	16292611	1.119	359.319 #
30) cis-Nonac...	7.956f	8.649	27535691	15815260	157.787	151.213
31) Mirex	8.603	9.575	114403	16832328	0.864	278.343 #
32) Chlordane...	7.369	8.010	33738062	20975682	1877.429	1671.863
33) Chlordane...	7.468	8.118	32684599	20399718	1475.372	1904.488
34) Chlordane...	8.007	8.796	210980	179935	42.014	59.258 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.468f	8.369f	32684599	21263096	44152.041	22686.153 #
37) Toxaphene...	7.738	0.000	33694446	0	24785.172	N.D. #
38) Toxaphene...	8.059	8.745	25052470	15948402	8889.958	9509.892
39) Toxaphene...	8.321f	8.796	78313	179935	18.771	52.710 #
40) Toxaphene...	8.554f	8.985	128514	13407126	65.144	5826.965 #
41) Toxaphene...	8.603	9.360	114403	6805534	41.211	4242.699 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 19:30
Operator : MJB
Sample : 0F06006-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 20:22
 Operator : MJB
 Sample : 0F06006-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:11:52 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

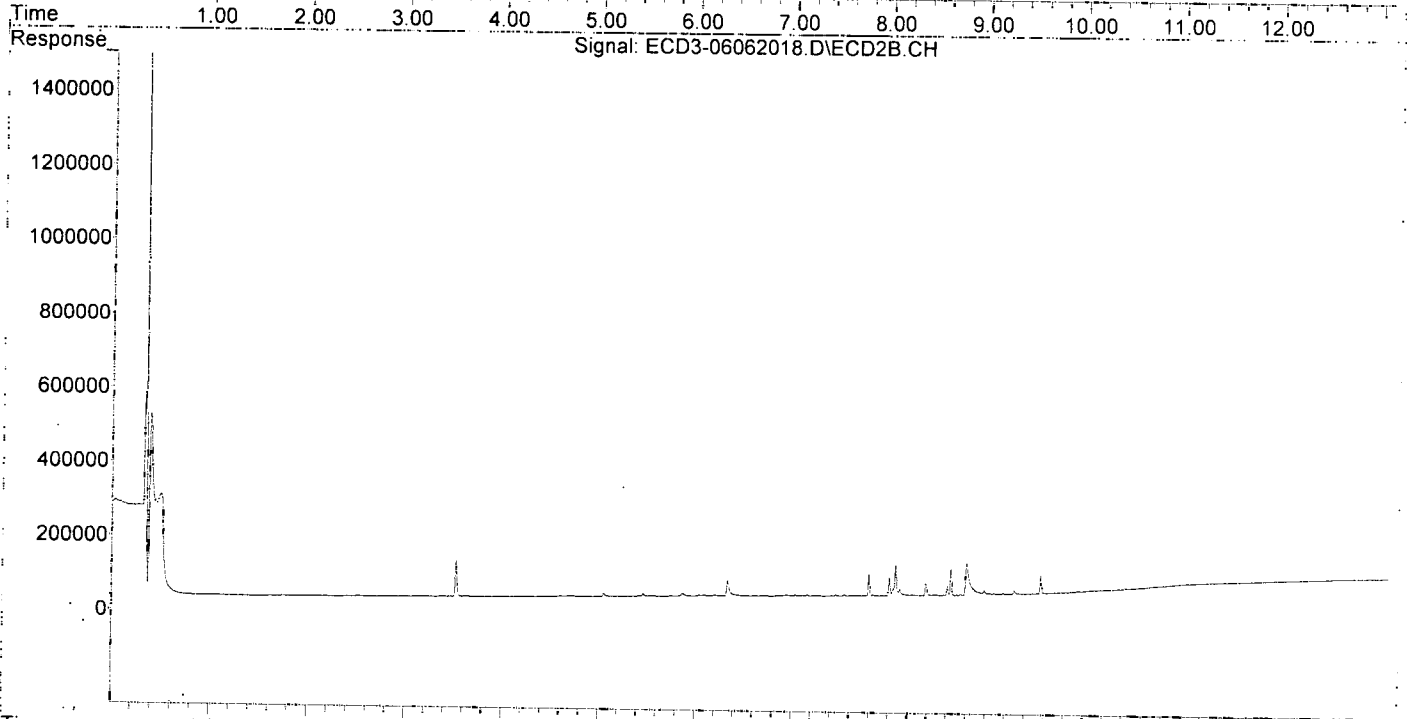
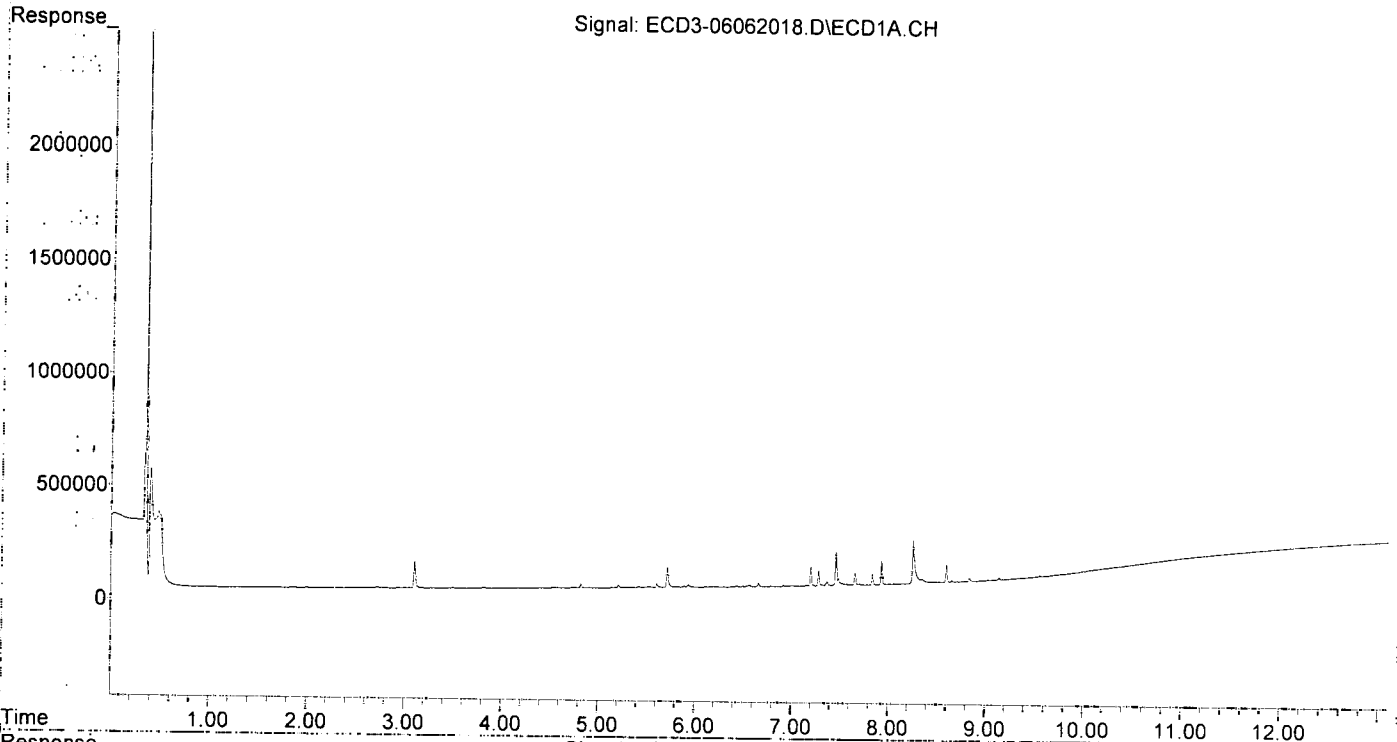
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	5.870	0	6874	N.D.	BelowCal
22) S DCBP (S)	9.561	10.429	5263	2319	30098.513	8152.132 #
Target Compounds						
2) a-BHC	5.890	0.000	4680	0	0.022	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.568	7.162	7964	3343	0.048	0.034
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.455f	0	3314	N.D.	0.028 #
8) Heptachlo...	7.283	0.000	65322	0	0.404	N.D. #
9) trans-Chl...	7.372	8.009	16380	49247	0.096	0.456 #
10) cis-Chlor...	7.462	8.118	145448	15663	0.602	0.145 #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	8.384	0	34549	N.D.	0.332 #
14) Endrin	7.934f	8.608	103278	26110	0.800	0.342 #
15) 4,4'-DDD	7.934f	8.643	103278	71324	0.797	0.986
16) Endosulfa...	8.063	0.000	3843	0	0.030	N.D. #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.353	8.986	15191	8510	6984.952	BelowCal #
19) Endosulfa...	8.658	0.000	5831	0	0.046	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.836	9.564	13781	48879	0.100	0.608 #
23) Hexachlor...	3.106	3.529	115920	96859	0.480	0.477
24) Hexachlor...	5.716	6.336	87273	41220	0.600	0.497
25) Oxychlorane	7.202	7.797	84567	57877	0.475	0.482
26) 2,4'-DDE	7.283	8.009	65322	49247	0.488	0.514
27) trans-Non...	7.462	8.073	145448	82206	0.507	0.493
28) 2,4'-DDD	7.658	8.384	52698	34549	0.576	0.477
29) 2,4'-DDT	7.840	8.608	46876	26110	0.608	0.576
30) cis-Nonac...	7.934	8.643	103278	71324	0.592	0.487
31) Mirex	8.602	9.564	75670	48879	0.471	0.478
32) Chlordane...	7.372	8.009	16380	49247	0.911	3.925 #
33) Chlordane...	7.462	8.118	145448	15663	6.565	1.462 #
34) Chlordane...	8.017	8.805f	3616	84988	0.720	27.989 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.462	8.384f	145448	34549	196.479	36.862 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.063	0.000	3843	0	1.364	N.D. #
39) Toxaphene...	8.261f	8.805	188654	84988	64.005	11.661 #
40) Toxaphene...	0.000	8.986	0	8510	N.D.	1.072 #
41) Toxaphene...	8.602	0.000	75670	0	27.259	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample# : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:11:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 20:39
 Operator : MJB
 Sample : 0F06006-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:12:11 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

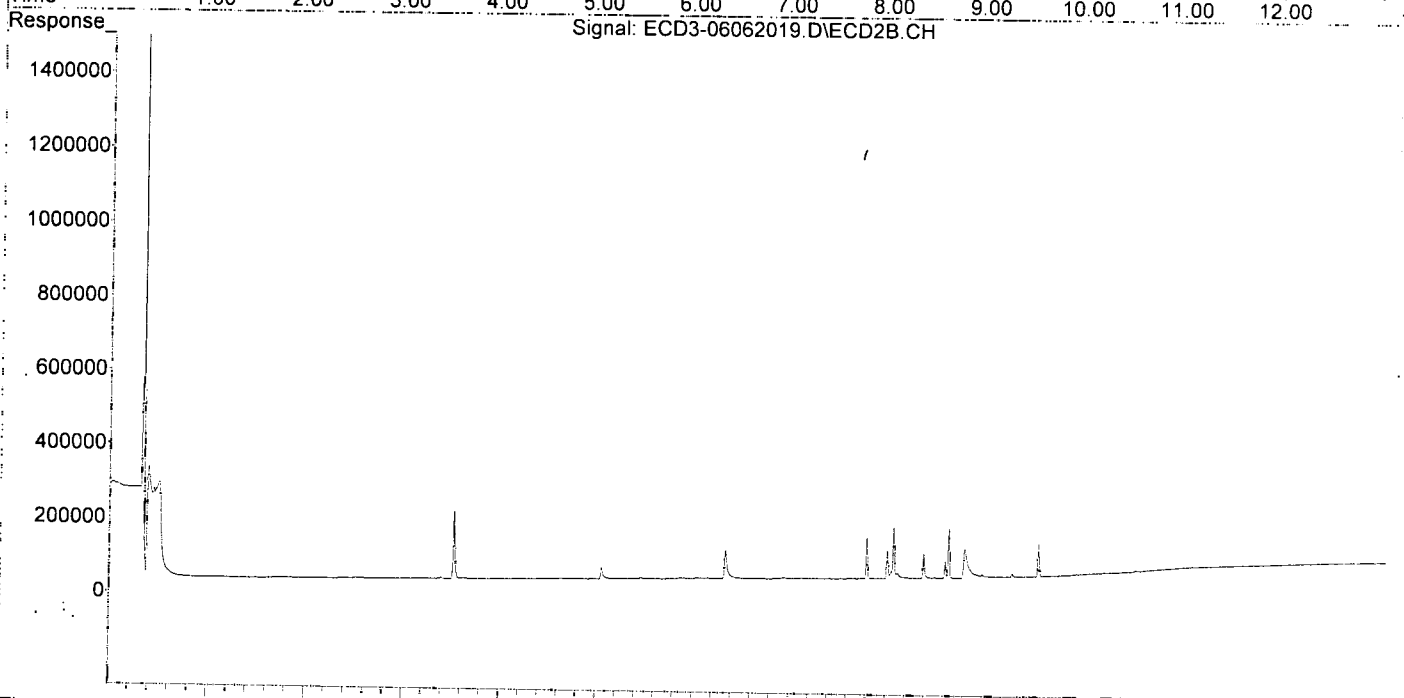
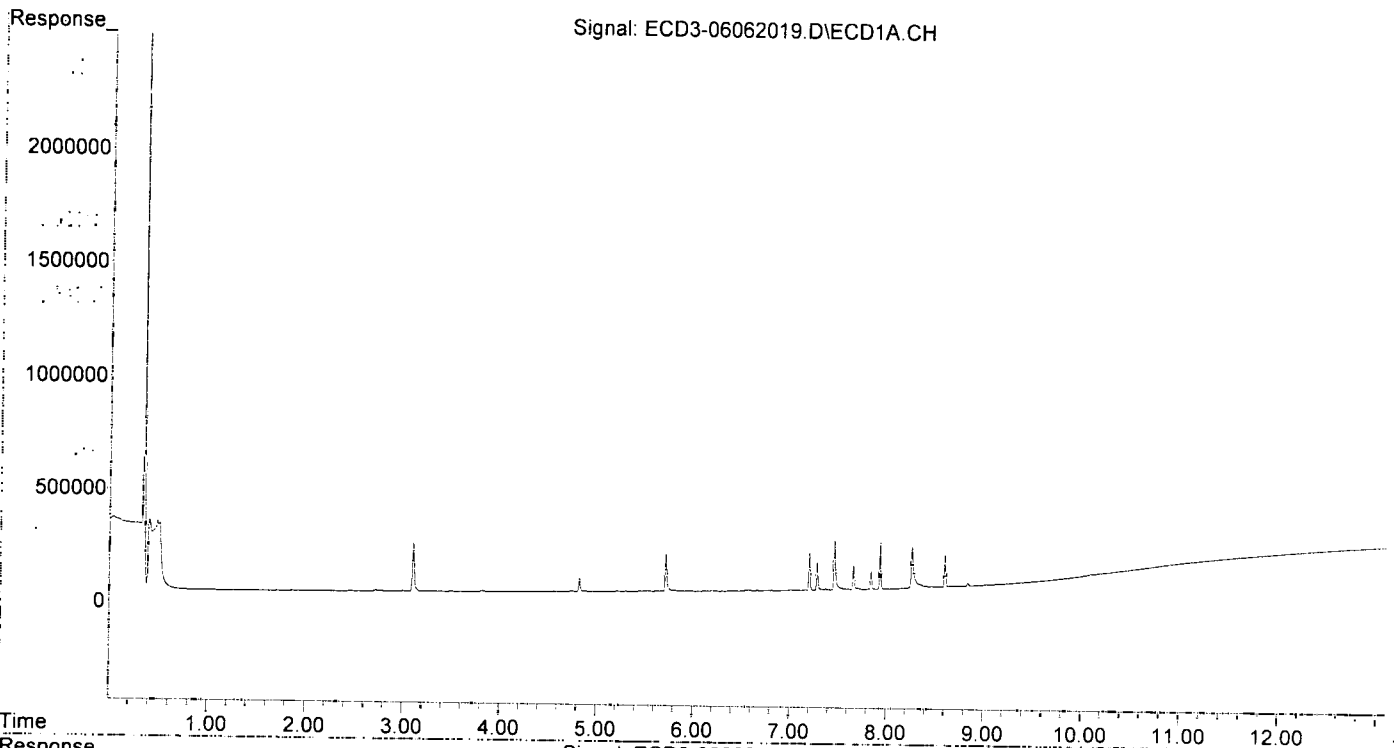
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
2) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.566	0.000	3125	0	0.019	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.283	0.000	121465	0	0.751	N.D. #
9) trans-Chl...	7.372	8.010	4425	76268	0.026	0.706 #
10) cis-Chlor...	7.462	8.119	215322	12098	1.046	0.112 #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.704f	8.385	4290	66814	0.026	0.642 #
14) Endrin	7.934f	8.609	200869	45318	1.556	0.594 #
15) 4,4'-DDD	7.934f	8.644	200869	133086	1.549	1.840
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.353	8.986	10663	5116	6984.996	BelowCal #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.836	9.565	13455	87426	0.097	1.088 #
23) Hexachlor...	3.106	3.529	211814	180820	1.074	1.085
24) Hexachlor...	5.717	6.337	164190	75347	1.129	1.049
25) Oxychlordane	7.203	7.798	164264	107735	1.095	1.074
26) 2,4'-DDE	7.283	8.010	121465	76268	1.060	0.971
27) trans-Non...	7.462	8.075	215322	135976	0.979	1.035
28) 2,4'-DDD	7.658	8.385	105471	66814	1.152	1.101
29) 2,4'-DDT	7.841	8.609	78212	45318	1.014	0.999
30) cis-Nonac...	7.934	8.644	200869	133086	1.151	1.066
31) Mirex	8.603	9.565	137658	87426	1.100	1.076
32) Chlordane...	7.372	8.010	4425	76268	0.246	6.079 #
33) Chlordane...	7.462	8.119	215322	12098	9.720	1.129 #
34) Chlordane...	0.000	8.808f	0	77798	N.D.	25.621 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.462	8.385f	215322	66814	290.868	71.286 #
37) Toxaphene...	7.704f	0.000	4290	0	3.155	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.262f	8.808	176987	77798	59.239	8.526 #
40) Toxaphene...	0.000	8.986	0	5116	N.D.	BelowCal
41) Toxaphene...	8.603	0.000	137658	0	49.588	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:39
Operator : MJB
Sample : 0F06006-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:12:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 20:56
 Operator : MJB
 Sample : 0F06006-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:12:24 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

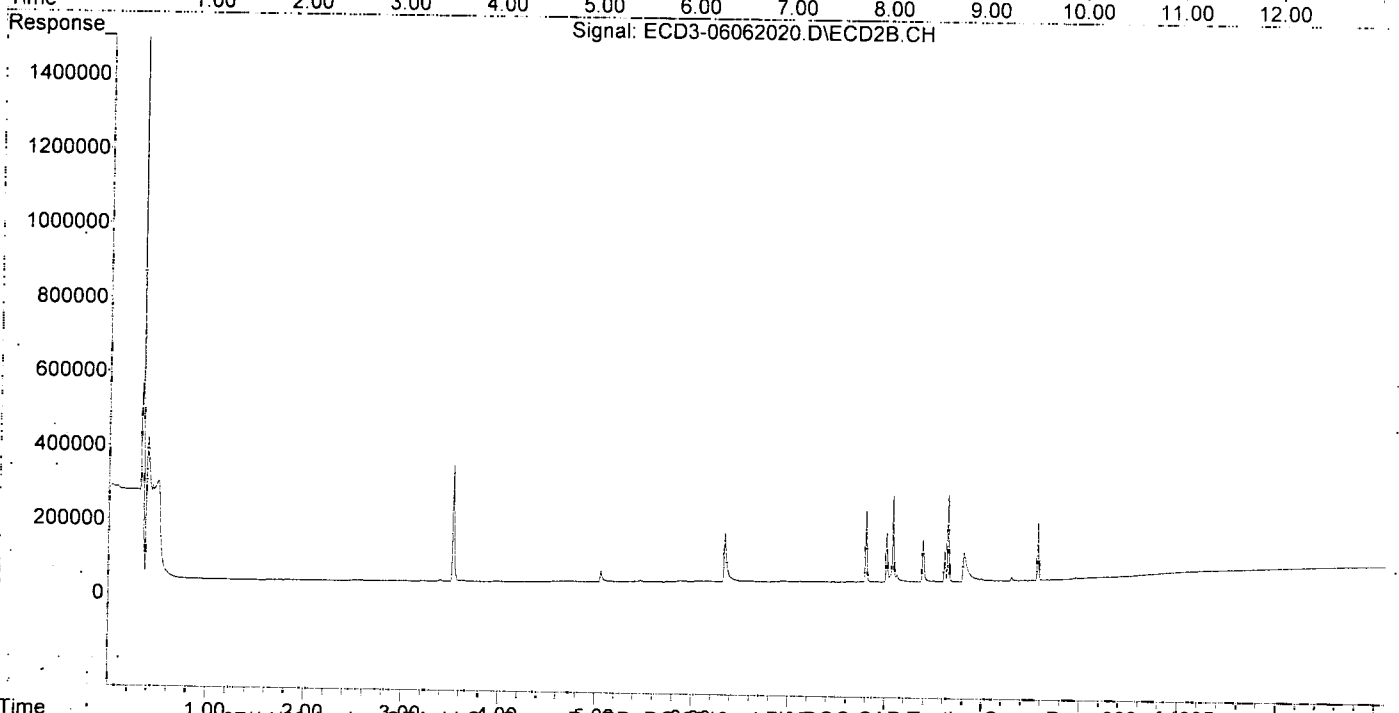
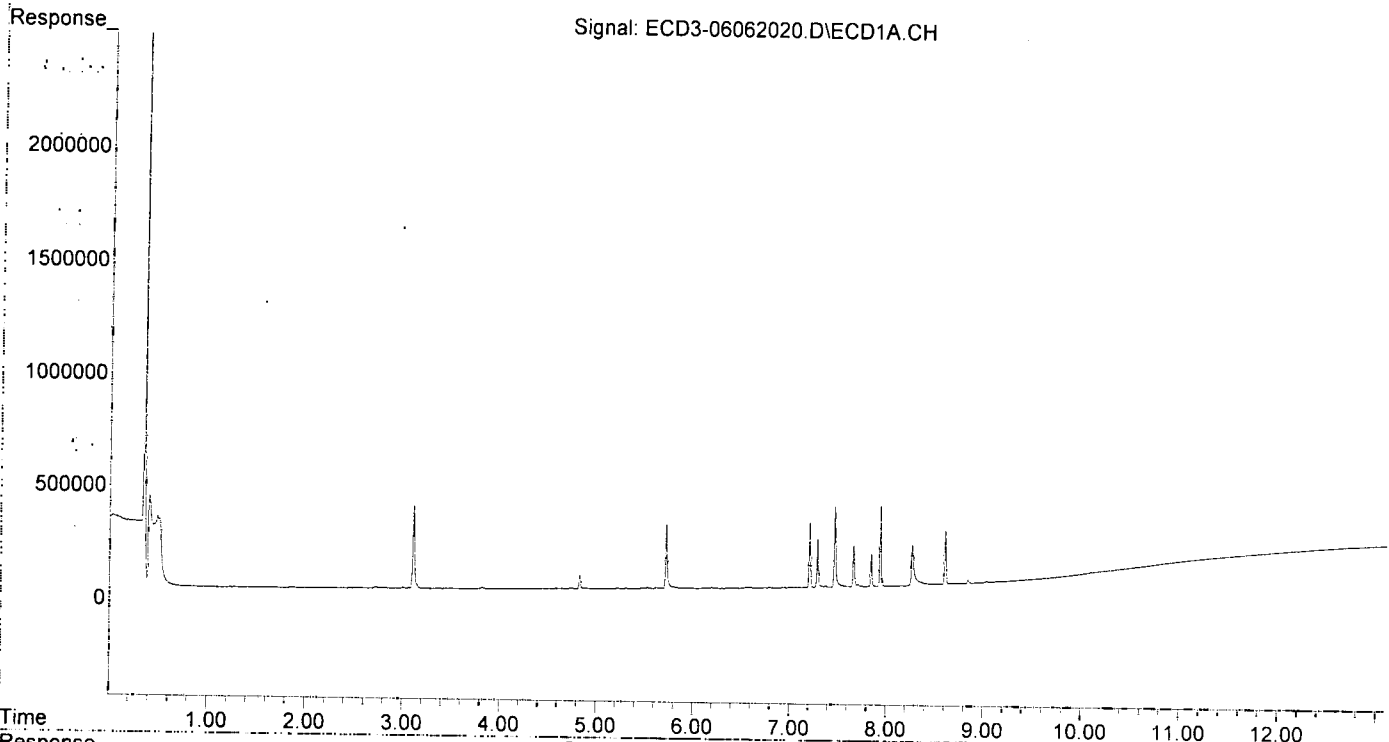
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.566	0.000	3552	0	0.021	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.285	0.000	213043	0	1.317	N.D. #
9) trans-Chl...	7.372	8.011	5804	130505	0.034	1.207 #
10) cis-Chlor...	7.464	8.120	361881	15472	1.977	0.143 #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.706f	8.386	9572	112777	0.059	1.084 #
14) Endrin	7.936f	8.610	358546	81492	2.778	1.069 #
15) 4,4'-DDD	7.936f	8.645	358546	230789	2.766	3.191
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	8.986	0	4173	N.D.	BelowCal
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.838	9.566	13402	152823	0.097	1.902 #
23) Hexachlor...	3.107	3.530	367181	312519	2.037	2.041
24) Hexachlor...	5.718	6.338	282243	129071	1.940	1.916
25) Oxychlorane	7.205	7.799	290251	188921	2.076	2.038
26) 2,4'-DDE	7.285	8.011	213043	130505	1.993	1.888
27) trans-Non...	7.464	8.077	361881	231479	1.969	1.999
28) 2,4'-DDD	7.659	8.386	184914	112777	2.020	1.988
29) 2,4'-DDT	7.842	8.610	146592	81492	1.900	1.797
30) cis-Nonac...	7.936	8.645	358546	230789	2.055	1.981
31) Mirex	8.604	9.566	236290	152823	2.102	2.091
32) Chlordane...	7.372	8.011	5804	130505	0.323	10.402 #
33) Chlordane...	7.464	8.120	361881	15472	16.335	1.444 #
34) Chlordane...	0.000	8.809f	0	76696	N.D.	25.258 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.464	0.000	361881	0	488.847	N.D. #
37) Toxaphene...	7.706f	0.000	9572	0	7.041	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.264f	8.809	178572	76696	59.887	8.046 #
40) Toxaphene...	0.000	8.970	0	3015	N.D.	BelowCal
41) Toxaphene...	8.604	0.000	236290	0	85.119	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:56
Operator : MJB
Sample : 0F06006-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:12:24 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 21:13
 Operator : MJB
 Sample : 0F06006-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:12:43 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

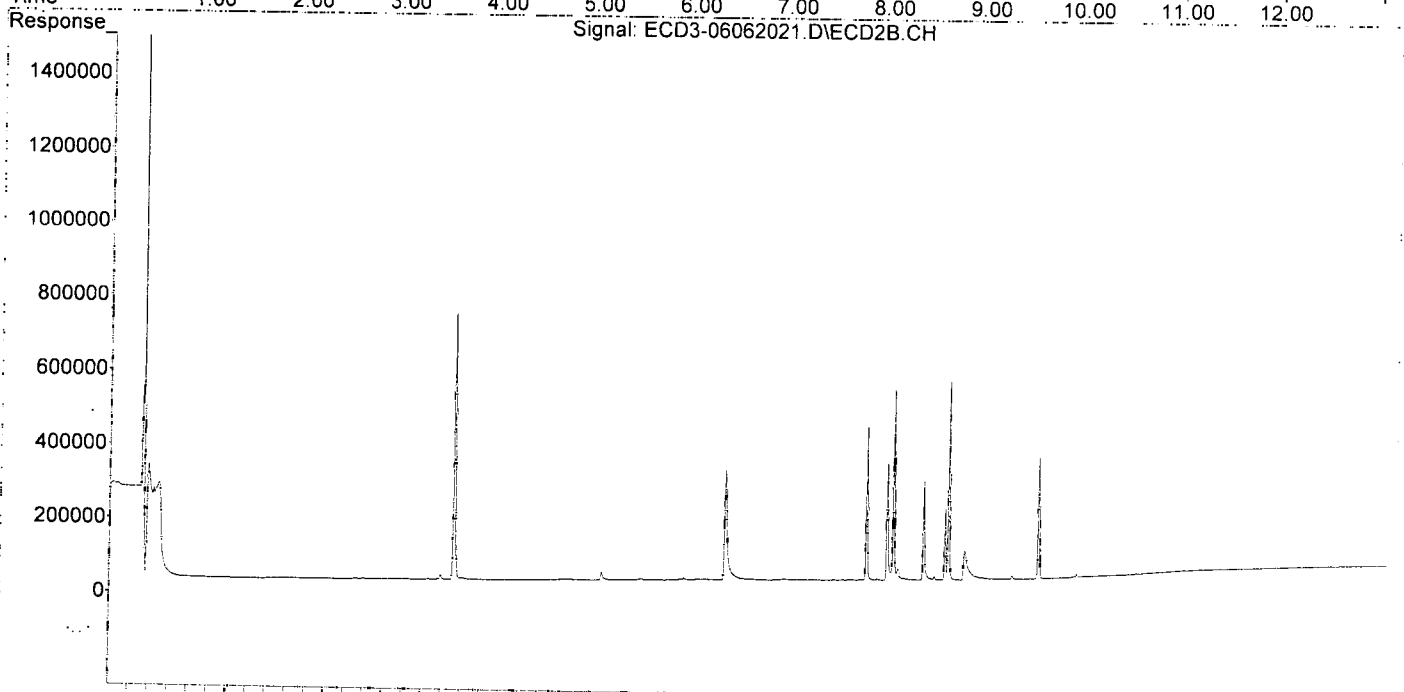
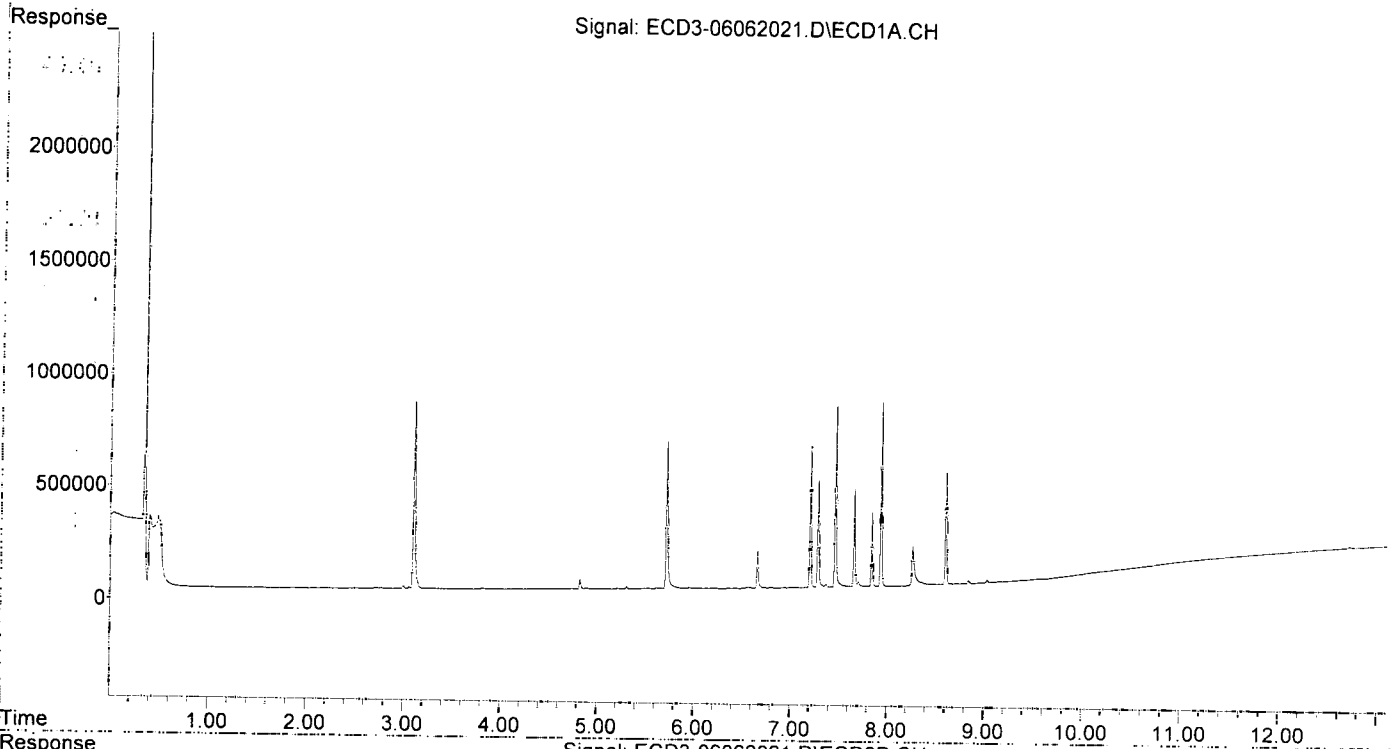
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.305f	0.000	9115	0	0.061	N.D. #
22) S DCBP (S)	9.575	0.000	2465	0	30098.538	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.569	0.000	5503	0	0.033	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.284	7.908f	479513	3570	2.964	0.034 #
9) trans-Chl...	7.372	8.009	12511	310295	0.073	2.871 #
10) cis-Chlor...	7.462	8.120	802627	26644	4.774	0.247 #
11) Endosulfa...	7.549	0.000	5154	0	0.034	N.D. #
12) 4,4'-DDE	7.549	0.000	5154	0	0.032	N.D. #
13) Dieldrin	7.705f	8.386	20895	260589	0.128	2.505 #
14) Endrin	7.935f	8.609	817641	189297	6.335	2.483 #
15) 4,4'-DDD	7.935f	8.644	817641	531391	6.307	7.348
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	0.000	0	0	N.D.	N.D.
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.837	9.566	12853	323437	0.093	4.026 #
23) Hexachlor...	3.107	3.530	832847	712927	4.921	4.955
24) Hexachlor...	5.717	6.335	653214	293078	4.490	4.551
25) Oxychlorane	7.204	7.798	625319	411047	4.683	4.676
26) 2,4'-DDE	7.284	8.009	479513	310295	4.706	4.919
27) trans-Non...	7.462	8.076	802627	507575	4.942	4.787
28) 2,4'-DDD	7.658	8.386	426965	260589	4.665	4.838
29) 2,4'-DDT	7.842	8.609	328304	189297	4.256	4.175
30) cis-Nonac...	7.935	8.644	817641	531391	4.685	4.800
31) Mirex	8.604	9.566	498922	323437	4.769	4.742
32) Chlordane...	7.372	8.009	12511	310295	0.696	24.732 #
33) Chlordane...	7.462	8.120	802627	26644	36.230	2.487 #
34) Chlordane...	0.000	8.808f	0	76050	N.D.	25.046 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.462	8.386f	802627	260589	1084.230	278.029 #
37) Toxaphene...	7.705f	0.000	20895	0	15.370	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.263f	8.808	173717	76050	57.902	7.764 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.604	0.000	498922	0	179.727	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 21:13
Operator : MJB
Sample : 0F06006-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:12:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 21:30
 Operator : MJB
 Sample : 0F06006-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:12:55 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

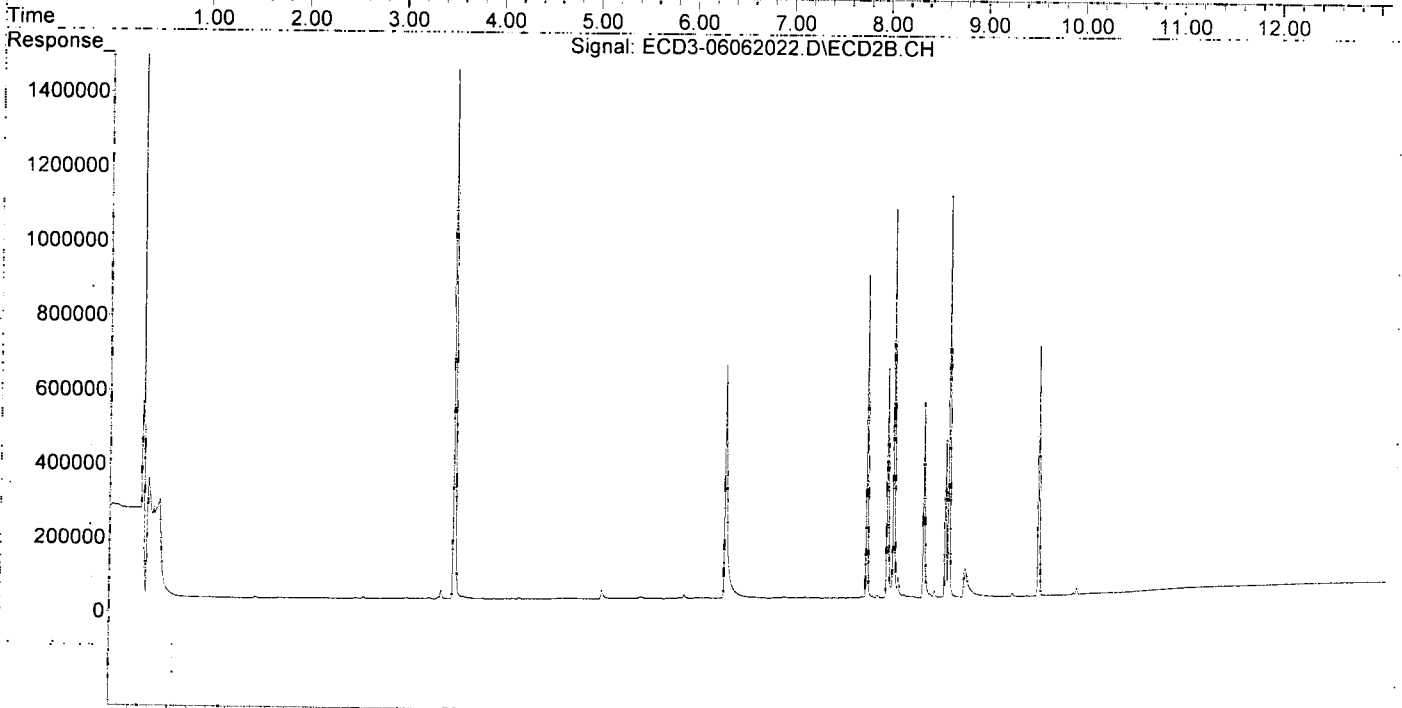
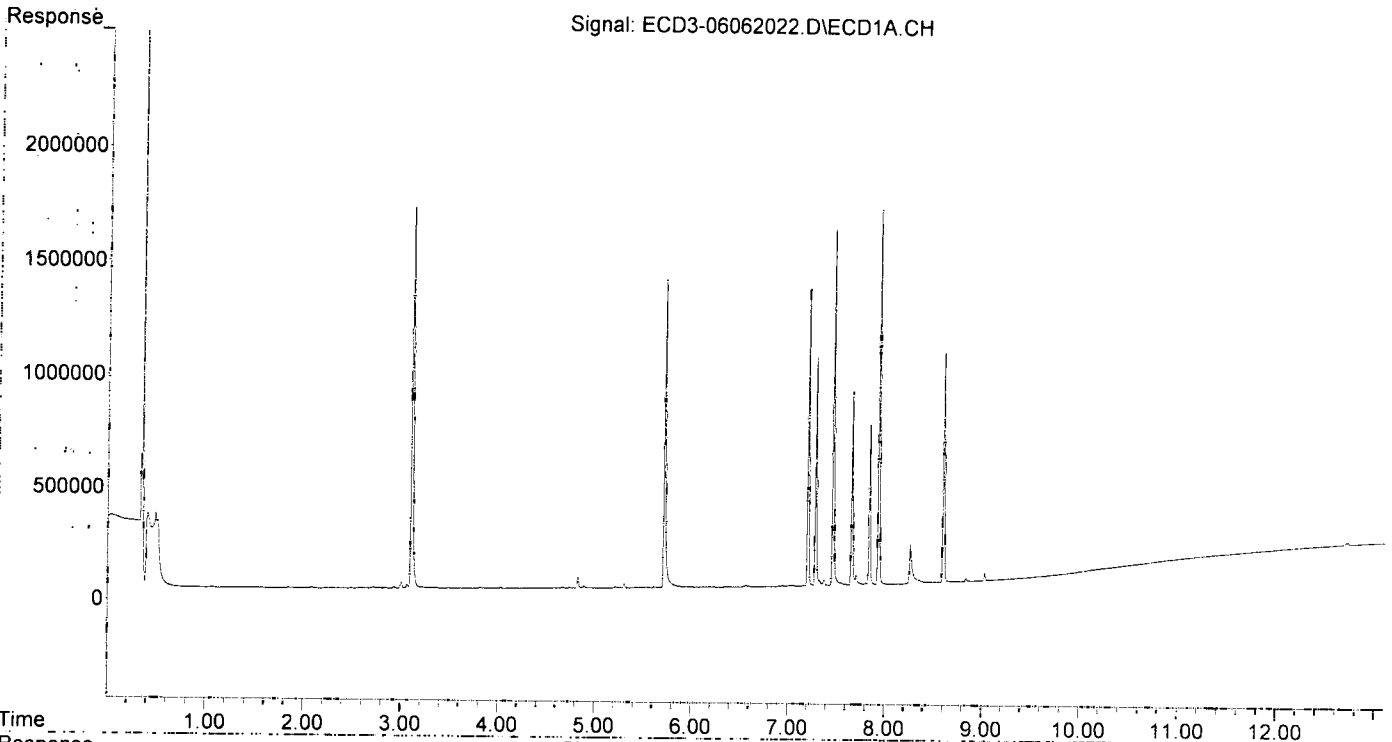
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.305f	5.873	18746	2889	0.125	BelowCal	#
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
Target Compounds							
2) a-BHC	5.872	0.000	2314	0	0.011	N.D.	#
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5) Heptachlor	6.569	0.000	7381	0	0.044	N.D.	#
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8) Heptachlo...	7.284	7.906f	1019885	6846	6.304	0.065	#
9) trans-Chl...	7.372	8.010	22805	612154	0.134	5.664	#
10) cis-Chlor...	7.462	8.119	1579824	51482	9.699	0.477	#
11) Endosulfa...	7.550	0.000	7620	0	0.051	N.D.	#
12) 4,4'-DDE	7.550	0.000	7620	0	0.047	N.D.	#
13) Dieldrin	7.705f	8.385	43439	524558	0.266	5.043	#
14) Endrin	7.935f	8.609	1655952	421059	12.830	5.522	#
15) 4,4'-DDD	7.935f	8.645	1655952	1073919	12.773	14.850	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.354	8.987	8448	3542	6985.018	BelowCal	#
19) Endosulfa...	8.649	0.000	3941	0	0.031	N.D.	#
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.837	9.566	13875	671191	0.101	8.354	#
23) Hexachlor...	3.108	3.531	1688788	1421236	10.218	10.137	#
24) Hexachlor...	5.717	6.334	1360540	626457	9.352	9.853	#
25) Oxychlorane	7.204	7.799	1317392	864467	10.066	10.068	#
26) 2,4'-DDE	7.284	8.010	1019885	612154	10.199	9.985	#
27) trans-Non...	7.462	8.075	1579824	1040121	10.174	10.173	#
28) 2,4'-DDD	7.658	8.385	857480	524558	9.368	9.911	#
29) 2,4'-DDT	7.841	8.609	711986	421059	9.230	9.286	#
30) cis-Nonac...	7.935	8.645	1655952	1073919	9.489	9.894	#
31) Mirex	8.604	9.566	1021628	671191	10.079	10.155	#
32) Chlordane...	7.372	8.010	22805	612154	1.269	48.792	#
33) Chlordane...	7.462	8.119	1579824	51482	71.313	4.806	#
34) Chlordane...	0.000	8.808f	0	76846	N.D.	25.308	#
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.462	8.385f	1579824	524558	2134.108	559.665	#
37) Toxaphene...	7.705f	0.000	43439	0	31.953	N.D.	#
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39) Toxaphene...	8.263f	8.808	172074	76846	57.231	8.111	#
40) Toxaphene...	0.000	8.987	0	3542	N.D.	BelowCal	
41) Toxaphene...	8.604	0.000	1021628	0	368.021	N.D.	#
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 21:30
Operator : MJB
Sample : 0F06006-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:12:55 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 21:47
 Operator : MJB
 Sample : 0F06006-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:13:08 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

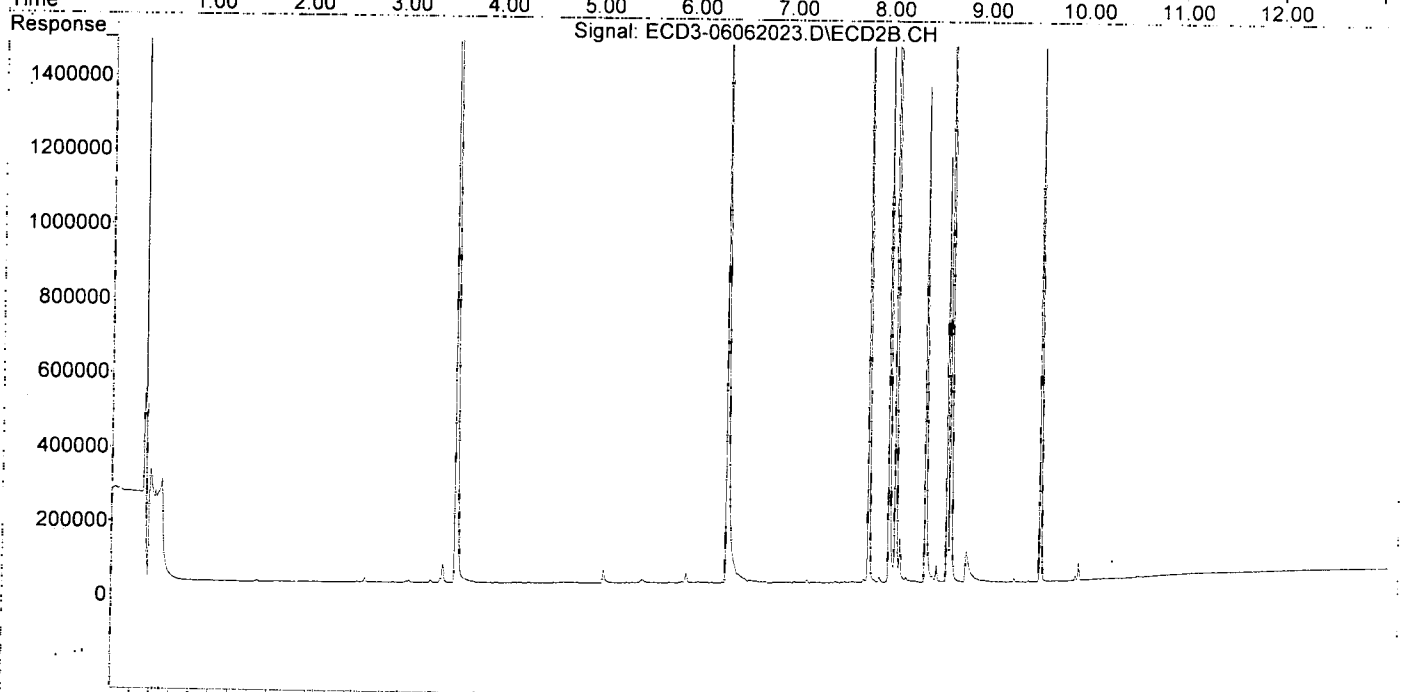
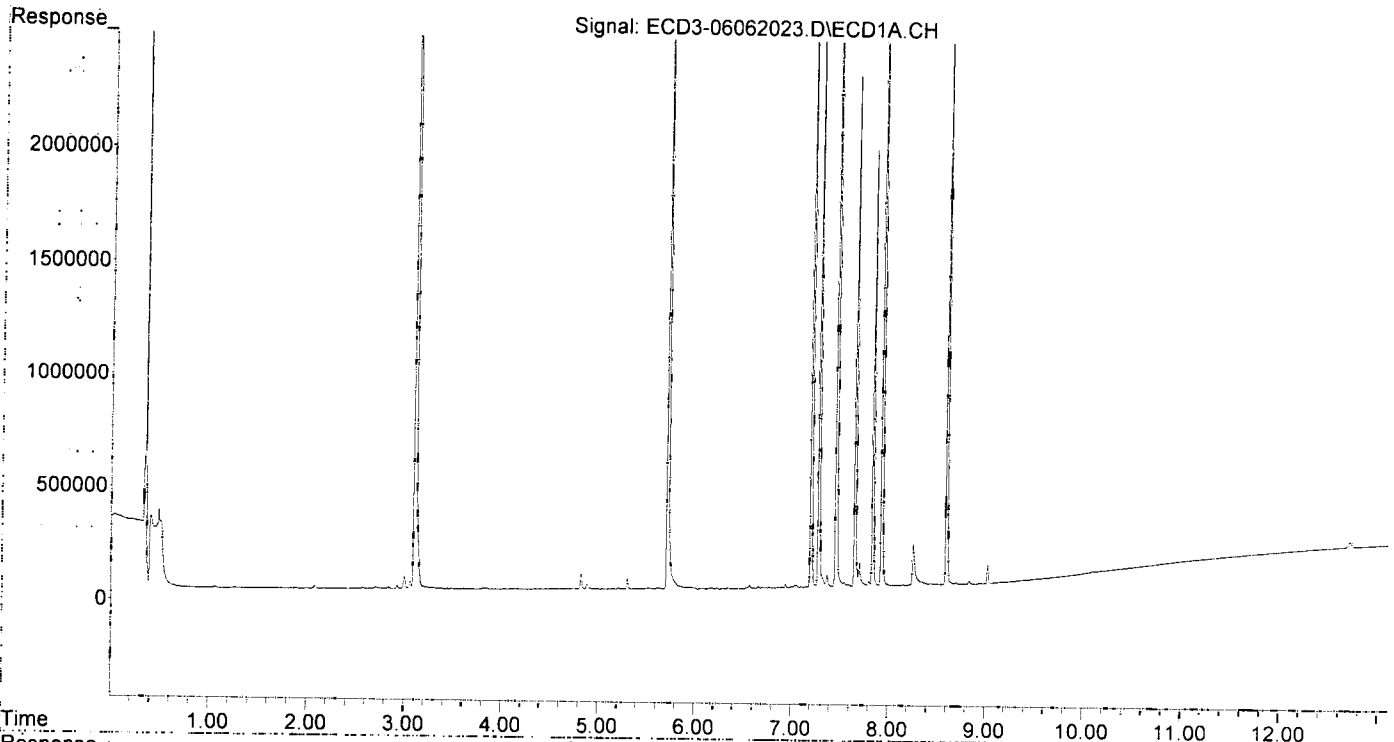
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.305f	5.870	46212	3138	0.309	BelowCal	#
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
Target Compounds							
2) a-BHC	5.869	0.000	4069	0	0.019	N.D.	#
3) g-BHC	6.156	0.000	5843	0	0.032	N.D.	#
4) b-BHC	6.229	6.846	5938	2640	0.075	0.059	
5) Heptachlor	6.569	7.162	15139	8397	0.091	0.085	
6) d-BHC	6.347f	0.000	5571	0	0.033	N.D.	#
7) Aldrin	0.000	7.455f	0	4776	N.D.	0.040	#
8) Heptachlo...	7.282	7.907f	2587783	14594	15.996	0.138	#
9) trans-Chl...	7.371	8.009	51992	1623379	0.305	15.020	#
10) cis-Chlor...	7.462	8.118	3926678	116341	24.510	1.077	#
11) Endosulfa...	7.549	8.184	16739	11202	0.111	0.120	
12) 4,4'-DDE	7.549	0.000	16739	0	0.103	N.D.	#
13) Dieldrin	7.705f	8.384	102101	1320951	0.626	12.699	#
14) Endrin	7.935f	8.608	4201582	1136837	32.552	14.910	#
15) 4,4'-DDD	7.935f	8.643	4201582	2765154	32.408	38.237	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	0.000	8.988	0	3126	N.D.	BelowCal	
19) Endosulfa...	8.646	0.000	8531	0	0.068	N.D.	#
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.835	9.565	14795	1615401	0.107	20.106	#
23) Hexachlor...	3.107	3.529	4029788	3373514	24.672	24.610	
24) Hexachlor...	5.717	6.331	3529381	1742876	24.260	27.120	
25) Oxychlordane	7.203	7.798	3322121	2183217	25.641	25.793	
26) 2,4'-DDE	7.282	8.009	2587783	1623379	26.071	26.739	
27) trans-Non...	7.462	8.075	3926678	2540550	25.891	25.396	
28) 2,4'-DDD	7.657	8.384	2247942	1320951	24.559	25.102	
29) 2,4'-DDT	7.840	8.608	1921446	1136837	24.908	25.072	
30) cis-Nonac...	7.935	8.643	4201582	2765154	24.076	25.820	
31) Mirex	8.603	9.565	2517729	1615401	25.294	24.919	
32) Chlordane...	7.371	8.009	51992	1623379	2.893	129.391	#
33) Chlordane...	7.462	8.118	3926678	116341	177.249	10.861	#
34) Chlordane...	0.000	8.806f	0	80909	N.D.	26.646	#
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.462	8.384f	3926678	1320951	5304.359	1409.357	#
37) Toxaphene...	7.705f	0.000	102101	0	75.104	N.D.	#
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39) Toxaphene...	8.262f	8.806	180831	80909	60.810	9.883	#
40) Toxaphene...	0.000	8.988	0	3126	N.D.	BelowCal	
41) Toxaphene...	8.603	0.000	2517729	0	906.961	N.D.	#
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 21:47
Operator : MJB
Sample : 0F06006-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:13:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 22:04
 Operator : MJB
 Sample : 0F06006-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:13:18 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

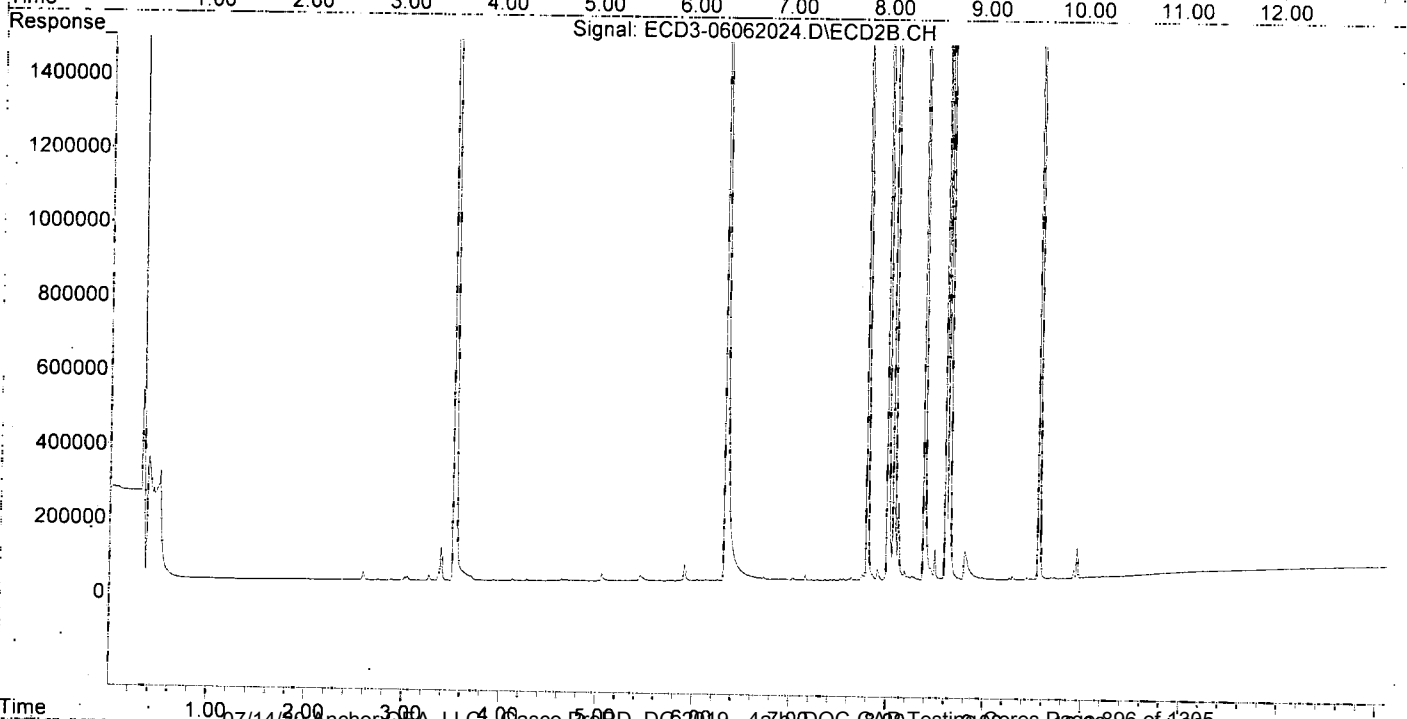
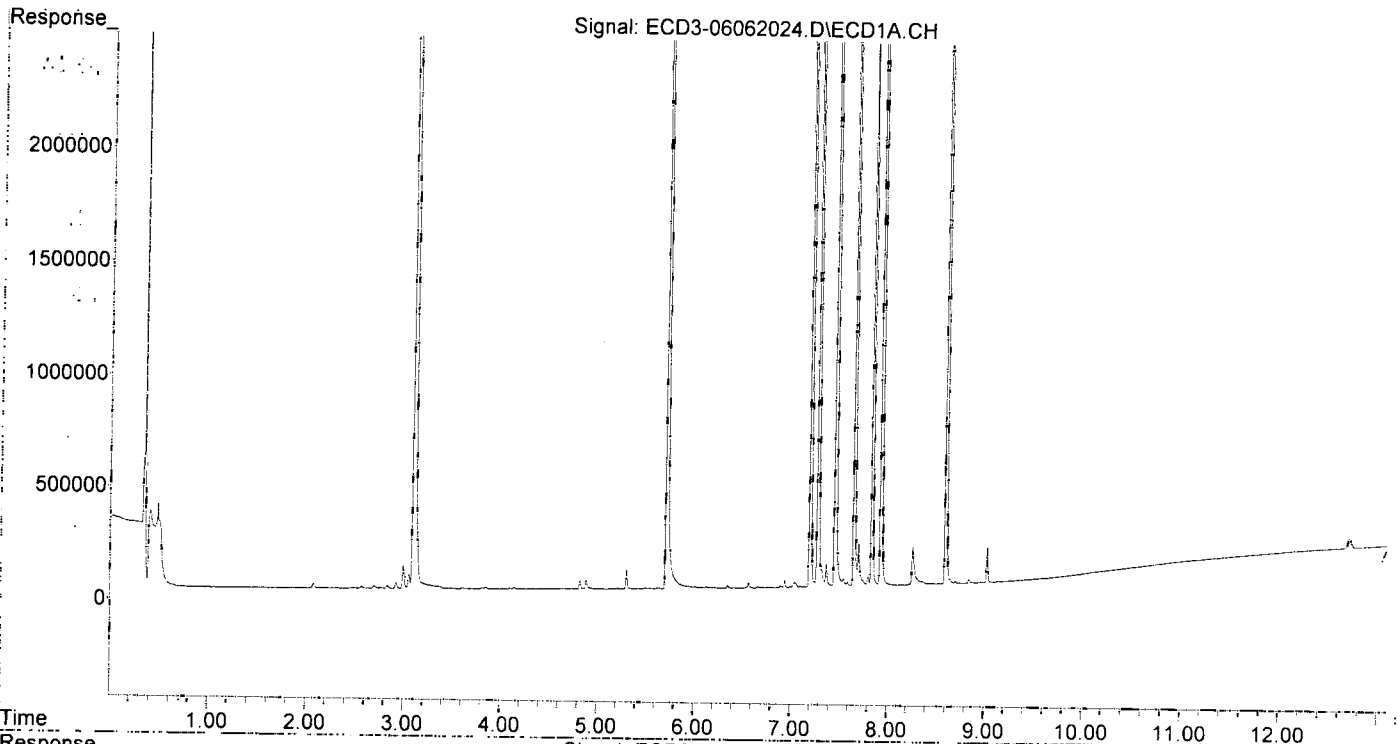
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.306f	0.000	82400	0	0.551	N.D.	#
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
Target Compounds							
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3) g-BHC	6.130f	0.000	5516	0	0.030	N.D.	#
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5) Heptachlor	6.569	7.162	22693	12968	0.136	0.132	
6) d-BHC	6.350f	0.000	11864	0	0.071	N.D.	#
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8) Heptachlo...	7.282	7.850	4783503	15837	29.569	0.150	#
9) trans-Chl...	7.371	8.008	96693	3080248	0.568	28.499	#
10) cis-Chlor...	7.461	8.118	7349442	205682	45.954	1.904	#
11) Endosulfa...	7.550	8.184	29539	20310	0.197	0.218	
12) 4,4'-DDE	7.550	8.260f	29539	3869	0.181	0.041	#
13) Dieldrin	7.705f	8.384	186291	2611856	1.142	25.109	#
14) Endrin	7.935f	8.607	7918629	2264252	61.351	29.696	#
15) 4,4'-DDD	7.935f	8.643	7918629	5267490	61.079	72.839	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.364	8.988	11883	2979	6984.984	BelowCal	#
19) Endosulfa...	8.646	0.000	21074	0	0.168	N.D.	#
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.839	9.565	15334	3059409	0.111	38.078	#
23) Hexachlor...	3.106	3.530	7689164	6321143	47.173	47.016	
24) Hexachlor...	5.717	6.331	6611662	3355768	45.447	50.873	
25) Oxychlordane	7.203	7.798	6032848	4033686	46.660	47.970	
26) 2,4'-DDE	7.282	8.008	4783503	3080248	48.137	50.327	
27) trans-Non...	7.461	8.075	7349442	4847467	48.596	48.948	
28) 2,4'-DDD	7.657	8.384	4113598	2611856	44.941	49.368	
29) 2,4'-DDT	7.841	8.607	3757958	2264252	48.715	49.936	
30) cis-Nonac...	7.935	8.643	7918629	5267490	45.376	49.516	
31) Mirex	8.603	9.565	4562673	3059409	46.127	47.693	
32) Chlordane...	7.371	8.008	96693	3080248	5.381	245.511	#
33) Chlordane...	7.461	8.118	7349442	205682	331.751	19.202	#
34) Chlordane...	0.000	8.807f	0	72845	N.D.	23.990	#
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.461	8.384f	7349442	2611856	9928.005	2786.657	#
37) Toxaphene...	7.705f	0.000	186291	0	137.033	N.D.	#
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39) Toxaphene...	8.263f	8.807	166385	72845	54.905	6.365	#
40) Toxaphene...	0.000	8.988	0	2979	N.D.	BelowCal	
41) Toxaphene...	8.603	0.000	4562673	0	1643.611	N.D.	#
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 22:04
Operator : MJB
Sample : 0F06006-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:13:18 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 22:21
 Operator : MJB
 Sample : 0F06006-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:13:29 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

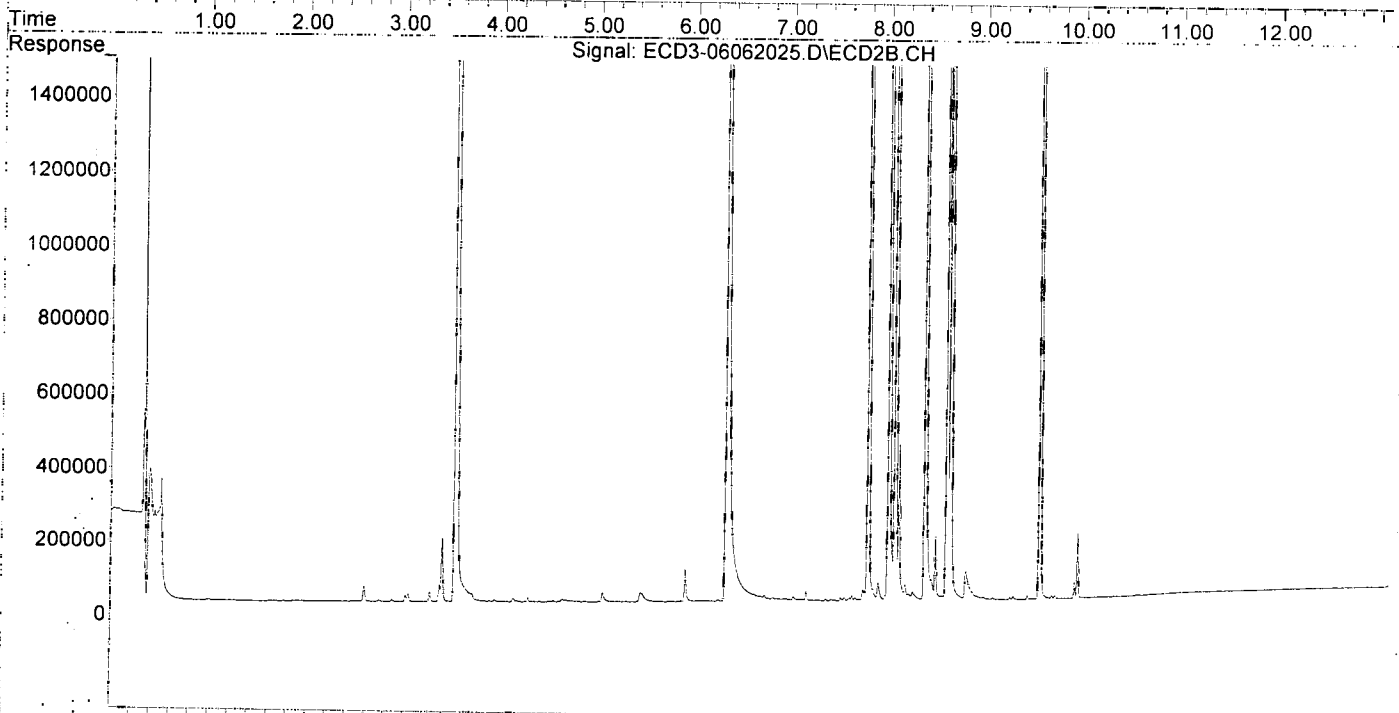
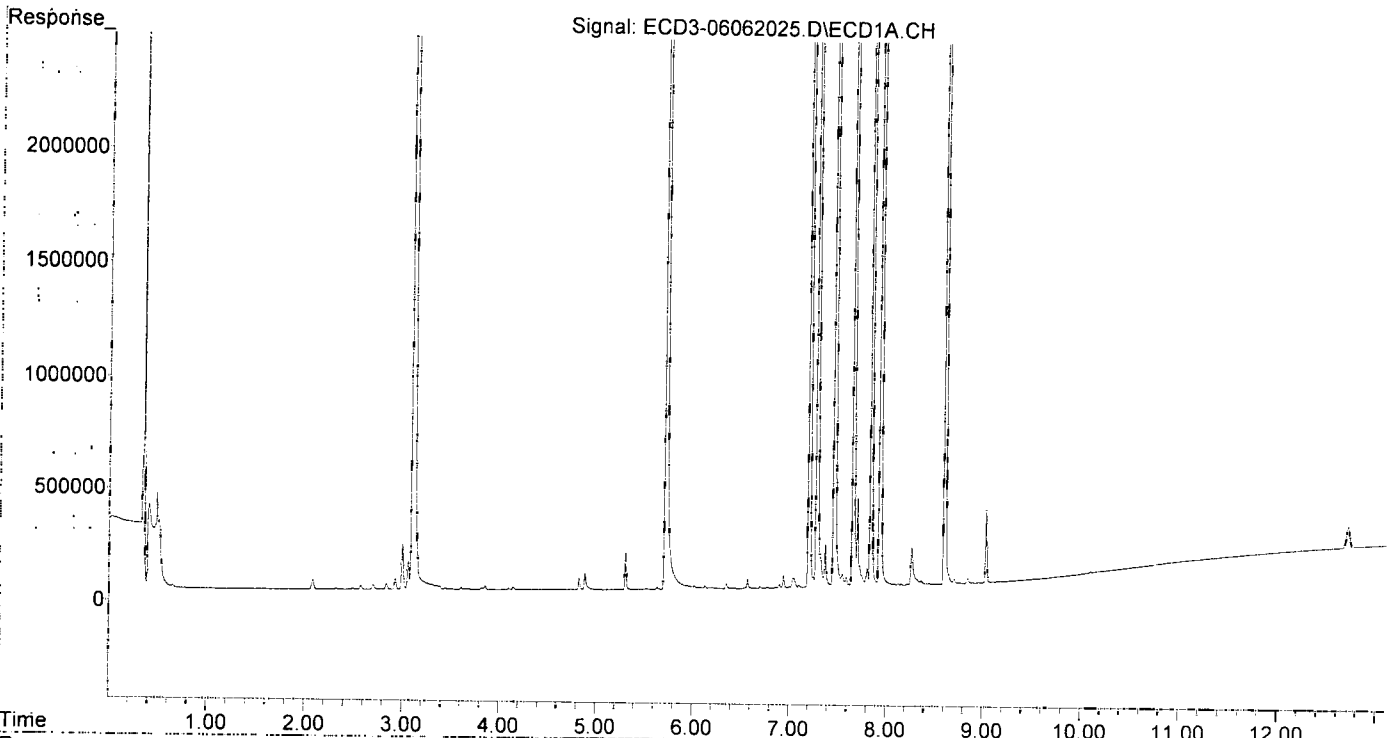
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.305f	0.000	163504	0	1.094	N.D. #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.129f	6.817f	9288	3005	0.050	0.027 #
4) b-BHC	0.000	6.817f	0	3005	N.D.	0.067 #
5) Heptachlor	6.569	7.161	40880	23711	0.246	0.240
6) d-BHC	6.350f	0.000	21171	0	0.127	N.D. #
7) Aldrin	0.000	7.420	0	2835	N.D.	0.024 #
8) Heptachlo...	7.281	7.850	9968822	29350	61.622	0.278 #
9) trans-Chl...	7.371	8.008	187425	6334849	1.100	58.610 #
10) cis-Chlor...	7.461	8.118	15442686	417137	95.942	3.862 #
11) Endosulfa...	7.569	8.184	26137	39229	0.174	0.421 #
12) 4,4'-DDE	7.549	8.260f	55682	19894	0.341	0.213
13) Dieldrin	7.726	8.383	90645	5350581	0.556	51.437 #
14) Endrin	7.935f	8.607	16454724	4947600	127.485	64.888 #
15) 4,4'-DDD	7.935f	8.643	16454724	10499344	126.920	145.185
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	8.159	0.000	6816	0	0.028	N.D. #
18) Endrin Al...	8.365	0.000	14712	0	6984.956	N.D. #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.844	9.565	19260	6266397	0.140	77.994 #
23) Hexachlor...	3.107	3.530	16268570	12713818	99.493	98.205
24) Hexachlor...	5.716	6.329	14148016	7079413	97.251	101.348
25) Oxychlorane	7.203	7.798	12997617	8374663	100.448	100.510
26) 2,4'-DDE	7.281	8.008	9968822	6334849	99.521	100.897
27) trans-Non...	7.461	8.075	15442686	9912921	101.300	101.309
28) 2,4'-DDD	7.657	8.383	8703874	5350581	95.091	99.477
29) 2,4'-DDT	7.841	8.607	8017136	4947600	103.927	109.115
30) cis-Nonac...	7.935	8.643	16454724	10499344	94.290	99.585
31) Mirex	8.603	9.565	9690009	6266397	98.547	99.150
32) Chlordane...	7.371	8.008	187425	6334849	10.430	504.918 #
33) Chlordane...	7.461	8.118	15442686	417137	697.078	38.943 #
34) Chlordane...	0.000	8.809f	0	71536	N.D.	23.559 #
35) Chlordane...	0.000	3.942	0	4452	N.D.	NoCal
36) Toxaphene...	7.461	8.383f	15442686	5350581	20860.775	5708.675 #
37) Toxaphene...	7.726	0.000	90645	0	66.677	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.264f	8.809	162257	71536	53.216	5.794 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.603	0.000	9690009	0	3490.631	N.D. #
42) Toxaphene...	0.000	3.942	0	4452	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 22:21
Operator : MJB
Sample : 0F06006-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:13:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 22:38
 Operator : MJB
 Sample : 0F06006-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:13:41 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/8/20*

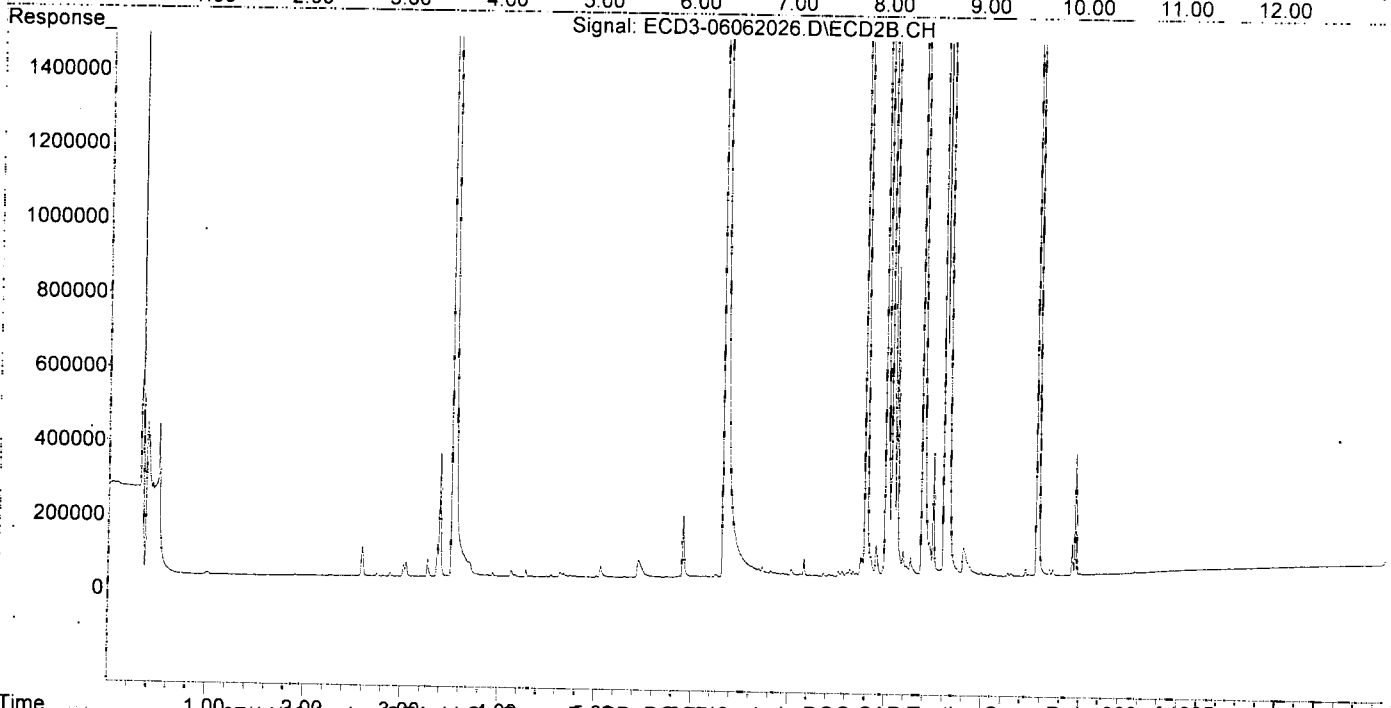
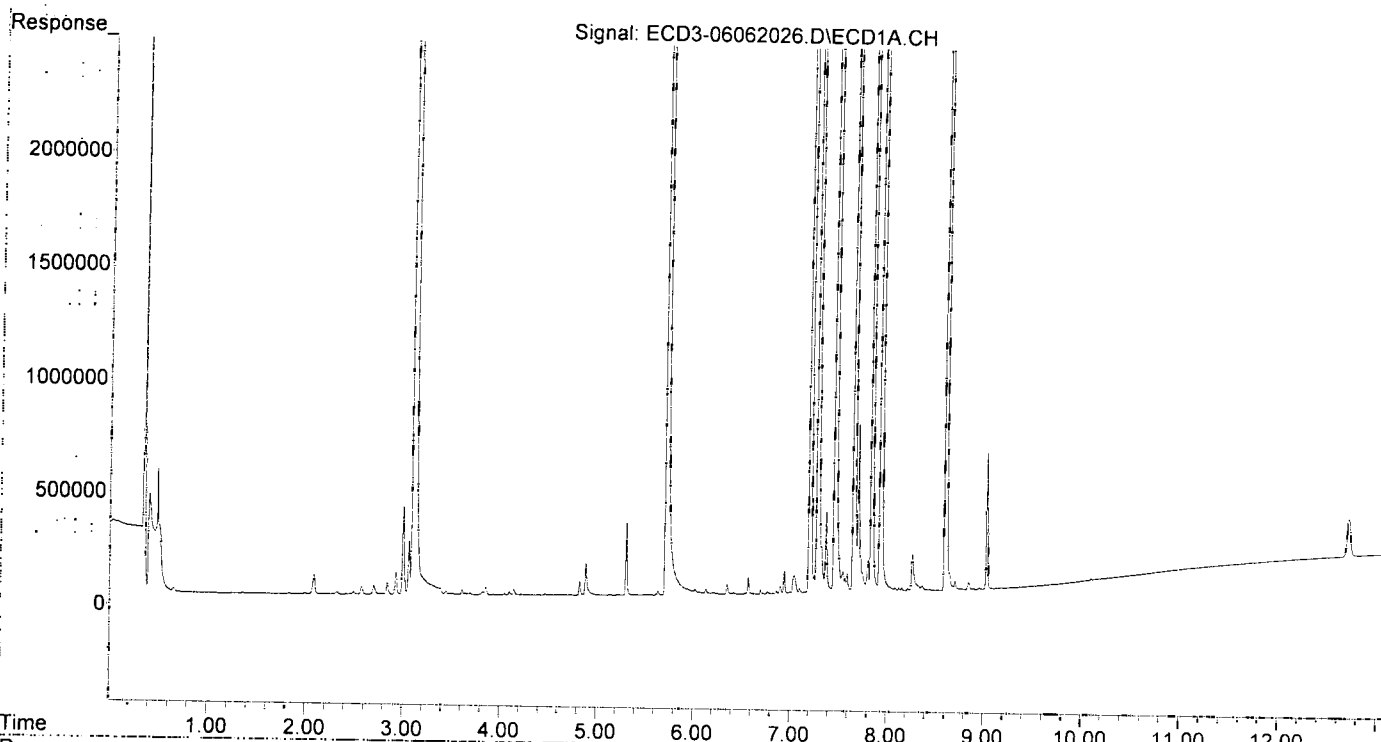
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.305f	0.000	321187	0	2.148	N.D.	#
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
Target Compounds							
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3) g-BHC	6.129f	6.816f	15916	6496	0.086	0.058	
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5) Heptachlor	6.569	7.161	73860	45971	0.444	0.466	
6) d-BHC	6.349f	0.000	40588	0	0.243	N.D.	#
7) Aldrin	0.000	7.420	0	5359	N.D.	0.045	#
8) Heptachlo...	7.281	7.851	20534460	54318	126.932	0.515	#
9) trans-Chl...	7.370	8.007	366256	13059196	2.150	120.825	#
10) cis-Chlor...	7.461	8.117	31022070	826676	189.508	7.653	#
11) Endosulfa...	7.569	8.183	62191	68577	0.414	0.736	#
12) 4,4'-DDE	7.546	8.259f	91587	50574	0.561	0.542	
13) Dieldrin	7.703f	8.382	745702	11208779	4.570	107.755	#
14) Endrin	7.934f	8.606	32761054	9920731	253.821	130.112	#
15) 4,4'-DDD	7.934f	8.643	32761054	20801115	252.696	287.638	
16) Endosulfa...	8.087f	0.000	13958	0	0.109	N.D.	#
17) 4,4'-DDT	8.157	8.876	14021	24299	0.105	0.344	#
18) Endrin Al...	8.363	8.991	20006	9728	6984.904	BelowCal	#
19) Endosulfa...	8.645	0.000	76136	0	0.607	N.D.	#
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.845	9.565	29707	12528274	0.215	155.931	#
23) Hexachlor...	3.108	3.530	33588253	24641154	203.327	206.191	
24) Hexachlor...	5.716	6.328	29573736	15255362	203.285	197.152	
25) Oxychlorane	7.202	7.798	26298901	16502103	202.317	200.929	
26) 2,4'-DDE	7.281	8.007	20534460	13059196	201.268	197.637	
27) trans-Non...	7.461	8.074	31022070	19162793	199.180	199.347	
28) 2,4'-DDD	7.656	8.382	18019697	11208779	196.867	201.129	
29) 2,4'-DDT	7.840	8.606	15993478	9920731	207.326	218.793	
30) cis-Nonac...	7.934	8.643	32761054	20801115	187.729	200.358	
31) Mirex	8.603	9.565	20029588	12528274	205.078	203.418	
32) Chlordane...	7.370	8.007	366256	13059196	20.381	1040.881	#
33) Chlordane...	7.461	8.117	31022070	826676	1400.326	77.177	#
34) Chlordane...	0.000	8.808f	0	76300	N.D.	25.128	#
35) Chlordane...	0.000	3.941	0	8587	N.D.	NoCal	
36) Toxaphene...	7.461	8.382f	31022070	11208779	41906.211	11958.940	#
37) Toxaphene...	7.703f	0.000	745702	0	548.528	N.D.	#
38) Toxaphene...	8.087f	0.000	13958	0	4.953	N.D.	#
39) Toxaphene...	8.264f	8.808	161644	76300	52.965	7.873	#
40) Toxaphene...	0.000	8.991	0	9728	N.D.	1.908	#
41) Toxaphene...	8.603	0.000	20029588	0	7215.255	N.D.	#
42) Toxaphene...	0.000	3.941	0	8587	N.D.	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 22:38
Operator : MJB
Sample : 0F06006-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:13:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 23:29
 Operator : MJB
 Sample : 0F06006-CALJ
 Misc : A20F083, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:14:26 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

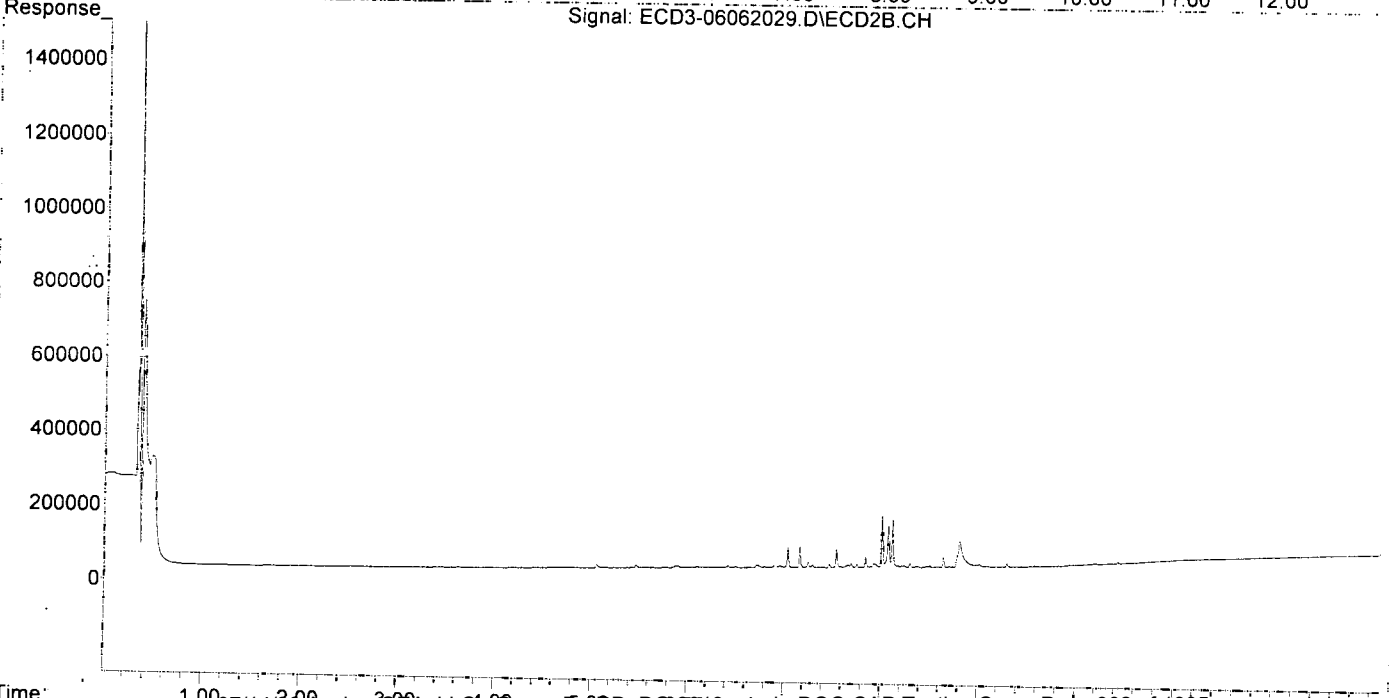
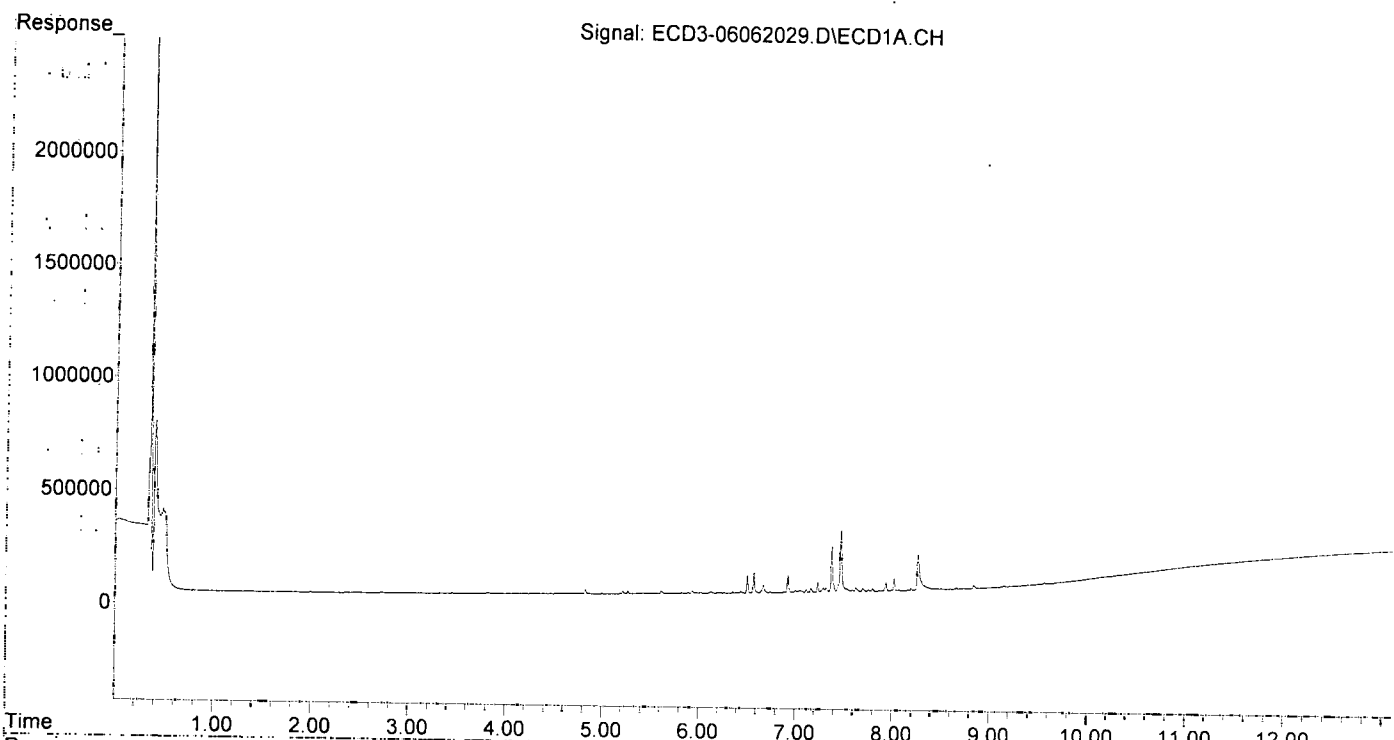
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	5.874	0	5269	N.D.	BelowCal
22) S DCBP (S)	9.562	10.430	6698	3570	30098.500	8152.113 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.128f	0.000	6454	0	0.035	N.D. #
4) b-BHC	0.000	6.890f	0	4283	N.D.	0.095 #
5) Heptachlor	6.569	7.162	90765	55239	0.546	0.560 #
6) d-BHC	6.350f	0.000	6446	0	0.039	N.D. #
7) Aldrin	0.000	7.467f	0	8270	N.D.	0.069 #
8) Heptachlo...	7.288	7.840f	17541	28007	0.108	0.265 #
9) trans-Chl...	7.373	8.011	197378	138615	1.159	1.282
10) cis-Chlor...	7.468	8.119	273425	126750	1.415	1.173
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.755	0.000	6321	0	0.039	N.D. #
14) Endrin	7.935f	0.000	37133	0	0.288	N.D. #
15) 4,4'-DDD	7.935f	8.644	37133	26644	0.286	0.368
16) Endosulfa...	8.067	8.783f	4500	32858	0.035	0.413 #
17) 4,4'-DDT	8.193f	0.000	9217	0	0.054	N.D. #
18) Endrin Al...	8.371	9.014f	5427	6130	6985.048	BelowCal #
19) Endosulfa...	8.662	0.000	3965	0	0.032	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.839	9.576	12928	2611	0.094	0.033 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlordan	7.229f	0.000	43076	0	0.152	N.D. #
26) 2,4'-DDE	7.288	8.011	17541	138615	0.001	2.025 #
27) trans-Non...	7.468	8.076	273425	110763	1.372	0.781 #
28) 2,4'-DDD	7.623f	0.000	17151	0	0.187	N.D. #
29) 2,4'-DDT	0.000	8.644f	0	26644	N.D.	0.588 #
30) cis-Nonac...	7.935	8.644	37133	26644	0.213	0.068 #
31) Mirex	0.000	9.576	0	2611	N.D.	4425.092 #
32) Chlordane...	7.373	8.011	197378	138615	10.984	11.048 #
33) Chlordane...	7.468	8.119	273425	126750	12.342	11.833 #
34) Chlordane...	8.019	8.783	54093	32858	10.772	10.821 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.440	0.000	32253	0	43.569	N.D. #
37) Toxaphene...	7.755	8.702	6321	3299	4.650	2.896
38) Toxaphene...	8.067	8.702f	4500	3299	1.597	1.967
39) Toxaphene...	8.264f	8.783	155007	32858	50.249	BelowCal #
40) Toxaphene...	0.000	9.014f	0	6130	N.D.	BelowCal
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 23:29
Operator : MJB
Sample : 0F06006-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:14:26 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 23:47
 Operator : MJB
 Sample : 0F06006-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:14:46 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

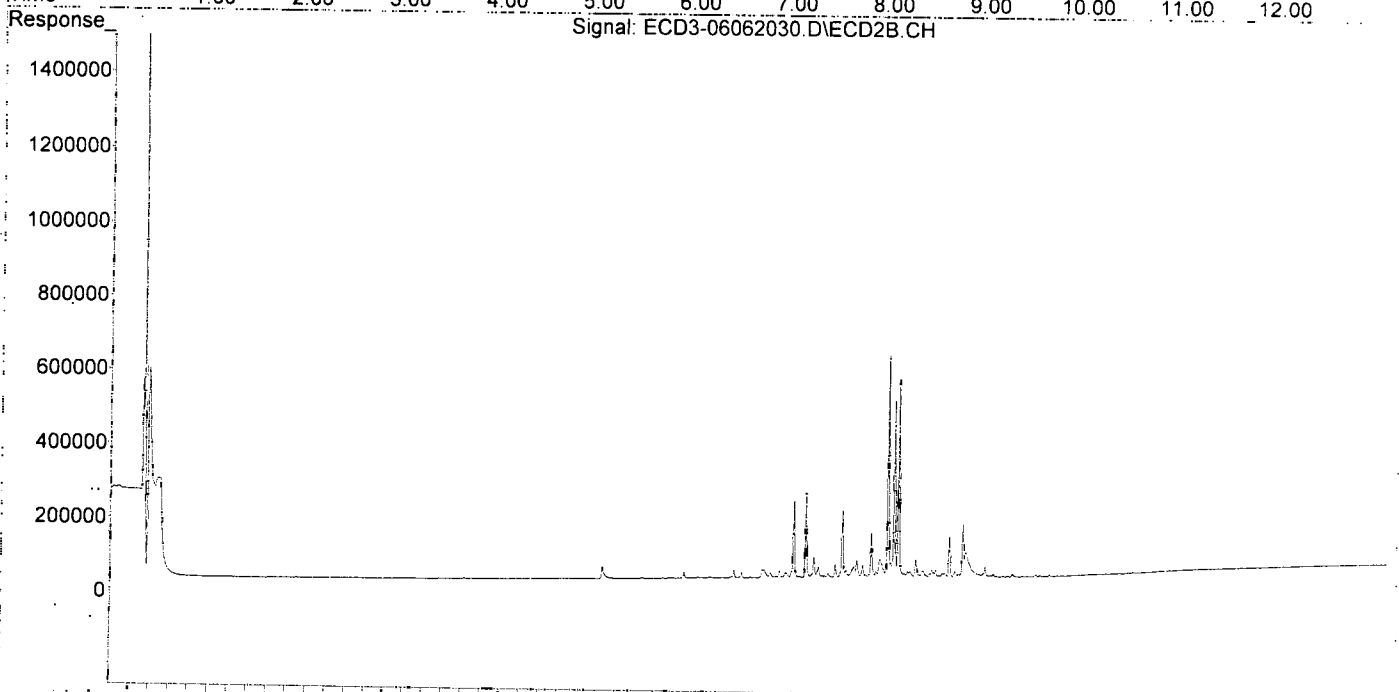
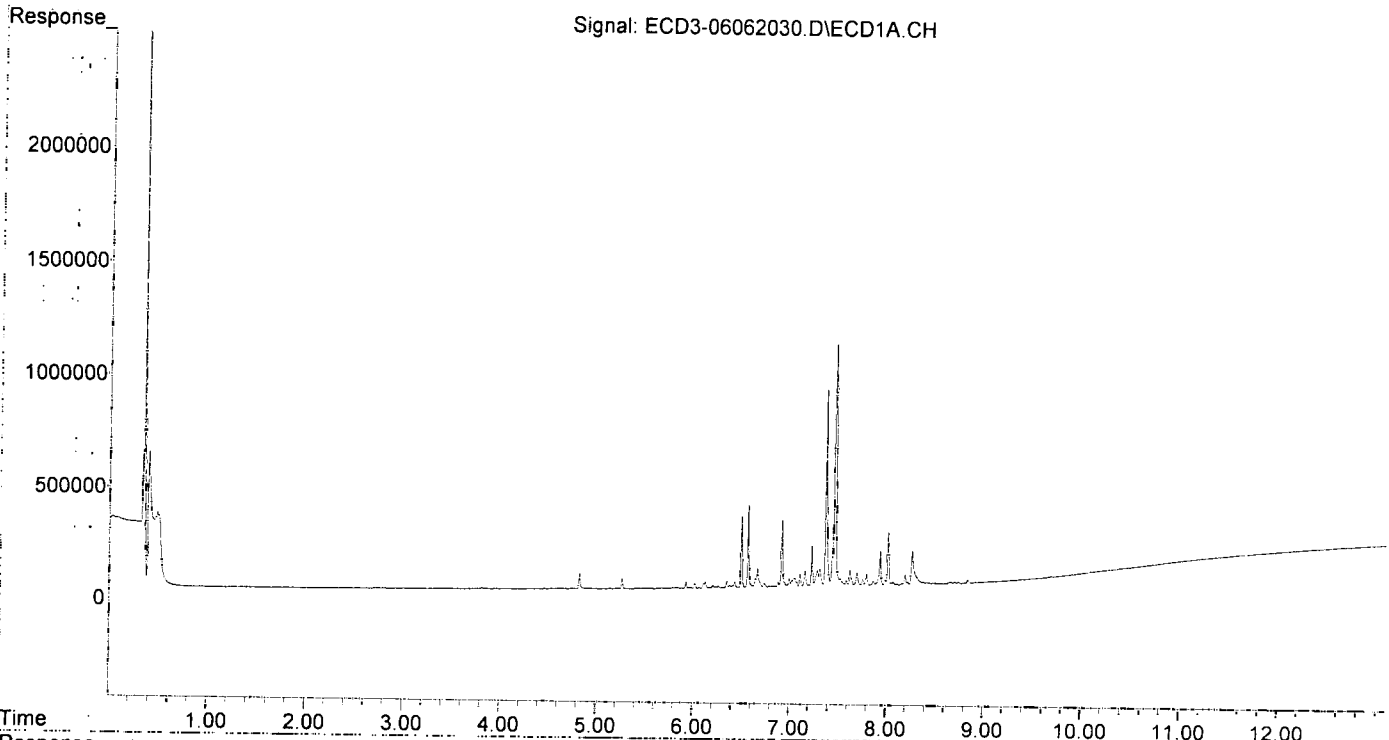
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	6.496f	0	15039	N.D.	0.121 #
3) g-BHC	6.128f	6.797	27484	11698	0.148	0.105
4) b-BHC	6.207f	6.889f	12540	17196	0.159	0.382 #
5) Heptachlor	6.570	7.161	370724	225249	2.228	2.284
6) d-BHC	6.378	0.000	9309	0	0.056	N.D. #
7) Aldrin	0.000	7.394f	0	9691	N.D.	0.081 #
8) Heptachlo...	7.287	7.888	69495	14767	0.430	0.140 #
9) trans-Chl...	7.373	8.010	879956	595239	5.165	5.507
10) cis-Chlor...	7.468	8.119	1079806	528608	6.531	4.893
11) Endosulfa...	7.587f	0.000	21998	0	0.147	N.D. #
12) 4,4'-DDE	7.524	8.240	30535	15144	0.187	0.162
13) Dieldrin	7.754	8.377	27208	15669	0.167	0.151
14) Endrin	7.935f	8.595	151266	10638	1.172	0.140 #
15) 4,4'-DDD	7.935f	8.643	151266	110406	1.167	1.527
16) Endosulfa...	8.069	8.735	9877	8983	0.077	0.113 #
17) 4,4'-DDT	8.162	0.000	3664	0	BelowCal	N.D.
18) Endrin Al...	8.321f	9.013f	22339	27734	0.013	0.241 #
19) Endosulfa...	8.663	0.000	8566	0	0.068	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.839	9.576	12419	3397	0.090	0.042 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.703	0.000	1982	0	0.014	N.D. #
25) Oxychlordane	7.229f	7.814	179890	7508	1.217	7645.562 #
26) 2,4'-DDE	7.287	8.010	69495	595239	0.530	9.702 #
27) trans-Non...	7.468	8.075	1079806	472739	6.810	4.436
28) 2,4'-DDD	7.623f	8.377	68721	15669	0.751	0.113 #
29) 2,4'-DDT	7.866f	8.595	16127	10638	0.209	0.235
30) cis-Nonac...	7.935	8.643	151266	110406	0.867	0.853
31) Mirex	0.000	9.576	0	3397	N.D.	4425.080 #
32) Chlordane...	7.373	8.010	879956	595239	48.967	47.443
33) Chlordane...	7.468	8.119	1079806	528608	48.742	49.350
34) Chlordane...	8.018	8.782	233743	140836	46.547	46.382
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.439	8.377f	132269	15669	178.676	16.718 #
37) Toxaphene...	7.754	8.702	27208	14675	20.014	12.883
38) Toxaphene...	8.047	8.735	6553	8983	2.325	5.357 #
39) Toxaphene...	8.321f	8.811	22339	66191	BelowCal	3.459
40) Toxaphene...	0.000	9.013f	0	27734	N.D.	14.253 #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 23:47
Operator : MJB
Sample : 0F06006-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:14:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:04
 Operator : MJB
 Sample : 0F06006-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:14:57 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

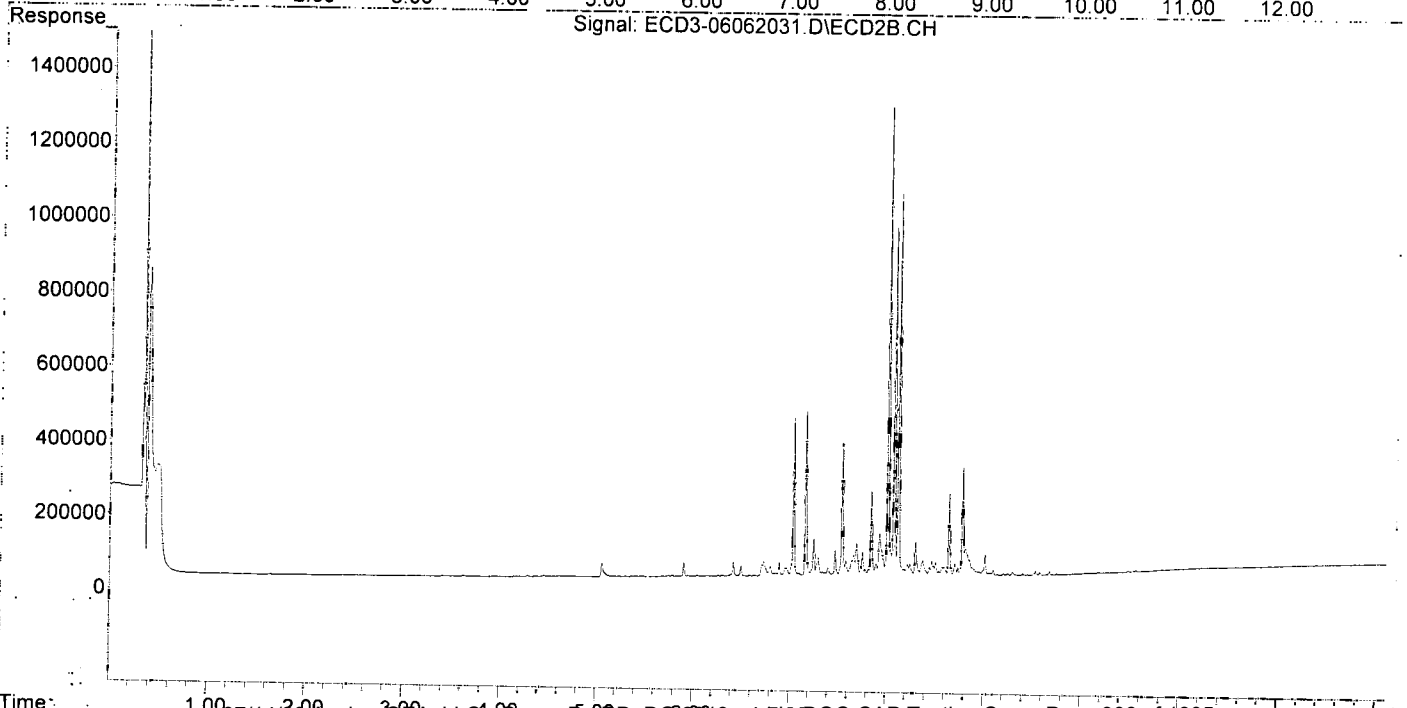
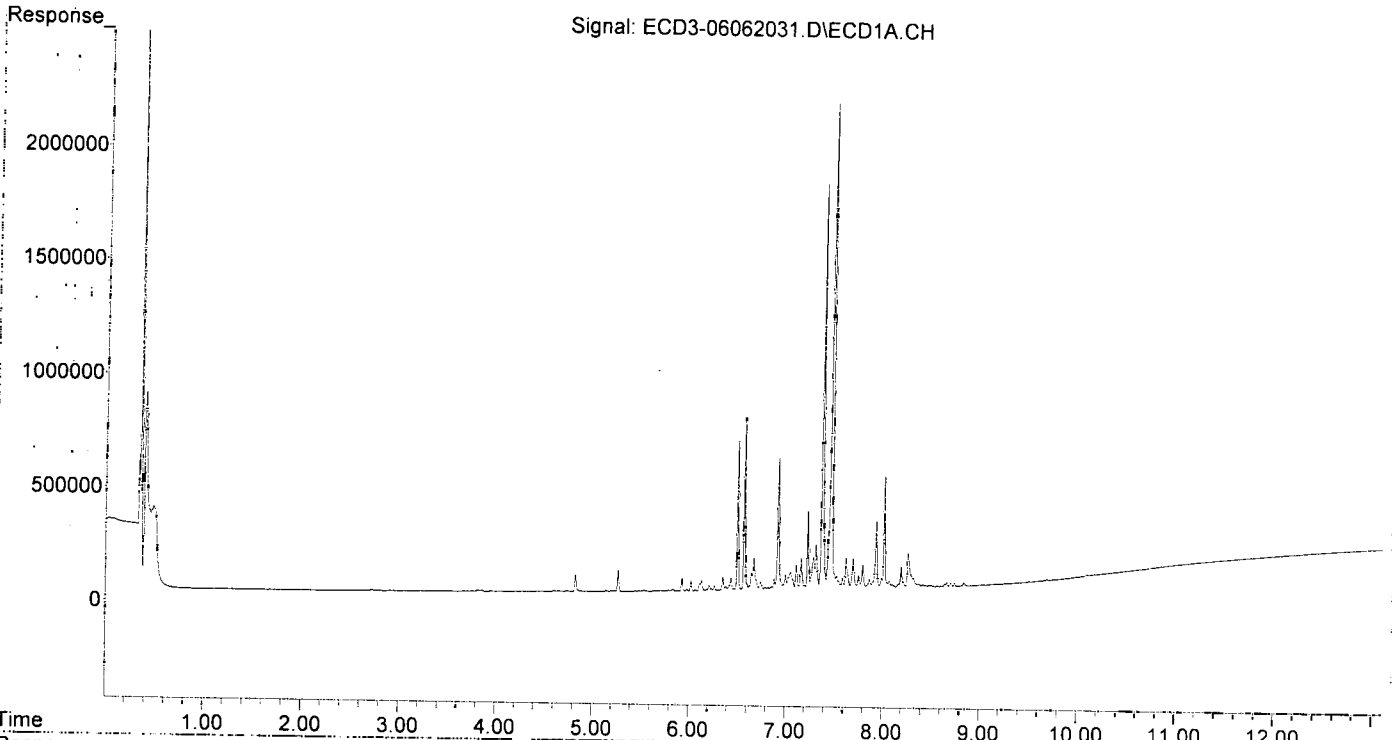
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S DCBP (S)	9.568	0.000	1946	0	30098.543	N.D.	#
Target Compounds							
2) a-BHC	5.833f	6.496f	5854	27464	0.027	0.221	#
3) g-BHC	6.128f	6.797	45710	21518	0.246	0.193	
4) b-BHC	6.233	6.889f	8403	33555	0.106	0.744	#
5) Heptachlor	6.569	7.161	753690	439908	4.530	4.461	
6) d-BHC	6.378	0.000	13768	0	0.082	N.D.	#
7) Aldrin	6.816	7.393f	6922	19751	0.038	0.165	#
8) Heptachlo...	7.287	7.889	139339	30539	0.861	0.289	#
9) trans-Chl...	7.373	8.010	1782194	1253287	10.461	11.595	
10) cis-Chlor...	7.468	8.118	2137781	1022562	13.228	9.466	
11) Endosulfa...	7.587f	0.000	45054	0	0.300	N.D.	#
12) 4,4'-DDE	7.524	8.238	53944	30145	0.331	0.323	
13) Dieldrin	7.754	8.372	54532	39303	0.334	0.378	
14) Endrin	7.934f	8.594	296933	21904	2.301	0.287	#
15) 4,4'-DDD	7.934f	8.644	296933	218699	2.290	3.024	
16) Endosulfa...	8.070	8.734	27534	19691	0.215	0.248	
17) 4,4'-DDT	8.193f	0.000	90747	0	0.930	N.D.	#
18) Endrin Al...	8.321f	9.013f	40016	54687	0.187	0.648	#
19) Endosulfa...	8.663	9.203f	17988	4572	0.143	0.065	#
20) Methoxychlor	8.505	0.000	6898	0	0.131	N.D.	#
21) Endrin Ke...	8.839	9.576	13509	6983	0.098	0.087	
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24) Hexachlor...	5.702	0.000	3851	0	0.026	N.D.	#
25) Oxychlordan	7.198	7.813	13105	15801	BelowCal	7645.464	
26) 2,4'-DDE	7.287	8.010	139339	1253287	1.242	20.645	#
27) trans-Non...	7.468	8.074	2137781	932115	13.922	9.080	
28) 2,4'-DDD	7.622f	8.372	134194	39303	1.466	0.569	#
29) 2,4'-DDT	7.864f	8.594	37517	21904	0.486	0.483	
30) cis-Nonac...	7.934	8.644	296933	218699	1.702	1.868	
31) Mirex	8.642f	9.576	10744	6983	20727.526	4425.024	#
32) Chlordane...	7.373	8.010	1782194	1253287	99.174	99.893	
33) Chlordane...	7.468	8.118	2137781	1022562	96.499	95.465	
34) Chlordane...	8.018	8.781	490632	290670	97.703	95.727	
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.439	8.372f	259179	39303	350.112	41.933	#
37) Toxaphene...	7.754	8.701	54532	31124	40.113	27.323	
38) Toxaphene...	8.047	8.734	20553	19691	7.293	11.741	#
39) Toxaphene...	8.321f	8.810	40016	69069	2.988	4.716	#
40) Toxaphene...	8.505f	9.013f	6898	54687	3.496	32.676	#
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:04
Operator : MJB
Sample : 0F06006-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:14:57 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:21
 Operator : MJB
 Sample : 0F06006-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:15:10 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
bkl/2

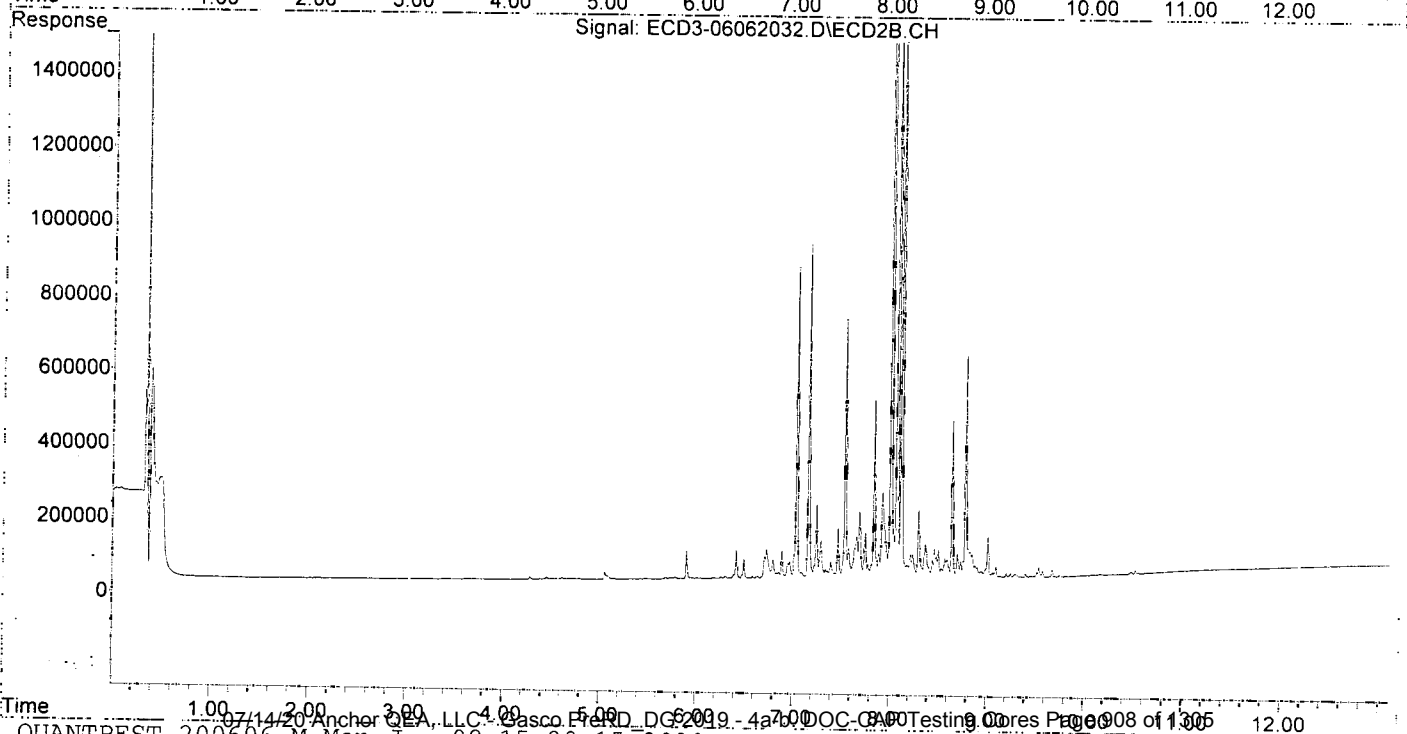
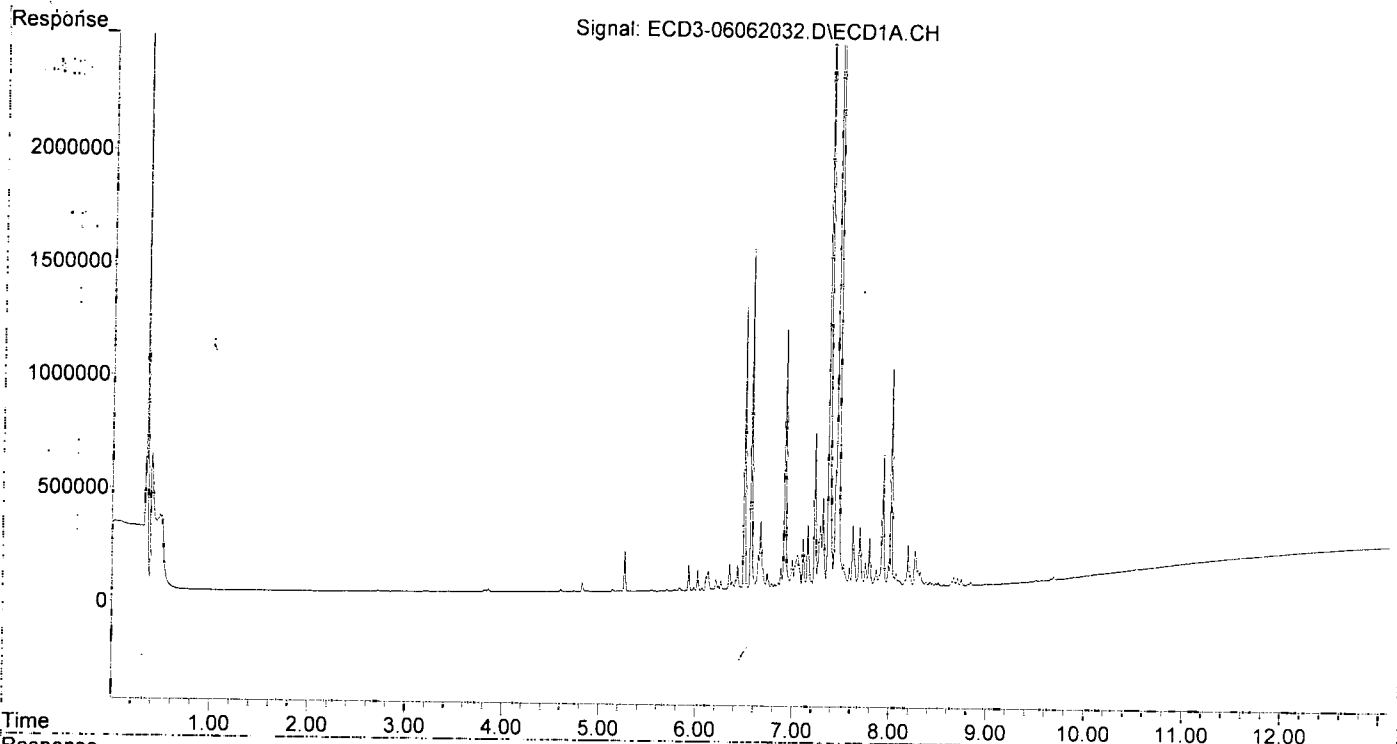
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.567	0.000	4709	0	30098.518	N.D. #
Target Compounds						
2) a-BHC	5.833f	6.495f	12268	51888	0.058	0.418 #
3) g-BHC	6.128f	6.797	86317	49147	0.465	0.441
4) b-BHC	6.233	6.857	20684	15268	0.262	0.339
5) Heptachlor	6.570	7.162	1503378	894975	9.036	9.076
6) d-BHC	6.377	0.000	36386	0	0.218	N.D. #
7) Aldrin	6.816	7.394f	22302	42392	0.122	0.355 #
8) Heptachlo...	7.287	7.889	278696	64671	1.723	0.613 #
9) trans-Chl...	7.373	8.009	3480264	2482181	20.428	22.965
10) cis-Chlor...	7.468	8.118	4312810	2089429	26.938	19.342
11) Endosulfa...	7.588f	8.181	89737	32551	0.598	0.349 #
12) 4,4'-DDE	7.526	8.239	106364	61910	0.652	0.664
13) Dieldrin	7.755	8.370	111745	88766	0.685	0.853
14) Endrin	7.935f	8.594	579521	47651	4.490	0.625 #
15) 4,4'-DDD	7.935f	8.644	579521	420481	4.470	5.814
16) Endosulfa...	8.070	8.734	59982	42160	0.469	0.530
17) 4,4'-DDT	8.162	8.881	29584	29820	0.273	0.461 #
18) Endrin Al...	8.380f	9.012f	20195	106154	6984.903	1.426 #
19) Endosulfa...	8.665	9.203f	36131	9120	0.288	0.130 #
20) Methoxychlor	8.506	9.400f	13557	8228	0.257	0.263
21) Endrin Ke...	8.840	9.575	13353	14773	0.097	0.184 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.702	6.302f	6534	4884	0.045	BelowCal #
25) Oxychlorane	7.199	7.812	33324	35816	0.076	0.220 #
26) 2,4'-DDE	7.287	8.009	278696	2482181	2.662	40.720 #
27) trans-Non...	7.468	8.074	4312810	1849646	28.465	18.377
28) 2,4'-DDD	7.624f	8.370	274364	88766	2.997	1.525 #
29) 2,4'-DDT	7.865f	8.594	79572	47651	1.031	1.051
30) cis-Nonac...	7.935	8.644	579521	420481	3.321	3.760
31) Mirex	8.643f	9.575	20035	14773	20727.431	4424.903 #
32) Chlordane...	7.373	8.009	3480264	2482181	193.667	197.842 #
33) Chlordane...	7.468	8.118	4312810	2089429	194.679	195.066 #
34) Chlordane...	8.019	8.782	962510	593414	191.671	195.431 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.468f	8.370f	4312810	88766	5825.967	94.707 #
37) Toxaphene...	7.755	8.701	111745	63838	82.198	56.041
38) Toxaphene...	8.048	8.734	44111	42160	15.653	25.140 #
39) Toxaphene...	8.297	8.810	70678	75069	15.628	7.336 #
40) Toxaphene...	8.506f	9.012f	13557	106154	6.872	67.671 #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:21
Operator : MJB
Sample : 0F06006-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:15:10 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:38
 Operator : MJB
 Sample : 0F06006-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:15:20 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

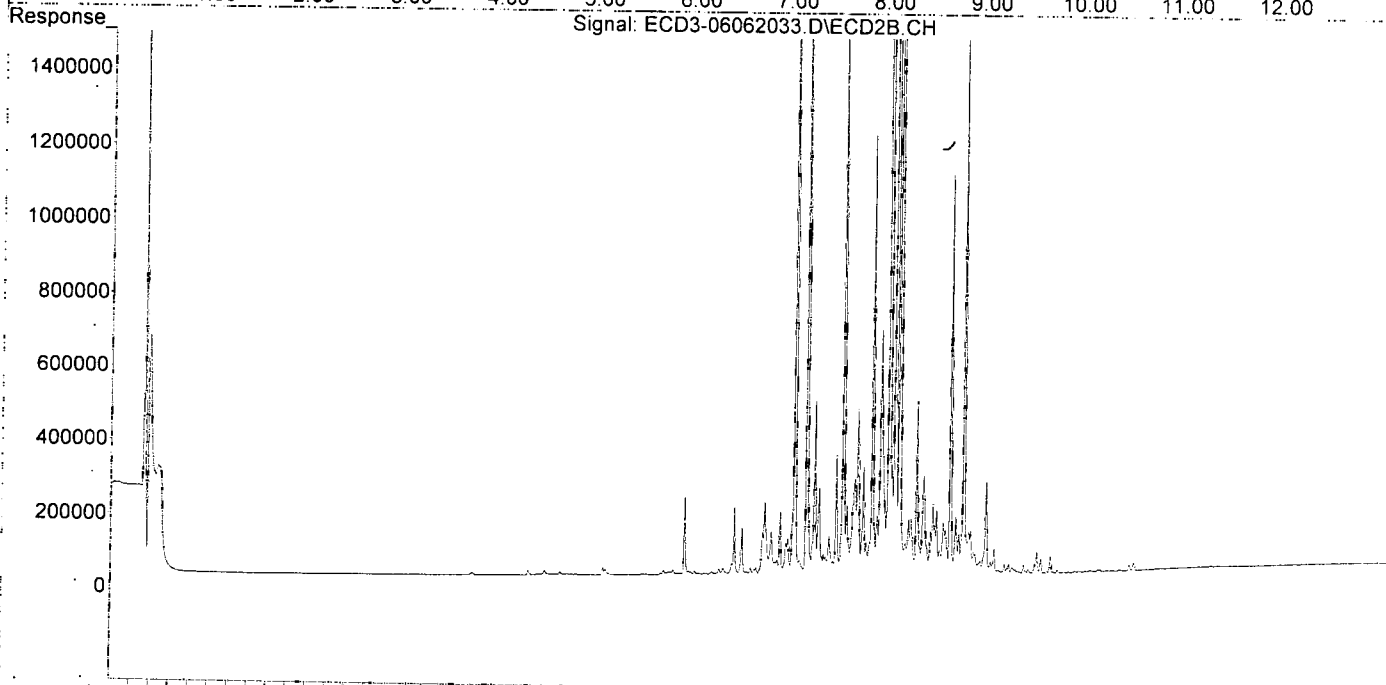
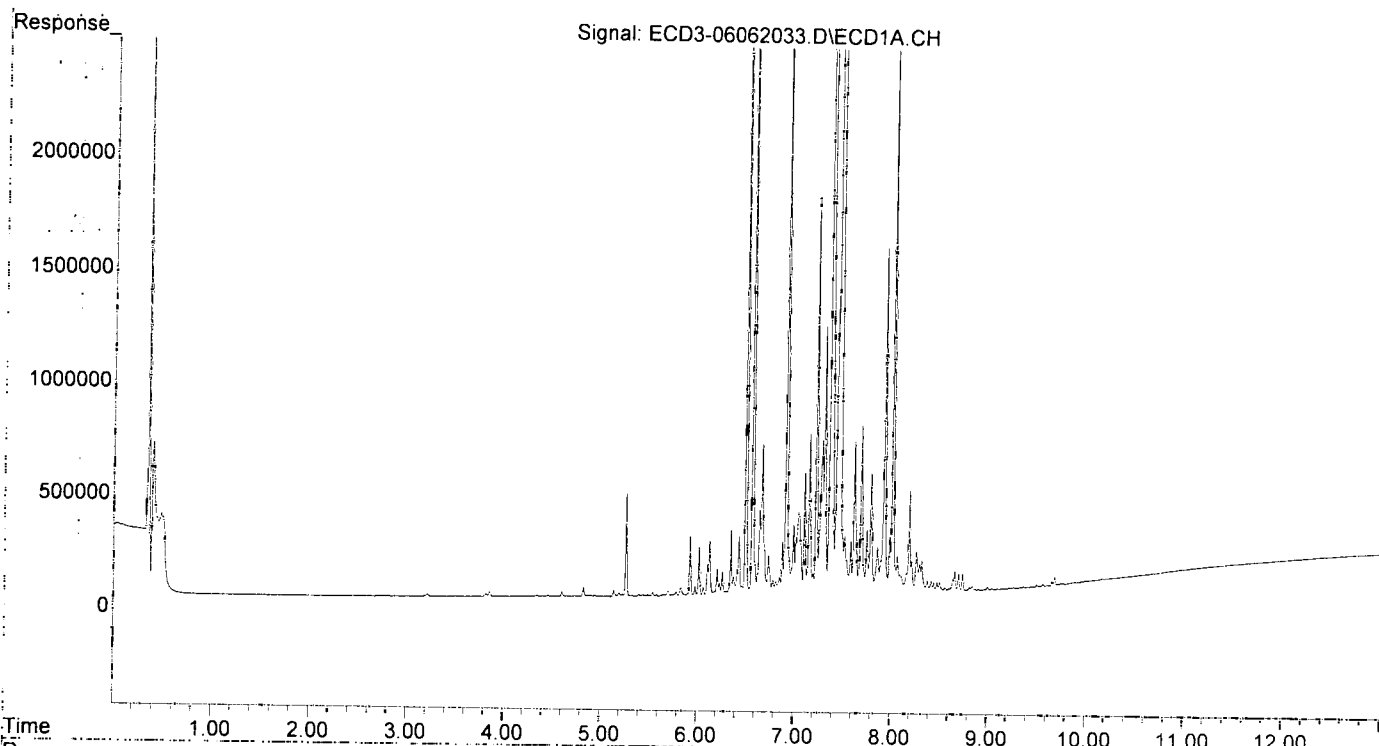
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S DCBP (S)	9.567	0.000	10793	0	30098.464	N.D.	#
Target Compounds							
2) a-BHC	5.903f	6.495f	10218	122930	0.048	0.990	#
3) g-BHC	6.128f	6.796	241322	113755	1.301	1.020	
4) b-BHC	6.232	6.857	53786	35489	0.681	0.787	
5) Heptachlor	6.569	7.161	3620805	2293628	21.764	23.260	
6) d-BHC	6.376	7.091f	79810	33587	0.478	0.385	
7) Aldrin	6.816	7.435	57671	30950	0.314	0.259	
8) Heptachlo...	7.287	7.889	685945	154319	4.240	1.462	#
9) trans-Chl...	7.372	8.009	8664231	6394408	50.857	59.161	
10) cis-Chlor...	7.468	8.118	10418946	5336806	65.030	49.404	
11) Endosulfa...	7.587f	8.182	225566	78161	1.502	0.839	#
12) 4,4'-DDE	7.525	8.239	248508	144452	1.523	1.549	
13) Dieldrin	7.754	8.370	277025	259961	1.698	2.499	#
14) Endrin	7.897	8.594	141285	114192	1.095	1.498	
15) 4,4'-DDD	7.935f	8.643	1530562	1064624	11.806	14.722	
16) Endosulfa...	8.070	8.734	157879	103092	1.235	1.296	
17) 4,4'-DDT	8.193f	8.884	448635	53577	4.746	0.962	#
18) Endrin Al...	8.380f	9.013f	47143	246038	0.257	3.541	#
19) Endosulfa...	8.664	9.203f	87050	21172	0.694	0.302	#
20) Methoxychlor	8.506	0.000	36537	0	0.694	N.D.	#
21) Endrin Ke...	8.844	9.575	17372	36504	0.126	0.454	#
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24) Hexachlor...	5.702	6.301f	22722	13578	0.156	0.050	#
25) Oxychlordane	7.198	7.812	87744	85683	0.499	0.812	#
26) 2,4'-DDE	7.287	8.009	685945	6394408	6.806	101.797	#
27) trans-Non...	7.468	8.074	10418946	4588885	68.744	46.299	
28) 2,4'-DDD	7.622f	8.370	670131	259961	7.321	4.825	
29) 2,4'-DDT	7.864f	8.613	201159	66680	2.608	1.471	#
30) cis-Nonac...	7.935	8.643	1530562	1064624	8.771	9.807	
31) Mirex	8.600	9.575	8974	36504	20727.544	0.286	#
32) Chlordane...	7.372	8.009	8664231	6394408	482.140	509.665	
33) Chlordane...	7.468	8.118	10418946	5336806	470.308	498.237	
34) Chlordane...	8.018	8.782	2418815	1493877	481.674	491.982	
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.439	8.370f	1323765	259961	1788.210	277.359	#
37) Toxaphene...	7.754	8.701	277025	151773	203.776	133.236	
38) Toxaphene...	8.047	8.734	118827	103092	42.166	61.473	#
39) Toxaphene...	8.298	8.782	119706	1493877	35.781	567.695	#
40) Toxaphene...	8.506f	8.953f	36537	28611	18.521	14.854	
41) Toxaphene...	8.600	0.000	8974	0	3.233	N.D.	#
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:38
Operator : MJB
Sample : 0F06006-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:15:20 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:55
 Operator : MJB
 Sample : 0F06006-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:15:31 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

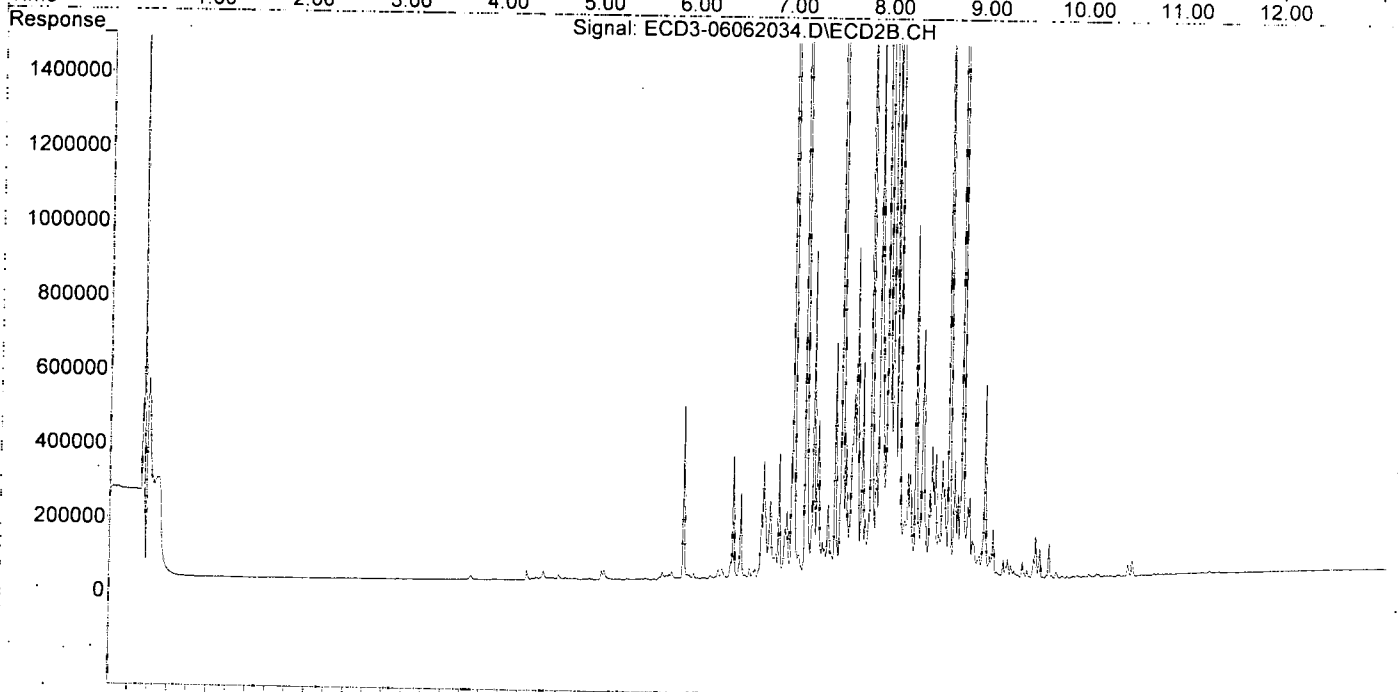
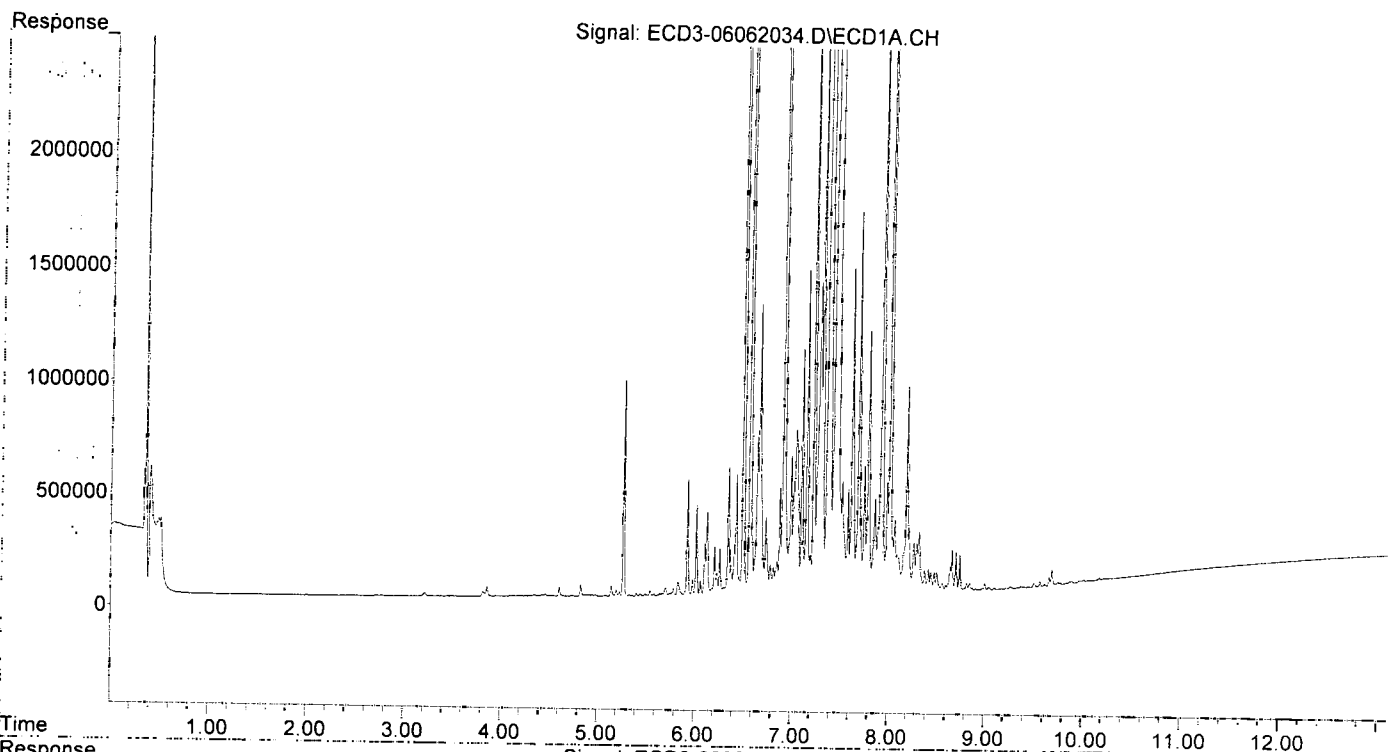
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.566	10.392f	22472	4640	0.035	8152.097 #
Target Compounds						
2) a-BHC	5.903f	6.495f	19243	229791	0.090	1.850 #
3) g-BHC	6.182f	6.796	28311	209893	0.153	1.882 #
4) b-BHC	6.232	6.858	98166	67950	1.243	1.508
5) Heptachlor	6.570	7.161	7457612	4744857	44.826	48.119
6) d-BHC	6.375	7.090f	130697	64971	0.783	0.745
7) Aldrin	6.816	7.436	116034	61949	0.632	0.519
8) Heptachlo...	7.286	7.888	1375194	313844	8.501	2.974 #
9) trans-Chl...	7.372	8.009	17599301	12224731	103.303	113.104
10) cis-Chlor...	7.467	8.118	20943278	10363226	129.365	95.935
11) Endosulfa...	7.586f	8.185	457847	156520	3.049	1.680 #
12) 4,4'-DDE	7.525	8.239	497115	281288	3.047	3.017
13) Dieldrin	7.753	8.371	558991	669701	3.426	6.438 #
14) Endrin	7.896	8.595	292997	240746	2.270	3.157
15) 4,4'-DDD	7.934f	8.643	2938631	2106760	22.667	29.132
16) Endosulfa...	8.069	8.758	322492	222625	2.522	2.799
17) 4,4'-DDT	8.193f	8.883	909042	102111	9.580	1.982 #
18) Endrin Al...	8.379f	9.013f	91309	520315	0.691	7.684 #
19) Endosulfa...	8.663	9.203f	176506	50769	1.406	0.724 #
20) Methoxychlor	8.506	9.399f	82160	46455	1.560	1.910
21) Endrin Ke...	8.847	9.575	28753	79165	0.208	0.985 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.703	6.302f	34934	26203	0.240	0.254
25) Oxychlorane	7.198	7.812	169730	175144	1.137	1.874 #
26) 2,4'-DDE	7.286	8.009	1375194	12224731	13.805	186.126 #
27) trans-Non...	7.467	8.074	20943278	9151052	136.374	93.376
28) 2,4'-DDD	7.622f	8.371	1432811	669701	15.654	12.693
29) 2,4'-DDT	7.864f	8.613	414260	140161	5.370	3.091 #
30) cis-Nonac...	7.934	8.643	2938631	2106760	16.839	19.611
31) Mirex	8.600	9.575	24091	79165	20727.390	0.948 #
32) Chlordane...	7.372	8.009	17599301	12224731	979.352	974.370
33) Chlordane...	7.467	8.118	20943278	10363226	945.373	967.496
34) Chlordane...	8.018	8.781	5125147	3082287	1020.603	1015.098
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.438	8.371f	2649483	669701	3579.058	714.522 #
37) Toxaphene...	7.753	8.701	558991	316256	411.186	277.630
38) Toxaphene...	8.047	8.734	242819	228784	86.165	136.422 #
39) Toxaphene...	8.298	8.781	211727	3082287	73.420	1097.280 #
40) Toxaphene...	8.506f	8.953f	82160	61416	41.647	37.265
41) Toxaphene...	8.600	0.000	24091	0	8.678	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:55
Operator : MJB
Sample # : 0F06006-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:15:31 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 1:12
 Operator : MJB
 Sample : 0F06006-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:15:43 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

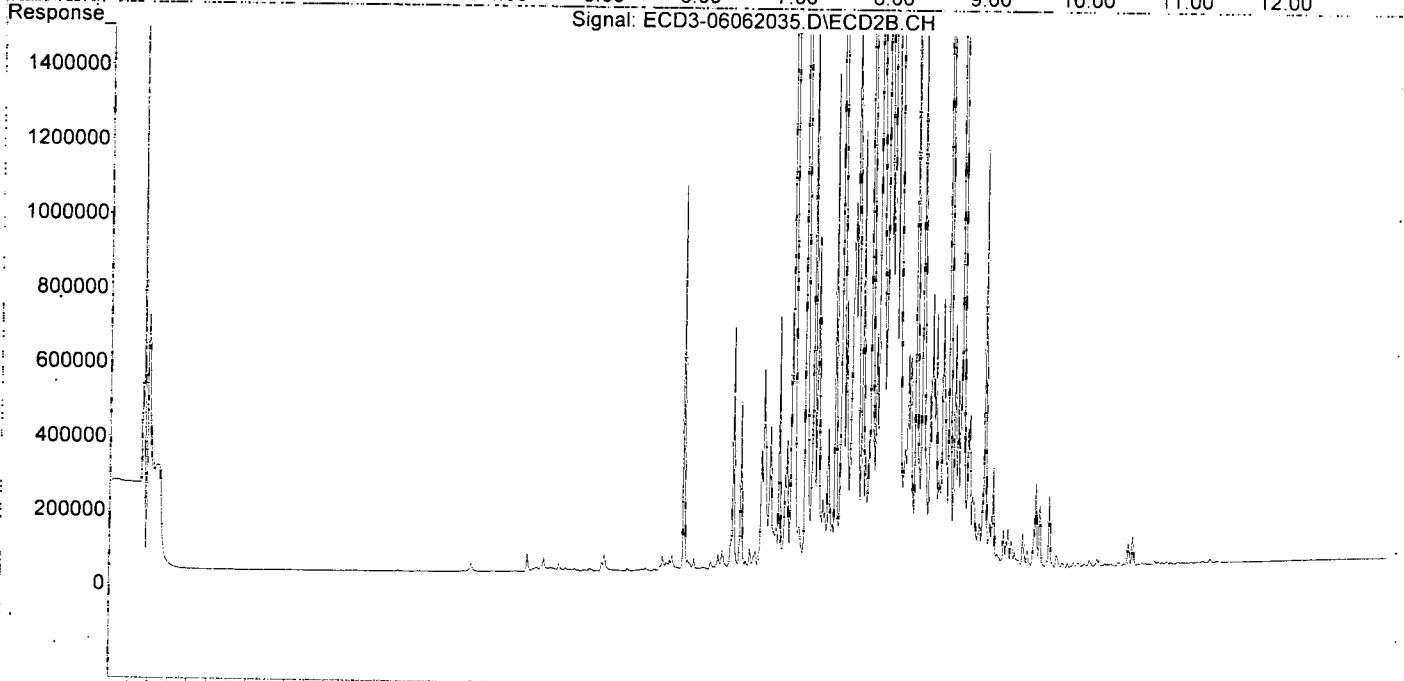
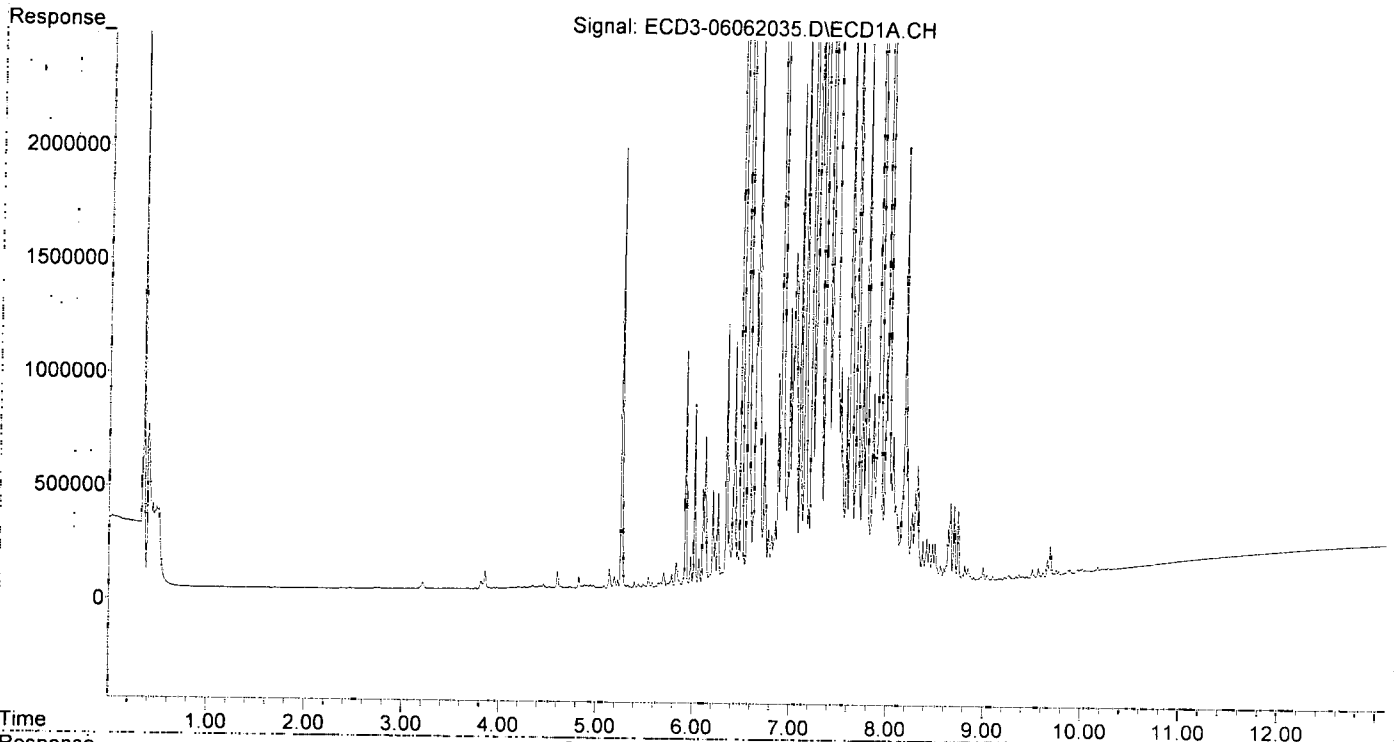
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.330	0.000	11765	0	0.079	N.D. #
22) S DCBP (S)	9.566	10.438	42213	3712	0.211	8152.111 #
Target Compounds						
2) a-BHC	5.879	6.494f	12948	447339	0.061	3.602 #
3) g-BHC	6.181f	6.796	50717	387060	0.273	3.471 #
4) b-BHC	6.231	6.856	193307	111093	2.447	2.465
5) Heptachlor	6.569	7.161	14490977	9297102	87.102	94.284
6) d-BHC	6.375	7.091f	244992	112294	1.467	1.288
7) Aldrin	6.815	7.434	222028	121748	1.210	1.020
8) Heptachlo...	7.285	7.888	2791233	625950	17.254	5.932 #
9) trans-Chl...	7.371	8.009	36608920	24201008	214.885	223.909
10) cis-Chlor...	7.466	8.117	42825162	20045841	258.246	185.570
11) Endosulfa...	7.585	8.186	912915	322243	6.080	3.458 #
12) 4,4'-DDE	7.543	8.239	532733	563626	3.265	6.045 #
13) Dieldrin	7.753	8.369	1135005	1537915	6.956	14.785 #
14) Endrin	7.895	8.592	594126	481137	4.603	6.310
15) 4,4'-DDD	7.934f	8.643	5856019	4254231	45.169	58.828
16) Endosulfa...	8.069	8.758	644913	459837	5.043	5.781
17) 4,4'-DDT	8.192f	8.883	1924025	194450	19.960	3.907 #
18) Endrin Al...	8.379f	9.012f	183686	1116932	1.599	16.684 #
19) Endosulfa...	8.663	9.203f	352925	102953	2.812	1.467 #
20) Methoxychlor	8.505	9.400f	168770	92110	3.205	3.858
21) Endrin Ke...	8.847	9.575	56608	166556	0.410	2.073 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.703	6.301f	62433	50435	0.429	0.646 #
25) Oxychlorane	7.197	7.811	335967	347168	2.431	3.917 #
26) 2,4'-DDE	7.285	8.009	2791233	24201008	28.124	340.678 #
27) trans-Non...	7.466	8.073	42825162	17573931	270.511	182.274
28) 2,4'-DDD	7.692f	8.369	3549071	1537915	38.774	29.211
29) 2,4'-DDT	7.863f	8.612	846766	286681	10.977	6.323 #
30) cis-Nonac...	7.934	8.643	5856019	4254231	33.556	39.901
31) Mirex	8.599	9.575	55909	166556	0.270	2.304 #
32) Chlordane...	7.371	8.009	36608920	24201008	2037.185	1928.937
33) Chlordane...	7.466	8.117	42825162	20045841	1933.114	1871.451
34) Chlordane...	8.017	8.781	10771894	6417620	2145.075	2113.532
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.436	8.369f	5297777	1537915	7156.510	1640.842 #
37) Toxaphene...	7.753	8.700	1135005	652596	834.894	572.891
38) Toxaphene...	8.046	8.733	486625	502018	172.681	299.349 #
39) Toxaphene...	8.297	8.781	398148	6417620	148.938	2018.287 #
40) Toxaphene...	8.505f	8.953f	168770	120498	85.550	77.382
41) Toxaphene...	8.599	0.000	55909	0	20.140	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 1:12
Operator : MJB
Sample : 0F06006-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:15:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:03
 Operator : MJB
 Sample : 0F06006-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:16:40 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

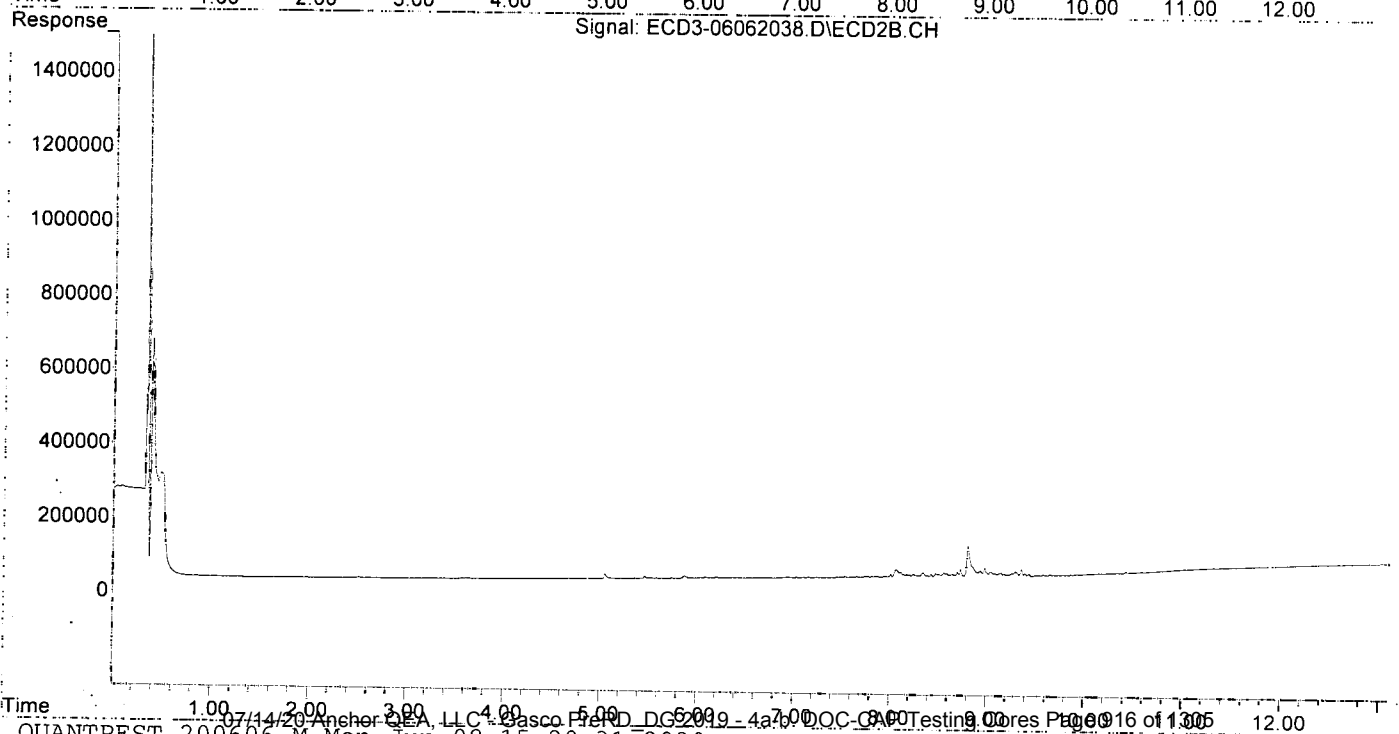
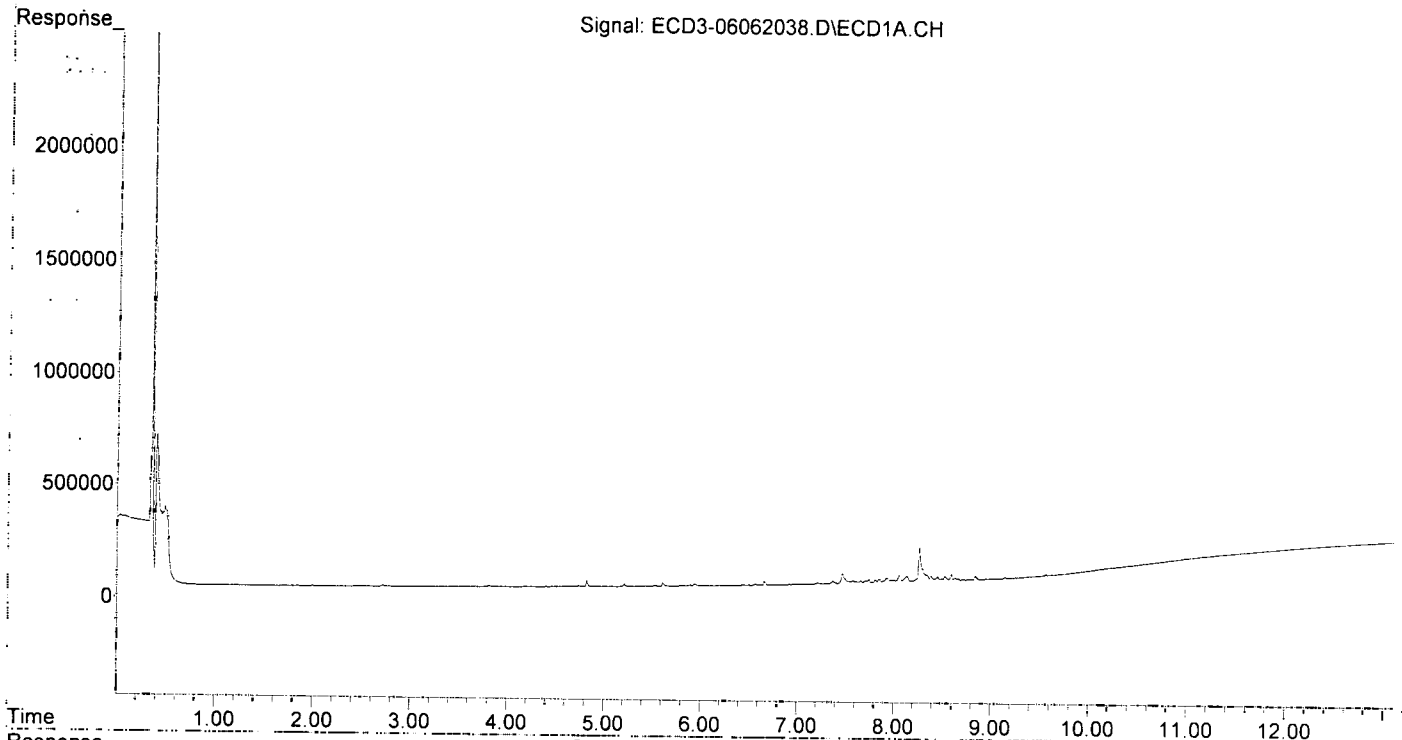
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	5.875	0	5515	N.D.	BelowCal
22) S DCBP (S)	9.561	10.426	7485	3973	30098.493	8152.107 #
Target Compounds						
2) a-BHC	5.891	0.000	5626	0	0.026	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.568	0.000	5420	0	0.033	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.372	8.009	12094	6748	0.071	0.062
10) cis-Chlor...	7.469	8.116	42605	12114	BelowCal	0.112
11) Endosulfa...	7.575	0.000	5422	0	0.036	N.D. #
12) 4,4'-DDE	7.528	8.239	4601	4465	0.028	0.048 #
13) Dieldrin	7.743	8.349f	13848	8971	0.085	0.086
14) Endrin	7.886	8.587	5961	7264	0.046	0.095 #
15) 4,4'-DDD	7.971	8.642	8956	5651	0.069	0.078
16) Endosulfa...	8.057	8.731	28917	18559	0.226	0.233
17) 4,4'-DDT	8.132f	0.000	23619	0	0.209	N.D. #
18) Endrin Al...	8.345	8.978	28567	21539	0.074	0.147 #
19) Endosulfa...	8.662	9.176	9038	6594	0.072	0.094
20) Methoxychlor	8.527f	9.358	20738	17786	0.394	0.676 #
21) Endrin Ke...	8.839	0.000	16117	0	0.117	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlordane	7.207	0.000	3501	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.009	0	6748	N.D.	BelowCal
27) trans-Non...	7.469	8.070	42605	18354	BelowCal	6236.579
28) 2,4'-DDD	7.660	8.349f	6495	8971	0.071	BelowCal #
29) 2,4'-DDT	7.845	8.587f	13827	7264	0.179	0.160
30) cis-Nonac...	7.932	8.642	19003	5651	0.109	7106.719 #
31) Mirex	8.594	0.000	30467	0	0.012	N.D. #
32) Chlordane...	7.372	8.009	12094	6748	0.673	0.538
33) Chlordane...	7.469	8.116	42605	12114	1.923	1.131 #
34) Chlordane...	7.997f	8.804f	9218	81781	1.836	26.933 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35) Toxaphene...	7.449	8.349	8059	8971	10.887m	9.571
37) Toxaphene...	7.743	8.698	13848	11843	10.186	10.397
38) Toxaphene...	8.057	8.731	28917	18559	10.261	11.067
39) Toxaphene...	8.297	8.804	57068	81781	10.021	10.263
40) Toxaphene...	8.527	8.978	20738	21539	10.512	10.009
41) Toxaphene...	8.594	9.358	30467	17786	10.975	11.088
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

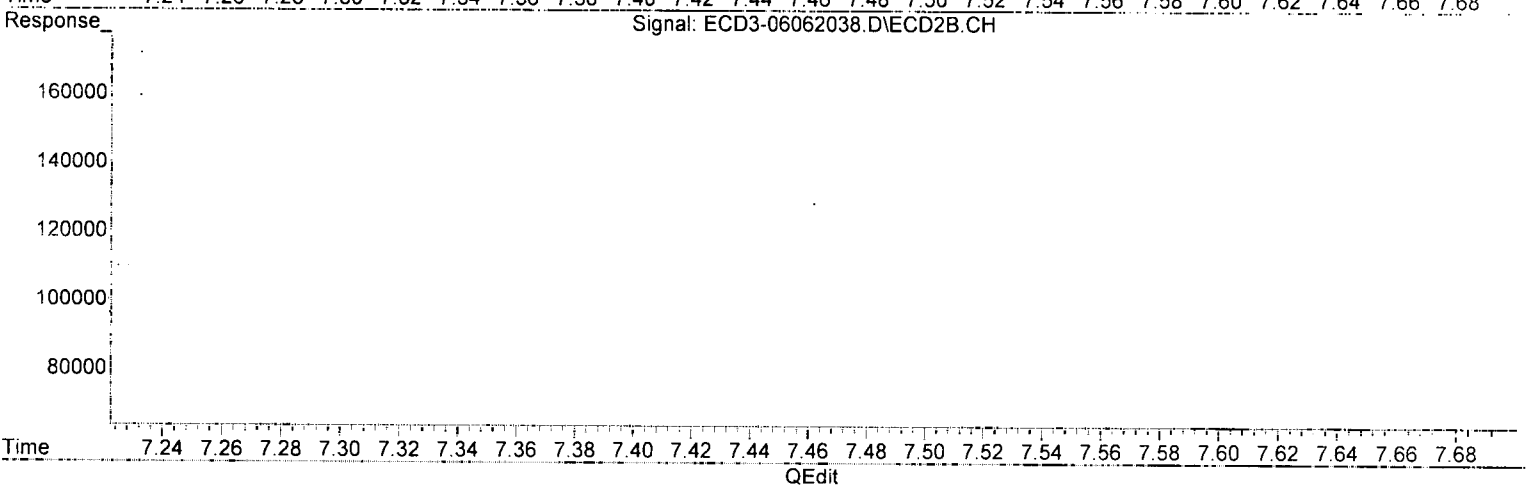
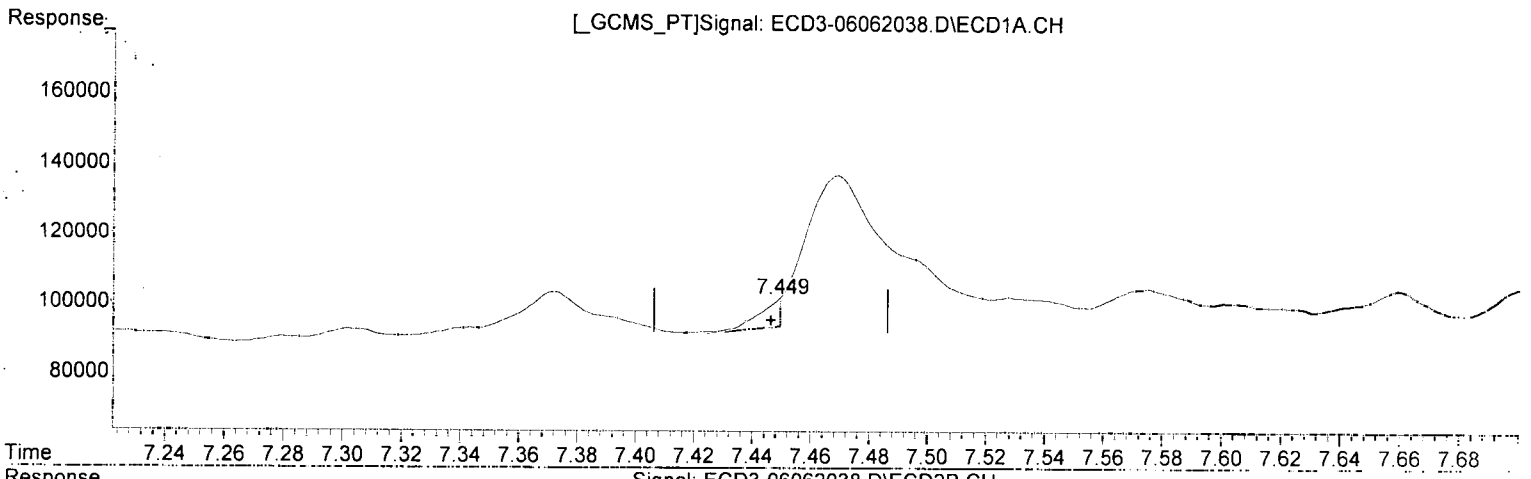
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:16:40 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.449min 10.887 ng/mL (m)
response 8059

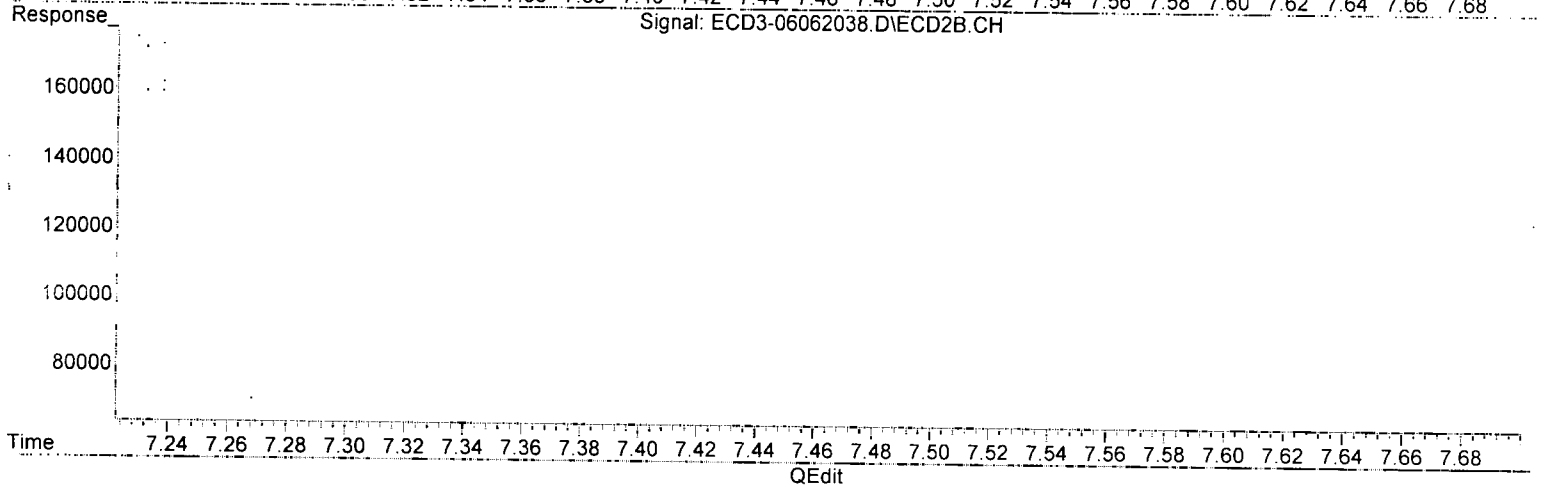
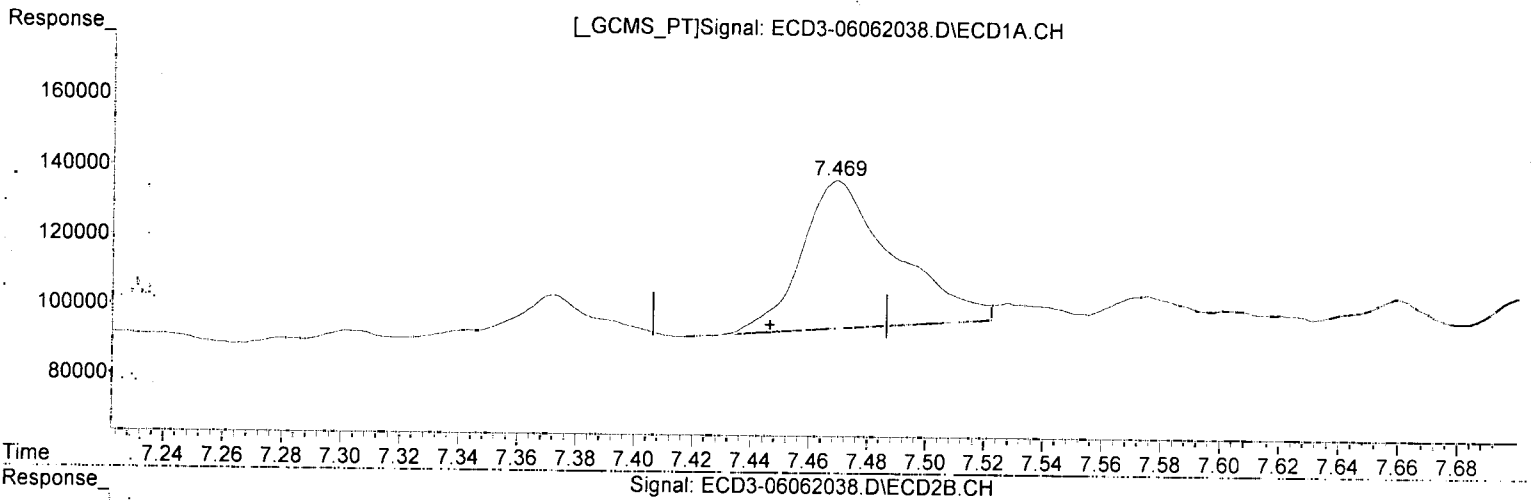
MJB
6/8/20

(36) Toxaphene (1) #2
8.349min 9.571 ng/mL
response 8971

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.469min 57.552 ng/mL
response 42605

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(36) Toxaphene (1) #2
8.349min 9.571 ng/mL
response 8971

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:03
 Operator : MJB
 Sample : 0F06006-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:16:19 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MF
MJB
6/8/20

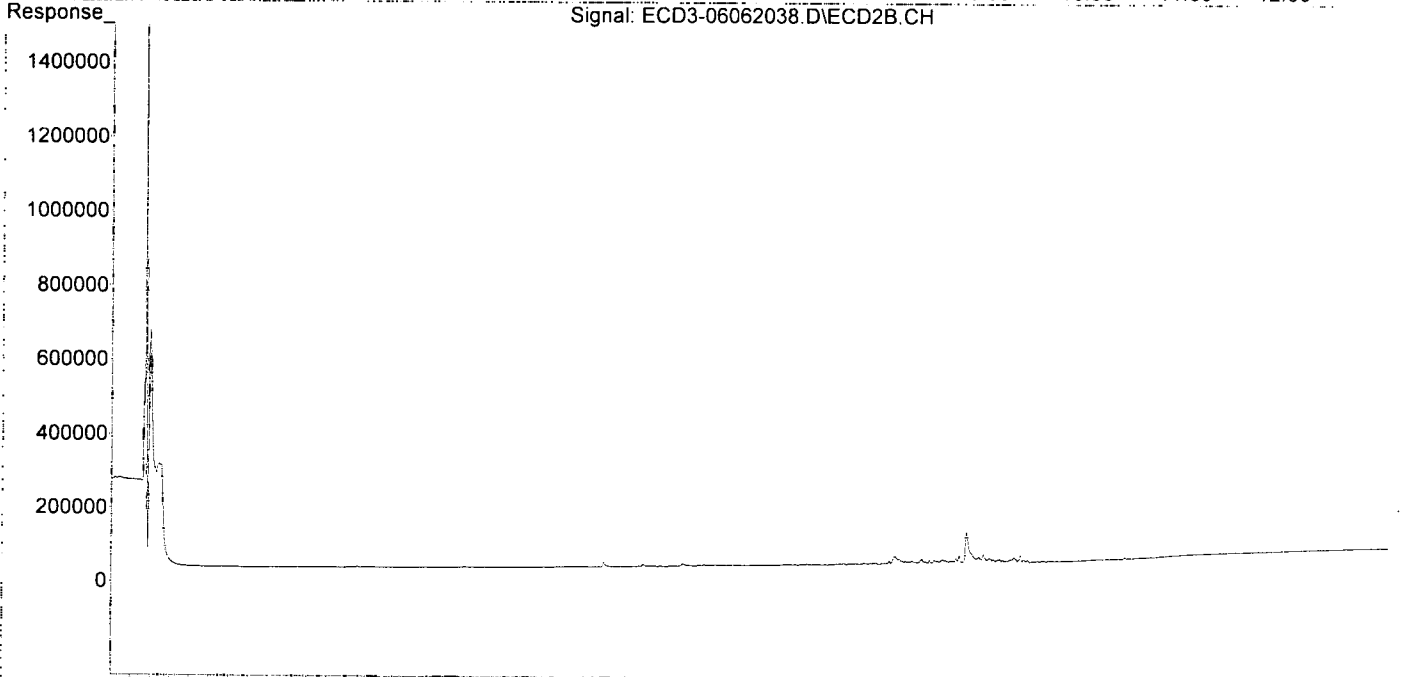
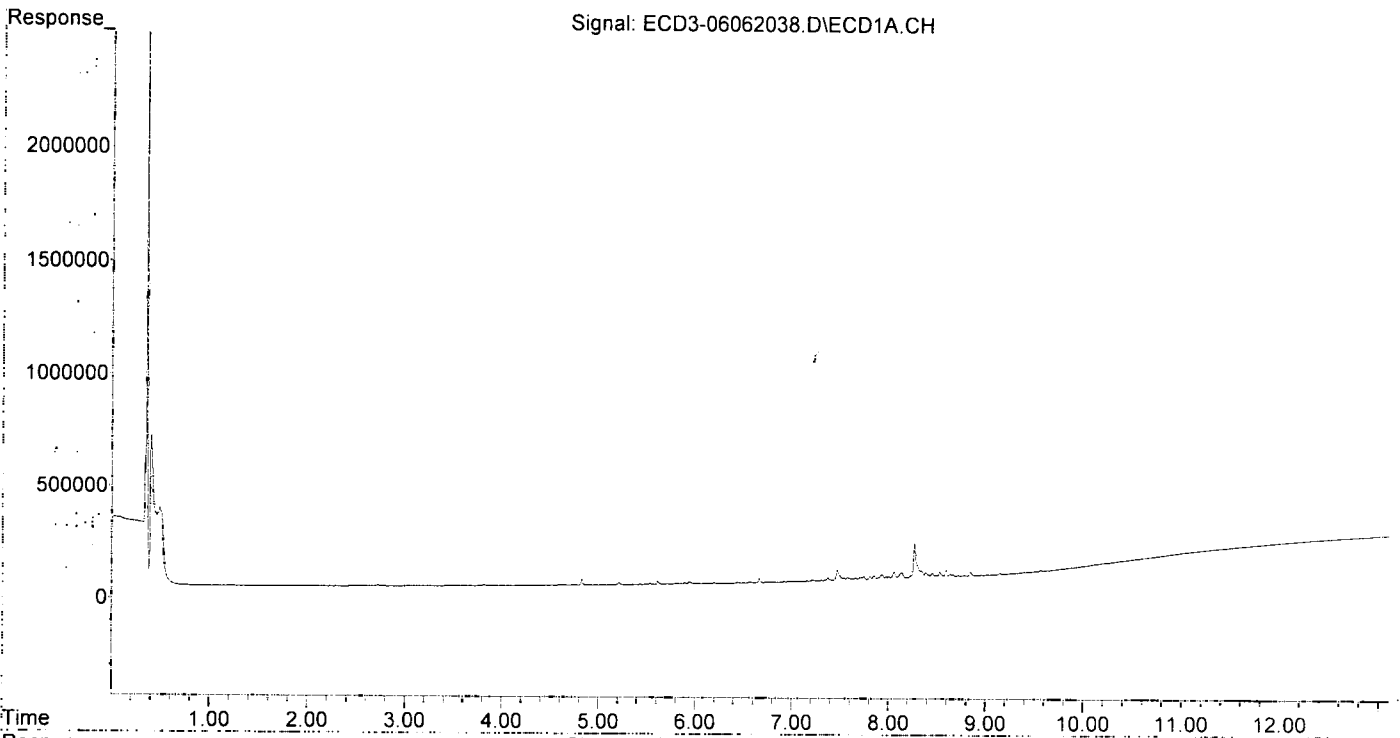
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	5.875	0	5515	N.D.	BelowCal
22) S DCBP (S)	9.561	10.426	7485	3973	30098.493	8152.107 #
Target Compounds						
2) a-BHC	5.891	0.000	5626	0	0.026	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.568	0.000	5420	0	0.033	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.372	8.009	12094	6748	0.071	0.062
10) cis-Chlor...	7.469	8.116	42605	12114	BelowCal	0.112
11) Endosulfa...	7.575	0.000	5422	0	0.036	N.D. #
12) 4,4'-DDE	7.528	8.239	4601	4465	0.028	0.048 #
13) Dieldrin	7.743	8.349f	13848	8971	0.085	0.086
14) Endrin	7.886	8.587	5961	7264	0.046	0.095 #
15) 4,4'-DDD	7.971	8.642	8956	5651	0.069	0.078
16) Endosulfa...	8.057	8.731	28917	18559	0.226	0.233
17) 4,4'-DDT	8.132f	0.000	23619	0	0.209	N.D. #
18) Endrin Al...	8.345	8.978	28567	21539	0.074	0.147 #
19) Endosulfa...	8.662	9.176	9038	6594	0.072	0.094
20) Methoxychlor	8.527f	9.358	20738	17786	0.394	0.676 #
21) Endrin Ke...	8.839	0.000	16117	0	0.117	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlordane	7.207	0.000	3501	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.009	0	6748	N.D.	BelowCal
27) trans-Non...	7.469	8.070	42605	18354	BelowCal	6236.579
28) 2,4'-DDD	7.660	8.349f	6495	8971	0.071	BelowCal #
29) 2,4'-DDT	7.845	8.587f	13827	7264	0.179	0.160
30) cis-Nonac...	7.932	8.642	19003	5651	0.109	7106.719 #
31) Mirex	8.594	0.000	30467	0	0.012	N.D. #
32) Chlordane...	7.372	8.009	12094	6748	0.673	0.538
33) Chlordane...	7.469	8.116	42605	12114	1.923	1.131 #
34) Chlordane...	7.997f	8.804f	9218	81781	1.836	26.933 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.469f	8.349	42605	8971	57.552	9.571 #
37) Toxaphene...	7.743	8.698	13848	11843	10.186	10.397
38) Toxaphene...	8.057	8.731	28917	18559	10.261	11.067
39) Toxaphene...	8.297	8.804	57068	81781	10.021	10.263
40) Toxaphene...	8.527	8.978	20738	21539	10.512	10.009
41) Toxaphene...	8.594	9.358	30467	17786	10.975	11.088
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:20
 Operator : MJB
 Sample : 0F06006-CALR
 Misc : (Sig #1); A20F064, TOX 50 ppb (Sig #2)
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:17:00 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

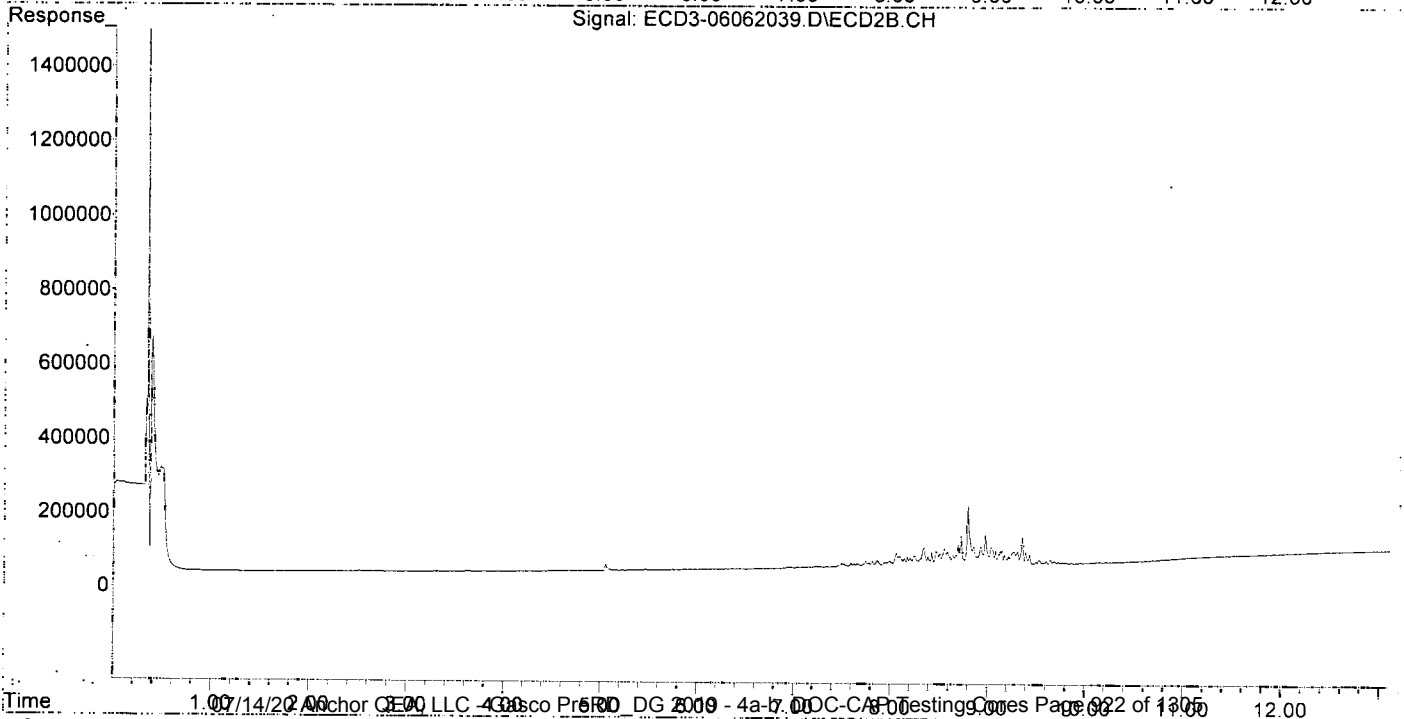
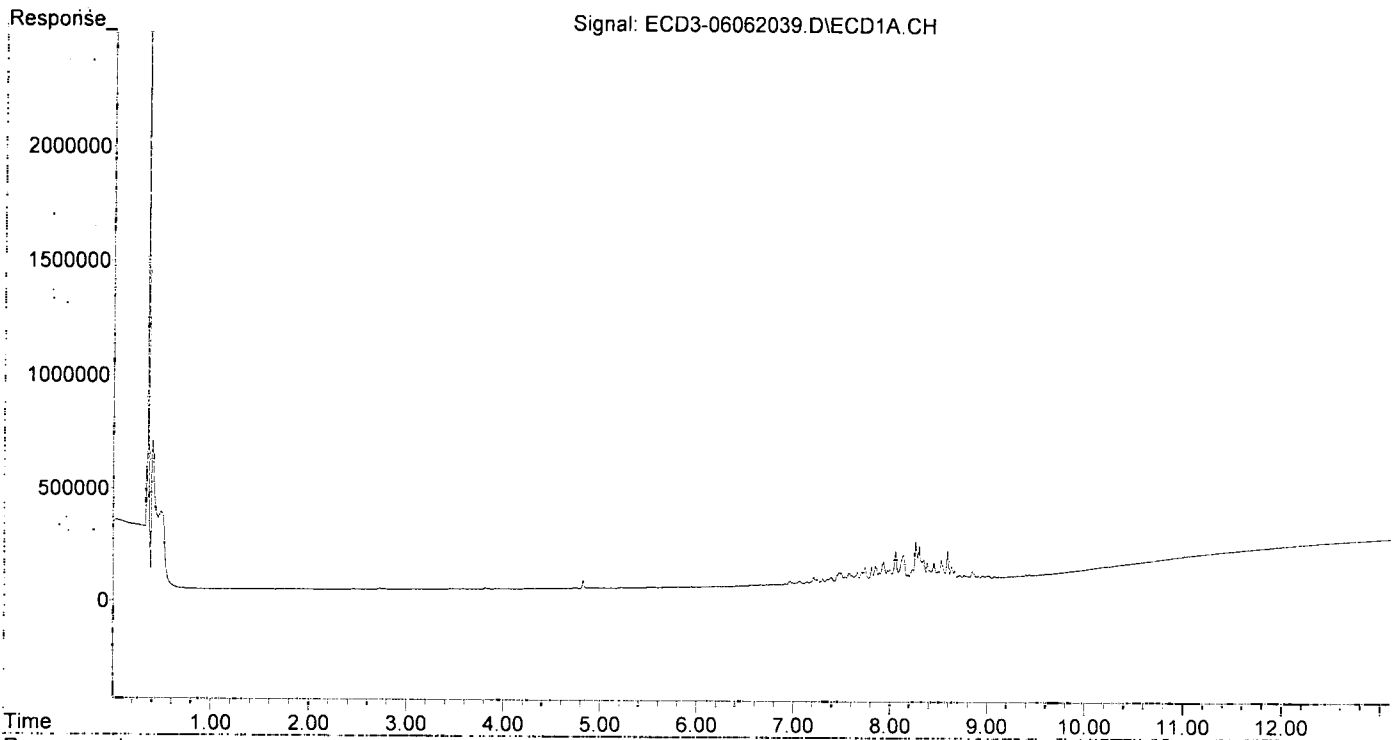
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.567	0.000	3477	0	0.021	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.457f	0	3240	N.D.	0.027 #
8) Heptachlo...	7.279	7.862	9881	14899	0.061	0.141 #
9) trans-Chl...	7.357	8.012	18858	9520	0.111	0.088
10) cis-Chlor...	7.473	8.100	47393	23822	BelowCal	0.221
11) Endosulfa...	7.572	8.175	43240	23097	0.288	0.248
12) 4,4'-DDE	7.529	8.238	25951	24543	0.159	0.263 #
13) Dieldrin	7.742	8.387	67839	23095	0.416	0.222 #
14) Endrin	7.886	8.588	41212	35235	0.319	0.462 #
15) 4,4'-DDD	7.972	8.646	49994	24791	0.386	0.343
16) Endosulfa...	8.054	8.730	132155	78373	1.033	0.985
17) 4,4'-DDT	8.132f	8.858	114161	48734	1.181	0.860
18) Endrin Al...	8.345	8.977	92986	79748	0.708	1.027 #
19) Endosulfa...	8.663	9.175	38525	24841	0.307	0.354
20) Methoxychlor	8.496	9.357	38825	72860	0.737	3.039 #
21) Endrin Ke...	8.846	9.603f	32821	6580	0.238	0.082 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.207	7.814	28501	13271	0.038	7645.494 #
26) 2,4'-DDE	7.279	8.012	9881	9520	BelowCal	BelowCal
27) trans-Non...	7.447	8.083	35071	24359	BelowCal	6236.518
28) 2,4'-DDD	7.659	8.387	45906	23095	0.502	0.256 #
29) 2,4'-DDT	7.844	8.615	71830	22396	0.931	0.494 #
30) cis-Nonac...	7.931	8.646	89484	24791	0.513	0.051 #
31) Mirex	8.593	9.603f	128325	6580	1.006	4425.031 #
32) Chlordane...	7.357	8.012	18858	9520	1.049	0.759
33) Chlordane...	7.473	8.100	47393	23822	2.139	2.224
34) Chlordane...	7.996f	8.800	52820	157727	10.518	51.945 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.447	8.347	35071	48764	47.376	52.028
37) Toxaphene...	7.742	8.697	67839	54040	49.901	47.440
38) Toxaphene...	8.054	8.730	132155	78373	46.896	46.733
39) Toxaphene...	8.298	8.800	153288	157727	49.545	43.165
40) Toxaphene...	8.525	8.977	88127	79748	44.672	49.747
41) Toxaphene...	8.593	9.357	128325	72860	46.227	45.423
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:20
Operator : MJB
Sample : 0F06006-CALR
Misc : (Sig #1); A20F064, TOX 50 ppb (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:17:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path: C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File: ECD3-06062040.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 07 Jun 2020 2:37
 Operator: MJB
 Sample: 0F06006-CALS
 Misc: (Sig #1); A20F065, TOX 100 ppb (Sig #2)
 ALS Vial: 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:17:26 2020
 Quant Method: C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title: Instrument: DualeCD3
 QLast Update: Sun Jun 07 13:18:44 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

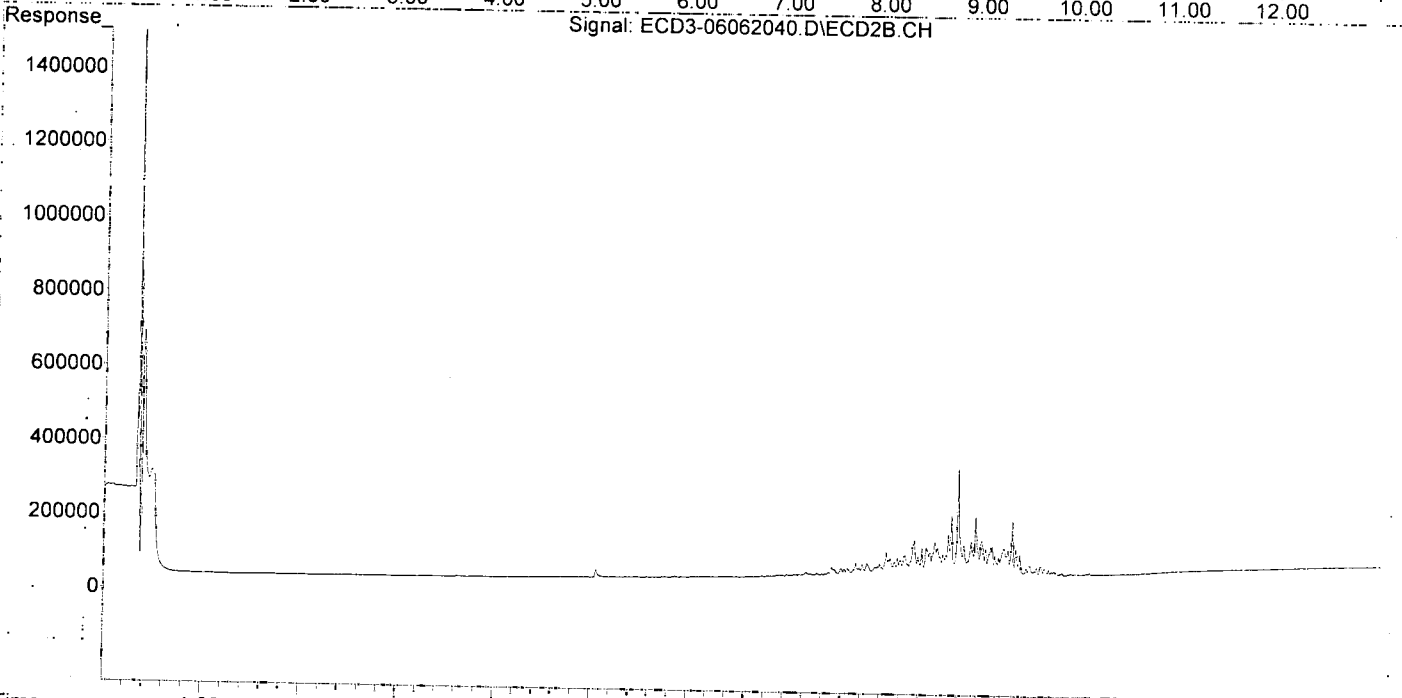
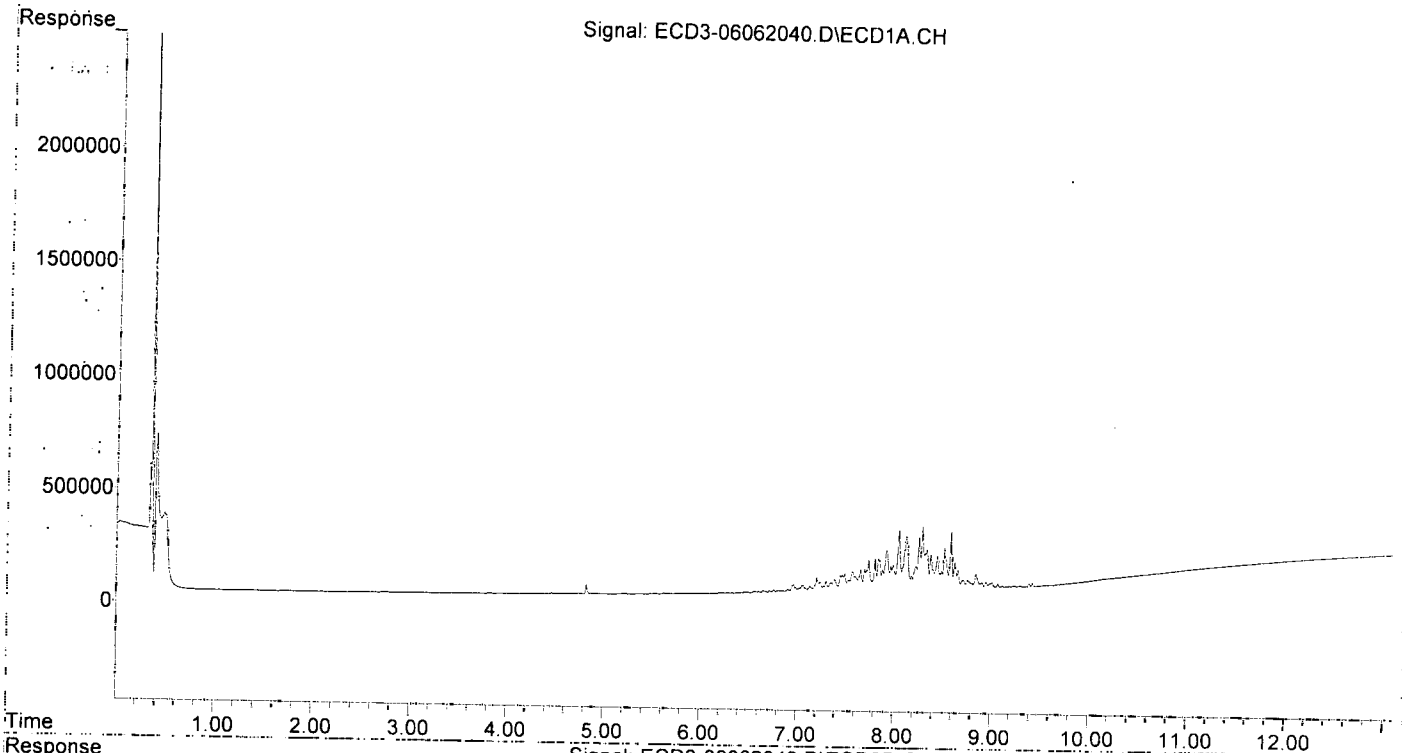
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	5.872	0	2502	N.D.	BelowCal
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.566	0.000	5161	0	0.031	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	6.812	7.458f	6723	6518	0.037	0.055 #
8) Heptachlo...	7.279	7.860	21211	32376	0.131	0.307 #
9) trans-Chl...	7.358	8.013	34368	20739	0.202	0.192 #
10) cis-Chlor...	7.475	8.099	67935	43290	0.109	0.401 #
11) Endosulfa...	7.578	8.175	82166	45648	0.547	0.490 #
12) 4,4'-DDE	7.530	8.238	43644	51968	0.267	0.557 #
13) Dieldrin	7.744	8.387	134815	50528	0.826	0.486 #
14) Endrin	7.887	8.587	87489	72953	0.678	0.957 #
15) 4,4'-DDD	7.972	8.643	103462	55488	0.798	0.767 #
16) Endosulfa...	8.056	8.730	264911	160589	2.072	2.019 #
17) 4,4'-DDT	8.134f	8.858	236039	80967	2.485	1.538 #
18) Endrin Al...	8.345	8.977	176418	156535	1.528	2.188 #
19) Endosulfa...	8.664	9.175	81611	52115	0.650	0.743 #
20) Methoxychlor	8.497	9.356	78385	147385	1.488	6.190 #
21) Endrin Ke...	8.847	9.580	61879	9848	0.448	0.123 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.207	7.813	57748	28634	0.266	0.135 #
26) 2,4'-DDE	7.279	8.013	21211	20739	0.038	0.032 #
27) trans-Non...	7.448	8.084	67332	41449	BelowCal	0.082 #
28) 2,4'-DDD	7.660	8.387	92063	50528	1.006	0.786 #
29) 2,4'-DDT	7.845	8.613	141628	49088	1.836	1.083 #
30) cis-Nonac...	7.931	8.643	175942	55488	1.008	0.338 #
31) Mirex	8.594	9.580	254818	9848	2.290	4424.980 #
32) Chlordane...	7.358	8.013	34368	20739	1.912	1.653 #
33) Chlordane...	7.475	8.099	67935	43290	3.067	4.041 #
34) Chlordane...	7.996f	8.799	109904	284838	21.886	93.806 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.448	8.347	67332	93293	90.956	99.537 #
37) Toxaphene...	7.744	8.697	134815	109701	99.168	96.303 #
38) Toxaphene...	8.056	8.730	264911	160589	94.004	95.758 #
39) Toxaphene...	8.298	8.799	276463	284838	99.754	97.355 #
40) Toxaphene...	8.526	8.977	182749	156535	92.636	101.697 #
41) Toxaphene...	8.594	9.356	254818	147385	91.793	91.882 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:37
Operator : MJB
Sample : 0F06006-CALS
Misc : (Sig #1); A20F065, TOX 100 ppb (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:17:26 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:55
 Operator : MJB
 Sample : 0F06006-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:17:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

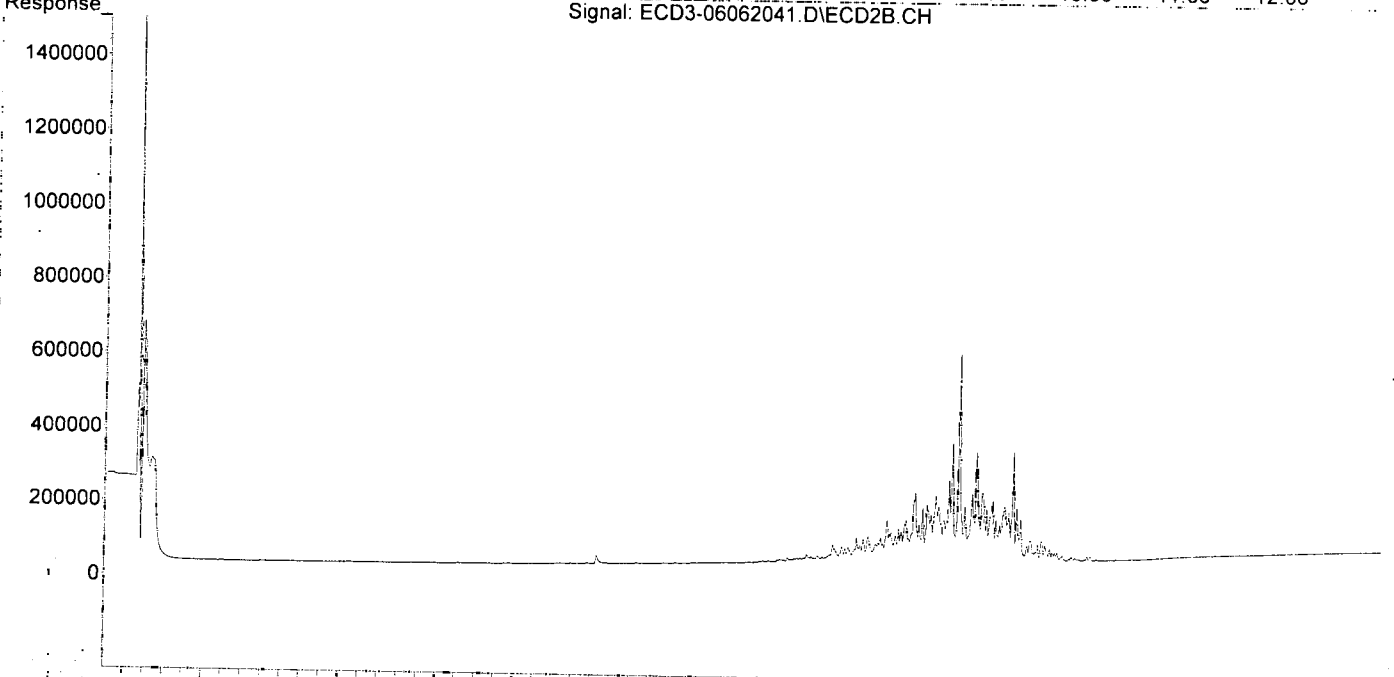
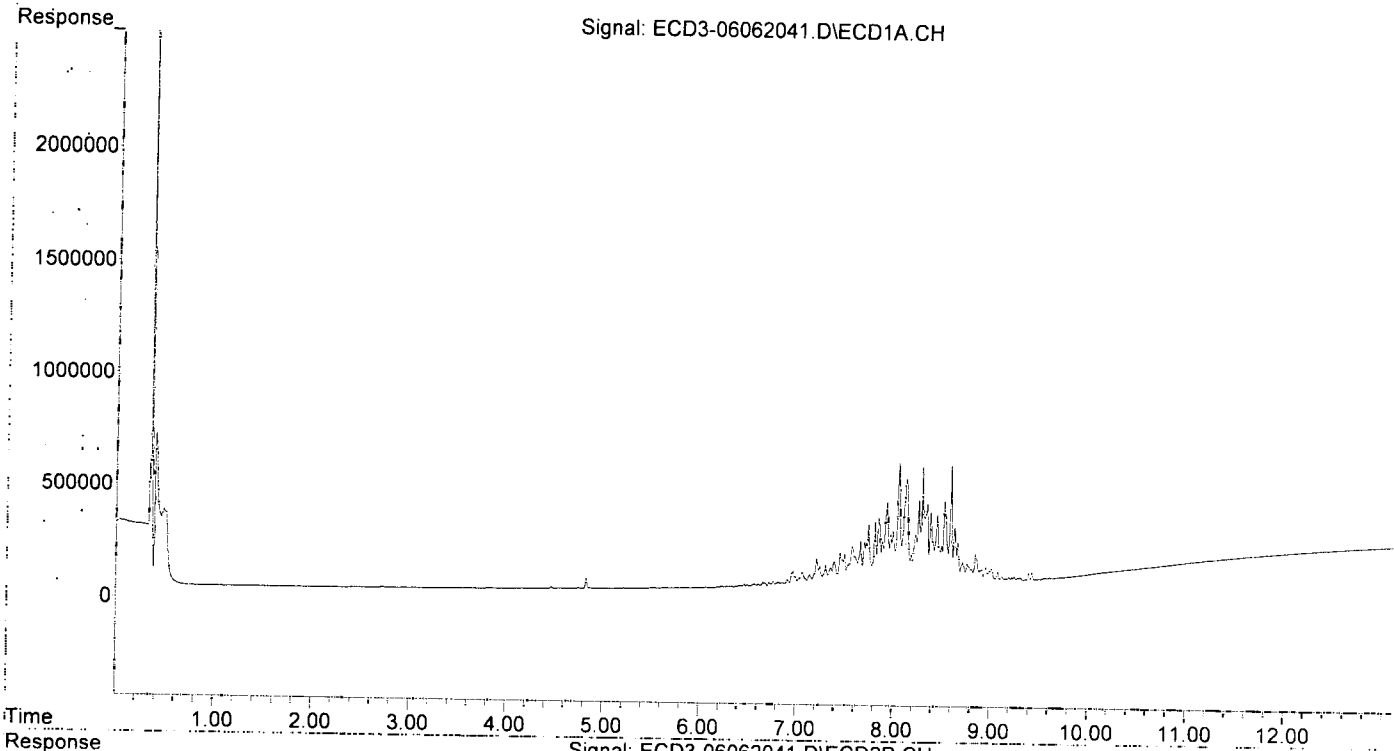
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.554	0.000	5202	0	30098.514	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	6.780	0	3286	N.D.	0.029 #
4) b-BHC	6.231	6.836f	4452	3012	0.056	0.067 #
5) Heptachlor	6.567	7.163	11205	3463	0.067	0.035 #
6) d-BHC	6.407f	7.104	4285	3208	0.026	0.037 #
7) Aldrin	6.812	7.423	17437	4040	0.095	0.034 #
8) Heptachlo...	7.281	7.863	48459	60442	0.300	0.573 #
9) trans-Chl...	7.358	8.014	74481	40794	0.437	0.377 #
10) cis-Chlor...	7.477	8.100	108913	72030	0.370	0.667 #
11) Endosulfa...	7.574	8.175	164842	81795	1.098	0.878 #
12) 4,4'-DDE	7.546	8.238	92646	95203	0.568	1.021 #
13) Dieldrin	7.743	8.387	263780	94069	1.617	0.904 #
14) Endrin	7.887	8.589	186276	141894	1.443	1.861 #
15) 4,4'-DDD	7.973	8.644	217583	106032	1.678	1.466 #
16) Endosulfa...	8.056	8.730	536399	316450	4.194	3.978 #
17) 4,4'-DDT	8.131f	8.859	459613	142171	4.862	2.819 #
18) Endrin Al...	8.346	8.977	351160	290277	3.247	4.209 #
19) Endosulfa...	8.664	9.176	173613	106476	1.383	1.518 #
20) Methoxychlor	8.498	9.357	160857	290616	3.055	12.107 #
21) Endrin Ke...	8.849	9.579	120691	21217	0.874	0.264 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.209	7.813	117277	53494	0.729	0.430 #
26) 2,4'-DDE	7.281	8.014	48459	40794	0.316	0.371 #
27) trans-Non...	7.448	8.083	141267	69224	0.479	0.362 #
28) 2,4'-DDD	7.661	8.387	191571	94069	2.093	1.627 #
29) 2,4'-DDT	7.845	8.615	294296	96742	3.815	2.134 #
30) cis-Nonac...	7.933	8.644	358736	106032	2.056	0.812 #
31) Mirex	8.595	9.579	518581	21217	4.969	0.049 #
32) Chlordane...	7.358	8.014	74481	40794	4.145	3.251 #
33) Chlordane...	7.477	8.100	108913	72030	4.916	6.725 #
34) Chlordane...	7.995f	8.799	230173	550559	45.836	181.317 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.448	8.347	141267	178857	190.830	190.827 #
37) Toxaphene...	7.743	8.697	263780	212290	194.033	186.362 #
38) Toxaphene...	8.056	8.730	536399	316450	190.343	188.696 #
39) Toxaphene...	8.299	8.799	521292	550559	198.301	207.337 #
40) Toxaphene...	8.527	8.977	361345	290277	183.167	190.945 #
41) Toxaphene...	8.595	9.357	518581	290616	186.808	181.176 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:55
Operator : MJB
Sample : 0F06006-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:17:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 3:12
 Operator : MJB
 Sample : 0F06006-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:17:47 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

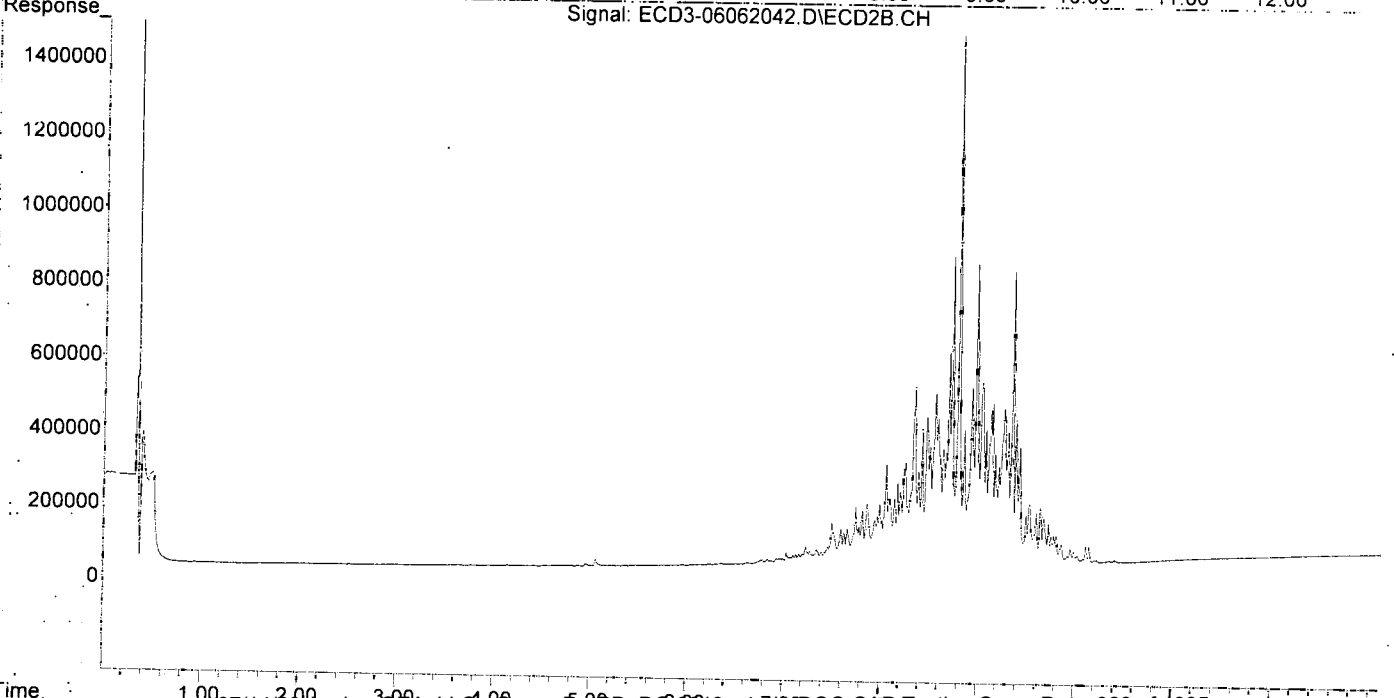
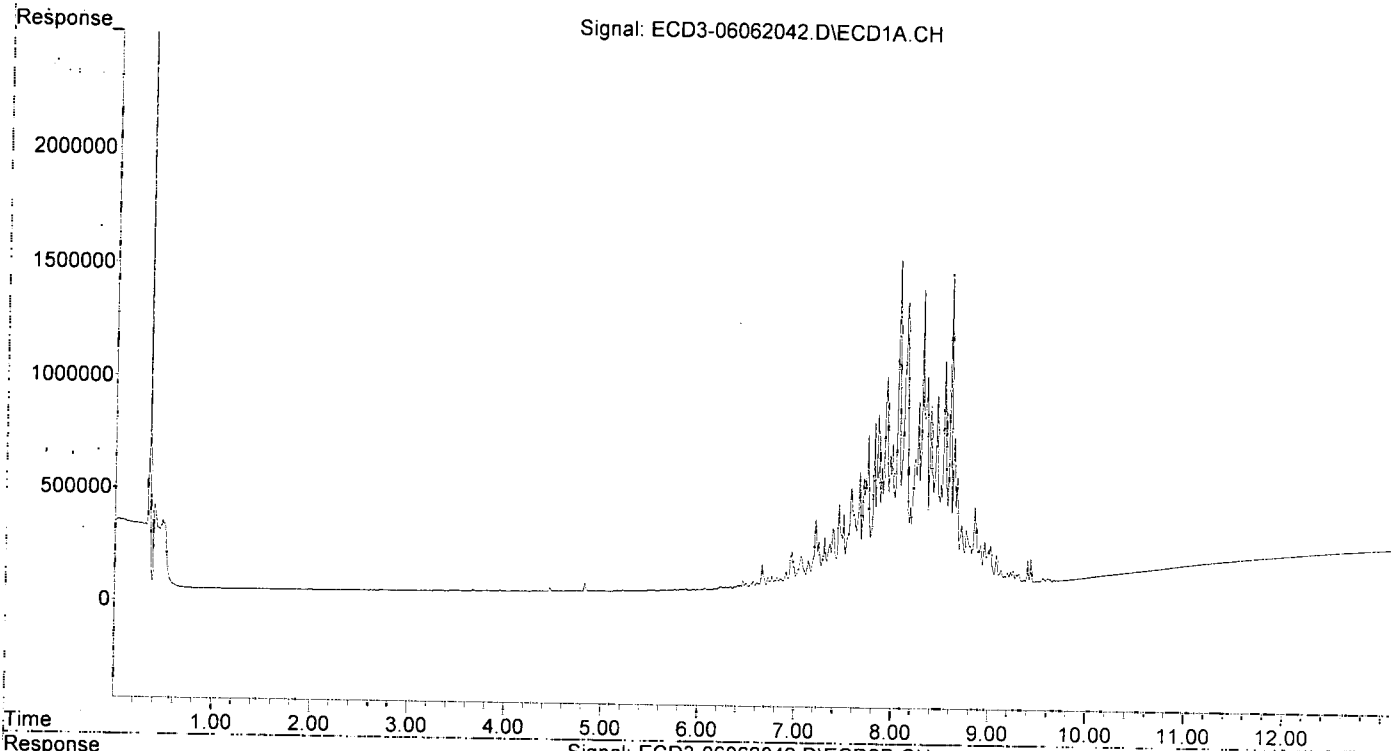
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.552	10.404f	15780	5723	30098.419	8152.081 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.173	6.780	5493	10675	0.030	0.096 #
4) b-BHC	6.230	6.876	14392	6896	0.182	0.153
5) Heptachlor	6.566	7.161	32151	25065	0.193	0.254
6) d-BHC	6.369	7.103	11897	21587	0.071	0.248 #
7) Aldrin	6.811	7.422	49548	29026	0.270	0.243
8) Heptachlo...	7.279	7.861	128106	160683	0.792	1.523 #
9) trans-Chl...	7.356	8.014	189065	115064	1.110	1.065
10) cis-Chlor...	7.475	8.099f	229225	174921	1.134	1.619 #
11) Endosulfa...	7.574	8.174	434788	214121	2.896	2.298
12) 4,4'-DDE	7.544	8.237	237793	255001	1.457	2.735 #
13) Dieldrin	7.742	8.387	672639	244975	4.123	2.355 #
14) Endrin	7.886	8.586	527050	388282	4.083	5.092
15) 4,4'-DDD	7.971	8.643	582225	307110	4.491	4.247
16) Endosulfa...	8.055	8.730	1448445	821447	11.326	10.327
17) 4,4'-DDT	8.136	8.858	1259701	355965	13.208	7.227 #
18) Endrin Al...	8.345	8.977	930235	799448	8.949	11.897
19) Endosulfa...	8.664	9.175	472860	290455	3.767	4.140
20) Methoxychlor	8.497	9.356	442031	777622	8.394	31.036 #
21) Endrin Ke...	8.847	9.602f	339968	130958	2.463	1.630
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.752f	6.358f	3059	2413	0.021	BelowCal #
25) Oxychlorane	7.208	7.812	298631	140772	2.141	1.466
26) 2,4'-DDE	7.279	8.014	128106	115064	1.128	1.627 #
27) trans-Non...	7.446	8.083	364718	173994	1.988	1.419
28) 2,4'-DDD	7.659	8.387	511710	244975	5.590	4.537
29) 2,4'-DDT	7.843	8.613	768669	280322	9.964	6.182
30) cis-Nonac...	7.930	8.643	933847	307110	5.351	2.697 #
31) Mirex	8.593	9.602f	1380932	130958	13.731	1.752 #
32) Chlordane...	7.356	8.014	189065	115064	10.521	9.171
33) Chlordane...	7.475	8.099	229225	174921	10.347	16.330 #
34) Chlordane...	7.994f	8.797	634085	1412810	126.269	465.284 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.446	8.346	364718	470819	492.680	502.329
37) Toxaphene...	7.742	8.697	672639	564854	494.784	495.865
38) Toxaphene...	8.055	8.730	1448445	821447	513.986	489.822
39) Toxaphene...	8.298	8.797	1316874	1412810	507.883	538.319
40) Toxaphene...	8.526	8.977	994735	799448	504.235	517.599
41) Toxaphene...	8.593	9.356	1380932	777622	497.453	484.784
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 3:12
Operator : MJB
Sample : 0F06006-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:17:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 3:29
 Operator : MJB
 Sample : 0F06006-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:17:59 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

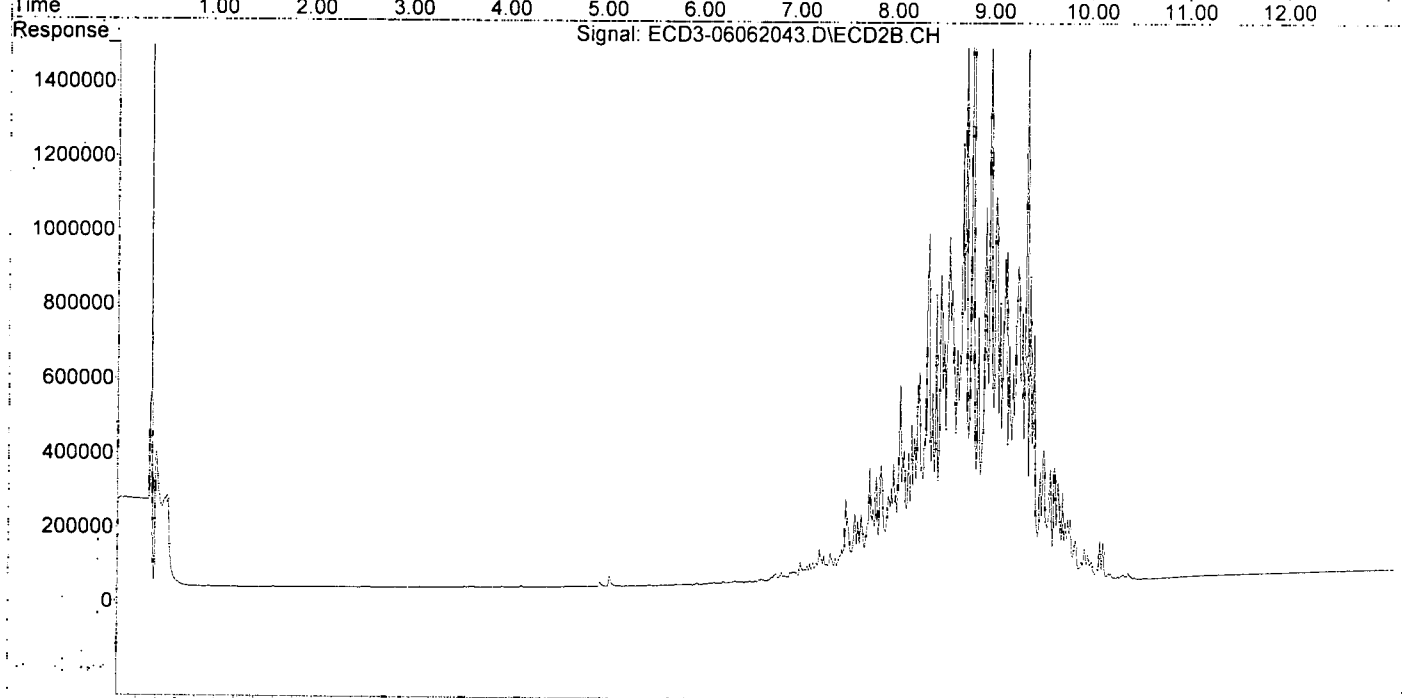
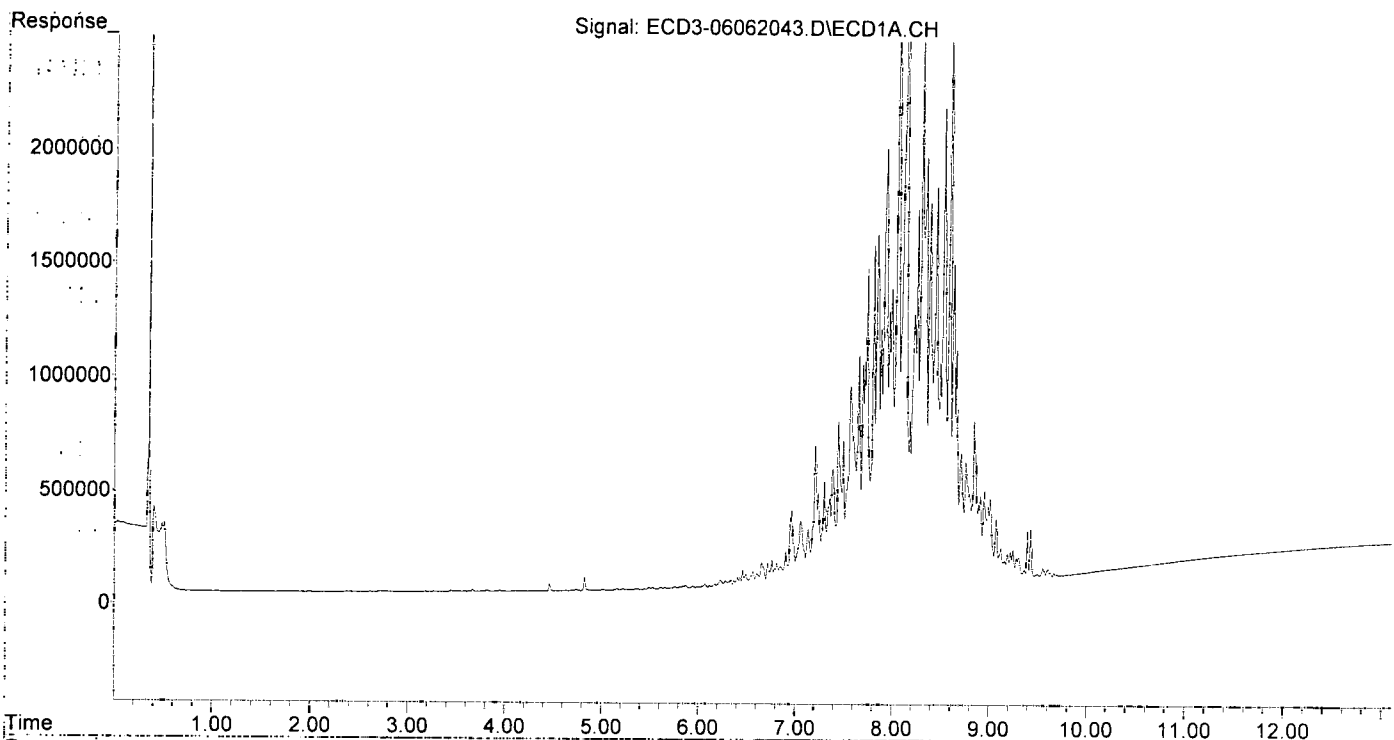
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.553	10.404f	36265	15780	0.158	0.080 #
Target Compounds						
2) a-BHC	5.870	6.504f	10405	4132	0.049	0.033
3) g-BHC	6.172	6.779	12793	23196	0.069	0.208 #
4) b-BHC	6.230	6.861	29669	16382	0.376	0.363
5) Heptachlor	6.564	7.161	62694	52029	0.377	0.528 #
6) d-BHC	6.369	7.103	27828	43864	0.167	0.503 #
7) Aldrin	6.811	7.422	98993	58937	0.539	0.494
8) Heptachlo...	7.278	7.860	257401	308740	1.591	2.926 #
9) trans-Chl...	7.356	8.013	378051	232354	2.219	2.150
10) cis-Chlor...	7.446f	8.099f	720081	349538	4.250	3.236
11) Endosulfa...	7.572	8.173	866183	416531	5.769	4.470
12) 4,4'-DDE	7.543	8.236	474110	522576	2.906	5.605 #
13) Dieldrin	7.741	8.386	1382011	504188	8.470	4.847 #
14) Endrin	7.884	8.587	1111650	779895	8.613	10.228
15) 4,4'-DDD	7.970	8.643	1191192	616019	9.188	8.518
16) Endosulfa...	8.054	8.730	2880010	1670440	22.521	21.001
17) 4,4'-DDT	8.131f	8.858	2509256	702747	25.784	14.170 #
18) Endrin Al...	8.344	8.977	1867454	1610593	18.197	24.120
19) Endosulfa...	8.663	9.175	1013036	623967	8.071	8.893
20) Methoxychlor	8.496	9.356	955122	1683843	18.137	62.490 #
21) Endrin Ke...	8.847	9.601f	699904	292982	5.071	3.647
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.721	6.316	2783	1984	0.019	BelowCal #
25) Oxychlorane	7.207	7.811	612118	278237	4.580	3.099
26) 2,4'-DDE	7.278	8.013	257401	232354	2.445	3.607 #
27) trans-Non...	7.446	8.083	720081	333273	4.386	3.027
28) 2,4'-DDD	7.658	8.386	1002434	504188	10.952	9.520
29) 2,4'-DDT	7.842	8.613	1530893	571981	19.845	12.615
30) cis-Nonac...	7.930	8.643	1911146	616019	10.951	5.595 #
31) Mirex	8.593	9.530f	2843685	345488	28.612	5.085 #
32) Chlordane...	7.356	8.013	378051	232354	21.038	18.520
33) Chlordane...	7.446f	8.099	720081	349538	32.504	32.632
34) Chlordane...	7.993f	8.797	1291717	2915033	257.228	960.016 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.446	8.346	720081	928750	972.722	990.908
37) Toxaphene...	7.741	8.696	1382011	1166999	1016.588	1024.467
38) Toxaphene...	8.054	8.730	2880010	1670440	1021.982	996.069
39) Toxaphene...	8.297	8.797	2684766	2915033	1007.250	1045.079
40) Toxaphene...	8.525	8.977	2080618	1610593	1054.674	1001.551
41) Toxaphene...	8.593	9.356	2843685	1683843	1024.380	1049.740
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 3:29
Operator : MJB
Sample : 0F06006-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:17:59 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
 Data File : ECD3-06062044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 3:46
 Operator : MJB
 Sample : 0F06006-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 08 15:18:09 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:18:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

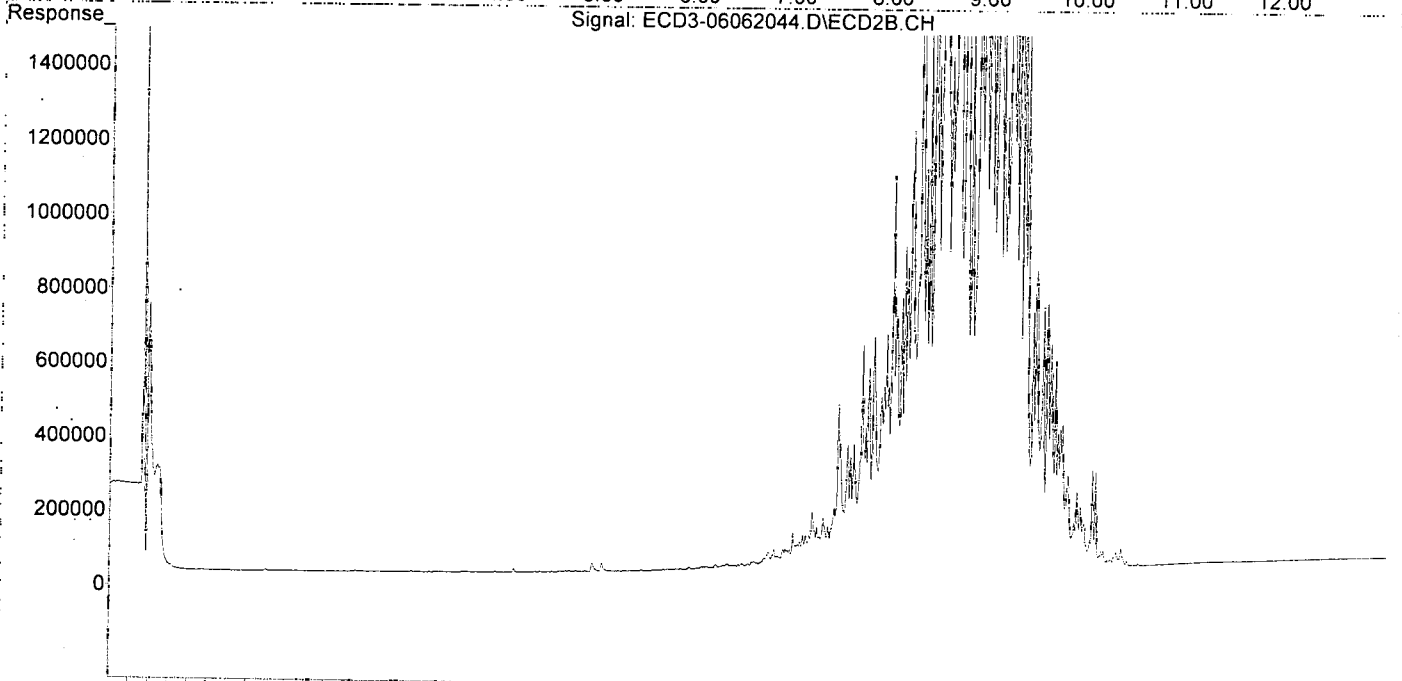
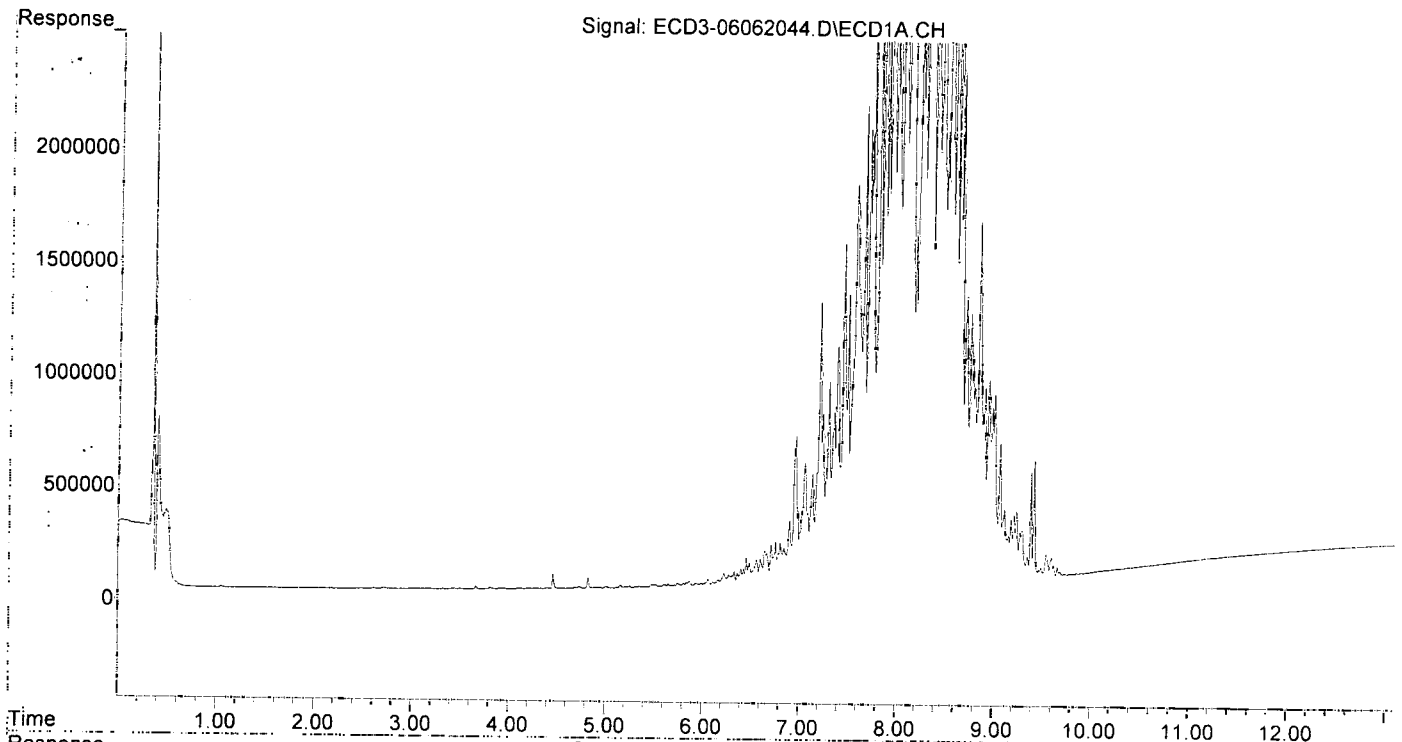
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.354f	0.000	2766	0	0.019	N.D. #
22) S DCBP (S)	9.552	10.403f	91605	45831	0.653	0.526
Target Compounds						
2) a-BHC	5.871	6.469	20912	9842	0.098	0.079
3) g-BHC	6.171	6.780	23618	41625	0.127	0.373 #
4) b-BHC	6.231	6.861	48668	31613	0.616	0.701
5) Heptachlor	6.566	7.163	104353	86138	0.627	0.874
6) d-BHC	6.369	7.102	48770	70020	0.292	0.803 #
7) Aldrin	6.811	7.423	179185	105089	0.976	0.880
8) Heptachlo...	7.278	7.860	510090	617900	3.153	5.855 #
9) trans-Chl...	7.356	8.013	755428	484296	4.434	4.481
10) cis-Chlor...	7.446f	8.098f	1498136	667961	9.181	6.184
11) Endosulfa...	7.572	8.174	1760459	861869	11.725	9.249
12) 4,4'-DDE	7.544	8.237	991800	1067036	6.079	11.444 #
13) Dieldrin	7.741	8.386	2760683	1066309	16.920	10.251
14) Endrin	7.884f	8.586	2391179	1692651	18.526	22.199
15) 4,4'-DDD	7.971	8.645	2486233	1367245	19.177	18.906
16) Endosulfa...	8.055	8.729	6167329	3628701	48.227	45.620
17) 4,4'-DDT	8.135f	8.857f	5253683	1557319	51.726	30.328 #
18) Endrin Al...	8.345	8.978	4114012	3478951	40.467	52.163
19) Endosulfa...	8.663	9.175	2238775	1424414	17.836	20.301
20) Methoxychlor	8.497	9.356	1982786	3653202	37.651	119.979 #
21) Endrin Ke...	8.846	9.602f	1581465	692905	11.458	8.624
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.723	6.314	6149	7196	0.042	BelowCal #
25) Oxychlorane	7.206	7.811	1240500	536400	9.468	6.166
26) 2,4'-DDE	7.278	8.013	510090	484296	5.017	7.843 #
27) trans-Non...	7.446	8.083	1498136	674076	9.625	6.470
28) 2,4'-DDD	7.658	8.386	2103648	1066309	22.983	20.264
29) 2,4'-DDT	7.843	8.613	3260358	1226653	42.265	27.053
30) cis-Nonac...	7.930	8.645	3937917	1367245	22.565	12.651 #
31) Mirex	8.593	9.602f	6144339	692905	62.269	10.493 #
32) Chlordane...	7.388	8.013	1044834	484296	58.142	38.601
33) Chlordane...	7.446f	8.098f	1498136	667961	67.625	62.360
34) Chlordane...	7.993f	8.797	2748204	6100637	547.267	2009.139 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.446	8.346	1498136	1981909	2023.759	2114.551
37) Toxaphene...	7.741	8.696	2760683	2507204	2030.721	2200.984
38) Toxaphene...	8.055	8.729	6167329	3628701	2188.499	2163.763
39) Toxaphene...	8.297	8.797	5678881	6100637	1989.120	1938.687
40) Toxaphene...	8.525	8.978	4537318	3478951	2299.985	1990.467
41) Toxaphene...	8.593	9.356	6144339	3653202	2213.374	2277.476
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\REQUANT\
Data File : ECD3-06062044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 3:46
Operator : MJB
Sample : 0F06006-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 08 15:18:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:18:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Sequence Name: C:\msdchem\3\sequence\0F06006.s

Comment: Pesticides

Operator: MJB

Data Path: C:\MSDCHEM\3\DATA\2020-06\0F06006\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Sequence Barcode Options

(X) Full Method

(X) On Mismatch, Inject Anyway

() Reprocessing Only

() On Mismatch, Don't Inject

() Barcode Disabled

Line Sample Name/Misc Info

- 1) Sample 1 Hexane
Datafile ECD3-06062001
Method ECD3_AQUPEST_140312
- 2) Sample 1 Hexane
Datafile ECD3-06062002
Method ECD3_AQUPEST_140312
- 3) Sample 2 0F06006-BKD1
Datafile ECD3-06062003
Method ECD3_AQUPEST_140312
- 4) Sample 1 Hexane
Datafile ECD3-06062004
Method ECD3_AQUPEST_140312
- 5) Sample 2 0F06006-BKD2
Datafile ECD3-06062005
Method ECD3_AQUPEST_140312
- 6) Sample 3 0F06006-ICB1
Datafile ECD3-06062006
Method ECD3_AQUPEST_140312
- 7) Sample 4 0F06006-CAL1
Datafile ECD3-06062007
Method ECD3_AQUPEST_140312
- 8) Sample 5 0F06006-CAL2
Datafile ECD3-06062008
Method ECD3_AQUPEST_140312
- 9) Sample 6 0F06006-CAL3
Datafile ECD3-06062009
Method ECD3_AQUPEST_140312
- 10) Sample 7 0F06006-CAL4
Datafile ECD3-06062010
Method ECD3_AQUPEST_140312
- 11) Sample 8 0F06006-CAL5
Datafile ECD3-06062011
Method ECD3_AQUPEST_140312
- 12) Sample 9 0F06006-CAL6
Datafile ECD3-06062012
Method ECD3_AQUPEST_140312
- 13) Sample 10 0F06006-CAL7
Datafile ECD3-06062013
Method ECD3_AQUPEST_140312
- 14) Sample 11 0F06006-CAL8
Datafile ECD3-06062014
Method ECD3_AQUPEST_140312
- 15) Sample 12 0F06006-CAL9
Datafile ECD3-06062015
Method ECD3_AQUPEST_140312
- 16) Sample 1 0F06006-IBL1
Datafile ECD3-06062016
Method ECD3_AQUPEST_140312
- 17) Sample 13 0F06006-ICV1
Datafile ECD3-06062017
Method ECD3_AQUPEST_140312
- 18) Sample 14 0F06006-CALA
Datafile ECD3-06062018
Method ECD3_AQUPEST_140312
- 19) Sample 15 0F06006-CALB
Datafile ECD3-06062019
Method ECD3_AQUPEST_140312
- 20) Sample 16 0F06006-CALC

Failed.
cut ~ 21" off 140312 column.

MJB
6/7/20

	Datafile		ECD3-06062020
	Method		ECD3_AQUPEST_140312
21)	Sample	17	0F06006-CALD
	Datafile		ECD3-06062021
	Method		ECD3_AQUPEST_140312
22)	Sample	18	0F06006-CALE
	Datafile		ECD3-06062022
	Method		ECD3_AQUPEST_140312
23)	Sample	19	0F06006-CALF
	Datafile		ECD3-06062023
	Method		ECD3_AQUPEST_140312
24)	Sample	20	0F06006-CALG
	Datafile		ECD3-06062024
	Method		ECD3_AQUPEST_140312
25)	Sample	21	0F06006-CALH
	Datafile		ECD3-06062025
	Method		ECD3_AQUPEST_140312
26)	Sample	22	0F06006-CALI
	Datafile		ECD3-06062026
	Method		ECD3_AQUPEST_140312
27)	Sample	1	0F06006-IBL2
	Datafile		ECD3-06062027
	Method		ECD3_AQUPEST_140312
28)	Sample	23	0F06006-ICV2
	Datafile		ECD3-06062028
	Method		ECD3_AQUPEST_140312
29)	Sample	24	0F06006-CALJ
	Datafile		ECD3-06062029
	Method		ECD3_AQUPEST_140312
30)	Sample	25	0F06006-CALK
	Datafile		ECD3-06062030
	Method		ECD3_AQUPEST_140312
31)	Sample	26	0F06006-CALL
	Datafile		ECD3-06062031
	Method		ECD3_AQUPEST_140312
32)	Sample	27	0F06006-CALM
	Datafile		ECD3-06062032
	Method		ECD3_AQUPEST_140312
33)	Sample	28	0F06006-CALN
	Datafile		ECD3-06062033
	Method		ECD3_AQUPEST_140312
34)	Sample	29	0F06006-CALO
	Datafile		ECD3-06062034
	Method		ECD3_AQUPEST_140312
35)	Sample	30	0F06006-CALP
	Datafile		ECD3-06062035
	Method		ECD3_AQUPEST_140312
36)	Sample	1	0F06006-IBL3
	Datafile		ECD3-06062036
	Method		ECD3_AQUPEST_140312
37)	Sample	31	0F06006-ICV3
	Datafile		ECD3-06062037
	Method		ECD3_AQUPEST_140312
38)	Sample	32	0F06006-CAL Q
	Datafile		ECD3-06062038
	Method		ECD3_AQUPEST_140312
39)	Sample	33	0F06006-CAL R
	Datafile		ECD3-06062039
	Method		ECD3_AQUPEST_140312
40)	Sample	34	0F06006-CAL S
	Datafile		ECD3-06062040
	Method		ECD3_AQUPEST_140312
41)	Sample	35	0F06006-CAL T
	Datafile		ECD3-06062041
	Method		ECD3_AQUPEST_140312
42)	Sample	36	0F06006-CAL U
	Datafile		ECD3-06062042
	Method		ECD3_AQUPEST_140312
43)	Sample	37	0F06006-CAL V
	Datafile		ECD3-06062043
	Method		ECD3_AQUPEST_140312

*NJB
6/17/20*

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	38	0F06006-CALW		
	Datafile		ECD3-06062044		
	Method		ECD3_AQUPEST_140312		
45)	Sample	1	0F06006-IBL4		
	Datafile		ECD3-06062045		
	Method		ECD3_AQUPEST_140312		
46)	Sample	39	0F06006-ICV4		
	Datafile		ECD3-06062046		
	Method		ECD3_AQUPEST_140312		

MJB
6/7/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0F06006 BKD2
Data File: ECD3-06062005.D

First Column Area Counts		Percent Breakdown	
DDE	1421481		
DDD	3920910		
DDT	106813264	4.76	PASS
Endrin	64117626	9.51	PASS
Endrin Aldehyde	2279254		
Endrin Ketone	4458139		

Second Column Area Counts		Percent Breakdown	
DDE	299639		
DDD	3941162		
DDT	60624689	6.54	PASS
Endrin	39381396	10.04	PASS
Endrin Aldehyde	1445110		
Endrin Ketone	2951287		

Breakdown must be less than 15% to accept sample data.

HJB 6/8/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 16:40
 Operator : MJB
 Sample : 0F06006-BKD2
 Misc : A20E203
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 06 16:54:23 2020
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200606.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.451	1421481	NoCal	ng/mL
2) Endrin	7.902	64117626	NoCal	ng/mL
3) 4,4'-DDD	7.954	3920910	NoCal	ng/mL
4) 4,4'-DDT	8.154	106813264	NoCal	ng/mL
5) Endrin Aldehyde	8.350	2279254	NoCal	ng/mL
6) Endrin Ketone	8.848	4458139	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.230	299639	NoCal	ng/mL
9) Endrin [2C]	8.596	39381396	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.649	3941162	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.984	1445110	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.875	60624689	NoCal	ng/mL
13) Endrin Ketone [2C]	9.574	2951287	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

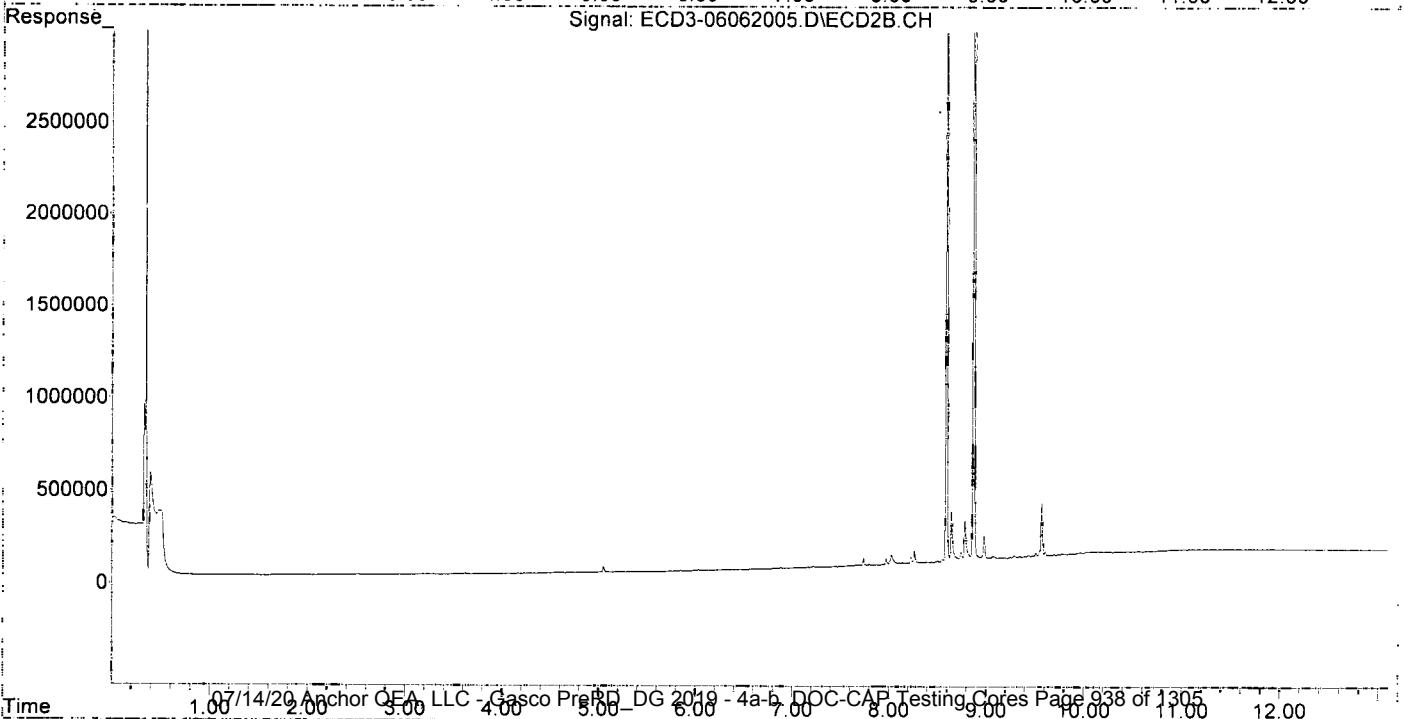
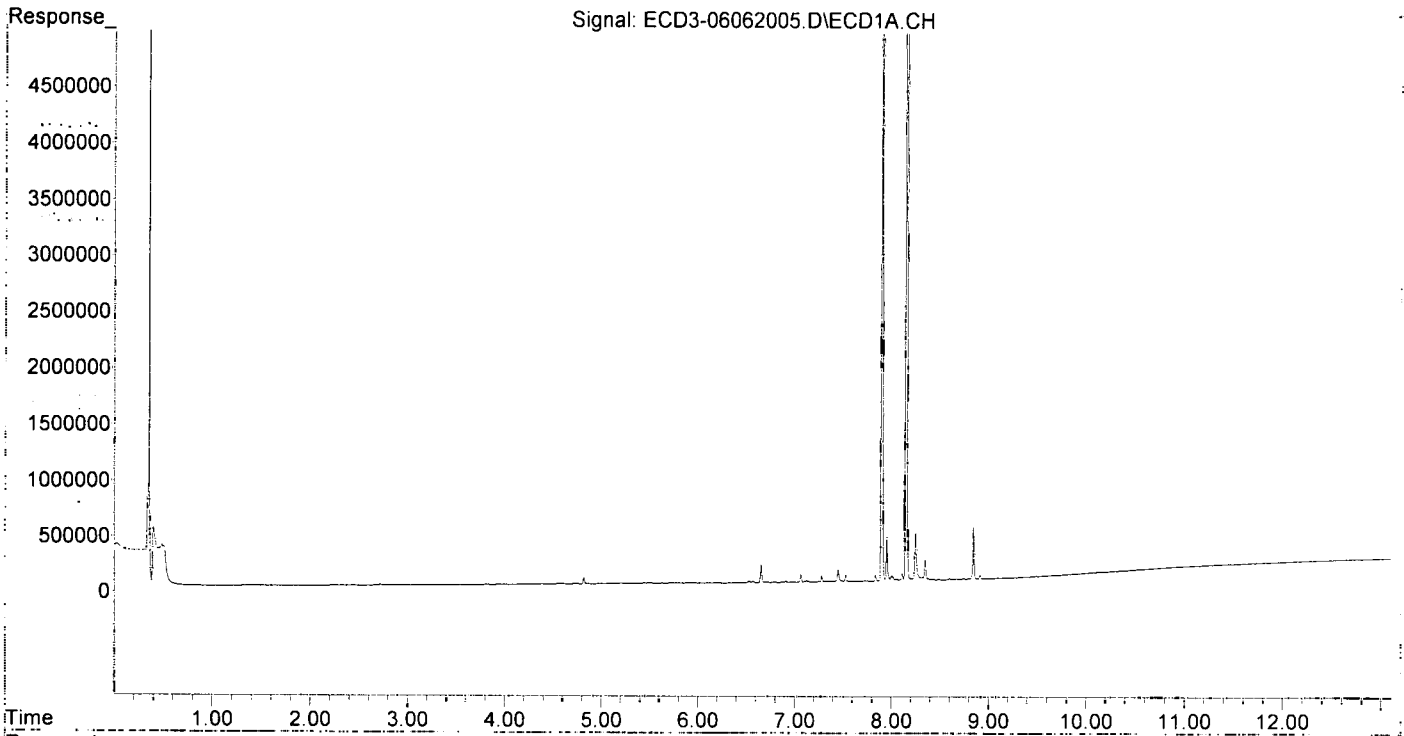
(m)=manual int.

*MJB
4/8/20*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 16:40
Operator : MJB
Sample : 0F06006-BKD2
Misc : A20E203
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 06 16:54:23 2020
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200606.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 17:14
 Operator : MJB
 Sample : 0F06006-CAL1
 Misc : A20F080, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:41:02 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

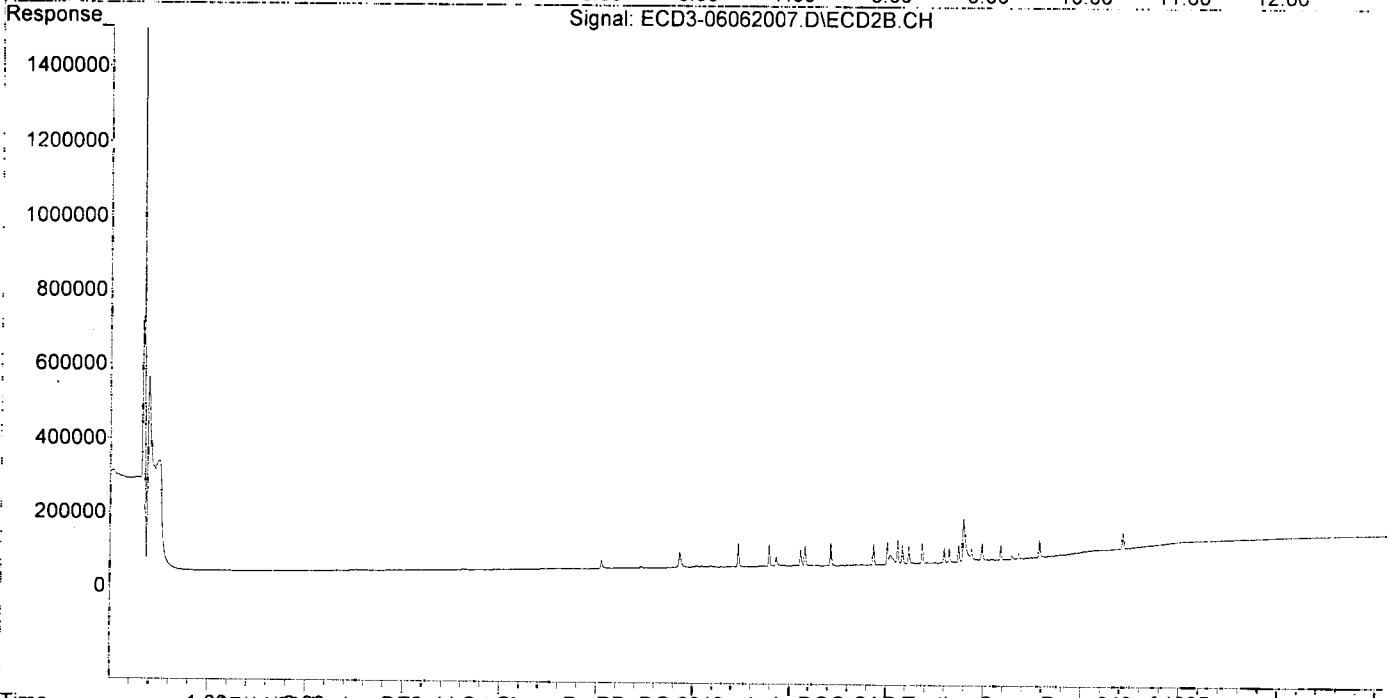
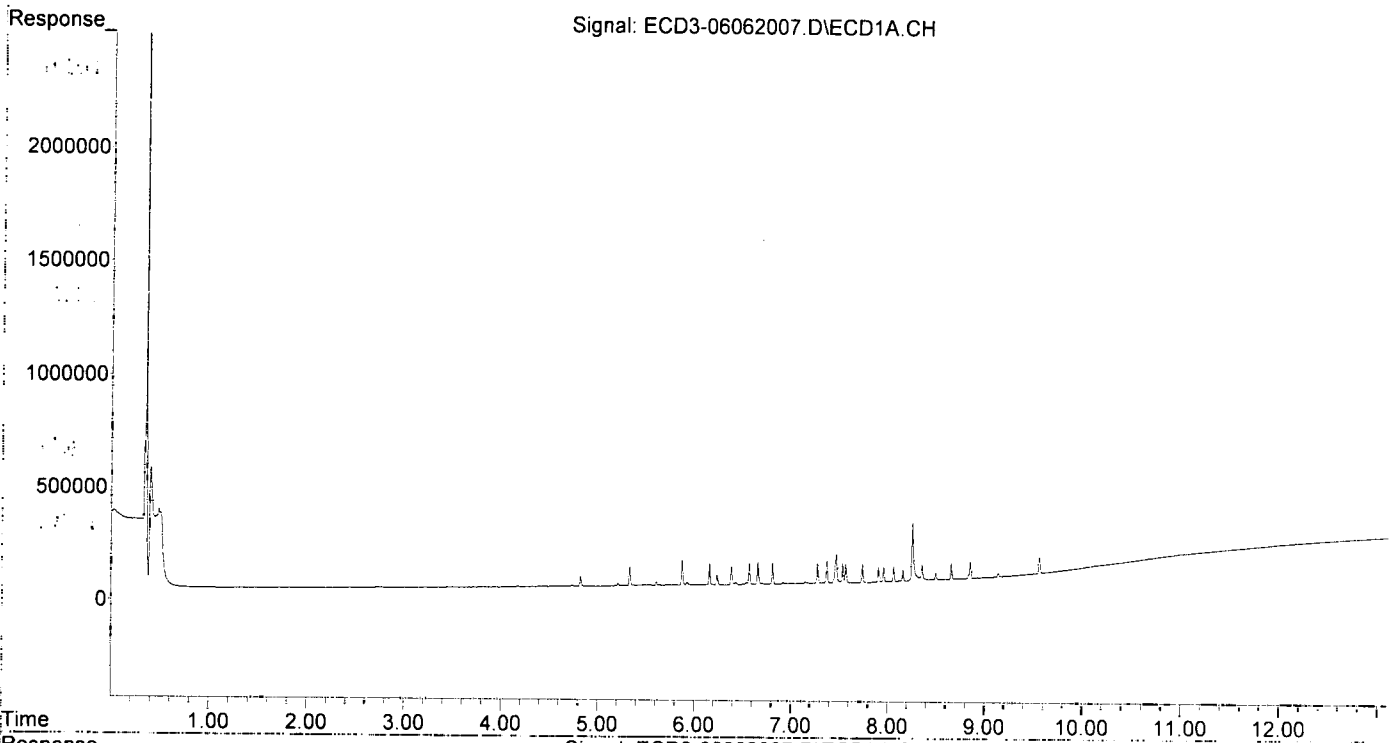
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.329	5.862	82172	42032	0.555	0.231 #
22) S DCBP (S)	9.558	10.429	73672	43135	0.446	0.396
Target Compounds						
2) a-BHC	5.870	6.468	110705	62692	0.547	0.399
3) g-BHC	6.154	6.788	95070	57296	0.551	0.425
4) b-BHC	6.232	6.858	43648	24475	0.640	0.399
5) Heptachlor	6.567	7.161	94788	52395	0.579	0.463
6) d-BHC	6.381	7.112	83205	42574	0.593	0.348 #
7) Aldrin	6.808	7.426	97386	59942	0.581	0.451
8) Heptachlo...	7.273	7.869	89813	56927	0.574	0.484
9) trans-Chl...	7.369	8.010	99385	60295	0.632	0.500
10) cis-Chlor...	7.465	8.118	128347	64771	0.818	0.559
11) Endosulfa...	7.563	8.167	83363	50195	0.581	0.467
12) 4,4'-DDE	7.532	8.232	85822	45972	0.595	0.399
13) Dieldrin	7.737	8.369	84428	54405	0.525	0.454
14) Endrin	7.902	8.596	68179	38928	0.553	0.450
15) 4,4'-DDD	7.956	8.650	68963	37854	0.568	0.401
16) Endosulfa...	8.060	8.746	69503	43523	0.574	0.475
17) 4,4'-DDT	8.154	8.875	51753	32321	0.695	0.662
18) Endrin Al...	8.351	8.985	68896	43549	0.445	0.301
19) Endosulfa...	8.654	9.177	71376	37772	0.593	0.449
20) Methoxychlor	8.494	9.361	28274	13528	0.728	0.569
21) Endrin Ke...	8.849	9.575	74861	44615	0.520	0.466
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:14
Operator : MJB
Sample : 0F06006-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:41:02 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 17:31
 Operator : MJB
 Sample : 0F06006-CAL2
 Misc : A20F081, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:41:39 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/9/20

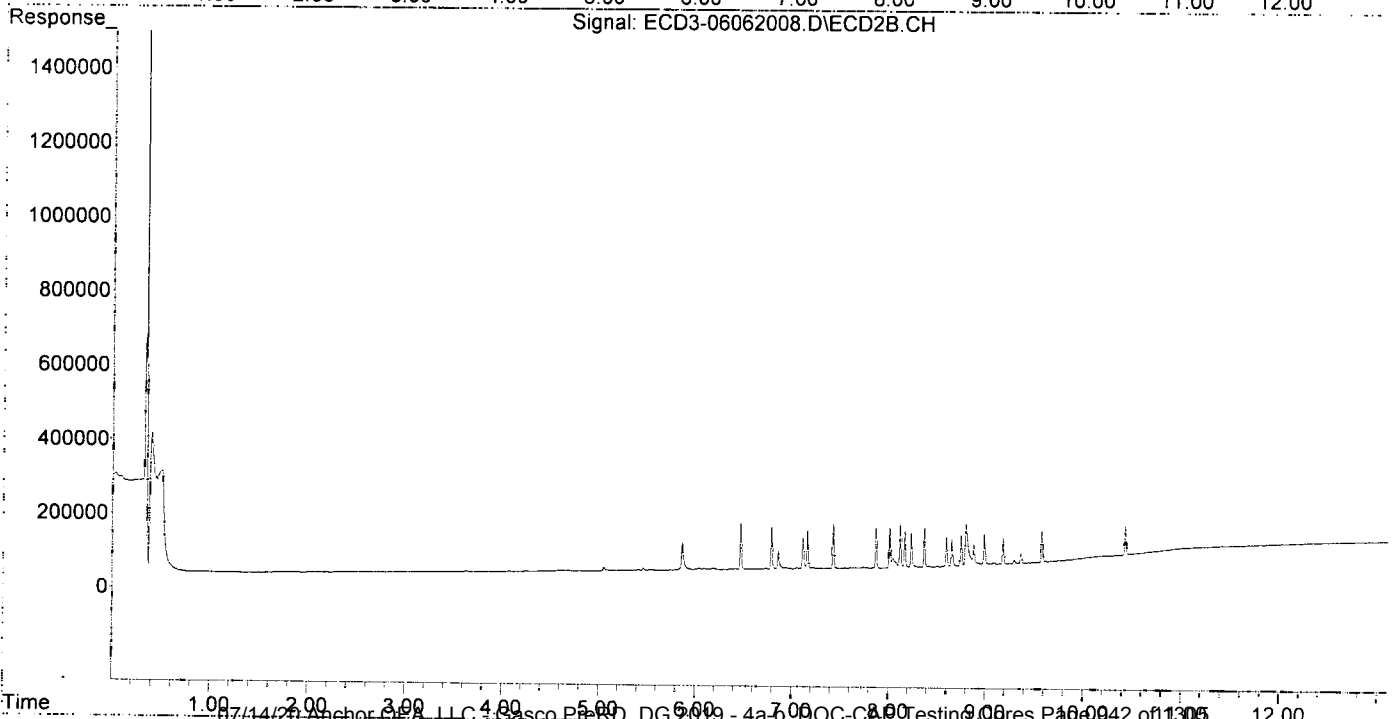
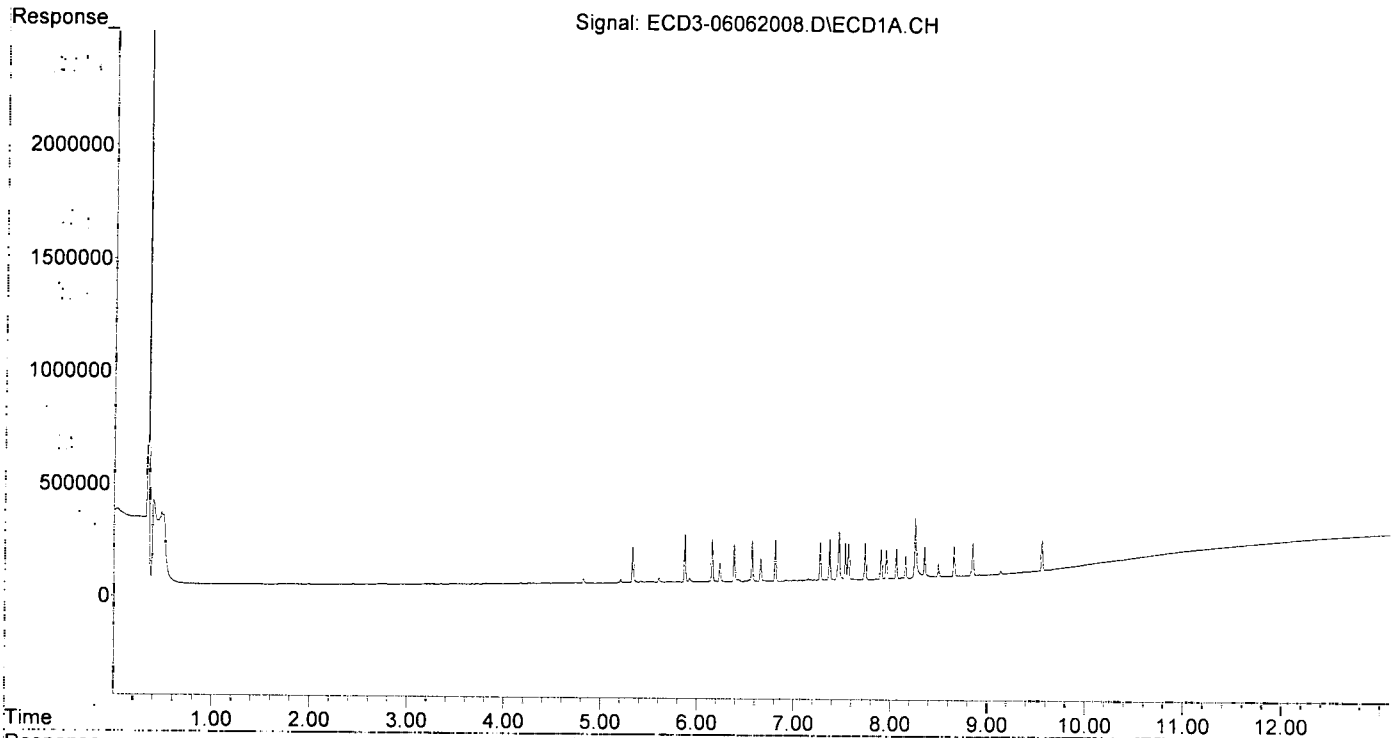
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.330	5.864	156739	71943	1.058	0.494 #
22) S DCBP (S)	9.559	10.429	134350	83248	1.001	0.991
Target Compounds						
2) a-BHC	5.871	6.469	214757	123240	1.062	0.785
3) g-BHC	6.155	6.788	189207	113629	1.096	0.843
4) b-BHC	6.233	6.859	84630	47426	1.241	0.772
5) Heptachlor	6.567	7.161	179138	101461	1.094	0.896
6) d-BHC	6.382	7.114	166513	80293	1.186	0.657 #
7) Aldrin	6.809	7.427	186287	119392	1.111	0.898
8) Heptachlo...	7.273	7.869	169574	110867	1.084	0.942
9) trans-Chl...	7.370	8.010	180419	112185	1.147	0.930
10) cis-Chlor...	7.467	8.119	214311	116602	1.365	1.007
11) Endosulfa...	7.565	8.168	158580	99405	1.105	0.924
12) 4,4'-DDE	7.533	8.233	163871	93759	1.136	0.814
13) Dieldrin	7.737	8.369	163995	107045	1.020	0.894
14) Endrin	7.903	8.596	130330	79520	1.056	0.920
15) 4,4'-DDD	7.957	8.651	127947	71439	1.054	0.757
16) Endosulfa...	8.060	8.746	134148	81083	1.108	0.884
17) 4,4'-DDT	8.156	8.876	97869	56436	1.231	1.102
18) Endrin Al...	8.352	8.986	132240	82638	1.062	0.788
19) Endosulfa...	8.656	9.177	132796	70131	1.102	0.833
20) Methoxychlor	8.495	9.361	55315	26616	1.385	1.075
21) Endrin Ke...	8.849	9.575	145829	84512	1.012	0.883
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:31
Operator : MJB
Sample : 0F06006-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:41:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 17:48
 Operator : MJB
 Sample : 0F06006-CAL3
 Misc : A20C179, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:42:14 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

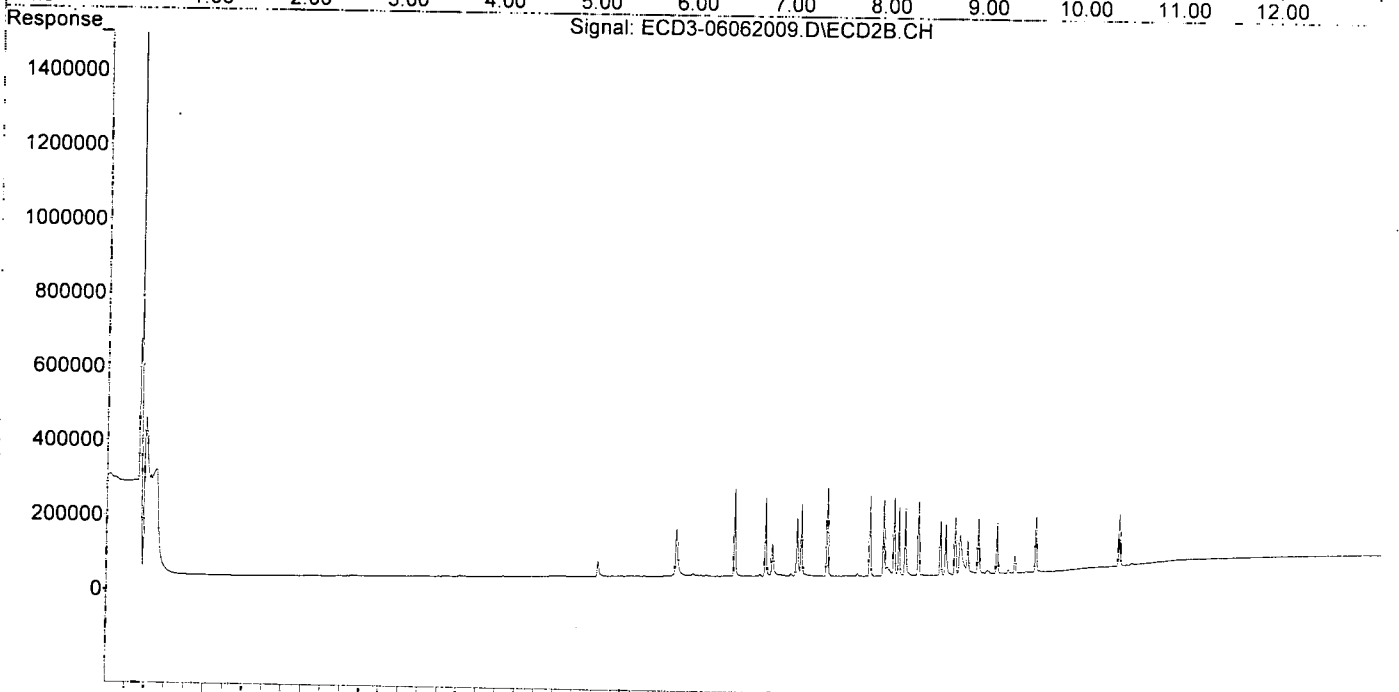
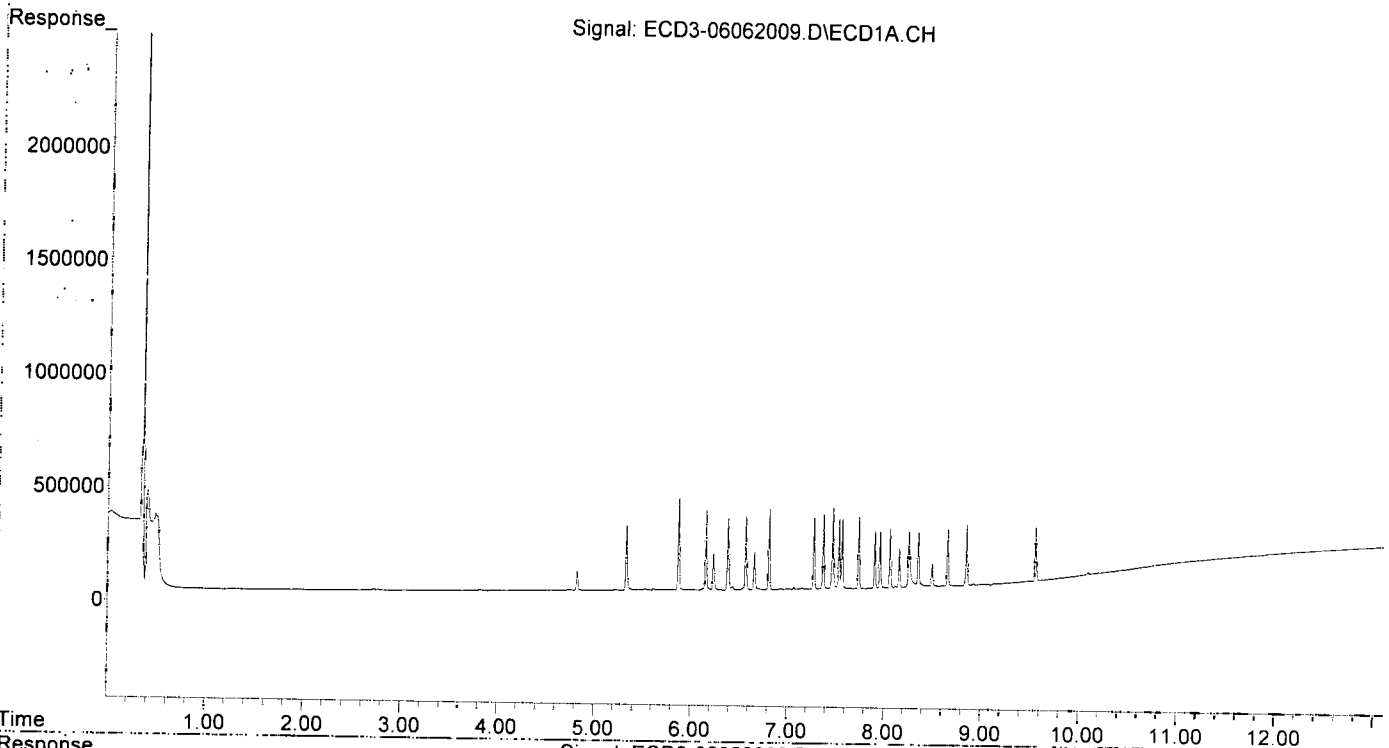
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.865	286095	125033	1.932	0.961 #
22) S DCBP (S)	9.560	10.431	240377	138683	1.970	1.814
Target Compounds						
2) a-BHC	5.873	6.470	404713	235668	2.001	1.501
3) g-BHC	6.157	6.790	354194	210339	2.051	1.561
4) b-BHC	6.235	6.860	157330	85322	2.306	1.389
5) Heptachlor	6.569	7.163	327931	189148	2.003	1.671
6) d-BHC	6.383	7.115	316848	152922	2.257	1.251 #
7) Aldrin	6.811	7.428	358850	236654	2.141	1.781
8) Heptachlo...	7.275	7.871	315650	213991	2.018	1.818
9) trans-Chl...	7.372	8.012	334265	202687	2.124	1.681
10) cis-Chlor...	7.470	8.120	357981	209625	2.281	1.810
11) Endosulfa...	7.566	8.169	309729	184624	2.158	1.717
12) 4,4'-DDE	7.535	8.234	307303	177413	2.130	1.541
13) Dieldrin	7.739	8.370	317350	196753	1.975	1.643
14) Endrin	7.904	8.598	252901	144820	2.050	1.675
15) 4,4'-DDD	7.959	8.652	247550	138295	2.039	1.466
16) Endosulfa...	8.062	8.748	259692	154799	2.145	1.688
17) 4,4'-DDT	8.158	8.878	171502	90021	2.083	1.714
18) Endrin Al...	8.354	8.987	236837	149649	2.080	1.622
19) Endosulfa...	8.658	9.179	251616	132227	2.089	1.571
20) Methoxychlor	8.496	9.362	98336	46940	2.427	1.860
21) Endrin Ke...	8.852	9.577	267630	146790	1.858	1.534
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 17:48
Operator : MJB
Sample : 0F06006-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:42:14 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:05
 Operator : MJB
 Sample : 0F06006-CAL4
 Misc : A20C180, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:42:45 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

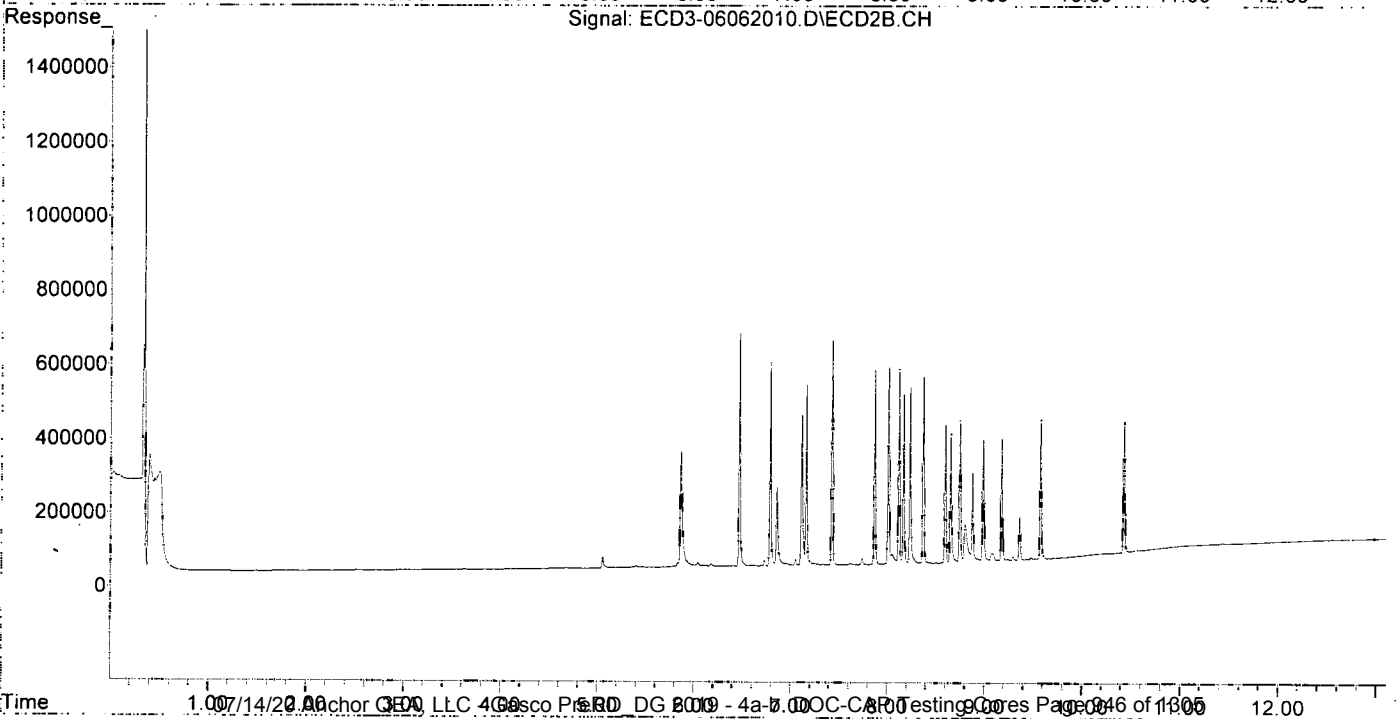
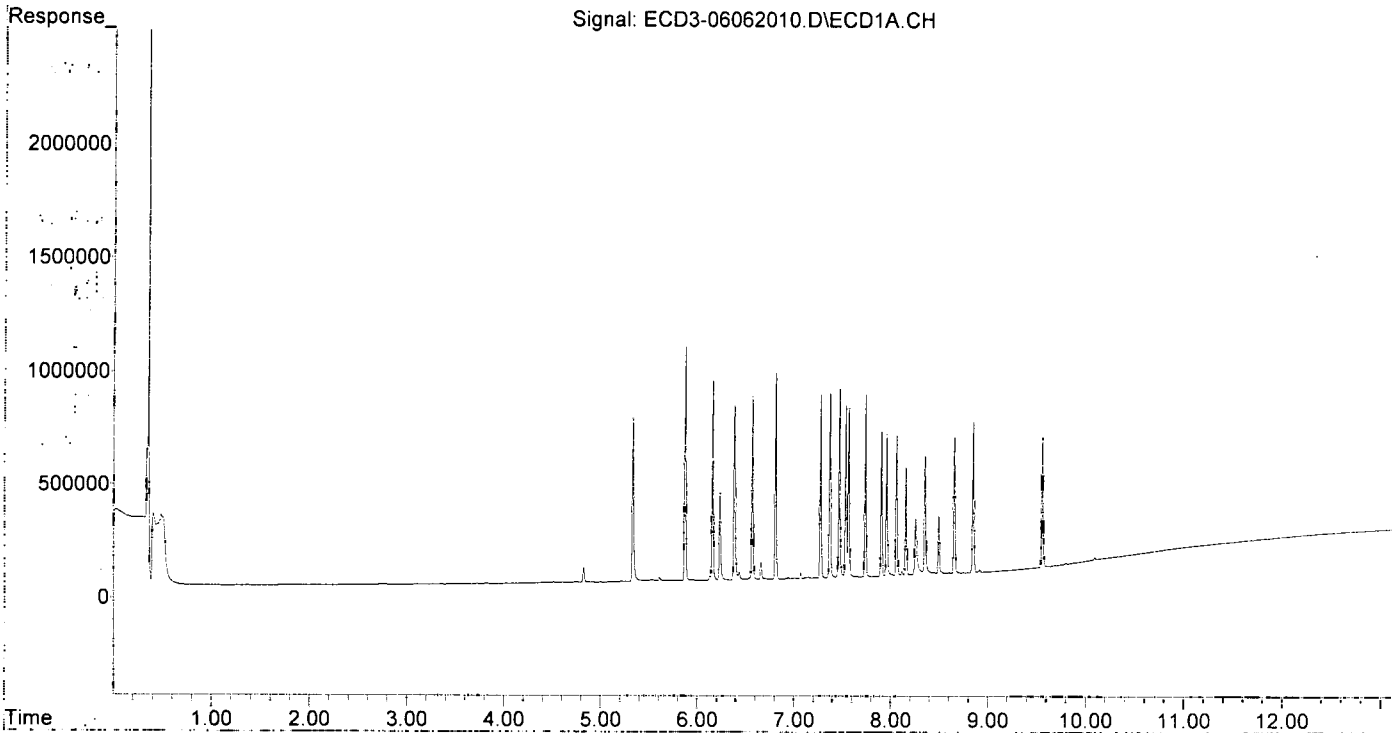
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.864	719246	309275	4.856	2.583 #
22) S DCBP (S)	9.560	10.429	570250	346784	4.983	4.906
Target Compounds						
2) a-BHC	5.872	6.470	1036725	623366	5.125	3.971
3) g-BHC	6.156	6.789	885966	546087	5.131	4.053
4) b-BHC	6.234	6.859	380135	210480	5.572	3.427
5) Heptachlor	6.569	7.162	815381	481146	4.979	4.250
6) d-BHC	6.383	7.114	772799	401316	5.506	3.283 #
7) Aldrin	6.810	7.429	917471	603150	5.473	4.538
8) Heptachlo...	7.275	7.871	812510	520924	5.196	4.426
9) trans-Chl...	7.371	8.012	818806	530122	5.203	4.396
10) cis-Chlor...	7.469	8.120	836868	523193	5.331	4.517
11) Endosulfa...	7.566	8.168	744069	456473	5.184	4.245
12) 4,4'-DDE	7.535	8.234	762514	471358	5.286	4.093
13) Dieldrin	7.739	8.371	808594	499381	5.031	4.170
14) Endrin	7.905	8.599	640431	370096	5.191	4.281
15) 4,4'-DDD	7.958	8.652	622643	345241	5.129	3.659
16) Endosulfa...	8.062	8.748	618412	379685	5.109	4.140
17) 4,4'-DDT	8.157	8.877	471883	237792	5.523	4.386
18) Endrin Al...	8.354	8.987	523105	326529	4.864	3.828
19) Endosulfa...	8.657	9.177	603835	327808	5.013	3.894
20) Methoxychlor	8.496	9.362	254542	115674	6.174	4.491
21) Endrin Ke...	8.851	9.577	667572	374954	4.634	3.919
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:05
Operator : MJB
Sample : 0F06006-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:42:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:22
 Operator : MJB
 Sample : 0F06006-CAL5
 Misc : A20C181, AB 10 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:43:16 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

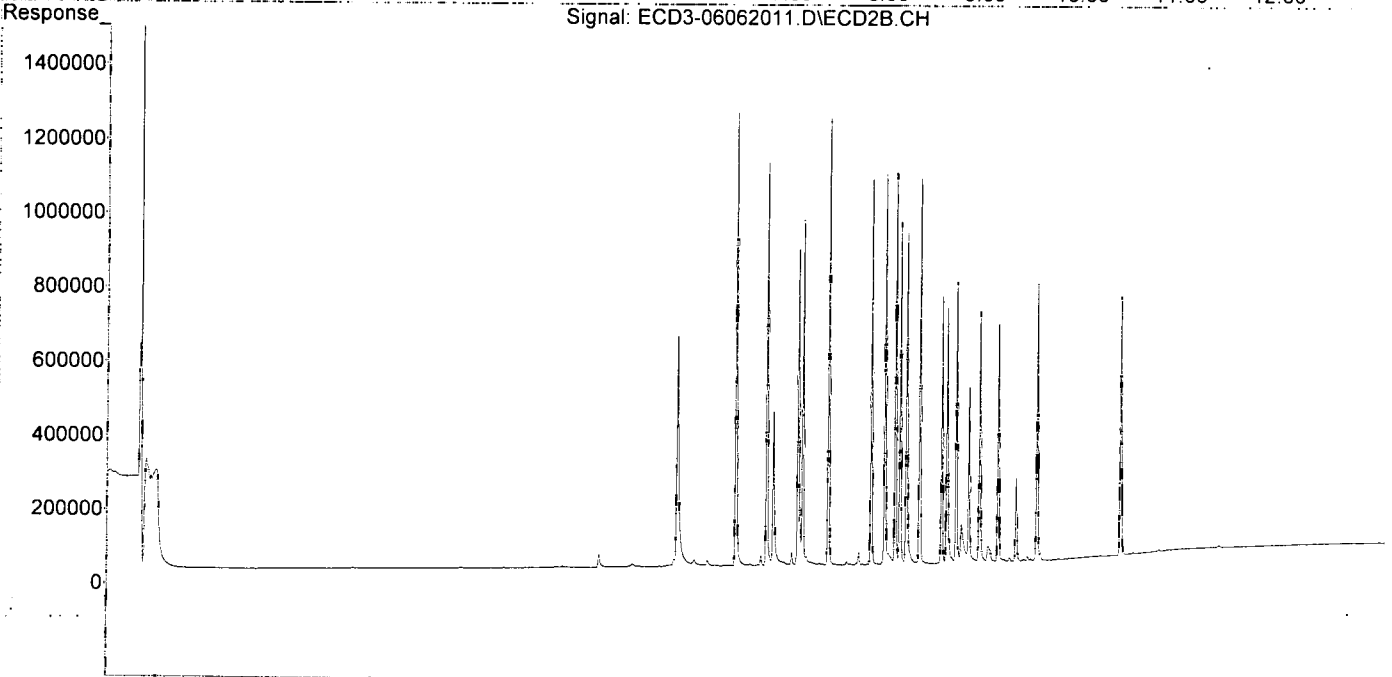
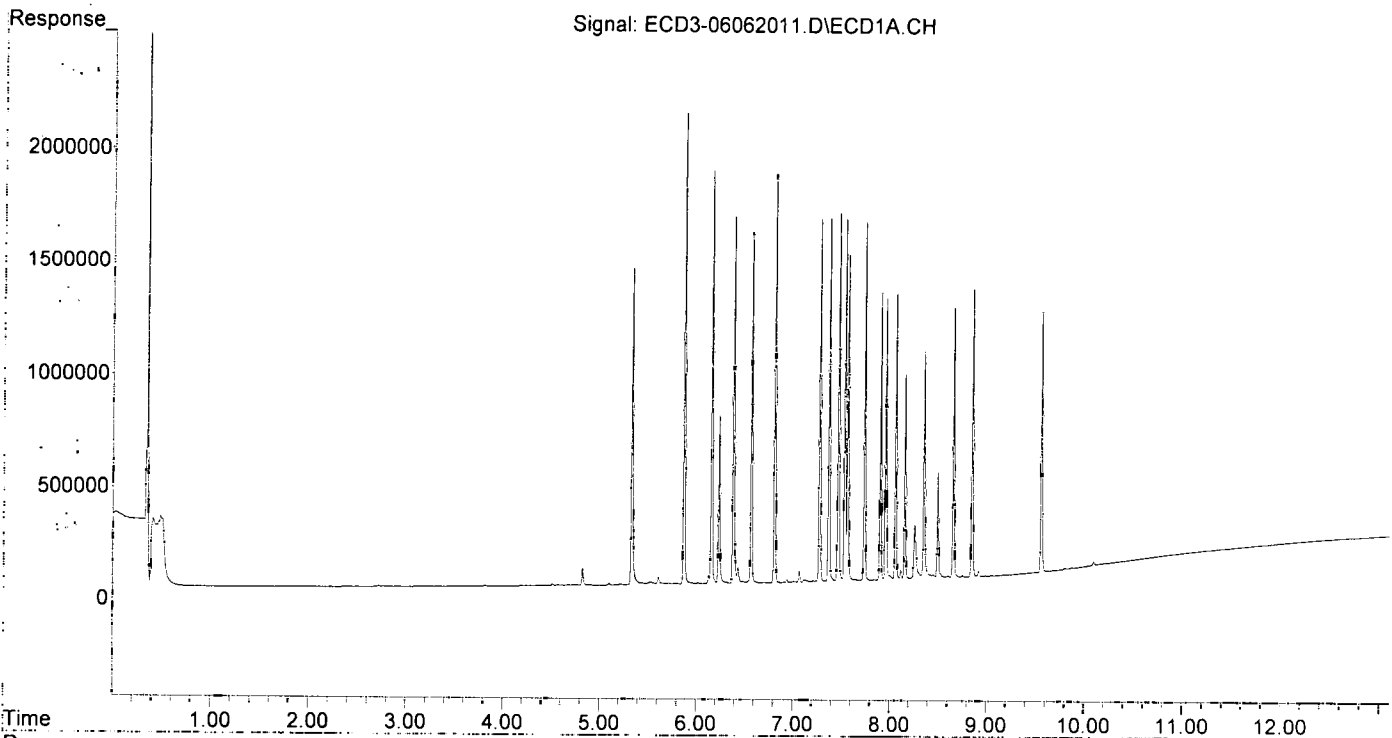
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.864	1404797	617071	9.485	5.299 #
22) S DCBP (S)	9.560	10.430	1153610	692441	10.311	10.063
Target Compounds						
2) a-BHC	5.873	6.470	2088331	1214408	10.323	7.736
3) g-BHC	6.157	6.789	1833222	1081852	10.616	8.030
4) b-BHC	6.235	6.858	743116	413616	10.893	6.735
5) Heptachlor	6.569	7.162	1558774	919176	9.519	8.120
6) d-BHC	6.383	7.113	1632205	845697	11.628	6.919 #
7) Aldrin	6.810	7.429	1819478	1195910	10.853	8.999
8) Heptachlo...	7.275	7.870	1611187	1035509	10.303	8.798
9) trans-Chl...	7.372	8.011	1613897	1045932	10.256	8.673
10) cis-Chlor...	7.470	8.119	1634409	1052527	10.412	9.087
11) Endosulfa...	7.566	8.168	1447903	916395	10.088	8.522
12) 4,4'-DDE	7.535	8.234	1603795	883347	11.118	7.671
13) Dieldrin	7.739	8.370	1591494	1033607	9.903	8.632
14) Endrin	7.905	8.598	1271001	715799	10.303	8.280
15) 4,4'-DDD	7.958	8.652	1250845	686251	10.303	7.272
16) Endosulfa...	8.061	8.748	1266904	753227	10.466	8.212
17) 4,4'-DDT	8.157	8.877	910700	471457	10.449	8.551
18) Endrin Al...	8.354	8.987	1011600	670797	9.613	8.129
19) Endosulfa...	8.657	9.178	1198998	638099	9.954	7.580
20) Methoxychlor	8.497	9.362	469788	223833	11.244	8.572
21) Endrin Ke...	8.852	9.577	1278679	739050	8.877	7.725
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:22
Operator : MJB
Sample : 0F06006-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:43:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:39
 Operator : MJB
 Sample : 0F06006-CAL6
 Misc : A20C182, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:43:49 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

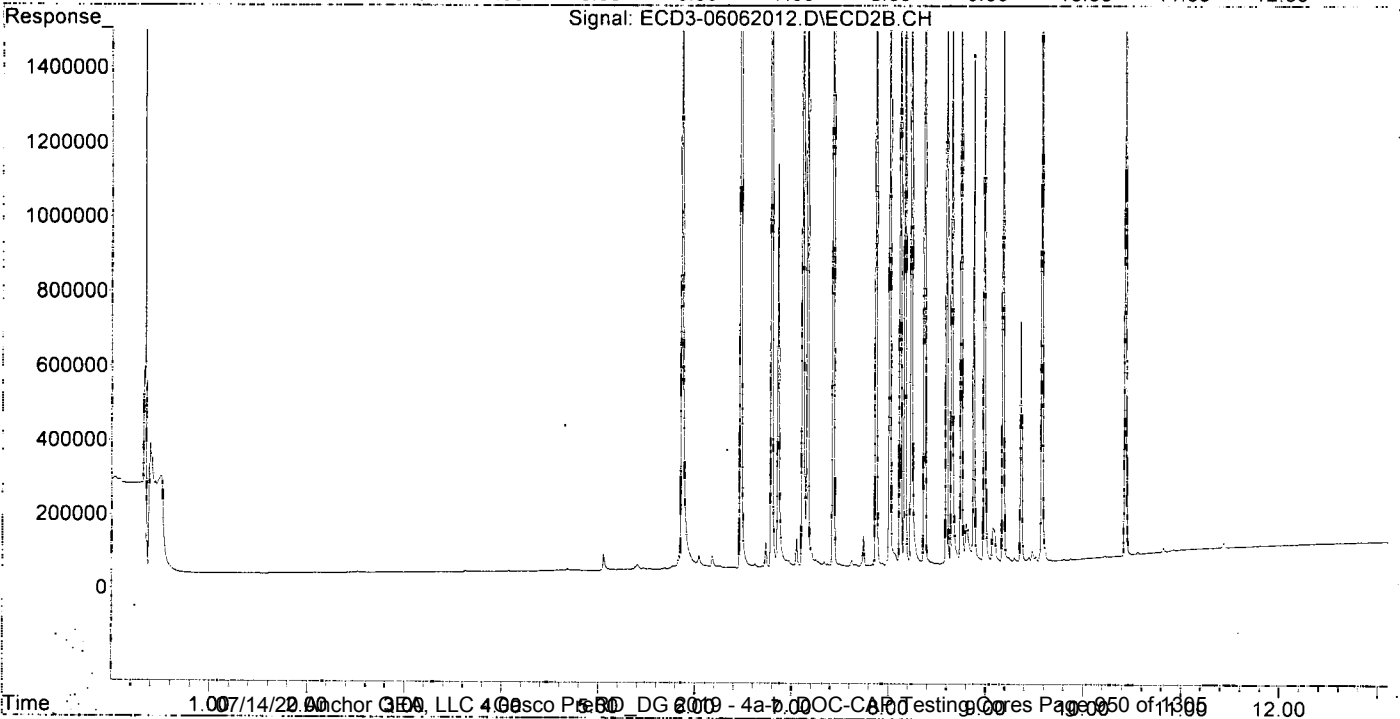
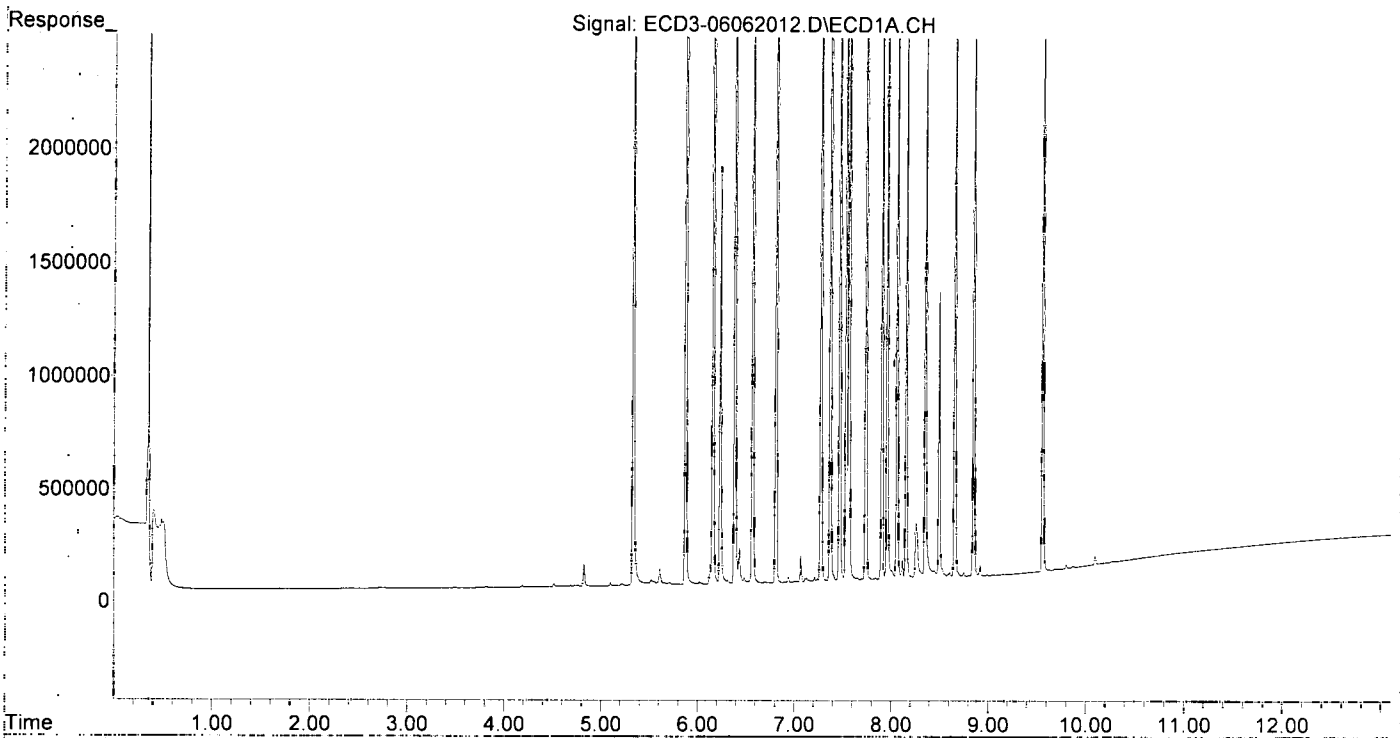
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.862	3647612	1664359	24.628	14.599 #
22) S DCBP (S)	9.560	10.430	2710827	1649693	24.523	24.466
Target Compounds						
2) a-BHC	5.873	6.470	5223830	3161205	25.823	20.138
3) g-BHC	6.157	6.789	4557686	2775402	26.394	20.600
4) b-BHC	6.233	6.857	1848393	1076238	27.094	17.524
5) Heptachlor	6.568	7.162	3933043	2394873	24.019	21.156
6) d-BHC	6.382	7.113	4050412	2196848	28.856	17.972
7) Aldrin	6.811	7.428	4518691	3003078	26.955	22.597
8) Heptachlo...	7.274	7.870	3859009	2564964	24.677	21.794
9) trans-Chl...	7.371	8.011	3960440	2679942	25.168	22.221
10) cis-Chlor...	7.469	8.120	3932329	2521941	25.051	21.773
11) Endosulfa...	7.566	8.168	3604233	2246767	25.113	20.893
12) 4,4'-DDE	7.534	8.233	4035047	2294621	27.972	19.927
13) Dieldrin	7.739	8.370	4053928	2537009	25.225	21.187
14) Endrin	7.905	8.598	3099943	1878719	25.129	21.732
15) 4,4'-DDD	7.958	8.651	3236670	1757252	26.660	18.622
16) Endosulfa...	8.061	8.747	3088788	1981534	25.517	21.605
17) 4,4'-DDT	8.157	8.877	2570636	1358409	28.132	23.737
18) Endrin Al...	8.354	8.986	2470738	1609614	23.775	19.913
19) Endosulfa...	8.657	9.178	2939891	1710437	24.406	20.319
20) Methoxychlor	8.497	9.361	1269710	641962	29.229	23.711
21) Endrin Ke...	8.851	9.577	3300239	1944851	22.911	20.328
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:39
Operator : MJB
Sample : 0F06006-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:43:49 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 18:56
 Operator : MJB
 Sample : 0F06006-CAL7
 Misc : A20E232, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:39:56 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/9/20

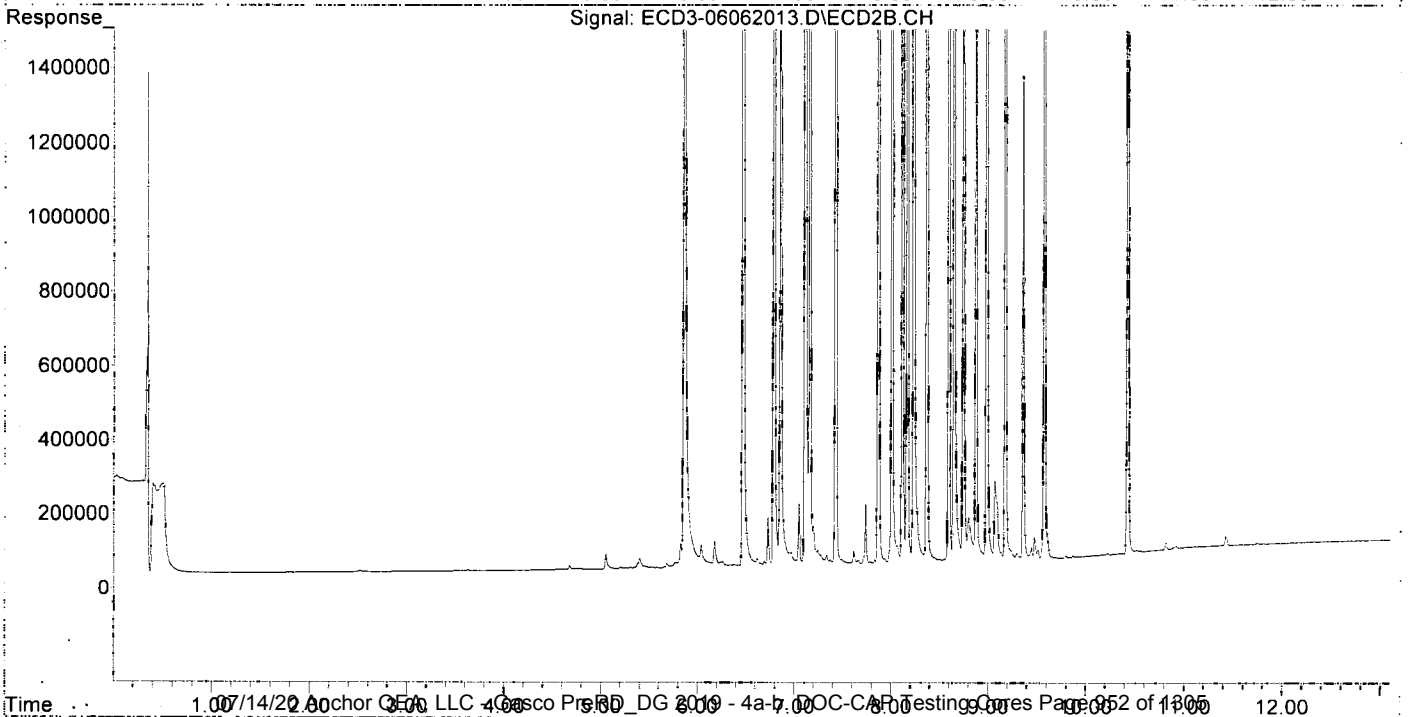
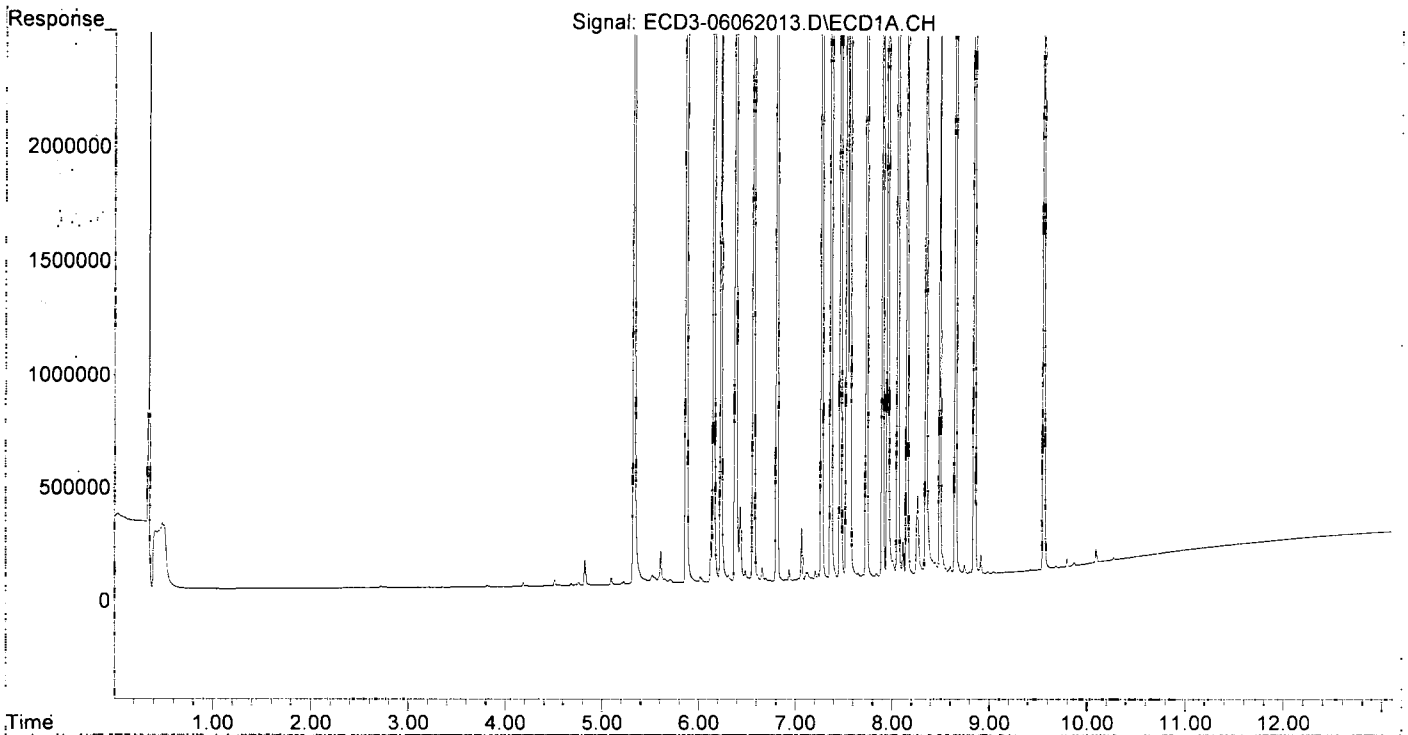
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.332	5.861	7416036	3489590	50.072	31.033
22) S DCBP (S)	9.561	10.430	5700635	3300114	51.774	49.746
Target Compounds						
2) a-BHC	5.873	6.470	10875994	6247664	53.763	39.801
3) g-BHC	6.157	6.789	9264067	5610698	53.648	41.645
4) b-BHC	6.233	6.857	3763215	2196169	55.161	35.759
5) Heptachlor	6.569	7.162	7791340	4806622	47.581	42.460
6) d-BHC	6.382	7.112	8455686	4583521	60.239	37.497
7) Aldrin	6.811	7.428	8990610	6039846	53.630	45.448
8) Heptachlo...	7.275	7.870	7738184	5152570	49.482	43.780
9) trans-Chl...	7.370	8.011	8269836	5400596	52.554	44.780
10) cis-Chlor...	7.469	8.119	8088516	5197653	51.529	44.874
11) Endosulfa...	7.565	8.168	7163291	4478092	49.911	41.642
12) 4,4'-DDE	7.534	8.233	8283550	4736807	57.424	41.135
13) Dieldrin	7.739	8.370	7975641	5212767	49.627	43.533
14) Endrin	7.904	8.598	6164686	3683295	49.972	42.606
15) 4,4'-DDD	7.958	8.651	6338429	3603906	52.209	38.191
16) Endosulfa...	8.061	8.746	6050141	3859563	49.980	42.081
17) 4,4'-DDT	8.157	8.877	5217700	2820324	53.819	46.955
18) Endrin Al...	8.353	8.986	4817726	3328090	46.483	41.701
19) Endosulfa...	8.656	9.178	5896726	3551474	48.952	42.190
20) Methoxychlor	8.496	9.361	2487034	1289787	54.456	45.482
21) Endrin Ke...	8.851	9.577	6700488	3973627	46.516	41.532
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 18:56
Operator : MJB
Sample : 0F06006-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:39:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 19:13
 Operator : MJB
 Sample : 0F06006-CAL8
 Misc : A20E233, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:44:24 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJD
6/6/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.331	5.859	15021411	7338753	101.423	66.703
22) S DCBP (S)	9.560	10.429	11245486	6892489	102.185	106.909
Target Compounds						
2) a-BHC	5.872	6.469	21951973	12737699	108.515	81.146
3) g-BHC	6.156	6.789	19207620	11494426	111.231	85.318
4) b-BHC	6.232	6.855	7999243	4678127	117.253	76.171
5) Heptachlor	6.568	7.162	16392437	10557568	100.108	93.263
6) d-BHC	6.381	7.111	18149050	9722557	129.296	79.539
7) Aldrin	6.810	7.428	18252316	12198805	108.877	91.792
8) Heptachlo...	7.274	7.869	15920982	10475138	101.807	89.004
9) trans-Chl...	7.370	8.010	16930894	10793177	107.594	89.494
10) cis-Chlor...	7.468	8.118	16205181	10453061	103.237	90.247
11) Endosulfa...	7.565	8.167	14102829	9451330	98.263	87.888
12) 4,4'-DDE	7.534	8.231	16799010	9786527	116.456	84.988
13) Dieldrin	7.738	8.369	16591501	10667186	103.237	89.084
14) Endrin	7.904	8.597	13488796	8056758	109.842	93.196
15) 4,4'-DDD	7.957	8.649	13364085	7544070	110.079	79.945
16) Endosulfa...	8.060	8.746	12775333	8289787	105.537	90.384
17) 4,4'-DDT	8.155	8.876	11622287	6575103	107.282	99.161
18) Endrin Al...	8.353	8.985	10186816	6856379	98.101	87.354
19) Endosulfa...	8.656	9.177	12864370	7584211	106.794	90.097
20) Methoxychlor	8.496	9.360	5531510	3199829	109.534	101.255
21) Endrin Ke...	8.850	9.576	14098521	8564413	97.875	89.515
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 19:30
 Operator : MJB
 Sample : 0F06006-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:44:58 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MB
6/8/20

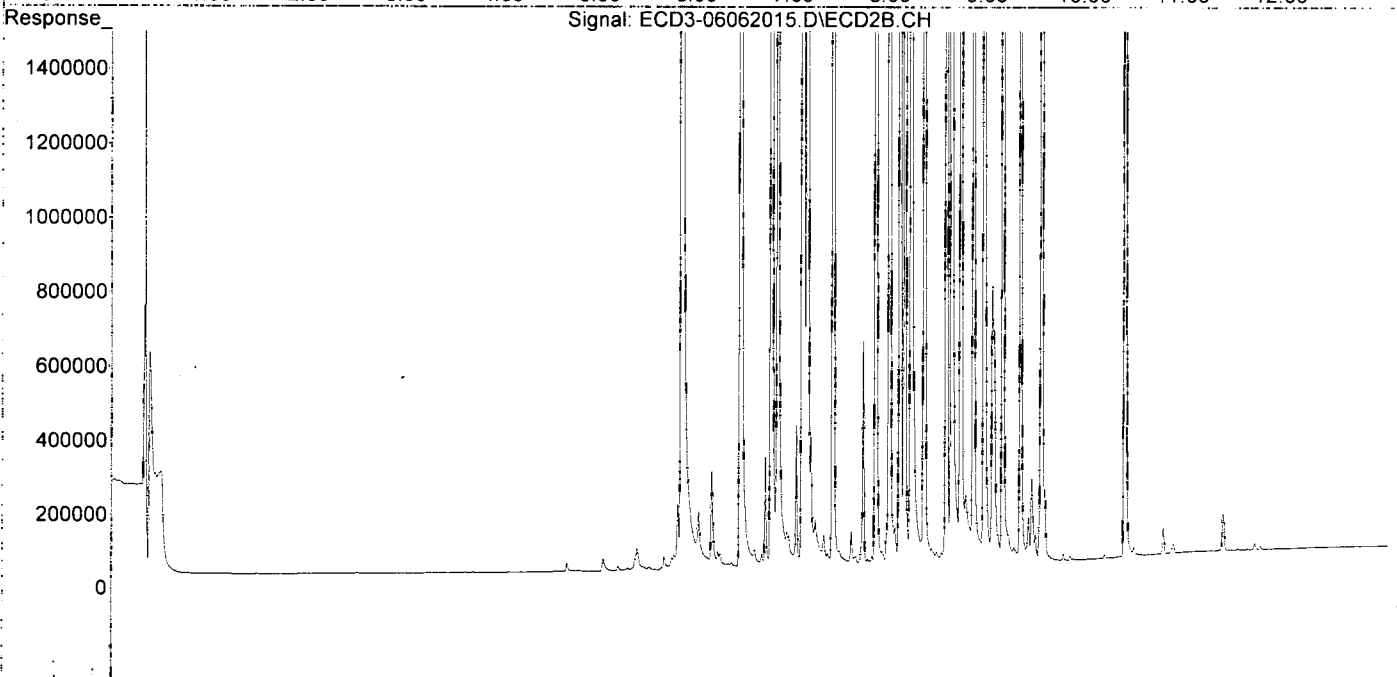
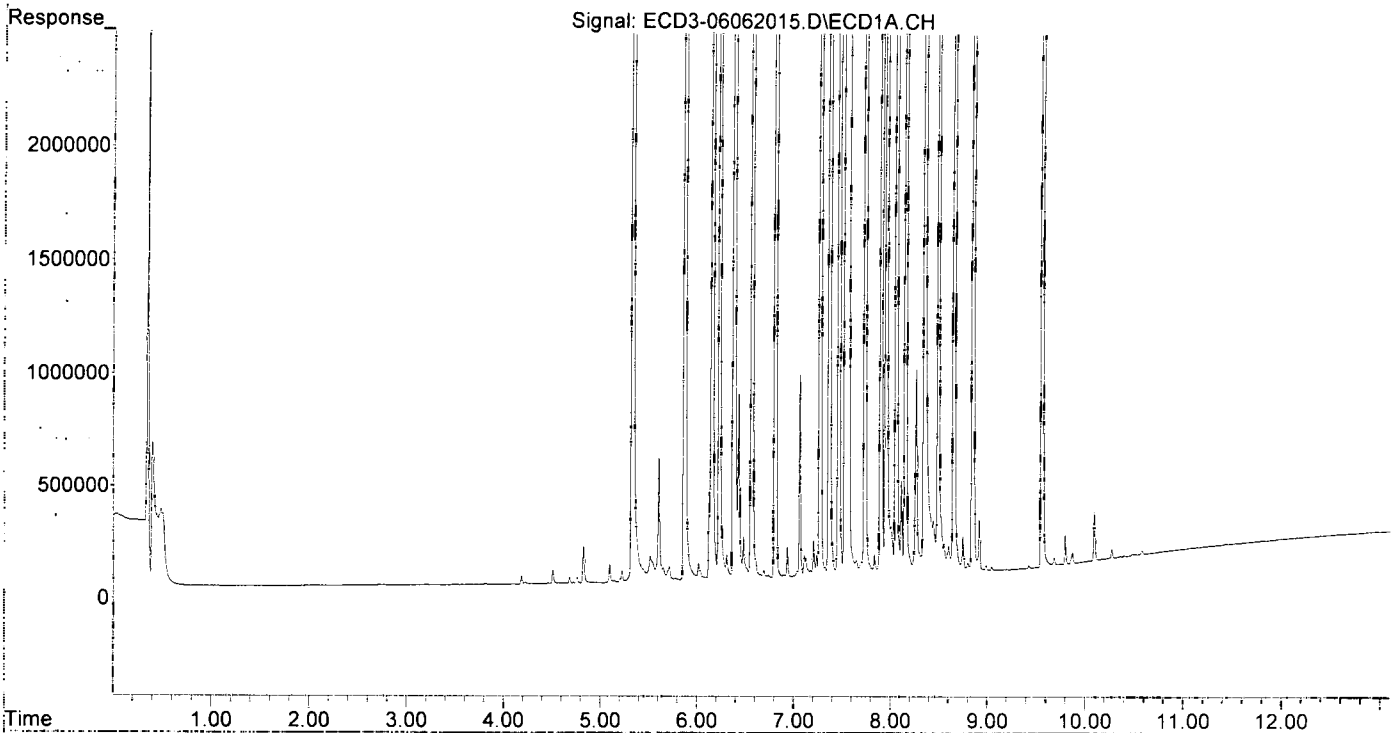
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.331	5.858	30521945	15520735	206.080	147.829
22) S DCBP (S)	9.559	10.429	22140540	13017886	200.760	212.469
Target Compounds						
2) a-BHC	5.872	6.468	43652728	25291980	215.788	161.123
3) g-BHC	6.156	6.788	38554392	22908050	223.268	170.035
4) b-BHC	6.232	6.855	16167895	9881780	236.989	160.898
5) Heptachlor	6.568	7.161	33721514	20197886	205.935	178.422
6) d-BHC	6.381	7.110	36274773	20227375	258.427	165.478
7) Aldrin	6.810	7.428	36541413	22760844	217.974	171.267
8) Heptachlo...	7.273	7.869	31398636	19974160	200.780	169.715
9) trans-Chl...	7.369	8.010	33738062	20975682	214.403	173.924
10) cis-Chlor...	7.468	8.118	32684599	20399718	208.222	176.122
11) Endosulfa...	7.564	8.167	29812068	17928483	207.718	166.718
12) 4,4'-DDE	7.533	8.231	34267932	19554676	237.555	169.817
13) Dieldrin	7.738	8.369	33694446	21263096	209.656	177.573
14) Endrin	7.903	8.597	26227783	16292611	212.606	188.463
15) 4,4'-DDD	7.956	8.649	27535691	15815260	226.809	167.595
16) Endosulfa...	8.059	8.745	25052470	15948402	206.959	173.886
17) 4,4'-DDT	8.155	8.876	24350684	13796096	192.614	181.331
18) Endrin Al...	8.352	8.985	19997286	13407126	191.275	175.729
19) Endosulfa...	8.656	9.177	24697099	15006525	205.024	178.272
20) Methoxychlor	8.494	9.360	11838765	6805534	202.044	186.296
21) Endrin Ke...	8.851	9.575	28881016	16832328	200.497	175.931
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 19:30
Operator : MJB
Sample : 0F06006-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:44:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 20:22
 Operator : MJB
 Sample : 0F06006-CALA
 Misc : A20F082, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:49:49 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/6/20*

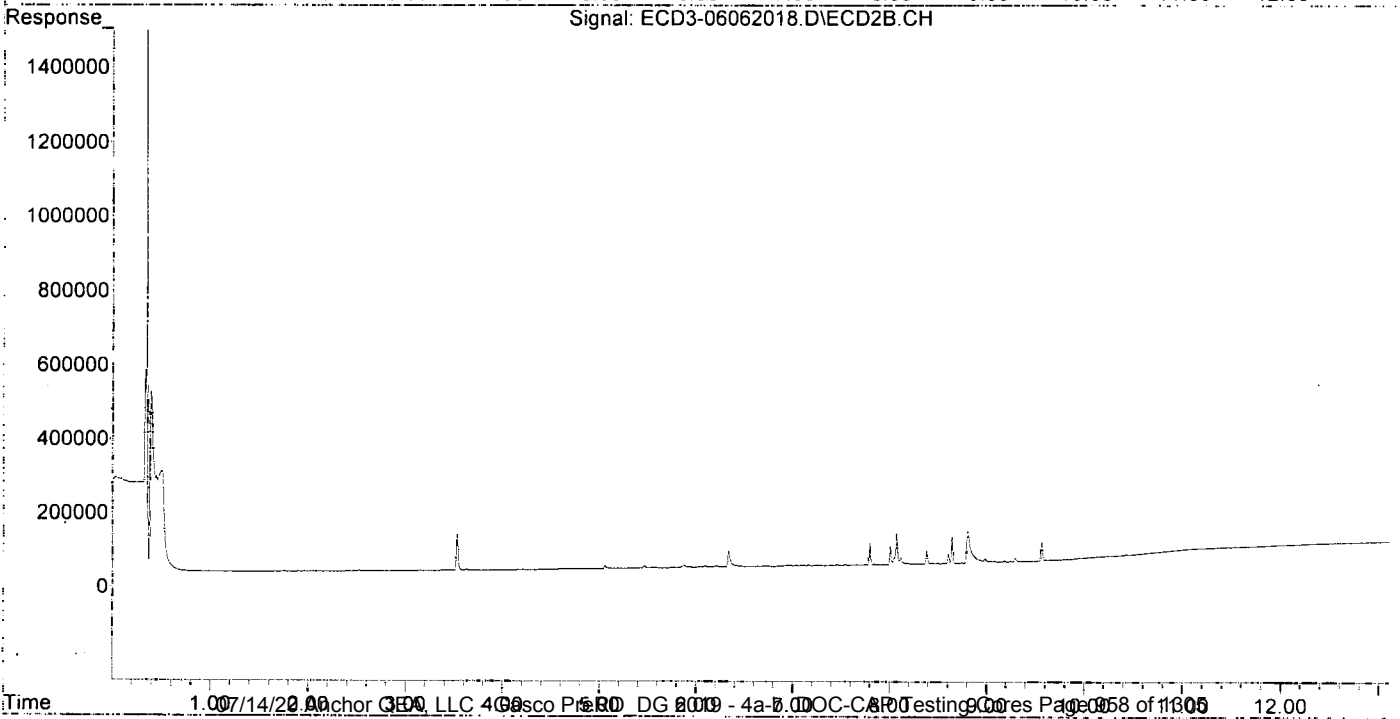
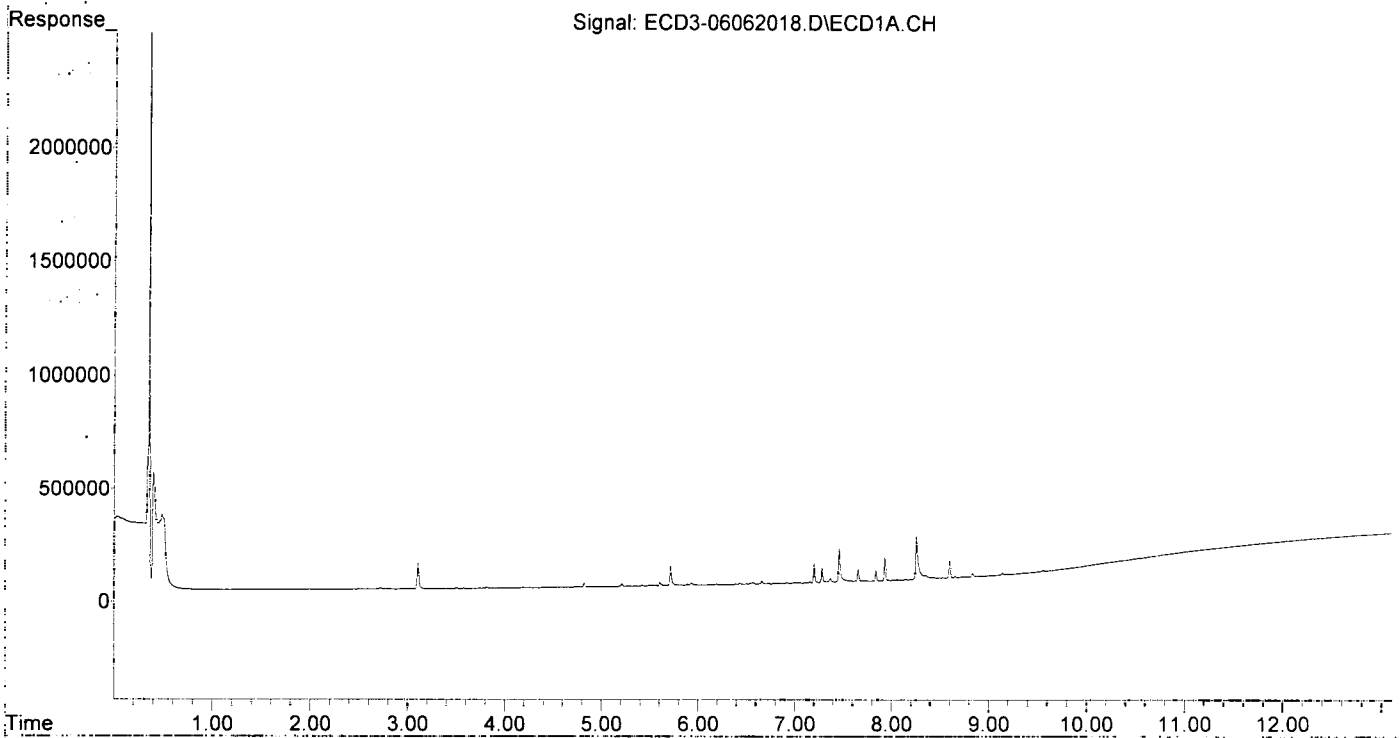
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.106	3.529	115920	96859	0.507	0.382
24) Hexachlor...	5.716	6.336	87273	41220	0.453	0.134 #
25) Oxychlorane	7.202	7.797	84567	57877	0.454	0.367
26) 2,4'-DDE	7.283	8.009	65322	49247	0.541	0.406
27) trans-Non...	7.462	8.073	145448	82206	0.808	0.525
28) 2,4'-DDD	7.658	8.384	52698	34549	0.430	0.228 #
29) 2,4'-DDT	7.840	8.608	46876	26110	0.623	0.487
30) cis-Nonac...	7.934	8.643	103278	71324	0.463	0.378
31) Mirex	8.602	9.564	75670	48879	0.394	0.308
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:22
Operator : MJB
Sample : 0F06006-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:49:49 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 20:39
 Operator : MJB
 Sample : 0F06006-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:50:31 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/16/20

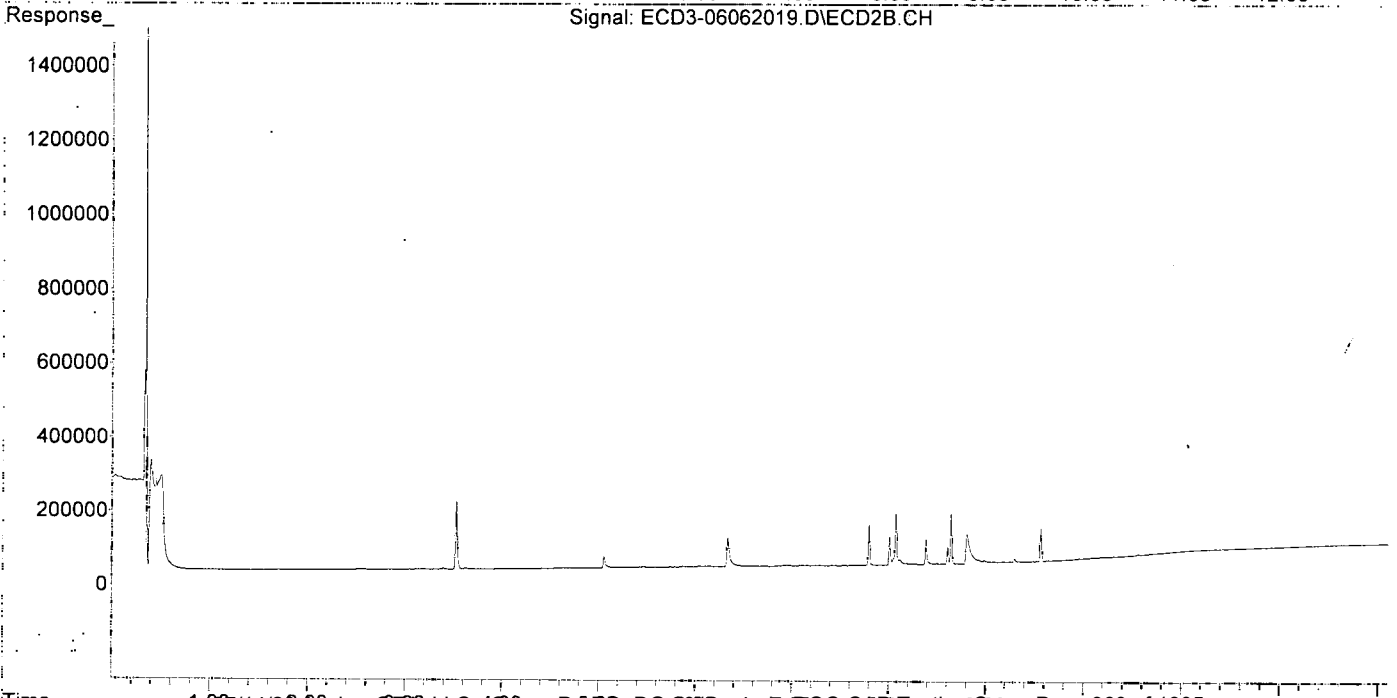
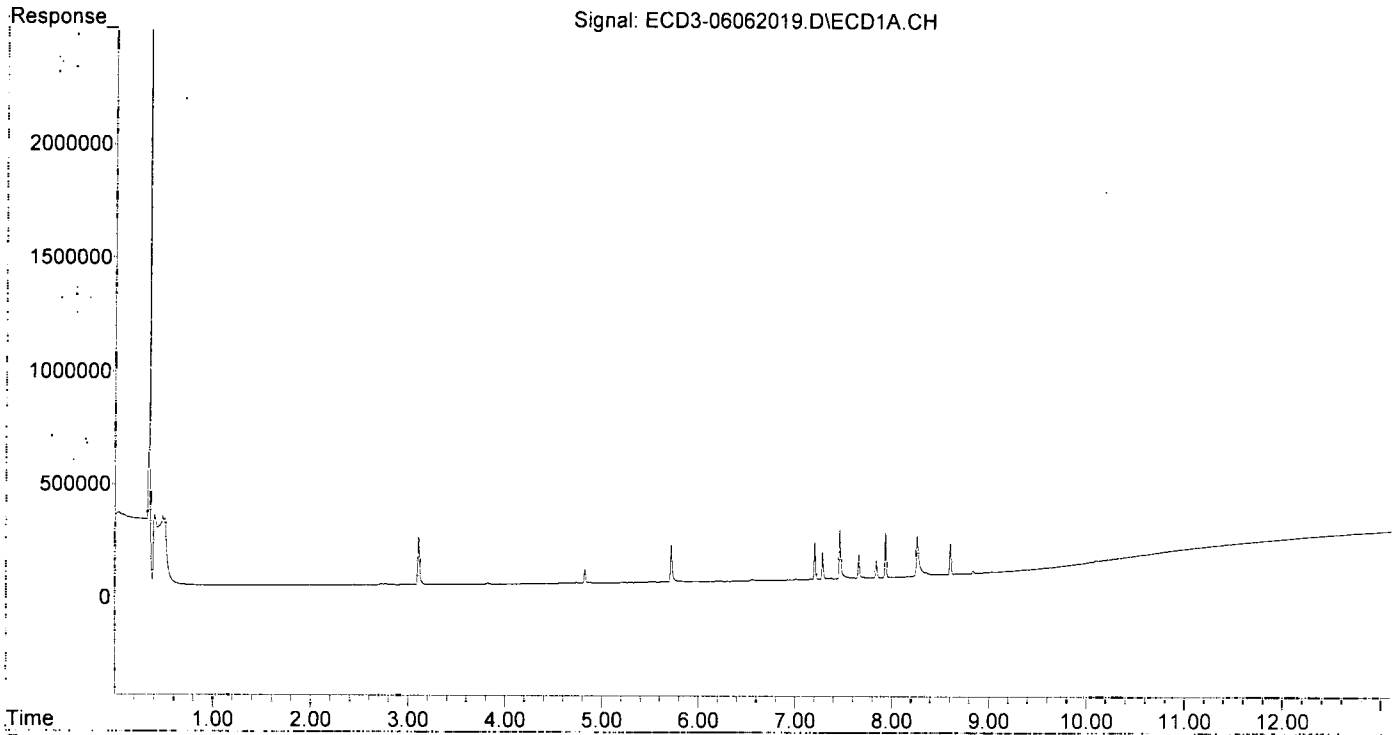
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.106	3.529	211814	180820	1.061	0.893
24) Hexachlor...	5.717	6.337	164190	75347	1.031	0.448 #
25) Oxychlorane	7.203	7.798	164264	107735	1.070	0.872
26) 2,4'-DDE	7.283	8.010	121465	76268	1.163	0.755
27) trans-Non...	7.462	8.075	215322	135976	1.296	1.013
28) 2,4'-DDD	7.658	8.385	105471	66814	1.078	0.713
29) 2,4'-DDT	7.841	8.609	78212	45318	1.039	0.845
30) cis-Nonac...	7.934	8.644	200869	133086	1.107	0.909
31) Mirex	8.603	9.565	137658	87426	1.021	0.877
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:39
Operator : MJB
Sample : 0F06006-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:50:31 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: : 06 Jun 2020 20:56
 Operator : MJB
 Sample : 0F06006-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:51:08 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/6/20

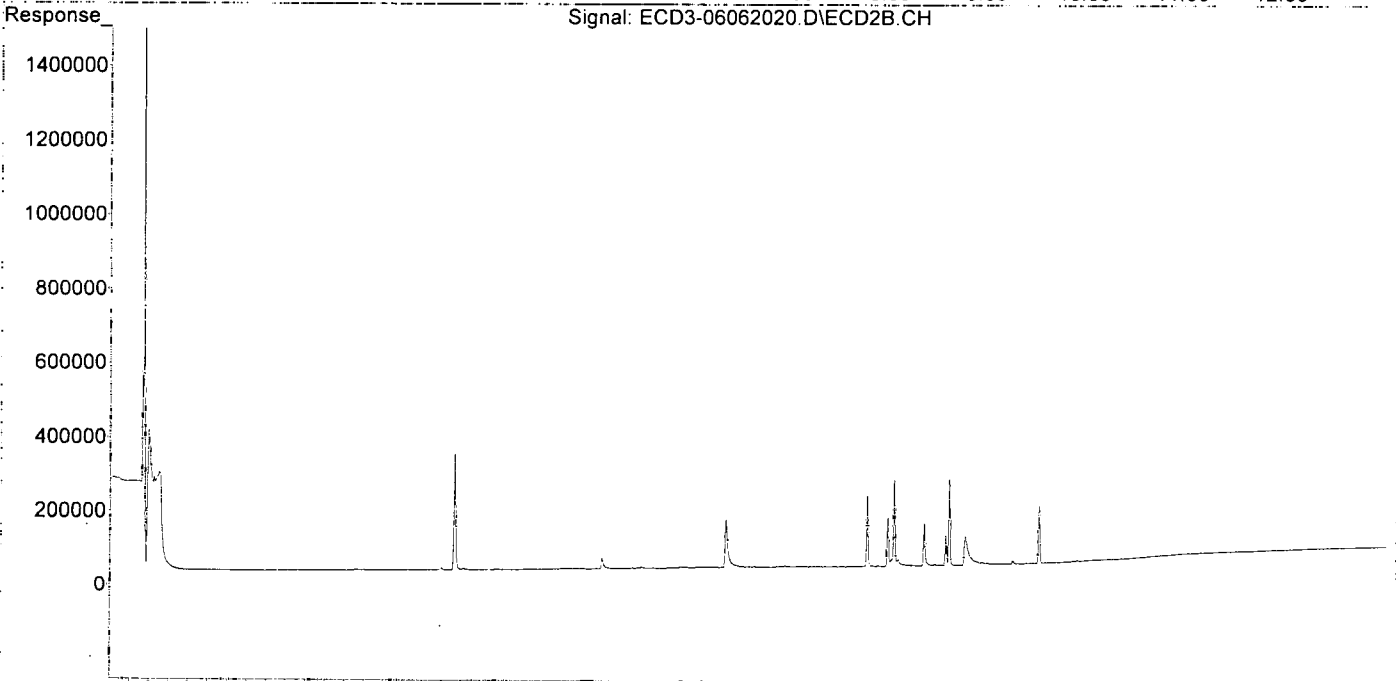
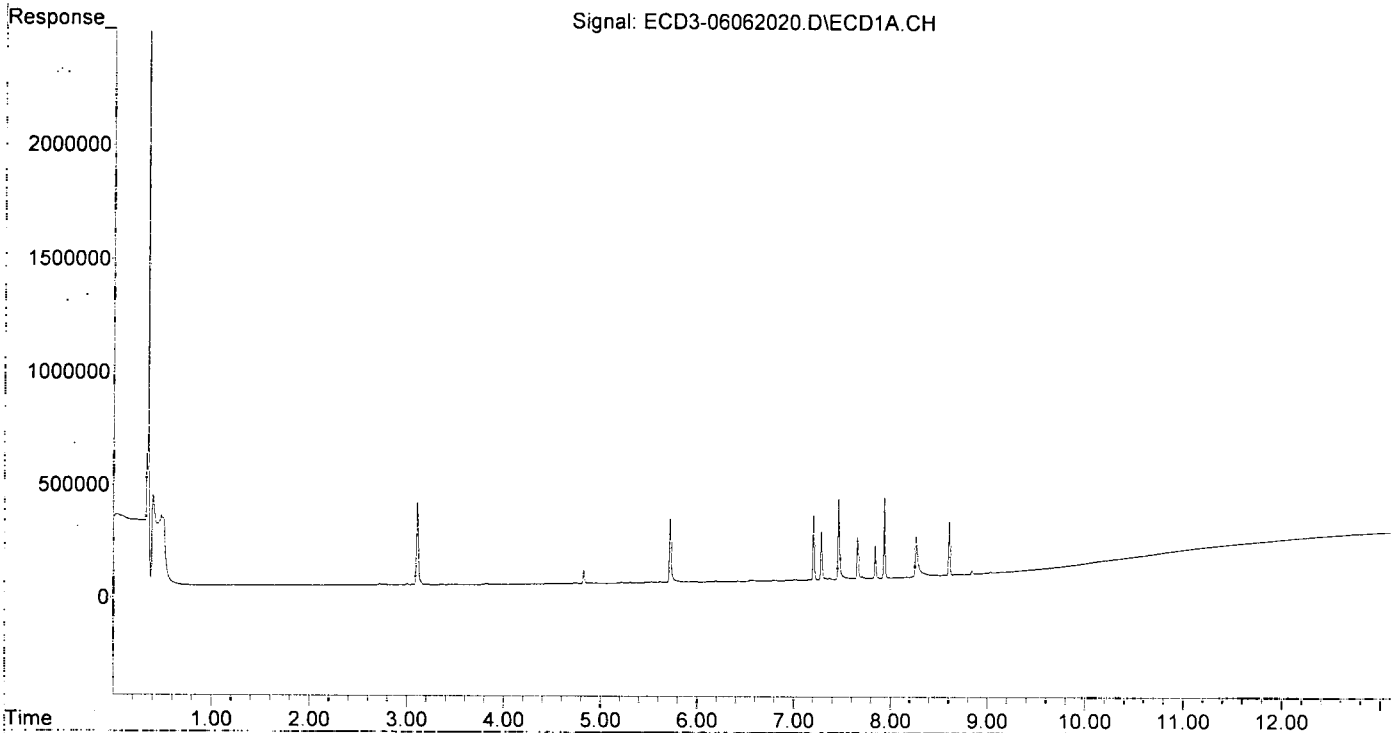
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.107	3.530	367181	312519	1.958	1.696
24) Hexachlor...	5.718	6.338	282243	129071	1.917	0.941 #
25) Oxychlordane	7.205	7.799	290251	188921	2.043	1.696
26) 2,4'-DDE	7.285	8.011	213043	130505	2.178	1.457
27) trans-Non...	7.464	8.077	361881	231479	2.321	1.879
28) 2,4'-DDD	7.659	8.386	184914	112777	2.054	1.404
29) 2,4'-DDT	7.842	8.610	146592	81492	1.947	1.519
30) cis-Nonac...	7.936	8.645	358546	230789	2.132	1.750
31) Mirex	8.604	9.566	236290	152823	2.018	1.843
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 20:56
Operator : MJB
Sample : 0F06006-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:51:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 21:13
 Operator : MJB
 Sample : 0F06006-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:51:47 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/8/20*

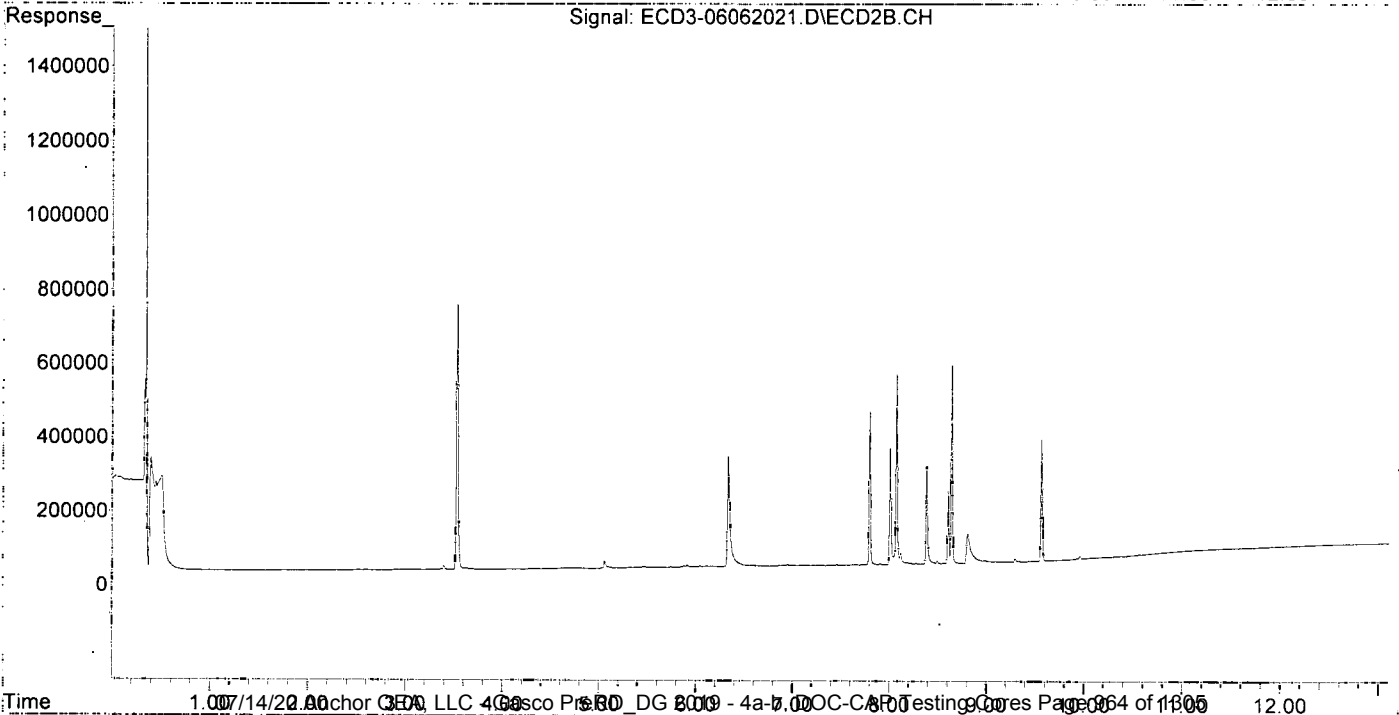
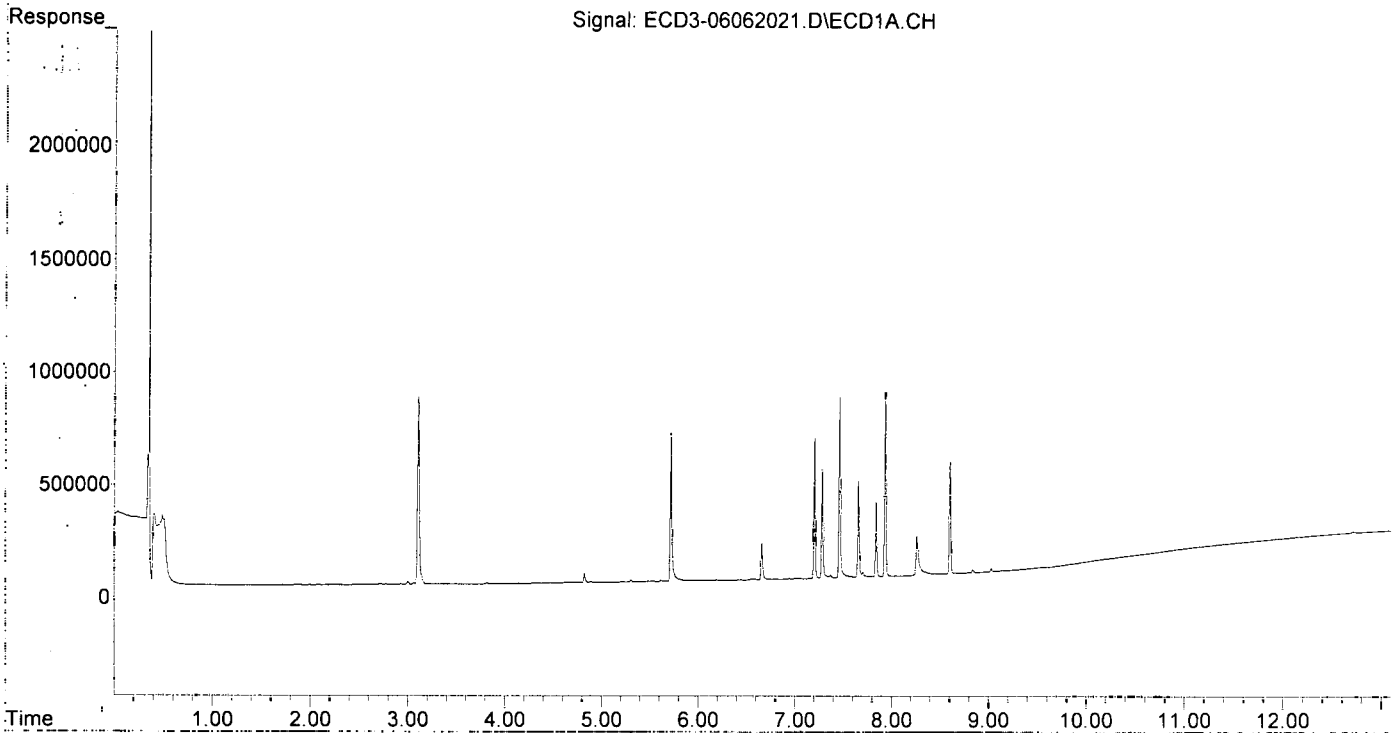
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.107	3.530	832847	712927	4.653	4.146
24) Hexachlor...	5.717	6.335	653214	293078	4.700	2.447 #
25) Oxychlordane	7.204	7.798	625319	411047	4.631	3.951
26) 2,4'-DDE	7.284	8.009	479513	310295	5.126	3.786
27) trans-Non...	7.462	8.076	802627	507575	5.399	4.389
28) 2,4'-DDD	7.658	8.386	426965	260589	5.028	3.627
29) 2,4'-DDT	7.842	8.609	328304	189297	4.361	3.529
30) cis-Nonac...	7.935	8.644	817641	531391	5.129	4.340
31) Mirex	8.604	9.566	498922	323437	4.673	4.367
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 21:13
Operator : MJB
Sample : 0F06006-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:51:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 21:30
 Operator : MJB
 Sample : 0F06006-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:52:21 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/8/20*

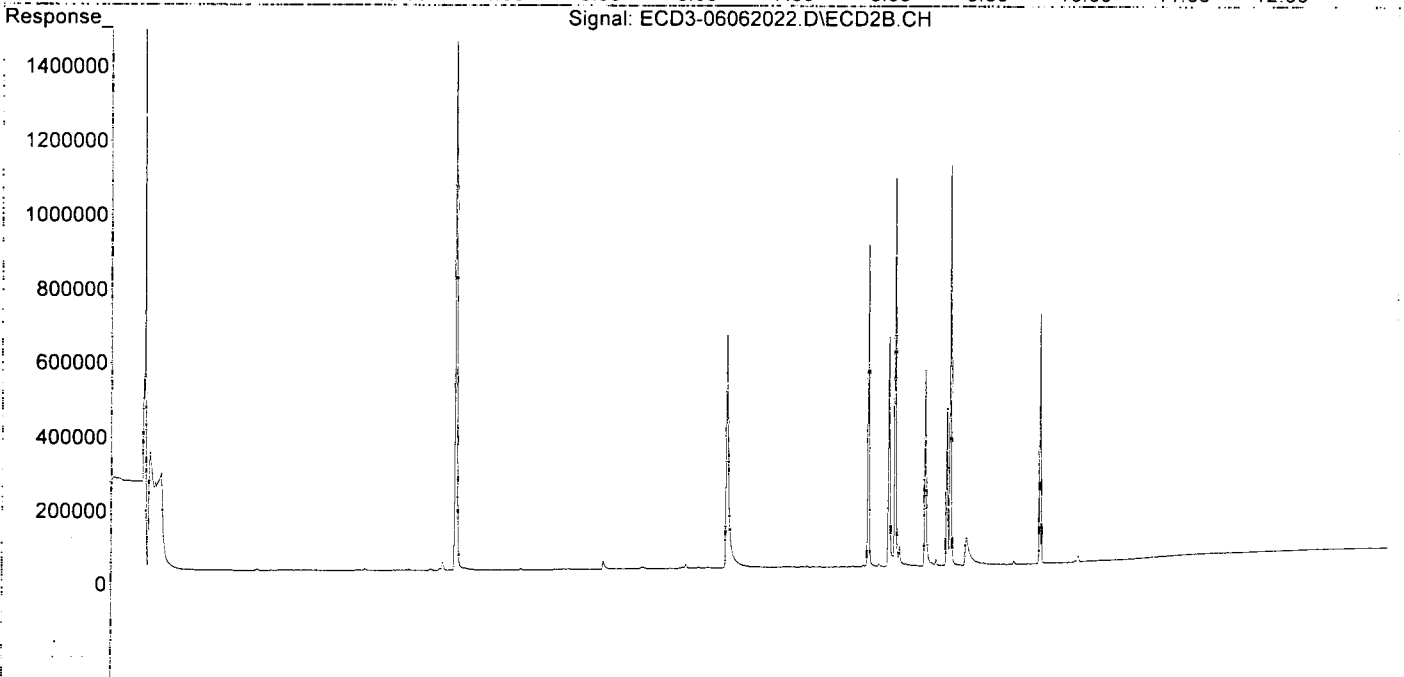
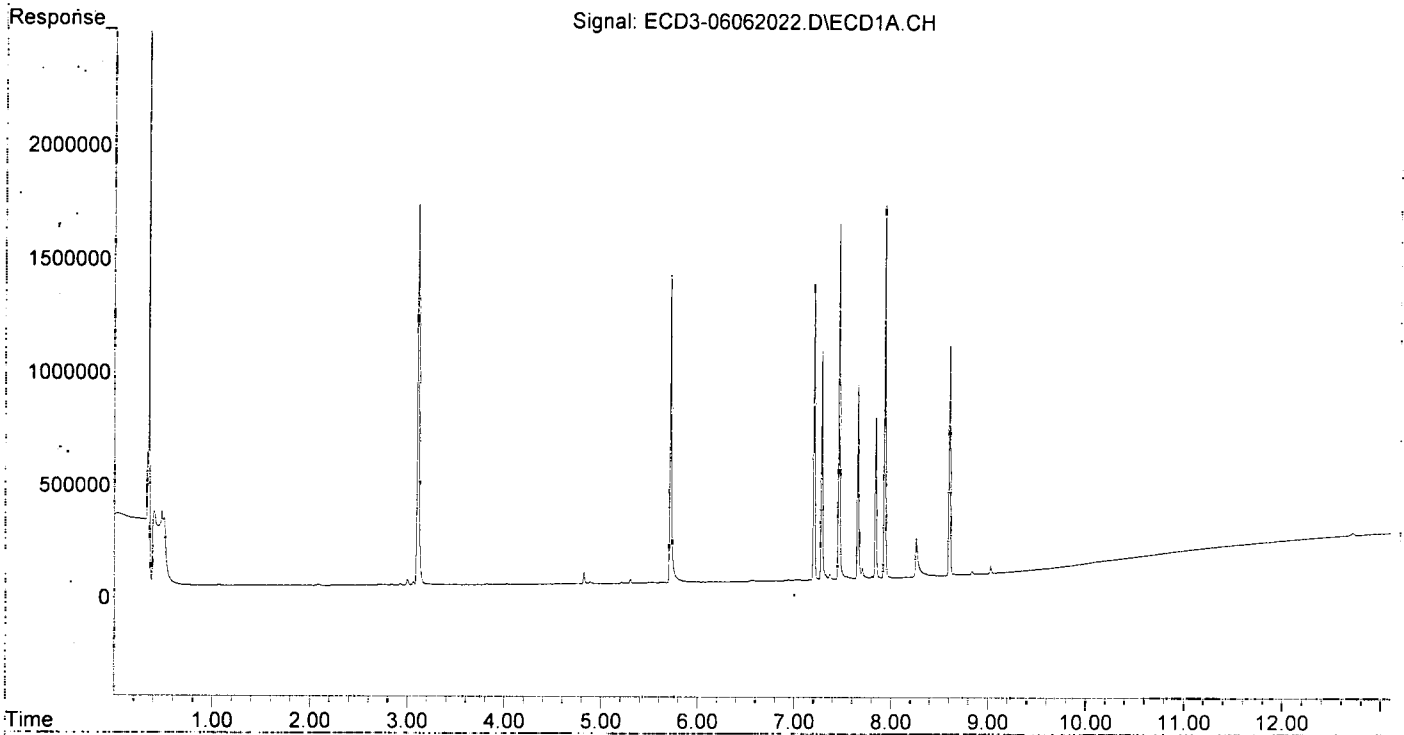
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.108	3.531	1688788	1421236	9.625	8.515
24) Hexachlor...	5.717	6.334	1360540	626457	9.996	5.517 #
25) Oxychlorane	7.204	7.799	1317392	864467	9.973	8.563
26) 2,4'-DDE	7.284	8.010	1019885	612154	11.087	7.709
27) trans-Non...	7.462	8.075	1579824	1040121	10.823	9.248
28) 2,4'-DDD	7.658	8.385	857480	524558	10.312	7.605
29) 2,4'-DDT	7.841	8.609	711986	421059	9.458	7.850
30) cis-Nonac...	7.935	8.645	1655952	1073919	10.596	9.028
31) Mirex	8.604	9.566	1021628	671191	9.964	9.521
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT. Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 21:30
Operator : MJB
Sample : 0F06006-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:52:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 21:47
 Operator : MJB
 Sample : 0F06006-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:52:54 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.107	3.529	4029788	3373514	23.344	20.805
24) Hexachlor...	5.717	6.331	3529381	1742876	26.144	15.858
25) Oxychlordane	7.203	7.798	3322121	2183217	25.417	22.054
26) 2,4'-DDE	7.282	8.009	2587783	1623379	28.262	20.956
27) trans-Non...	7.462	8.075	3926678	2540550	27.163	23.070
28) 2,4'-DDD	7.657	8.384	2247942	1320951	27.348	19.668
29) 2,4'-DDT	7.840	8.608	1921446	1136837	25.524	21.194
30) cis-Nonac...	7.935	8.643	4201582	2765154	27.133	23.755
31) Mirex	8.603	9.565	2517729	1615401	25.153	23.592
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 22:04
 Operator : MJB
 Sample : 0F06006-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:48:46 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:40:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJD 4/6/20

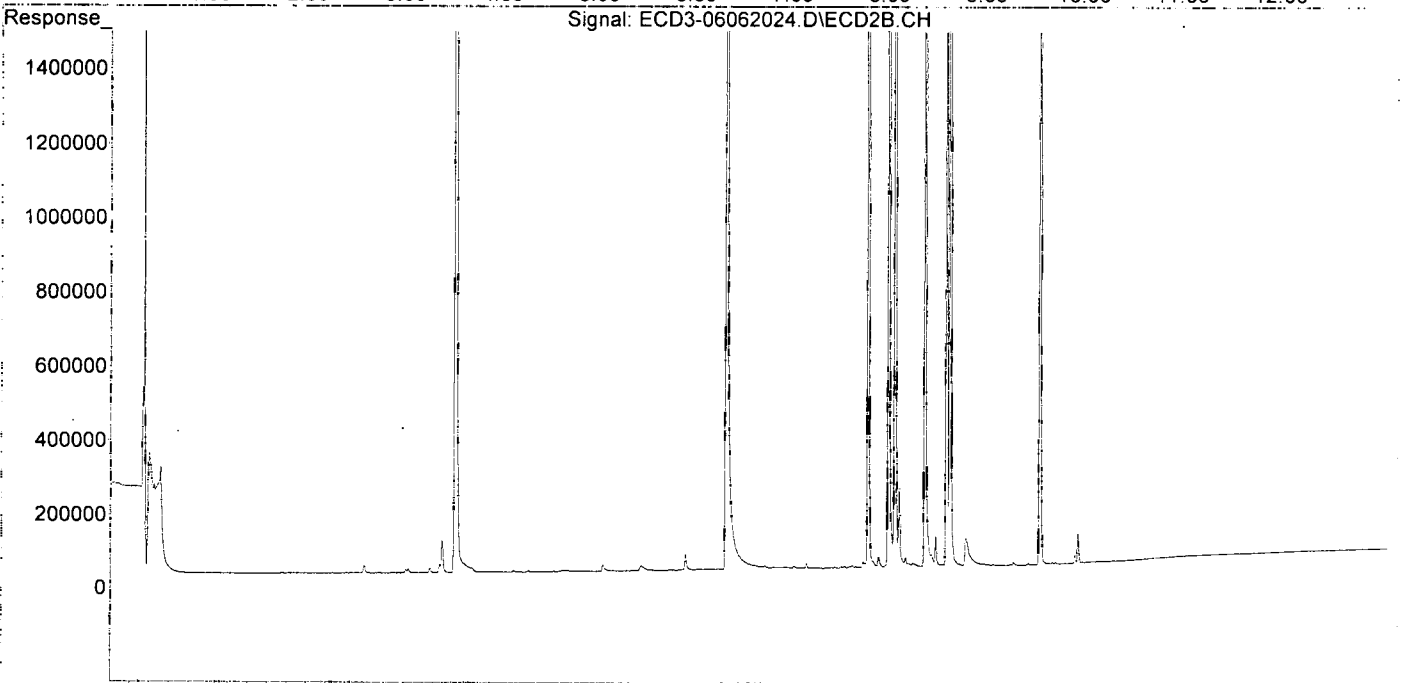
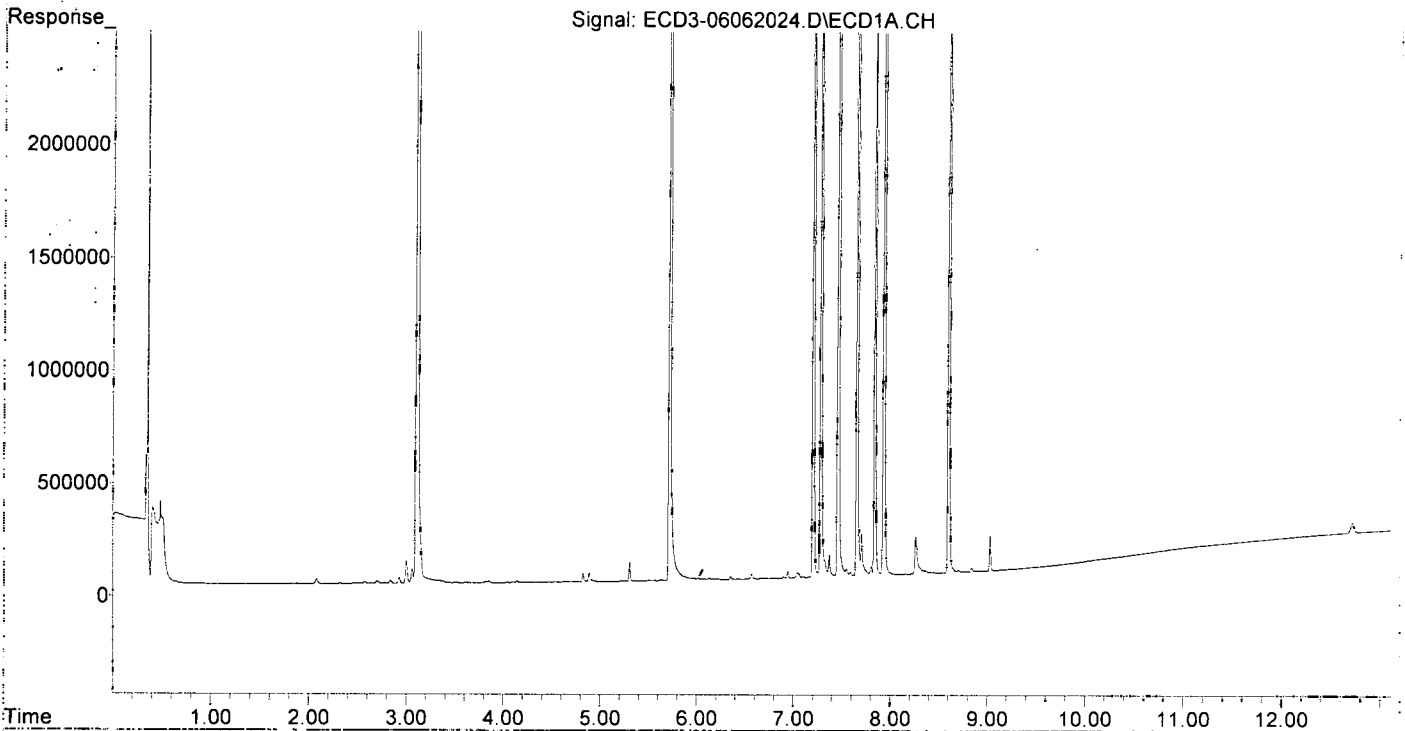
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.106	3.530	7689164	6321143	45.163	40.117
24) Hexachlor...	5.717	6.331	6611662	3355768	48.865	30.976
25) Oxychlorane	7.203	7.798	6032848	4033686	46.231	41.175
26) 2,4'-DDE	7.282	8.008	4783503	3080248	52.016	40.340
27) trans-Non...	7.461	8.075	7349442	4847467	50.894	44.722
28) 2,4'-DDD	7.657	8.384	4113598	2611856	50.127	39.422
29) 2,4'-DDT	7.841	8.607	3757958	2264252	49.920	42.212
30) cis-Nonac...	7.935	8.643	7918629	5267490	51.117	45.868
31) Mirex	8.603	9.565	4562673	3059409	46.020	45.331
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 22:04
Operator : MJB
Sample : 0F06006-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:48:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:40:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 22:21
 Operator : MJB
 Sample : 0F06006-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:53:38 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 Last Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

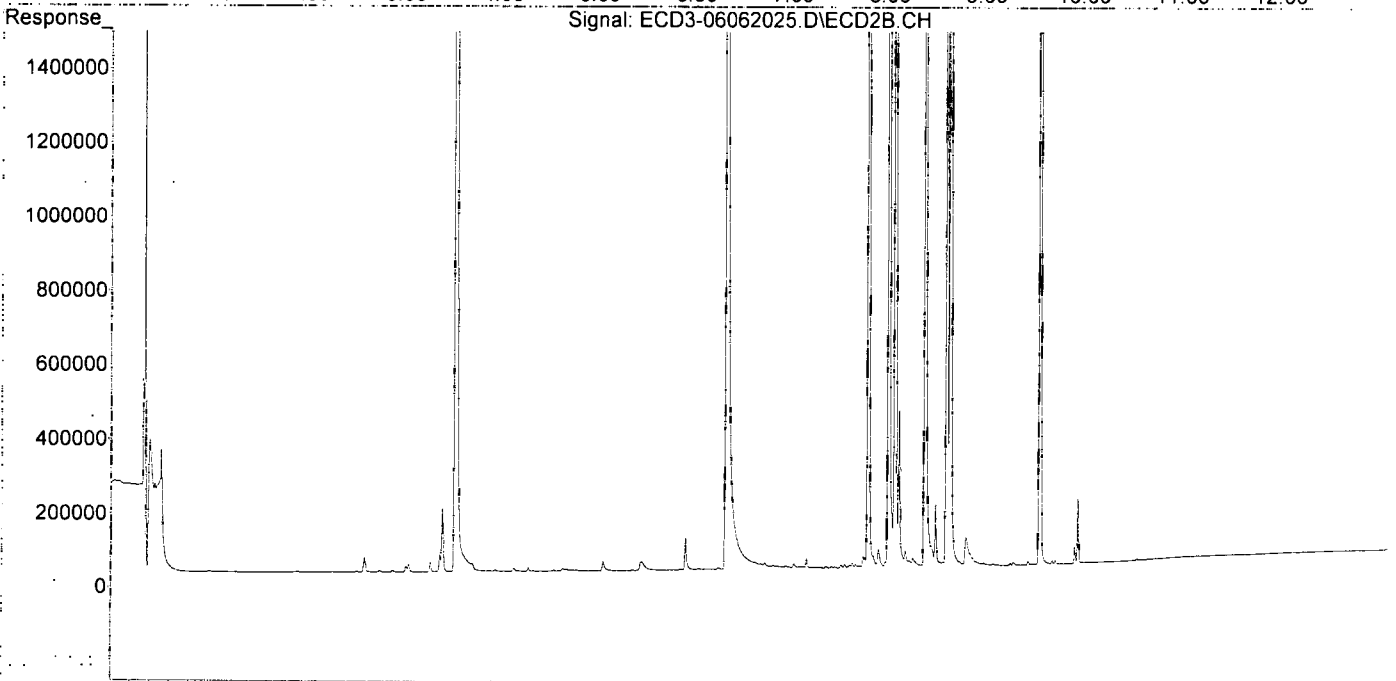
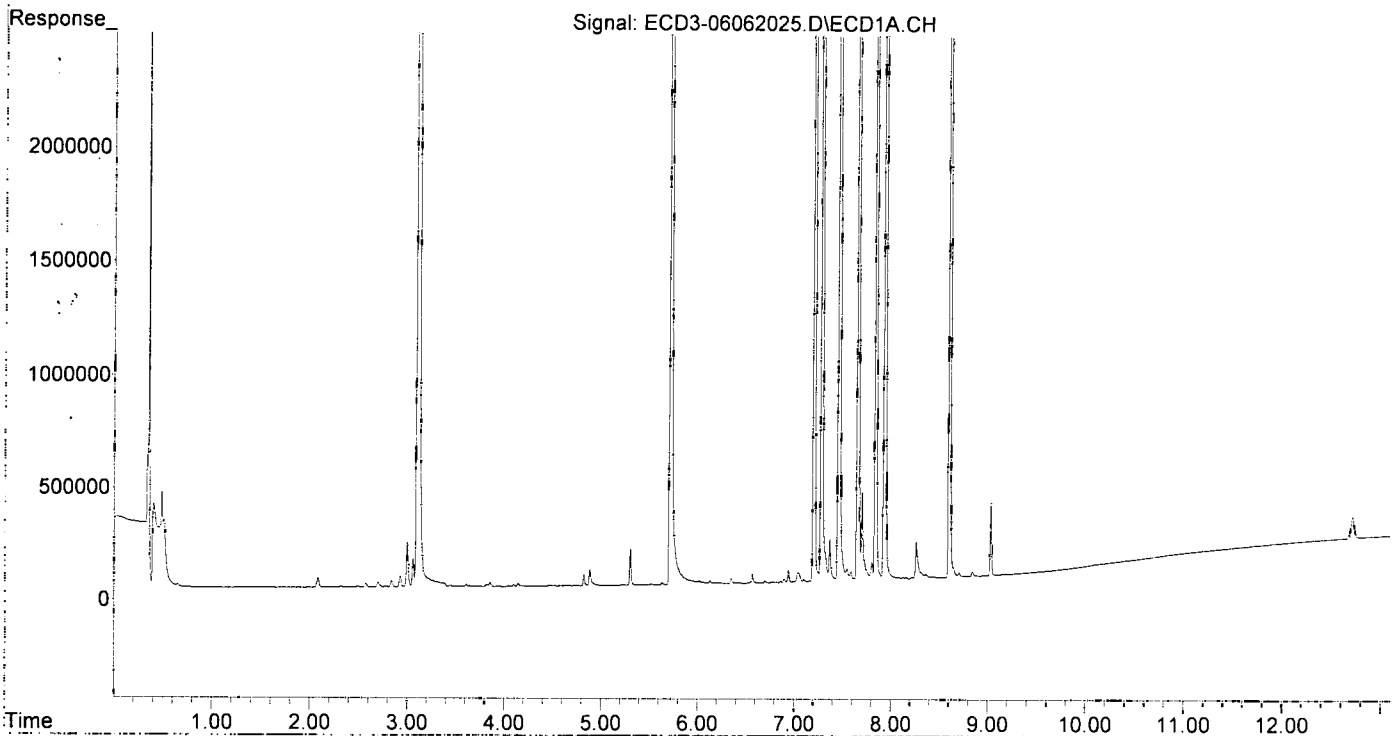
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.107	3.530	16268570	12713818	98.267	85.823
24) Hexachlor...	5.716	6.329	14148016	7079413	103.346	66.722
25) Oxychlorane	7.203	7.798	12997617	8374663	99.352	86.957
26) 2,4'-DDE	7.281	8.008	9968822	6334849	106.807	85.017
27) trans-Non...	7.461	8.075	15442686	9912921	106.544	94.127
28) 2,4'-DDD	7.657	8.383	8703874	5350581	105.798	82.192
29) 2,4'-DDT	7.841	8.607	8017136	4947600	106.498	92.238
30) cis-Nonac...	7.935	8.643	16454724	10499344	105.483	93.439
31) Mirex	8.603	9.565	9690009	6266397	98.891	94.613
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 22:21
Operator : MJB
Sample : 0F06006-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:53:38 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 22:38
 Operator : MJB
 Sample : 0F06006-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:54:15 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/4/20

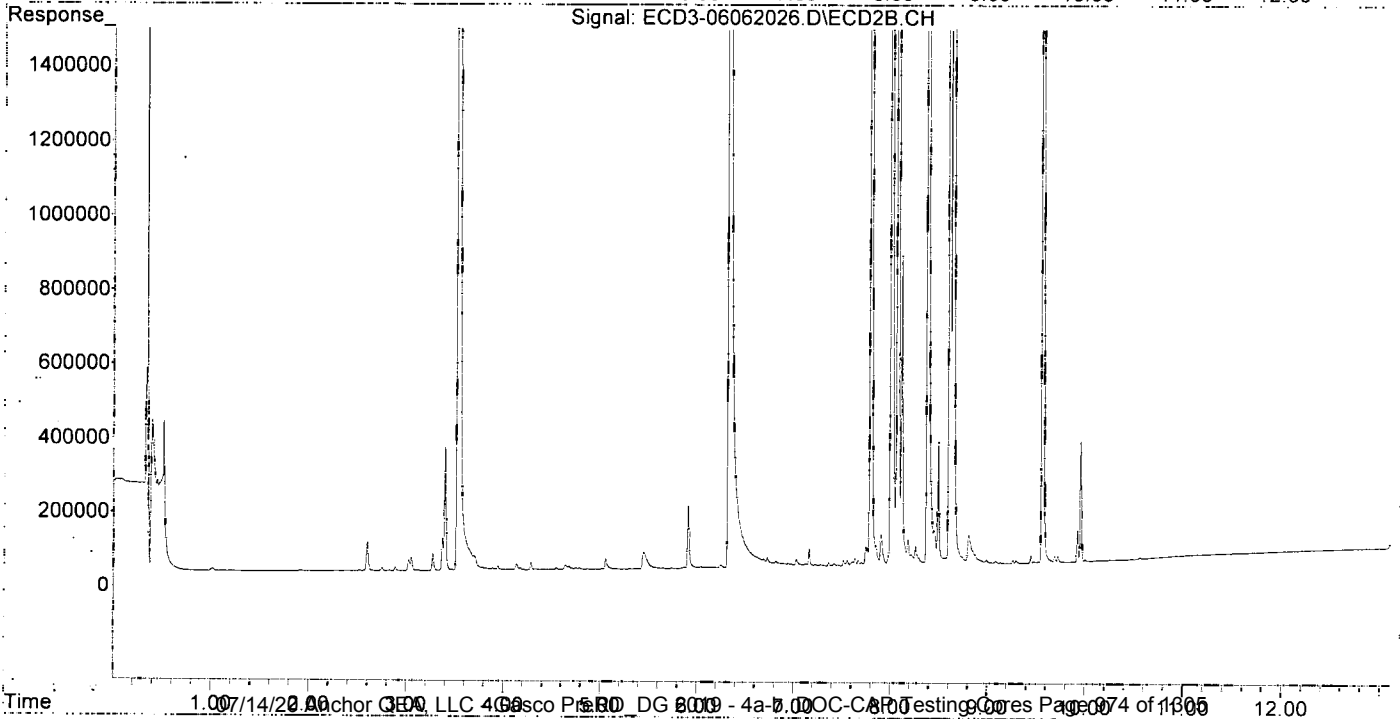
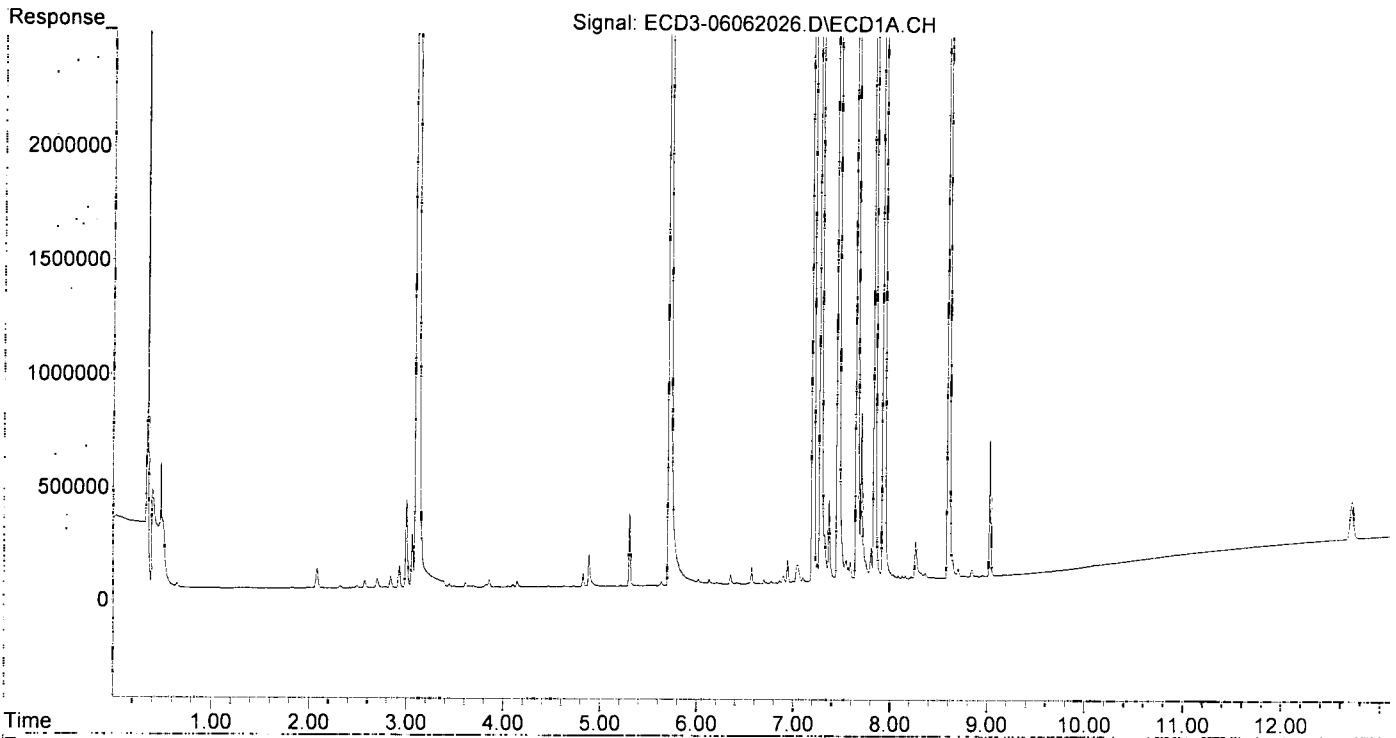
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.108	3.530	33588253	24641154	215.657	194.767
24) Hexachlor...	5.716	6.328	29573736	15255362	210.518	149.824
25) Oxychlordane	7.202	7.798	26298901	16502103	199.416	176.521
26) 2,4'-DDE	7.281	8.007	20534460	13059196	213.357	184.415
27) trans-Non...	7.461	8.074	31022070	19162793	211.900	192.333
28) 2,4'-DDD	7.656	8.382	18019697	11208779	217.195	178.039
29) 2,4'-DDT	7.840	8.606	15993478	9920731	212.455	184.951
30) cis-Nonac...	7.934	8.643	32761054	20801115	206.739	193.208
31) Mirex	8.603	9.565	20029588	12528274	208.044	195.241
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 22:38
Operator : MJB
Sample : 0F06006-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:54:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 23:29
 Operator : MJB
 Sample : 0F06006-CALJ
 Misc : A20F083, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:57:28 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:56:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 6/8/20

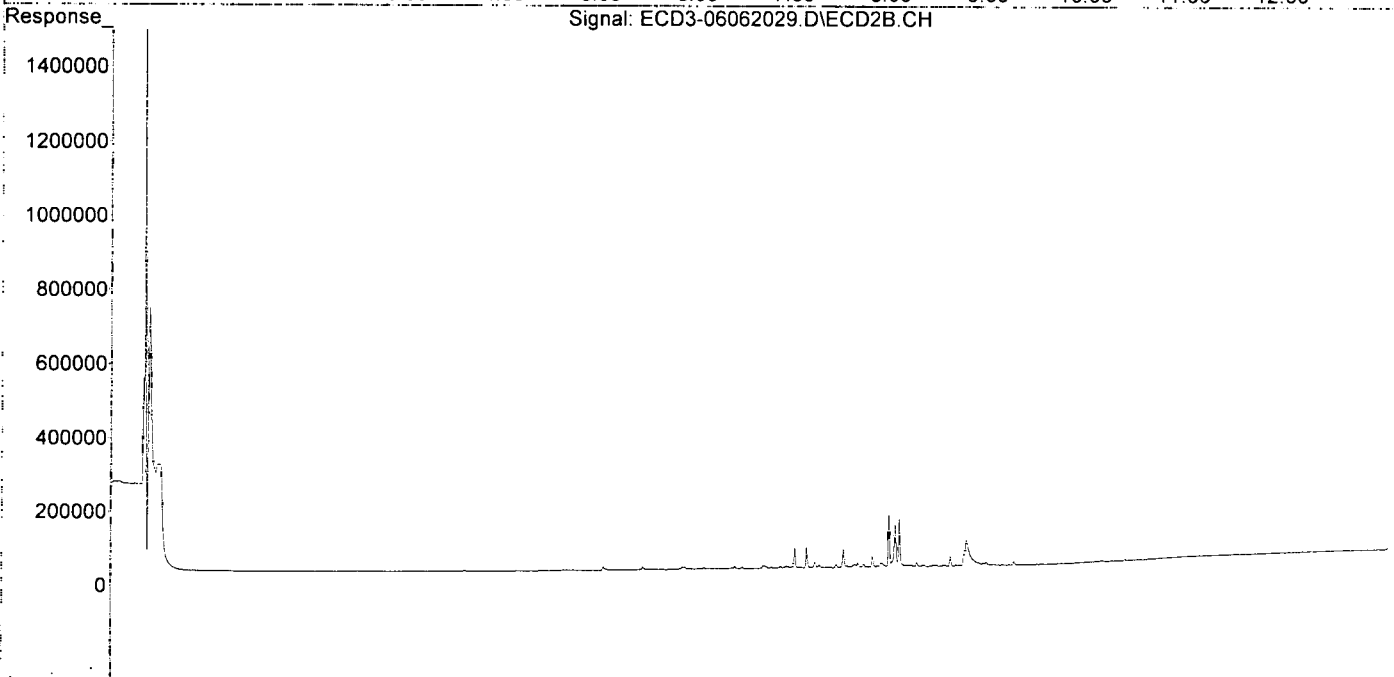
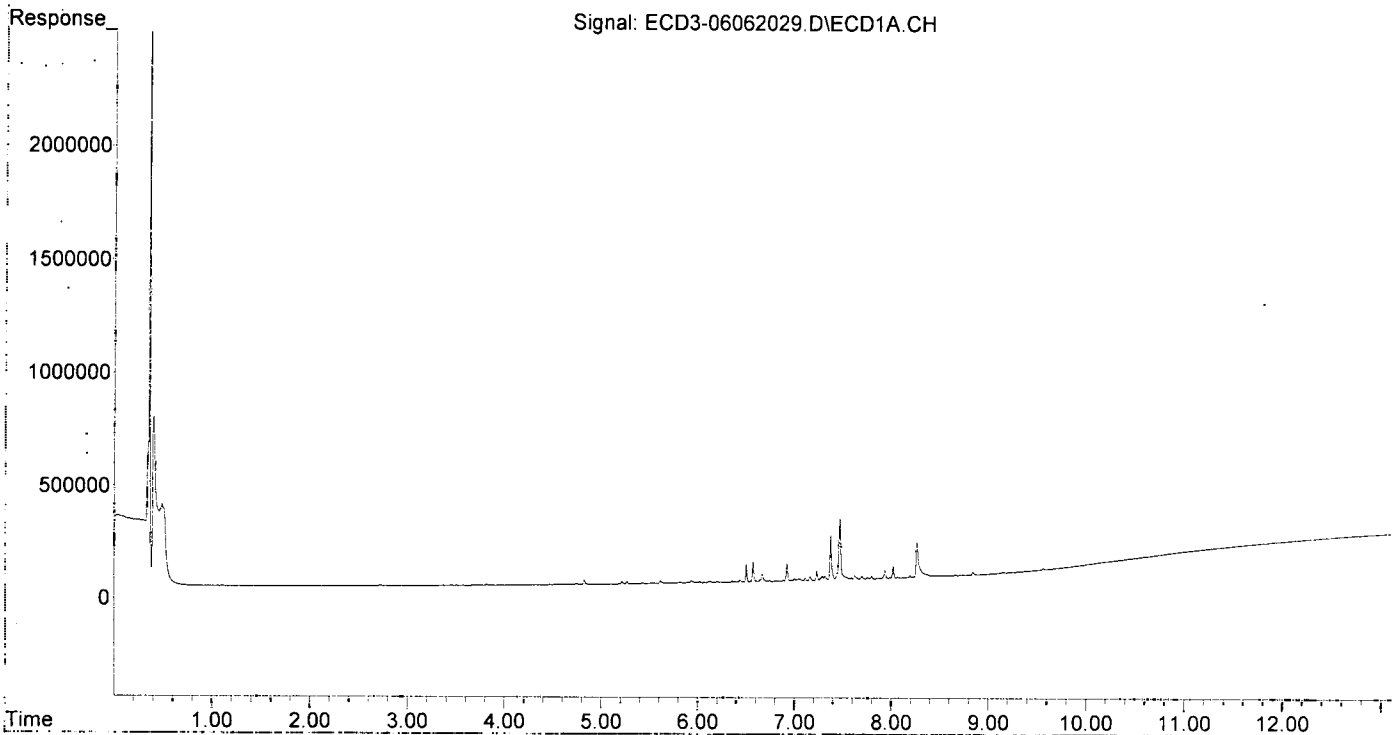
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	7.373	8.011	197378	138615	11.183	9.581
33) Chlordane...	7.468	8.119	273425	126750	13.195	10.254
34) Chlordane...	8.019	8.783	54093	32858	10.167	4.796 #
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 23:29
Operator : MJB
Sample : 0F06006-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:57:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:56:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 06 Jun 2020 23:47
 Operator : MJB
 Sample : 0F06006-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:58:02 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:56:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

M08
6/8/20

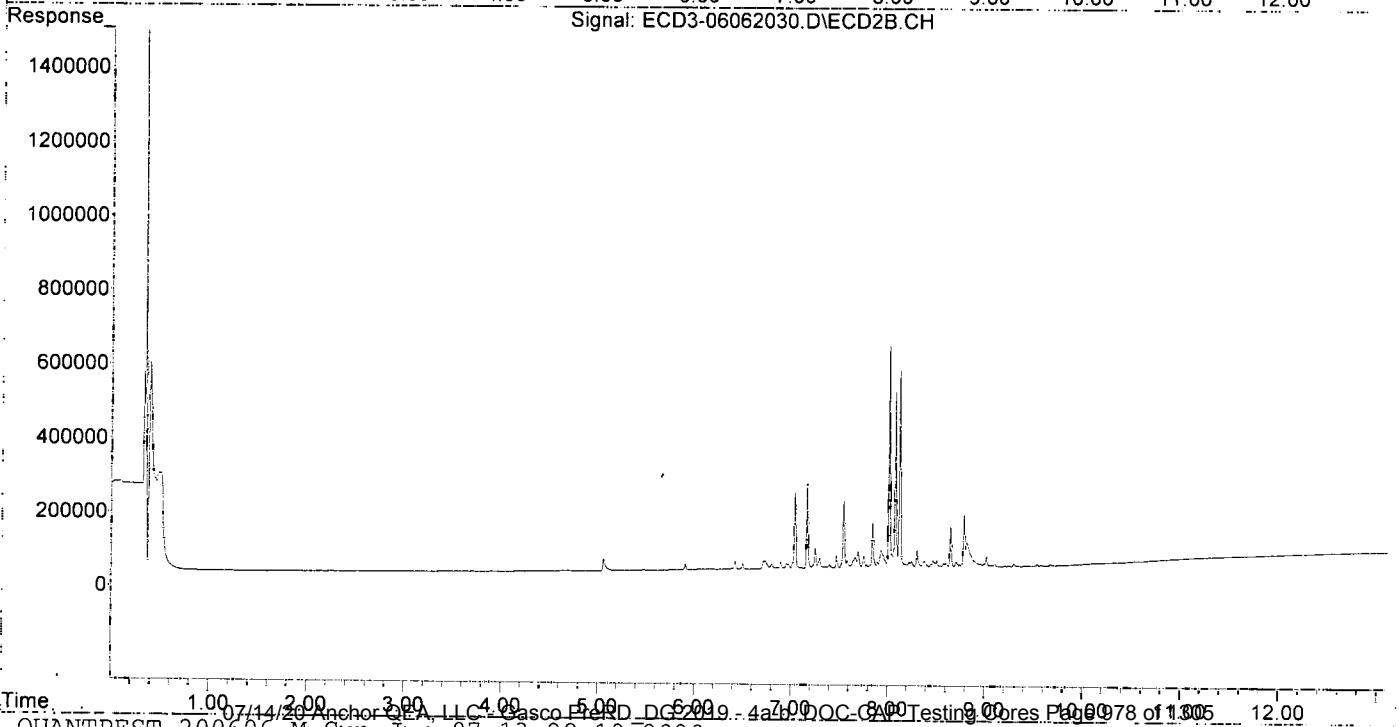
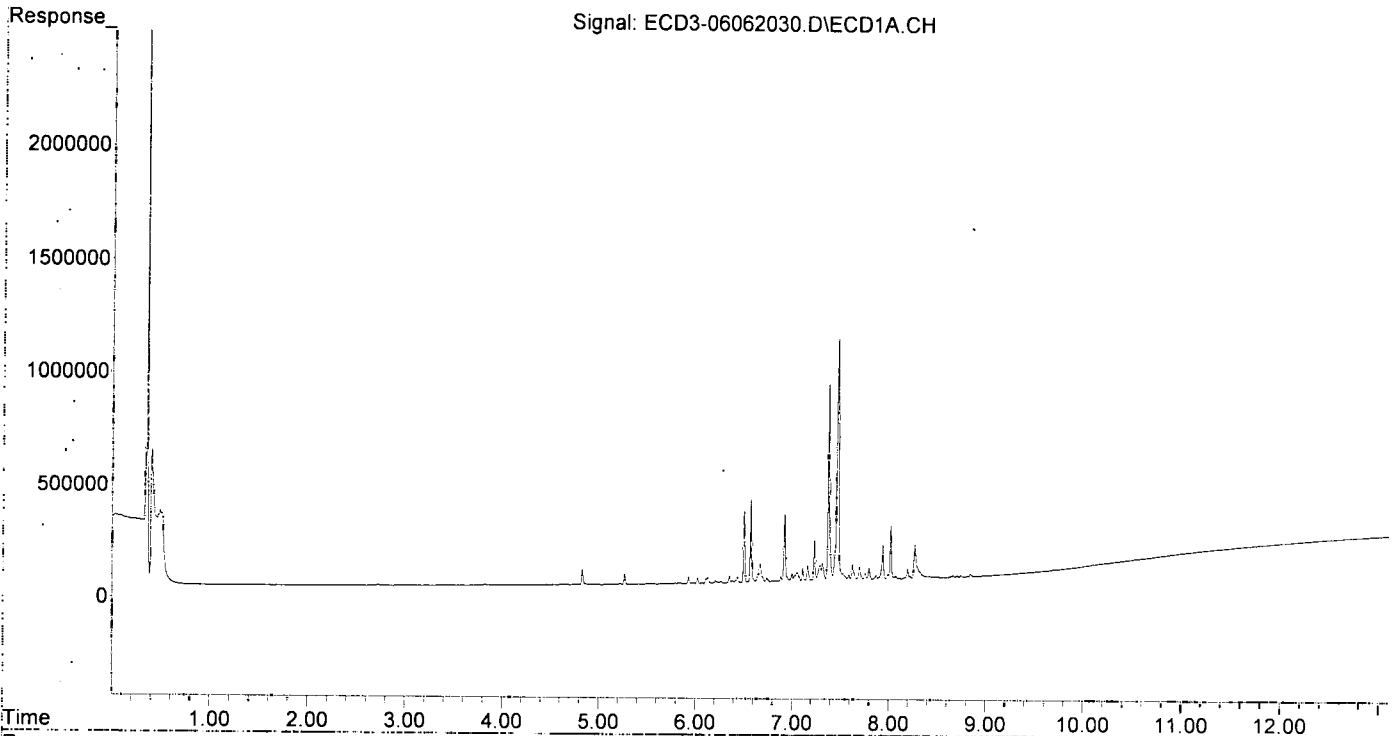
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	7.373	8.010	879956	595239	49.855	41.144
33) Chlordane...	7.468	8.119	1079806	528608	52.109	42.763
34) Chlordane...	8.018	8.782	233743	140836	43.931	34.808
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jun 2020 23:47
Operator : MJB
Sample : 0F06006-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:58:02 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:56:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:04
 Operator : MJB
 Sample : 0F06006-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:58:37 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:56:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/9/20*

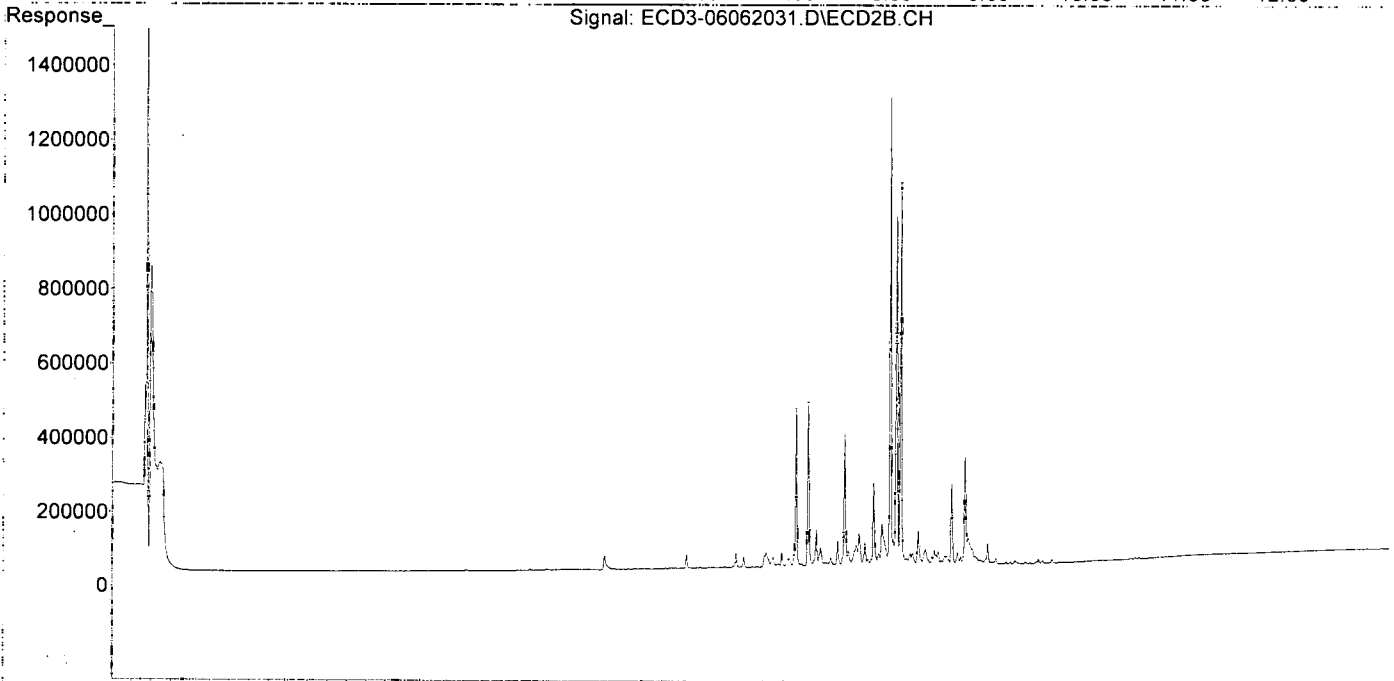
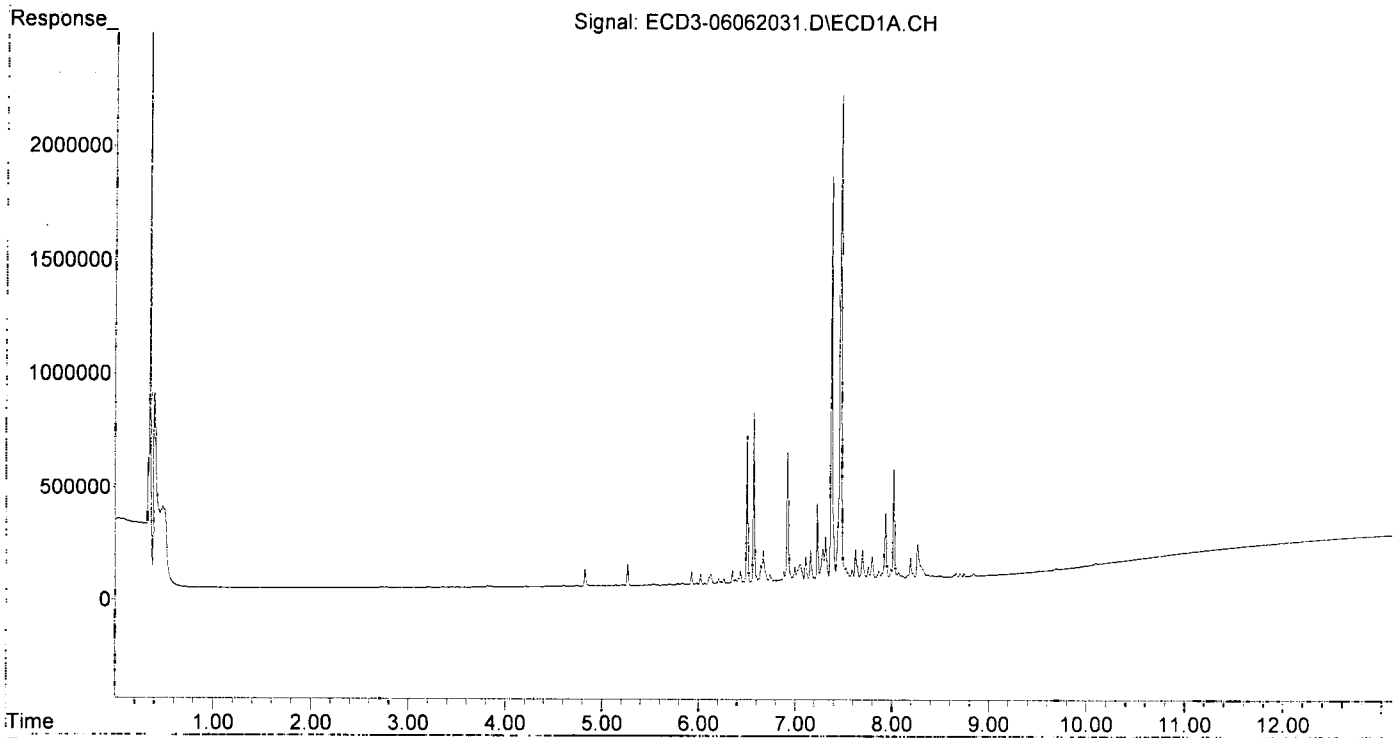
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	7.373	8.010	1782194	1253287	100.971	86.629
33) Chlordane...	7.468	8.118	2137781	1022562	103.165	82.722
34) Chlordane...	8.018	8.781	490632	290670	92.212	76.449
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:04
Operator : MJB
Sample : 0F06006-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:58:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:56:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:21
 Operator : MJB
 Sample : 0F06006-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:59:10 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 12:56:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

M/D
6/8/20

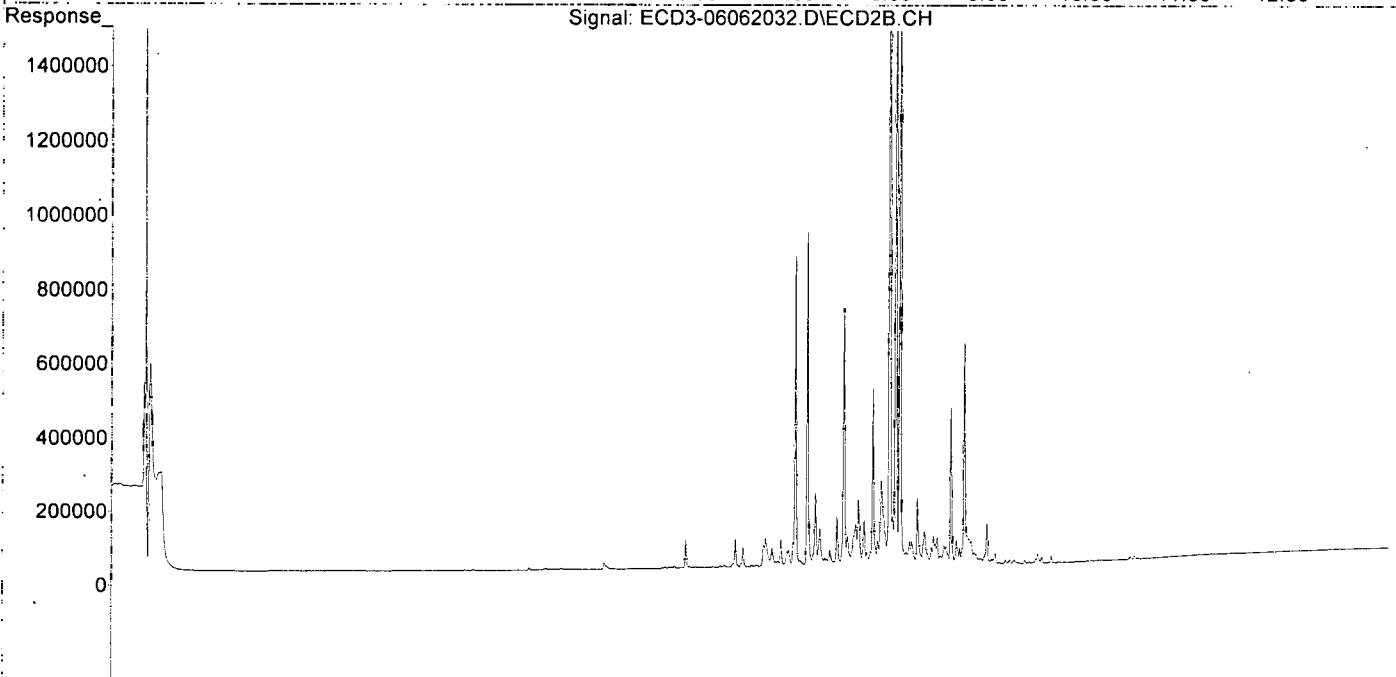
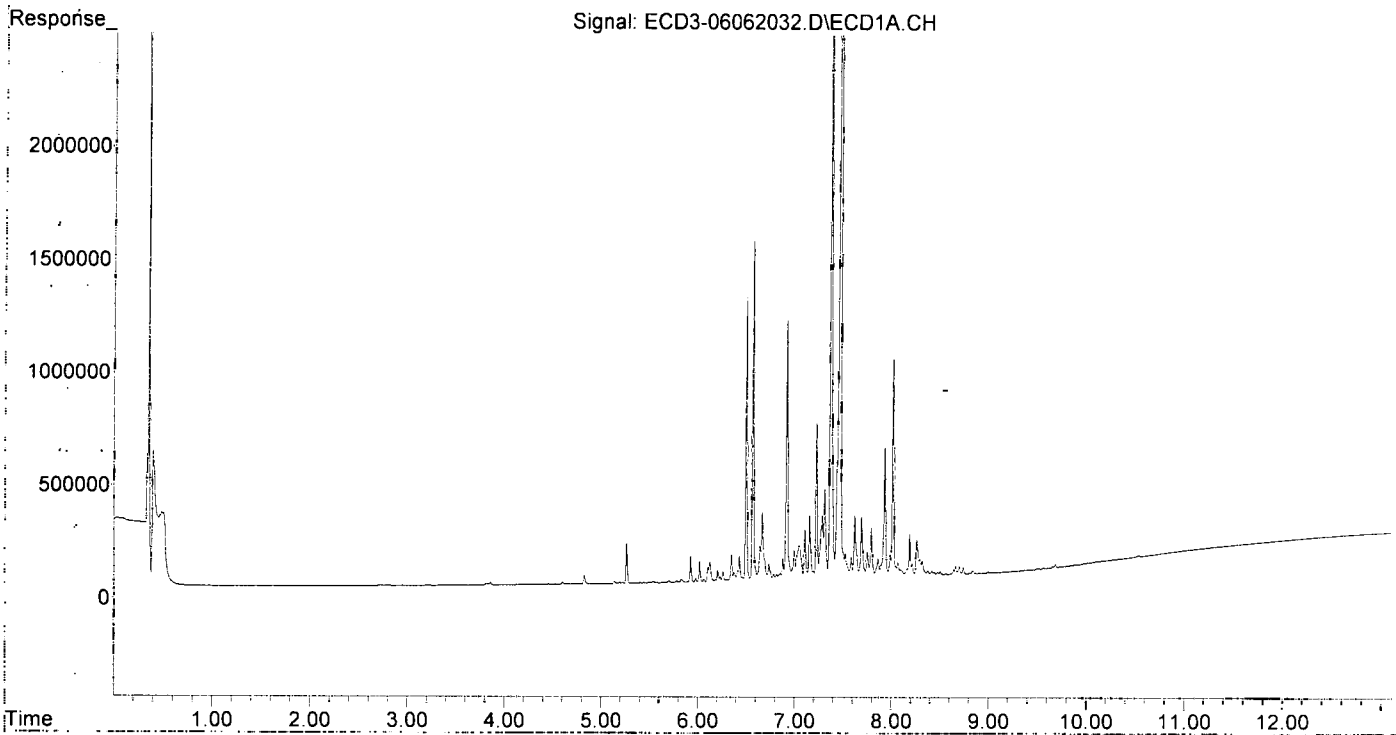
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	7.373	8.009	3480264	2482181	197.177	171.573
33) Chlordane...	7.468	8.118	4312810	2089429	208.127	169.029
34) Chlordane...	8.019	8.782	962510	593414	180.899	160.569
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:21
Operator : MJB
Sample : 0F06006-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:59:10 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:56:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:38
 Operator : MJB
 Sample : 0F06006-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:55:53 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 12:48:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

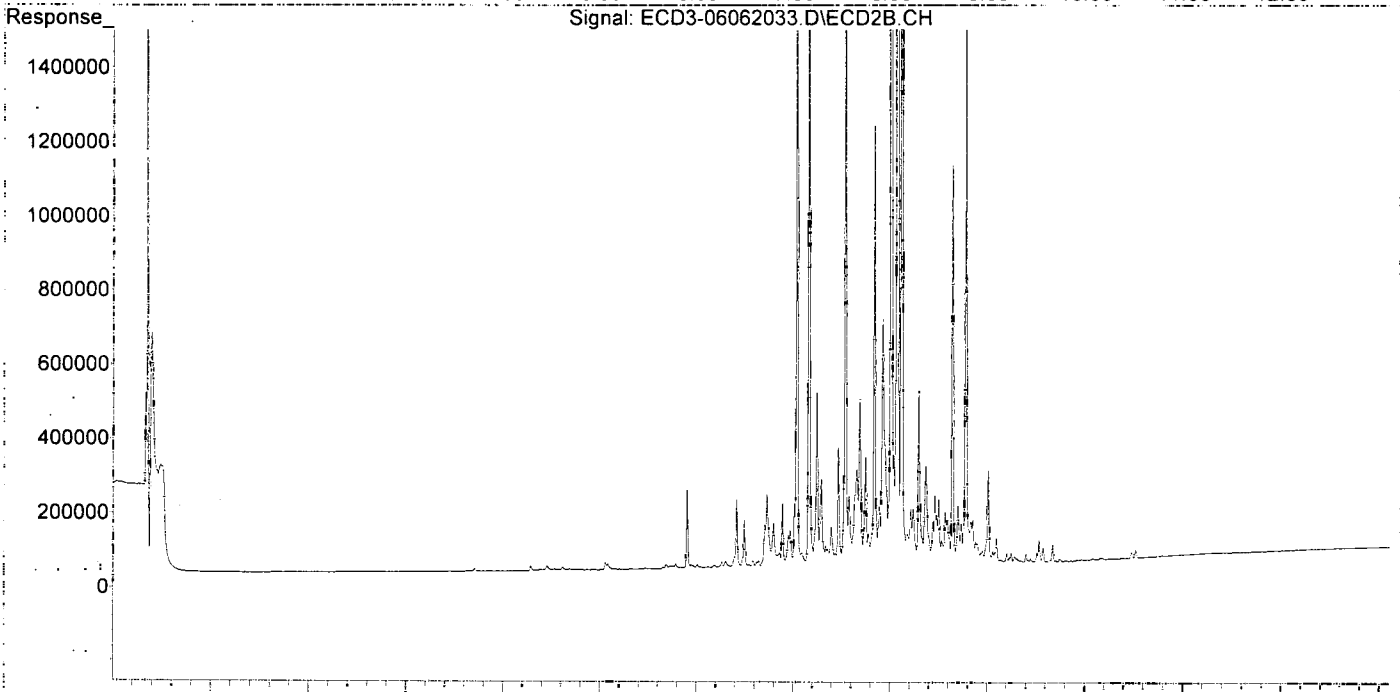
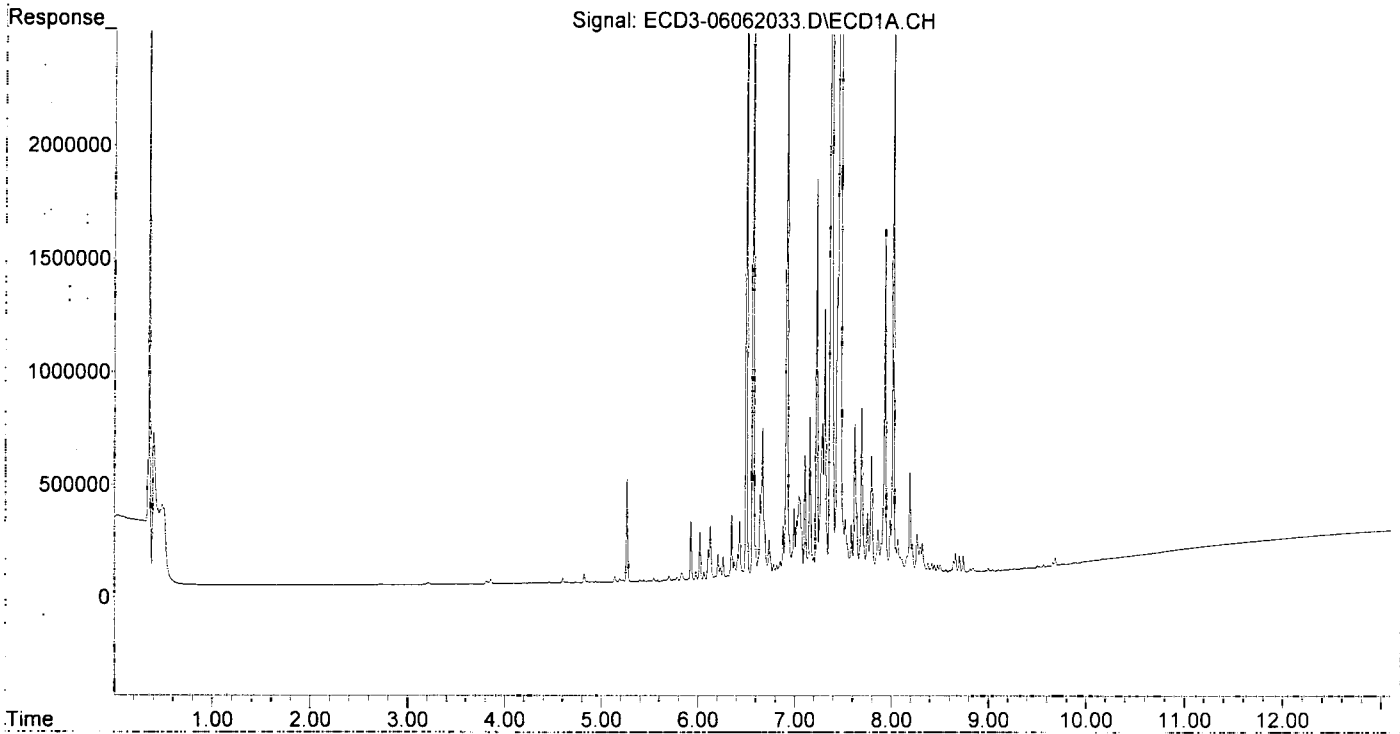
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	7.372	8.009	8664231	6394408	490.878	441.993
33) Chlordane...	7.468	8.118	10418946	5336806	502.795	431.733
34) Chlordane...	8.018	8.782	2418815	1493877	454.603	410.641
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:38
Operator : MJB
Sample : 0F06006-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:55:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:48:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 0:55
 Operator : MJB
 Sample : 0F06006-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 12:59:49 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:56:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/8/20*

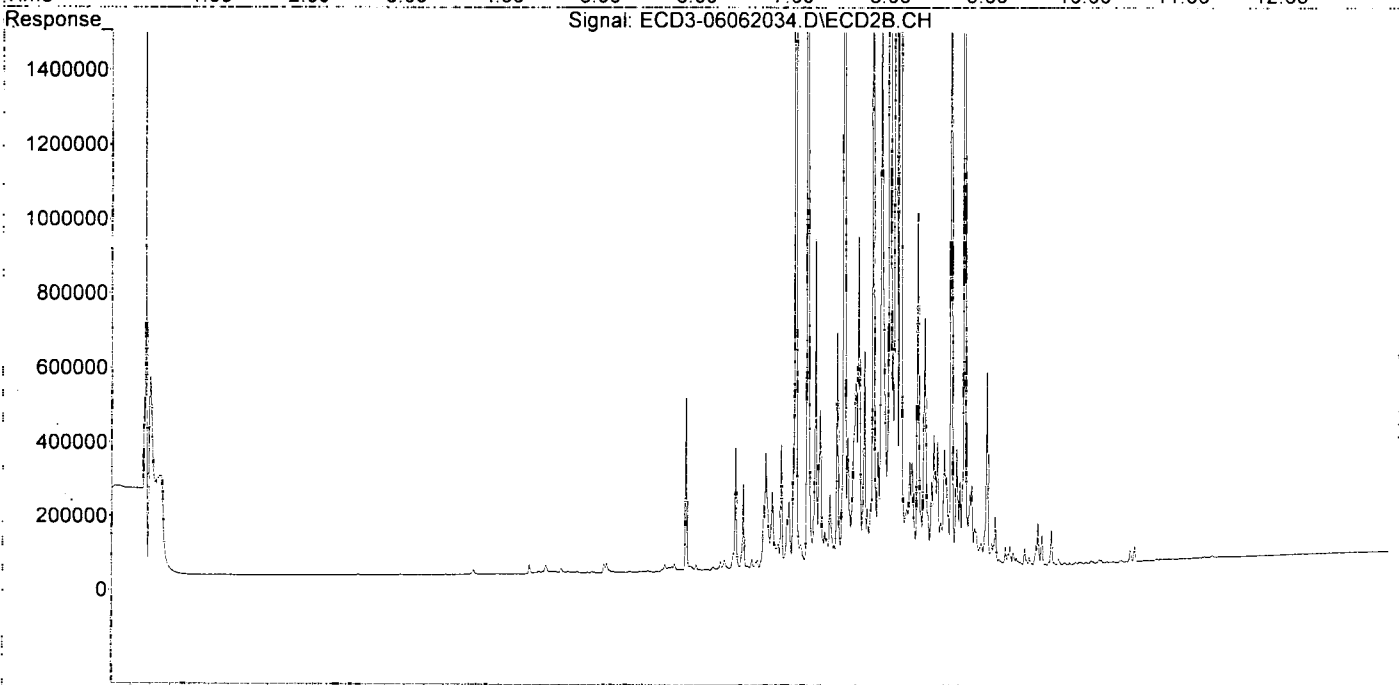
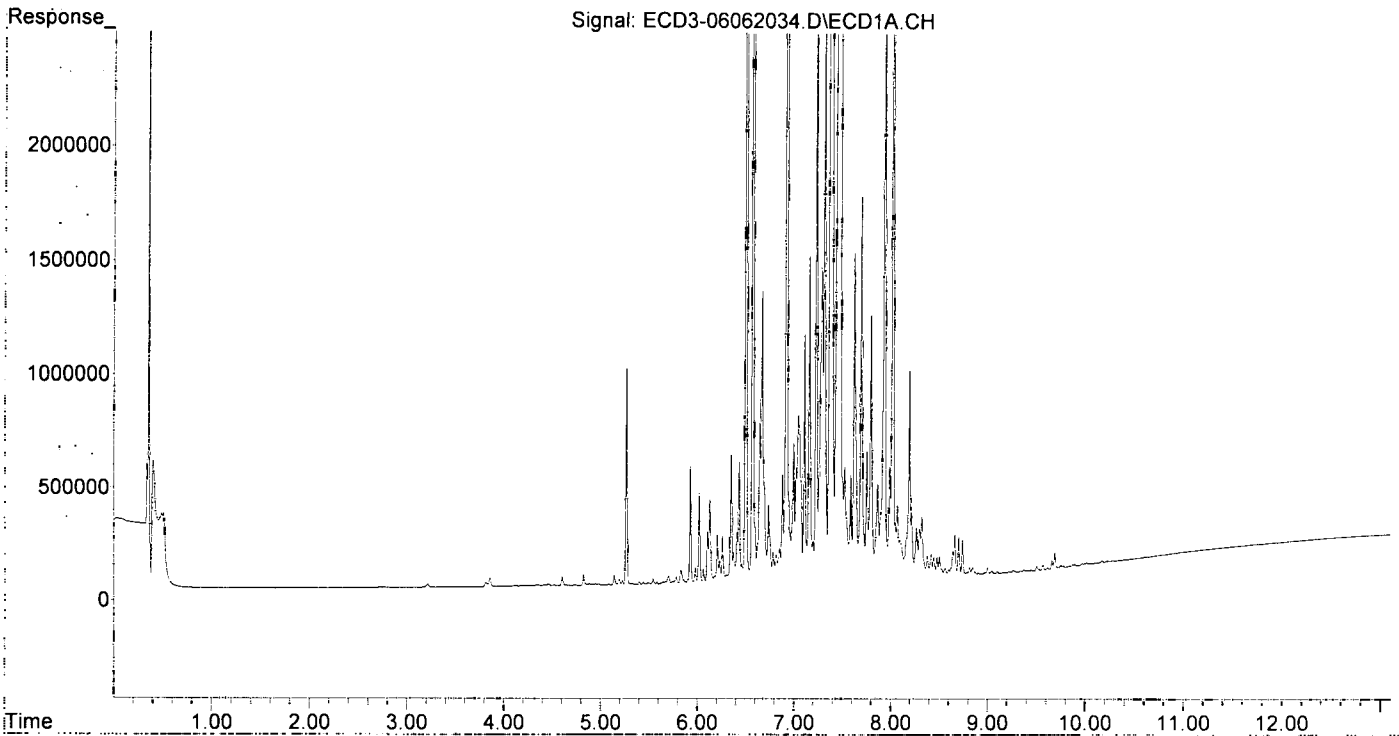
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	7.372	8.009	17599301	12224731	997.101	844.995
33) Chlordane...	7.467	8.118	20943278	10363226	1010.676	838.356
34) Chlordane...	8.018	8.781	5125147	3082287	963.244	851.290
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 0:55
Operator : MJB
Sample : 0F06006-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 12:59:49 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:56:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 1:12
 Operator : MJB
 Sample : 0F06006-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:00:27 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:56:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

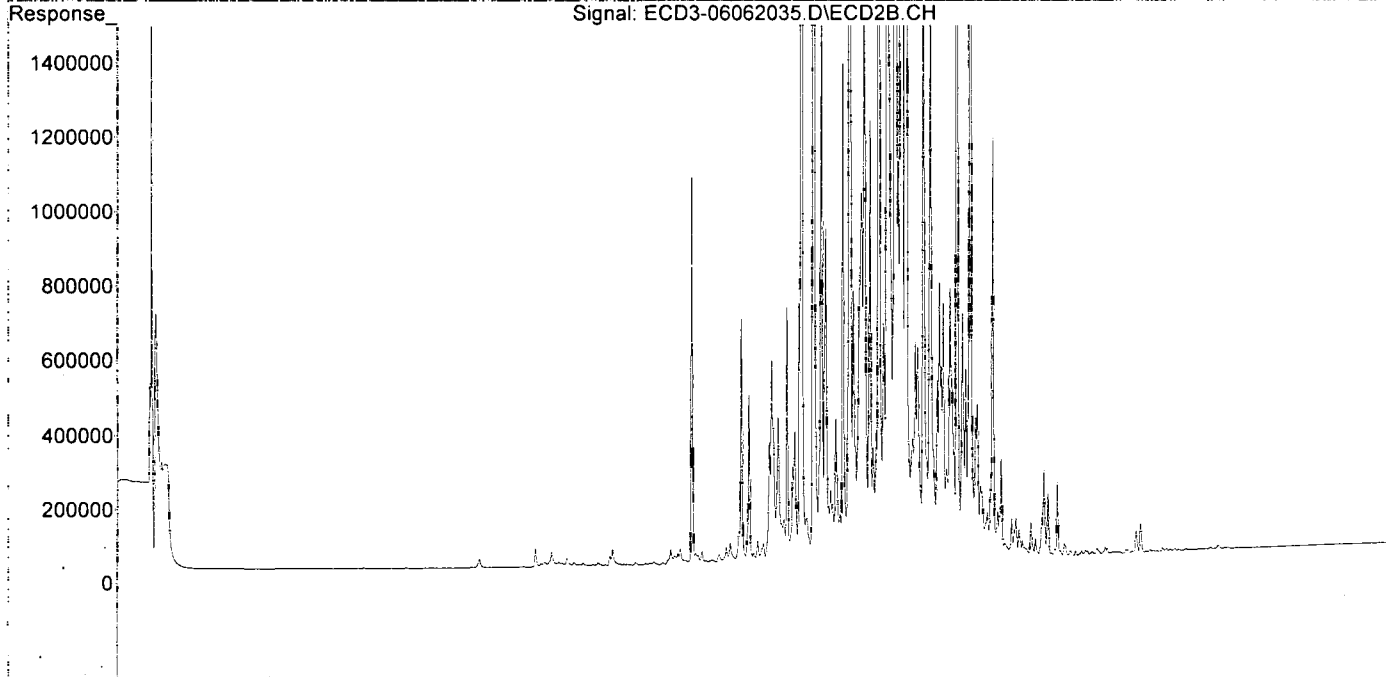
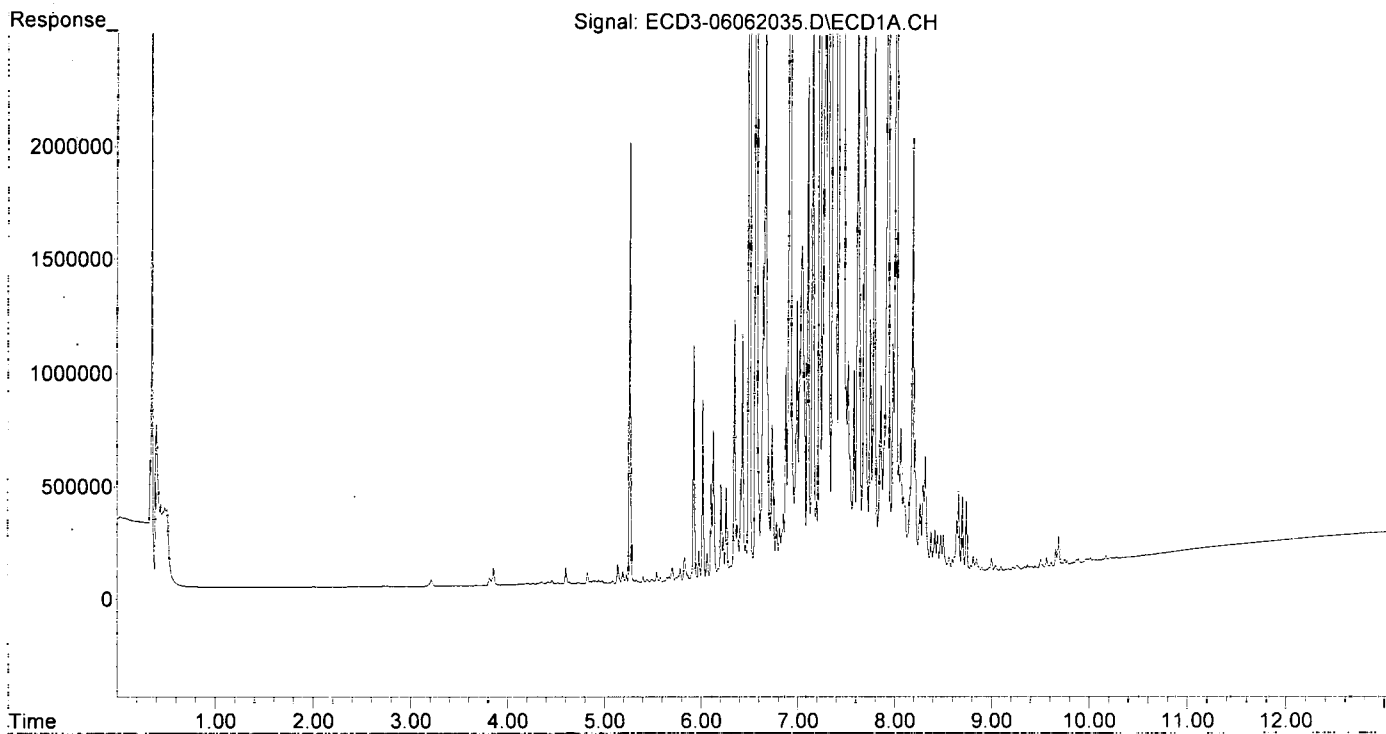
MJB
6/8/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	7.371	8.009	36608920	24201008	2074.104	1672.817
33) Chlordane...	7.466	8.117	42825162	20045841	2066.647	1621.652
34) Chlordane...	8.017	8.781	10771894	6417620	2024.520	1774.594
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 1:12
Operator : MJB
Sample : 0F06006-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:00:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:56:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:03
 Operator : MJB
 Sample : 0F06006-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:08:29 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:04:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/9/20

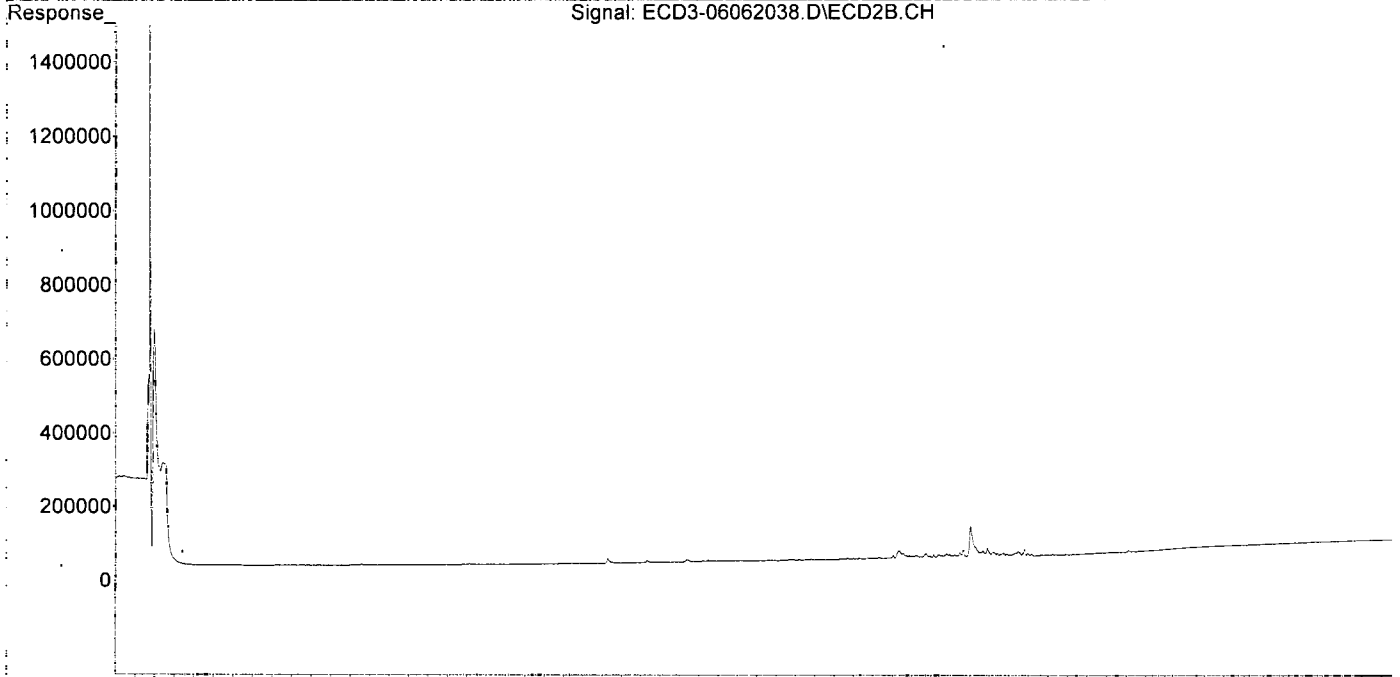
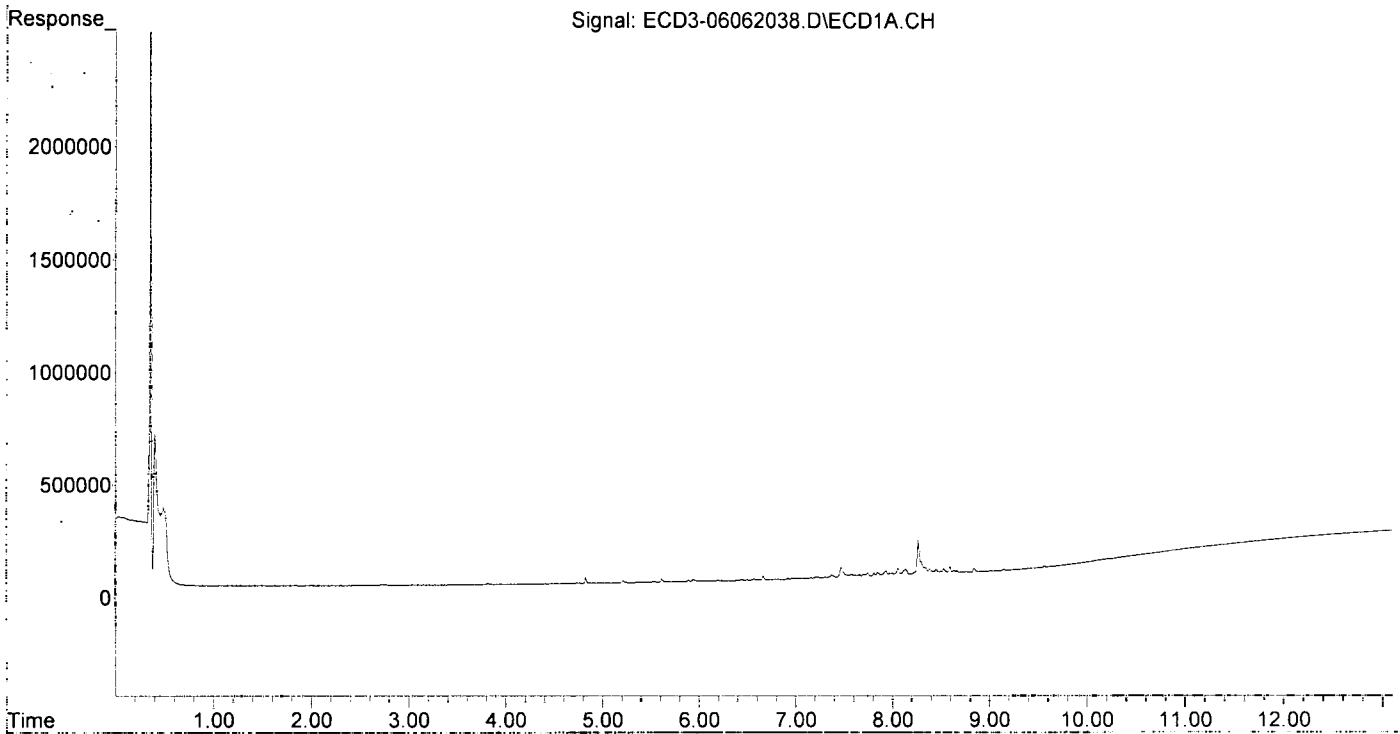
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	7.450	8.349	9023	8971	10.839m	8.010
37) Toxaphene...	7.743	8.698	13848	11843	9.190	8.682
38) Toxaphene...	8.057	8.731	28917	18559	9.297	8.551
39) Toxaphene...	8.297	8.804	57068	81781	14.353	16.125
40) Toxaphene...	8.527	8.978	20738	21539	8.806	8.638
41) Toxaphene...	8.594	9.358	30467	17786	10.044	8.787
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f) = RT Delta > 1/2 Window (#) = Amounts differ by > 40% (m) = manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

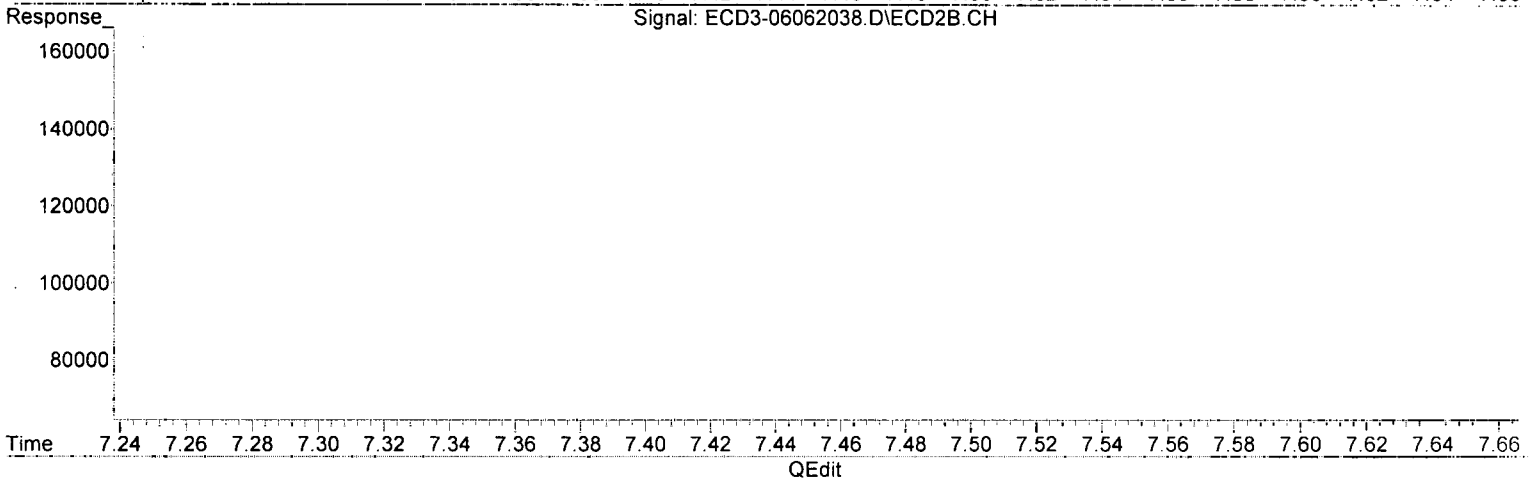
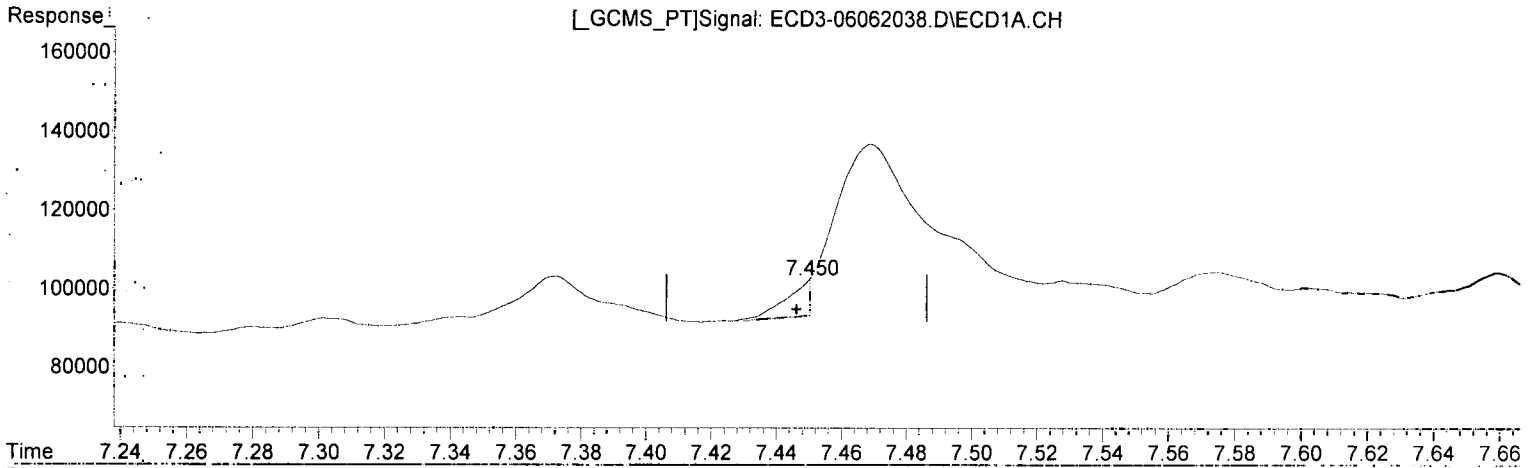
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:08:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:05:06 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.450min 10.839 ng/mL(m)
response 9023

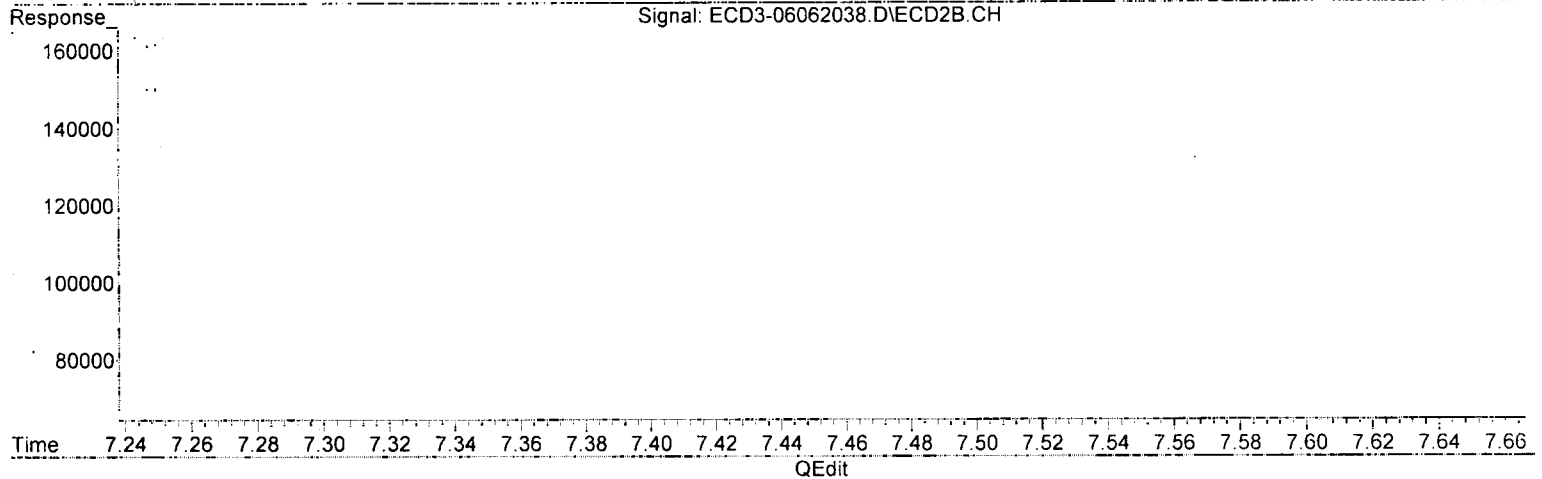
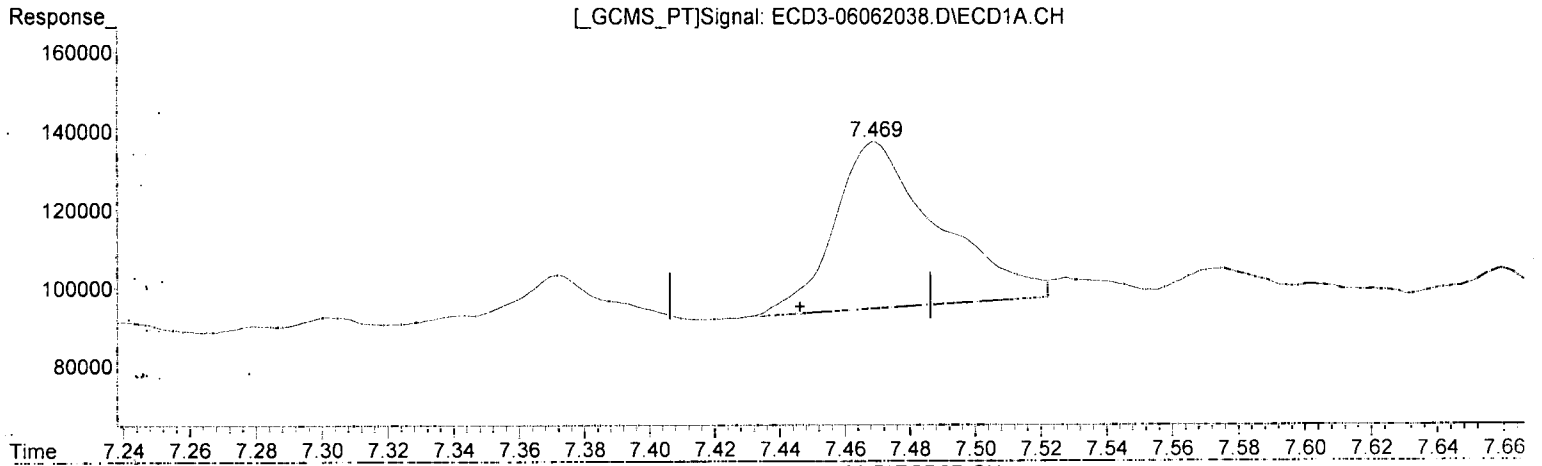
MJB
6/7/20

(36) Toxaphene (1) #2
8.349min 8.010 ng/mL
response 8971

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:05:06 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.469min 51.182 ng/mL
response 42605

*MJB
6/6/20*

(36) Toxaphene (1) #2
8.349min 8.010 ng/mL
response 8971

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:03
 Operator : MJB
 Sample : 0F06006-CALQ
 Misc : A20F084, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:05:06 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:04:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

ME
MJB
6/11/20

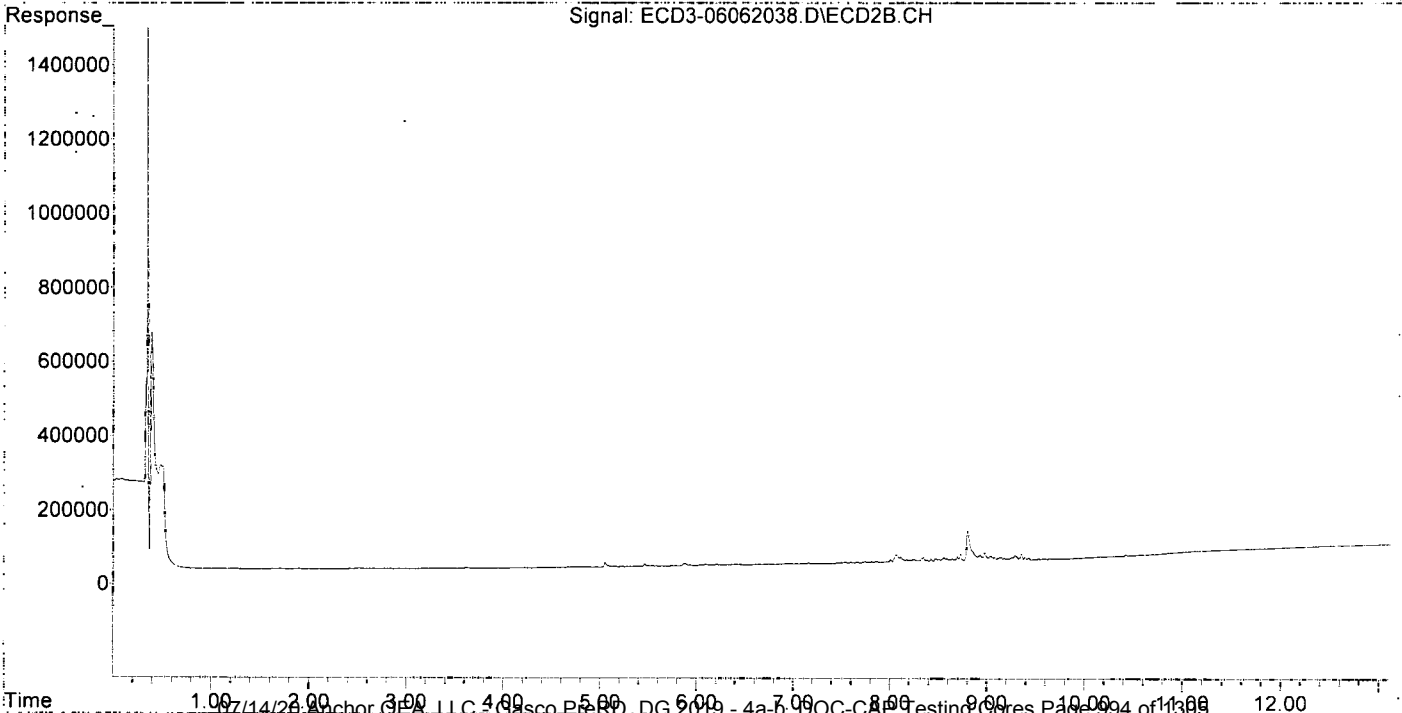
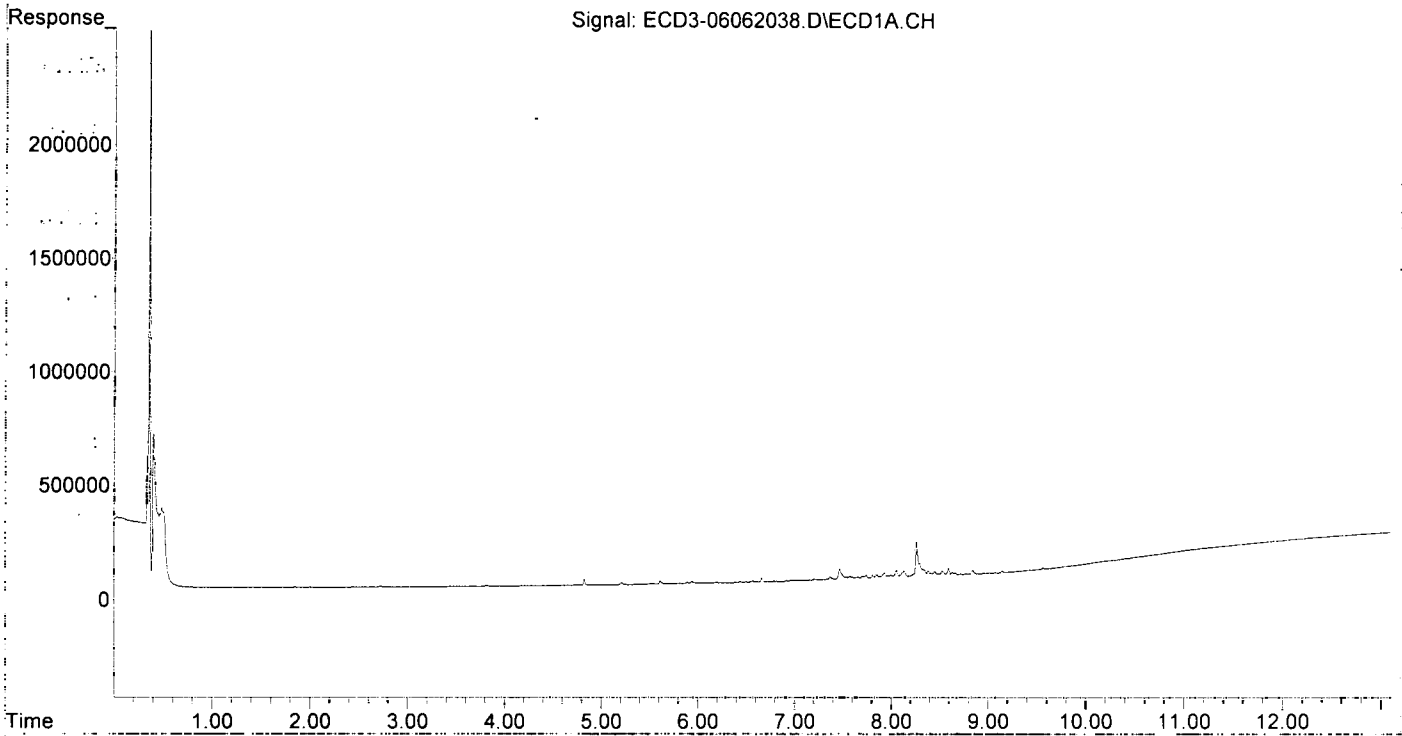
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.469f	8.349	42605	8971	51.182	8.010 #
37)	Toxaphene...	7.743	8.698	13848	11843	9.190	8.682
38)	Toxaphene...	8.057	8.731	28917	18559	9.297	8.551
39)	Toxaphene...	8.297	8.804	57068	81781	14.353	16.125
40)	Toxaphene...	8.527	8.978	20738	21539	8.806	8.638
41)	Toxaphene...	8.594	9.358	30467	17786	10.044	8.787
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:03
Operator : MJB
Sample : 0F06006-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:05:06 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:20
 Operator : MJB
 Sample : 0F06006-CALR
 Misc : (Sig #1); A20F064, TOX 50 ppb (Sig #2)
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:09:07 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:04:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

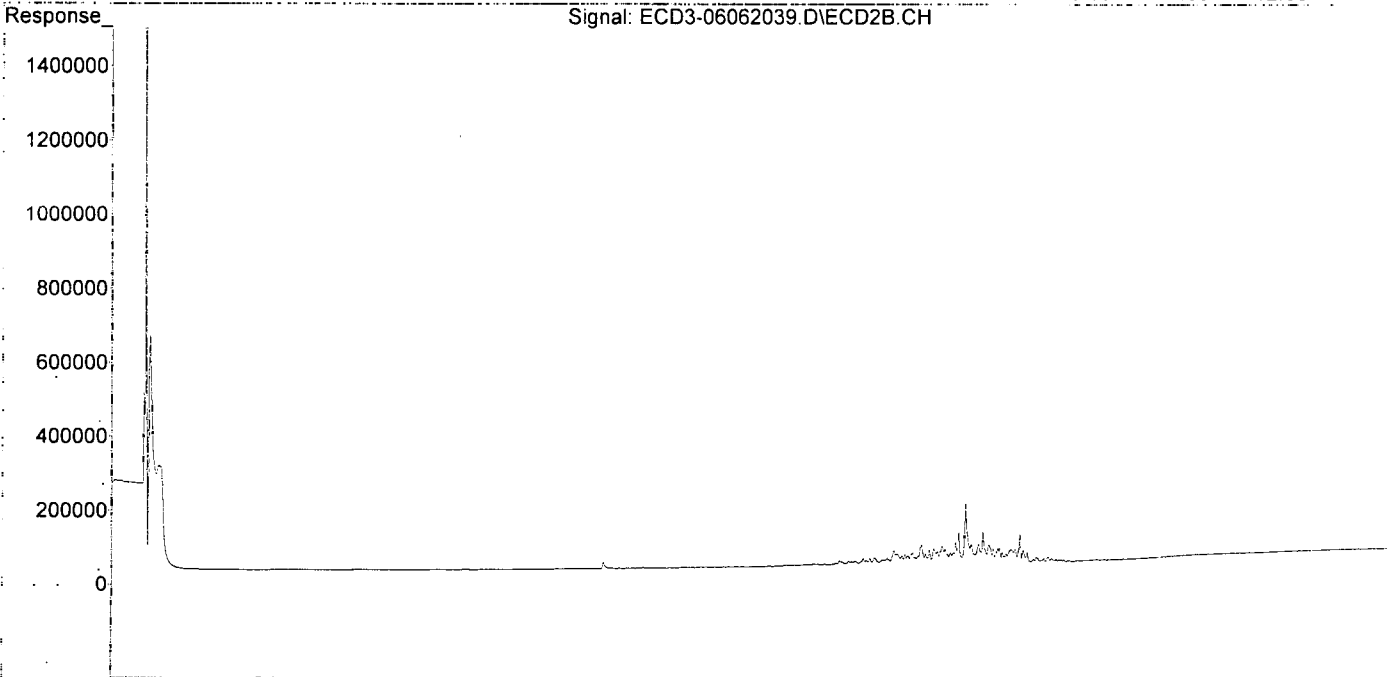
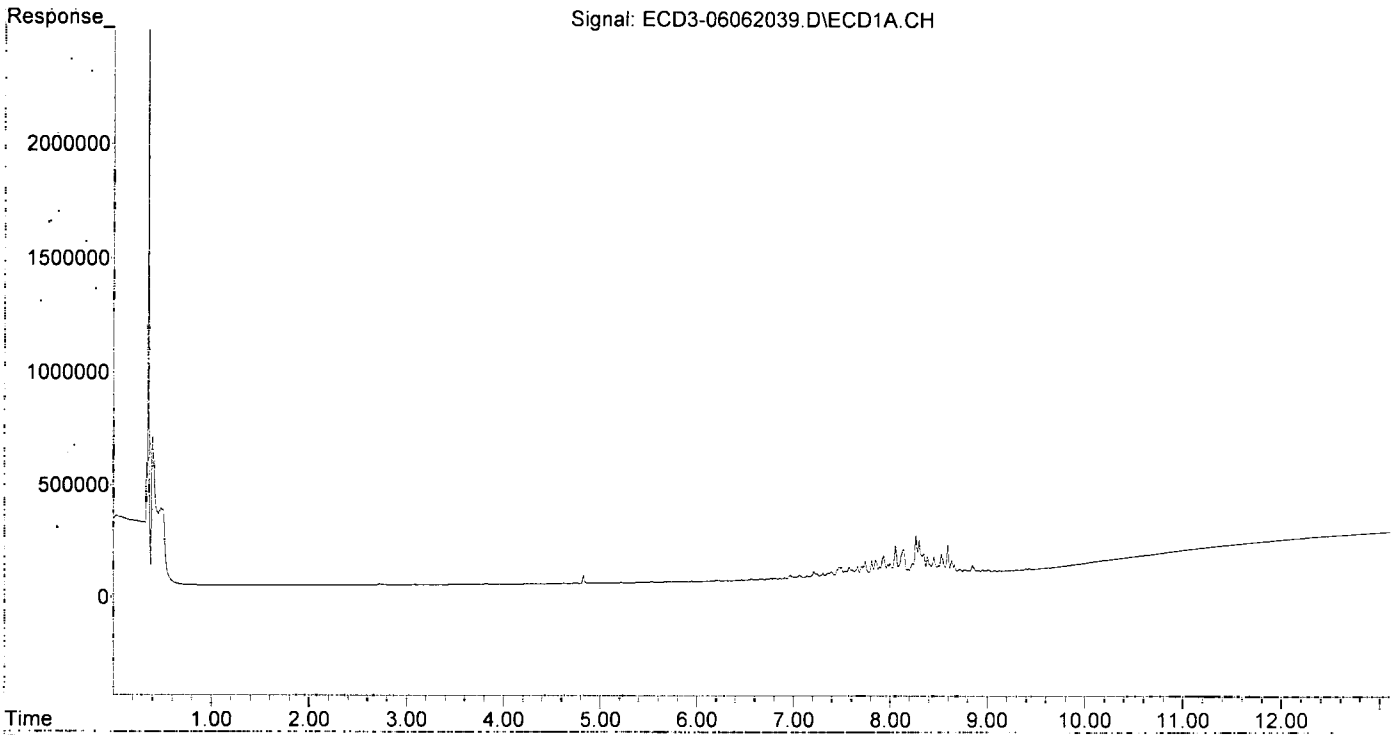
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	7.447	8.347	35071	48764	42.132	43.540
37) Toxaphene...	7.742	8.697	67839	54040	45.021	39.617
38) Toxaphene...	8.054	8.730	132155	78373	42.489	36.111
39) Toxaphene...	8.298	8.800	153288	157727	48.662	40.407
40) Toxaphene...	8.525	8.977	88127	79748	37.419	40.782
41) Toxaphene...	8.593	9.357	128325	72860	42.304	35.998
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:20
Operator : MJB
Sample : 0F06006-CALR
Misc : (Sig #1); A20F064, TOX 50 ppb (Sig #2)
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:09:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:37
 Operator : MJB
 Sample : 0F06006-CALS
 Misc : (Sig #1); A20F065, TOX 100 ppb (Sig #2)
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:09:33 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 Last Update : Sun Jun 07 13:04:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

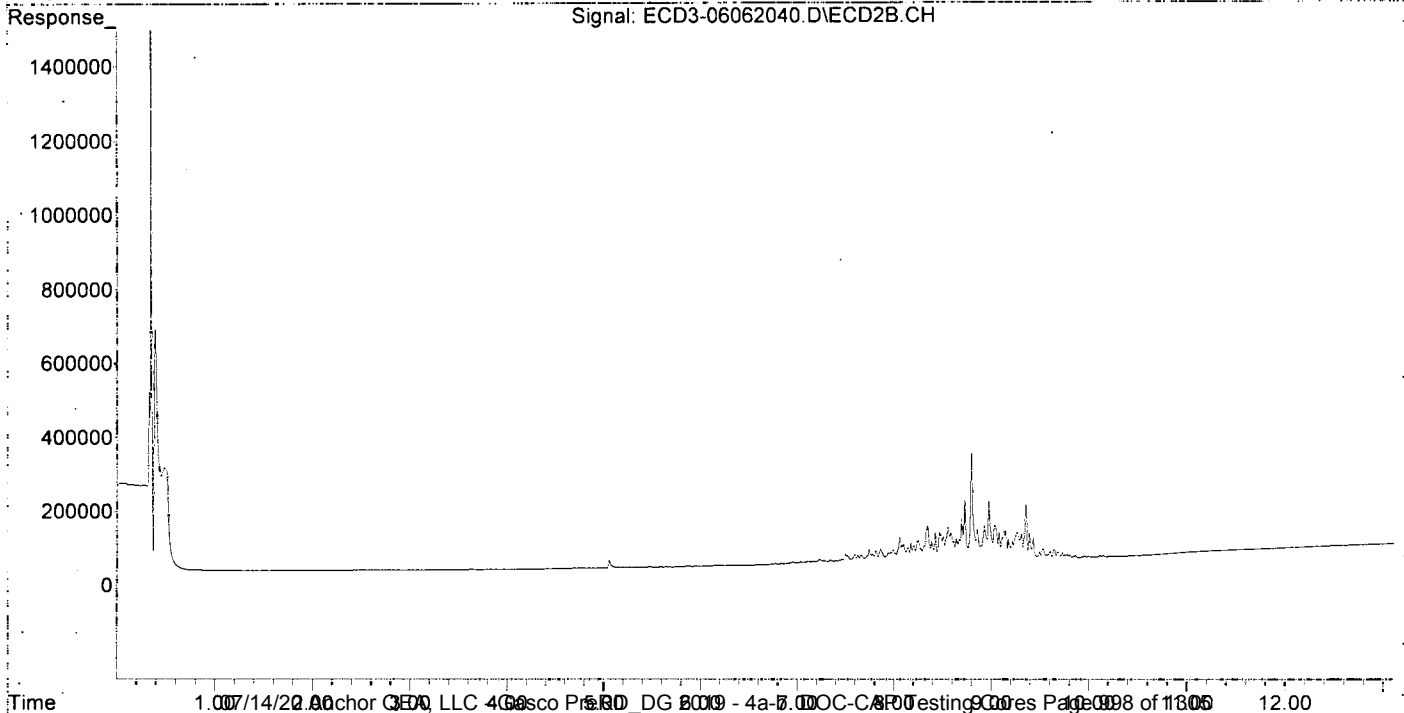
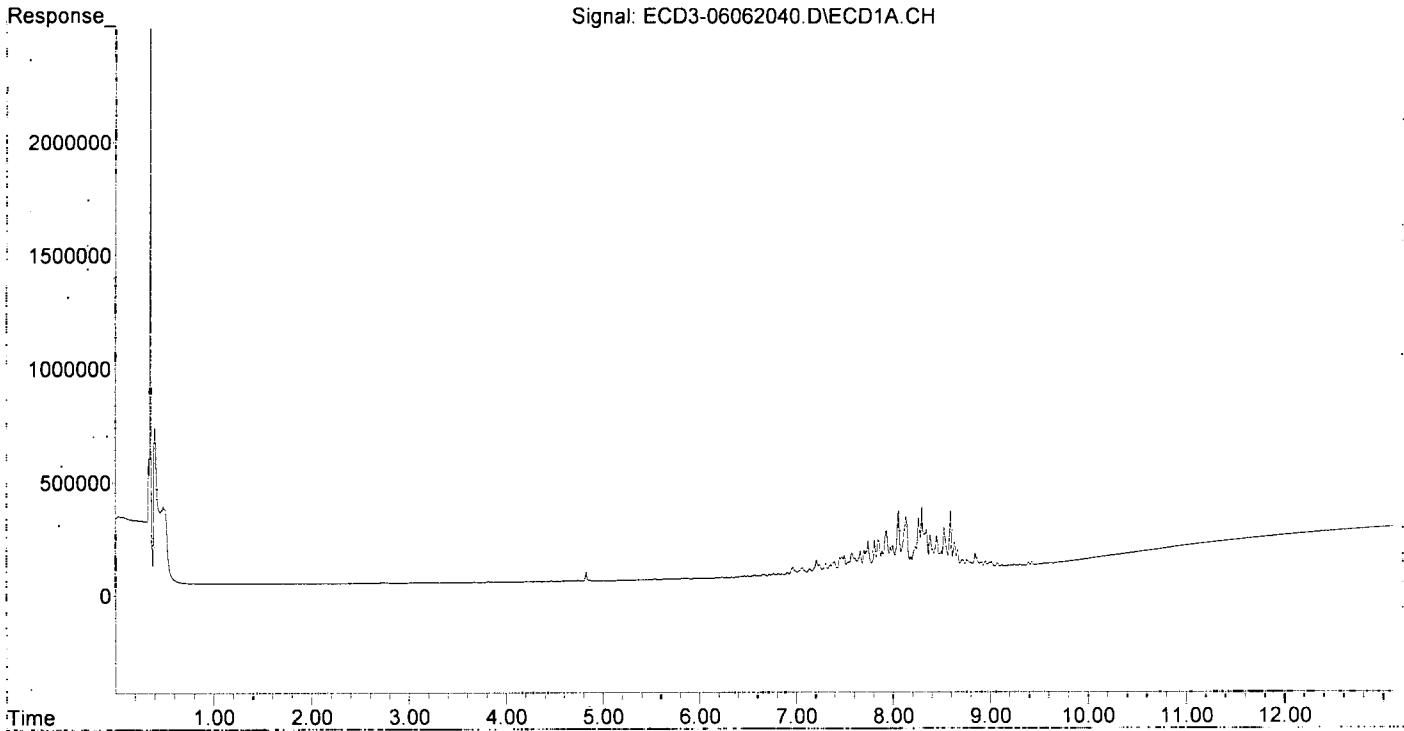
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	7.448	8.347	67332	93293	80.888	83.299
37) Toxaphene...	7.744	8.697	134815	109701	89.469	80.422
38) Toxaphene...	8.056	8.730	264911	160589	85.170	73.992
39) Toxaphene...	8.298	8.799	276463	284838	92.406	80.952
40) Toxaphene...	8.526	8.977	182749	156535	77.596	83.103
41) Toxaphene...	8.594	9.356	254818	147385	84.003	72.819
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:37
Operator : MJB
Sample : 0F06006-CALS
Misc : (Sig #1); A20F065, TOX 100 ppb (Sig #2)
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:09:33 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 2:55
 Operator : MJB
 Sample : 0F06006-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:11:16 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Sun Jun 07 13:04:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
6/12/20*

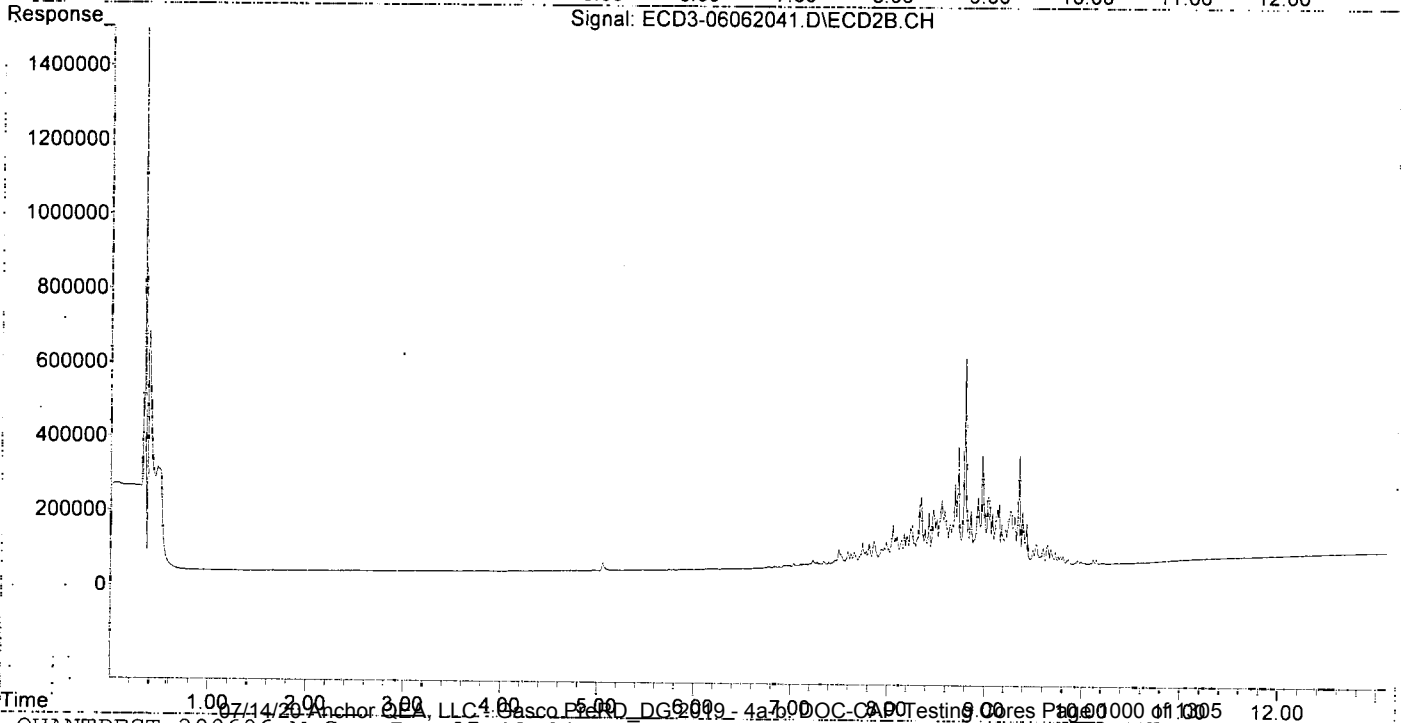
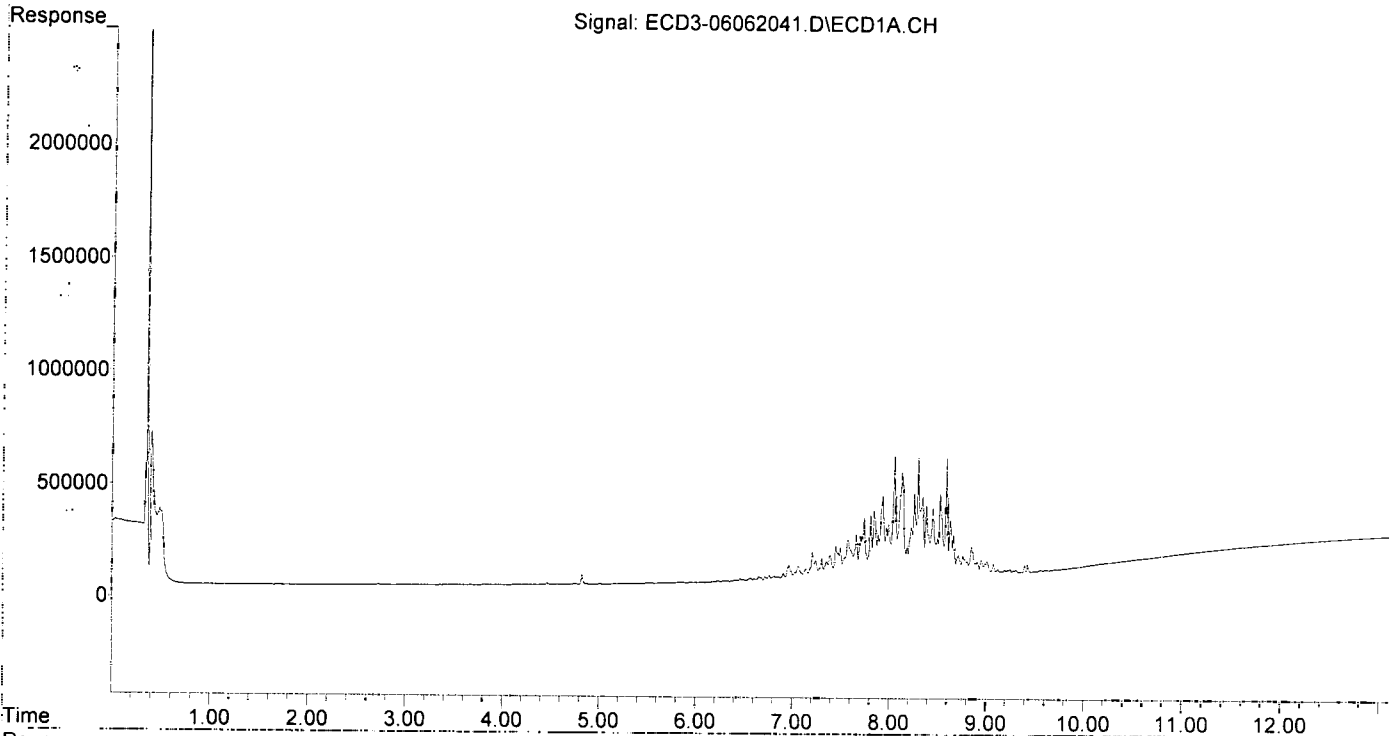
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	7.448	8.347	141267	178857	169.707	159.696
37) Toxaphene...	7.743	8.697	263780	212290	175.056	155.631
38) Toxaphene...	8.056	8.730	536399	316450	172.455	145.806
39) Toxaphene...	8.299	8.799	521292	550559	178.778	165.326
40) Toxaphene...	8.527	8.977	361345	290277	153.429	156.592
41) Toxaphene...	8.595	9.357	518581	290616	170.955	143.586
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 2:55
Operator : MJB
Sample : 0F06006-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:11:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 3:12
 Operator : MJB
 Sample : 0F06006-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:03:53 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 12:56:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

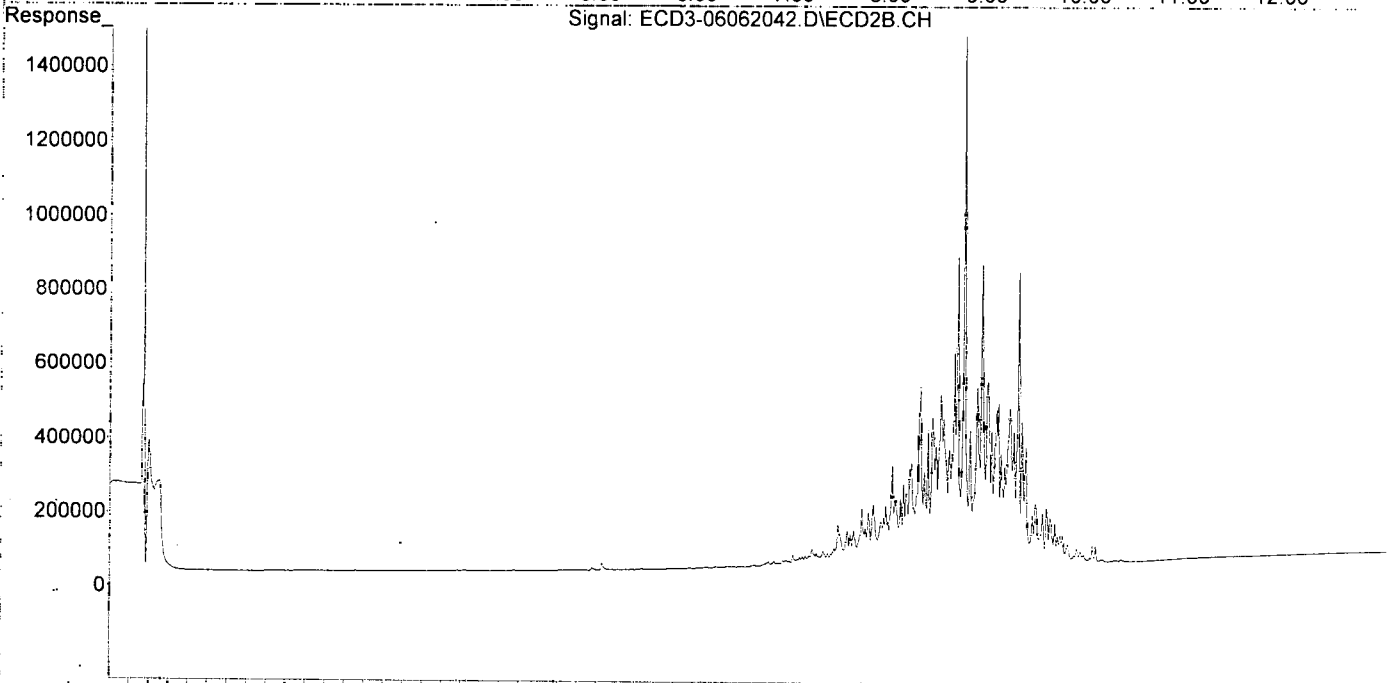
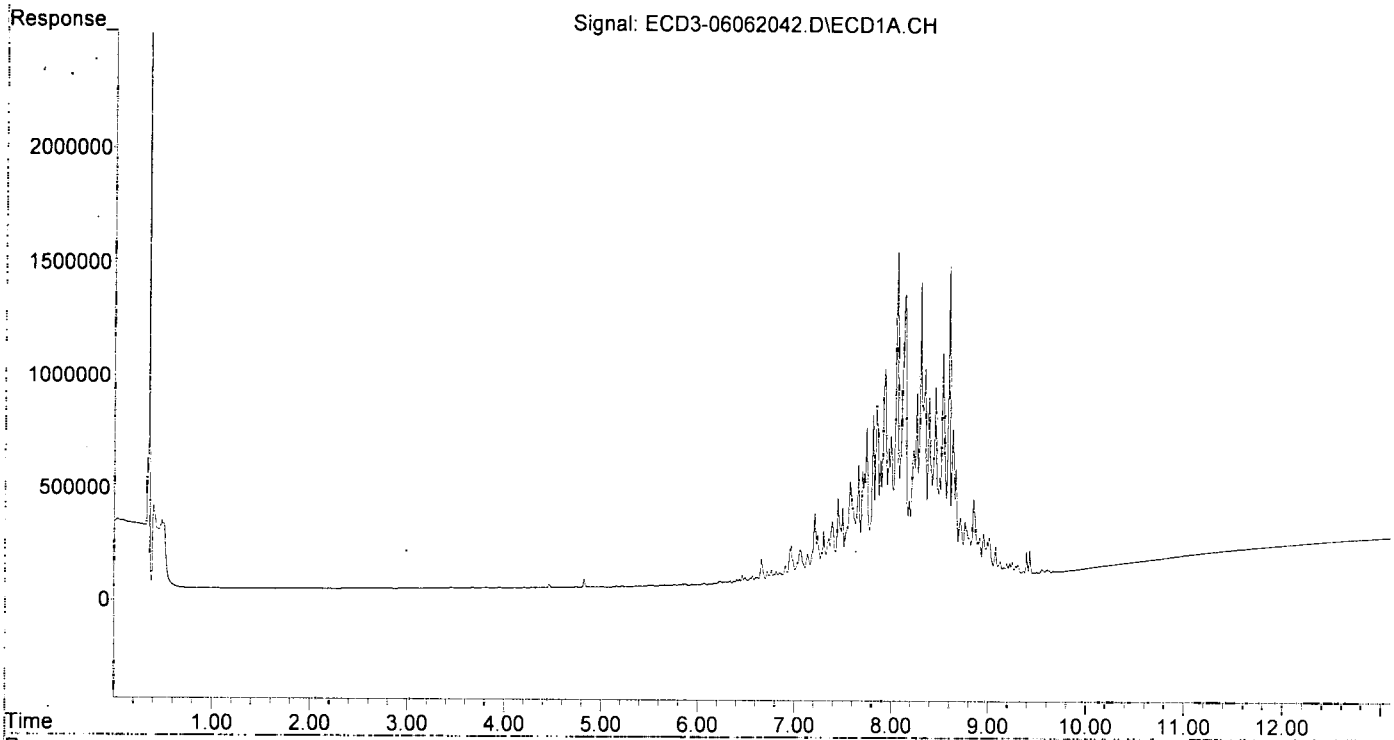
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	7.446	8.346	364718	470819	438.144	420.381
37) Toxaphene...	7.742	8.697	672639	564854	446.392	414.096
38) Toxaphene...	8.055	8.730	1448445	821447	465.683	378.487
39) Toxaphene...	8.298	8.797	1316874	1412810	454.356	435.651
40) Toxaphene...	8.526	8.977	994735	799448	422.370	433.842
41) Toxaphene...	8.593	9.356	1380932	777622	455.237	384.202
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 3:12
Operator : MJB
Sample : 0F06006-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:03:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 12:56:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 3:29
 Operator : MJB
 Sample : 0F06006-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:12:16 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:04:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/6/20

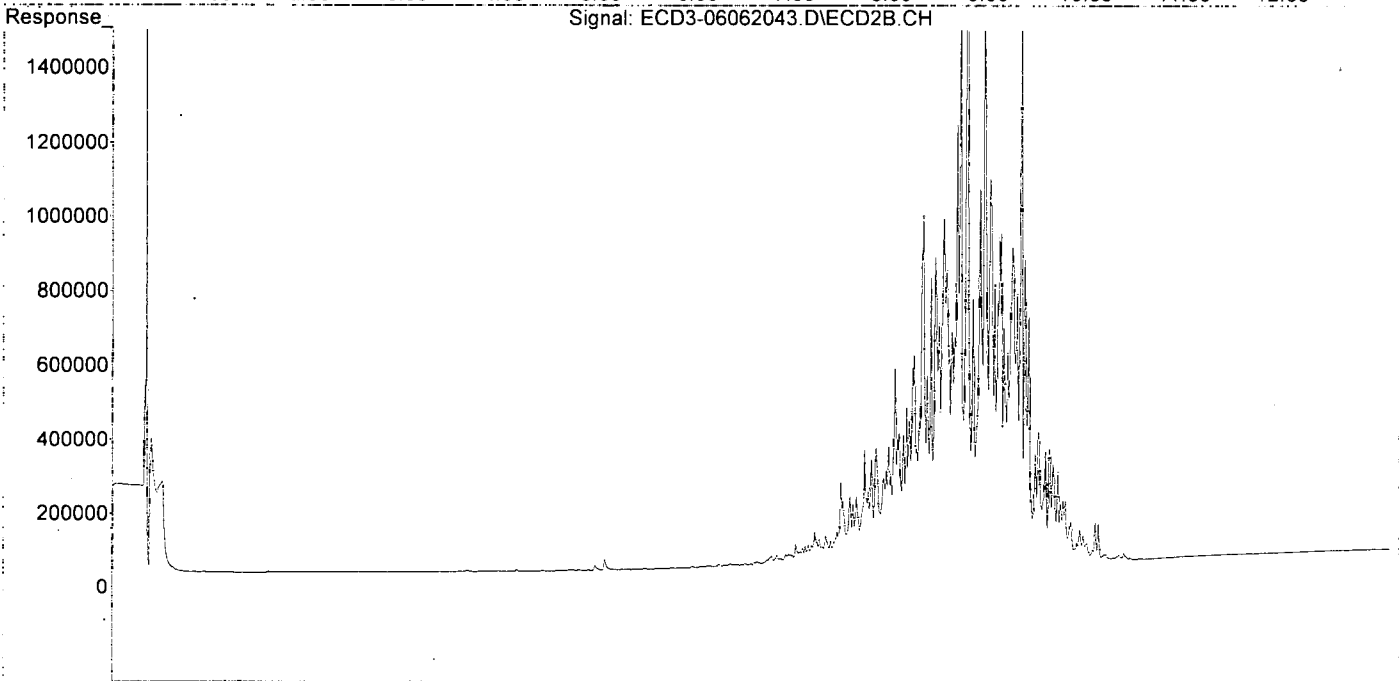
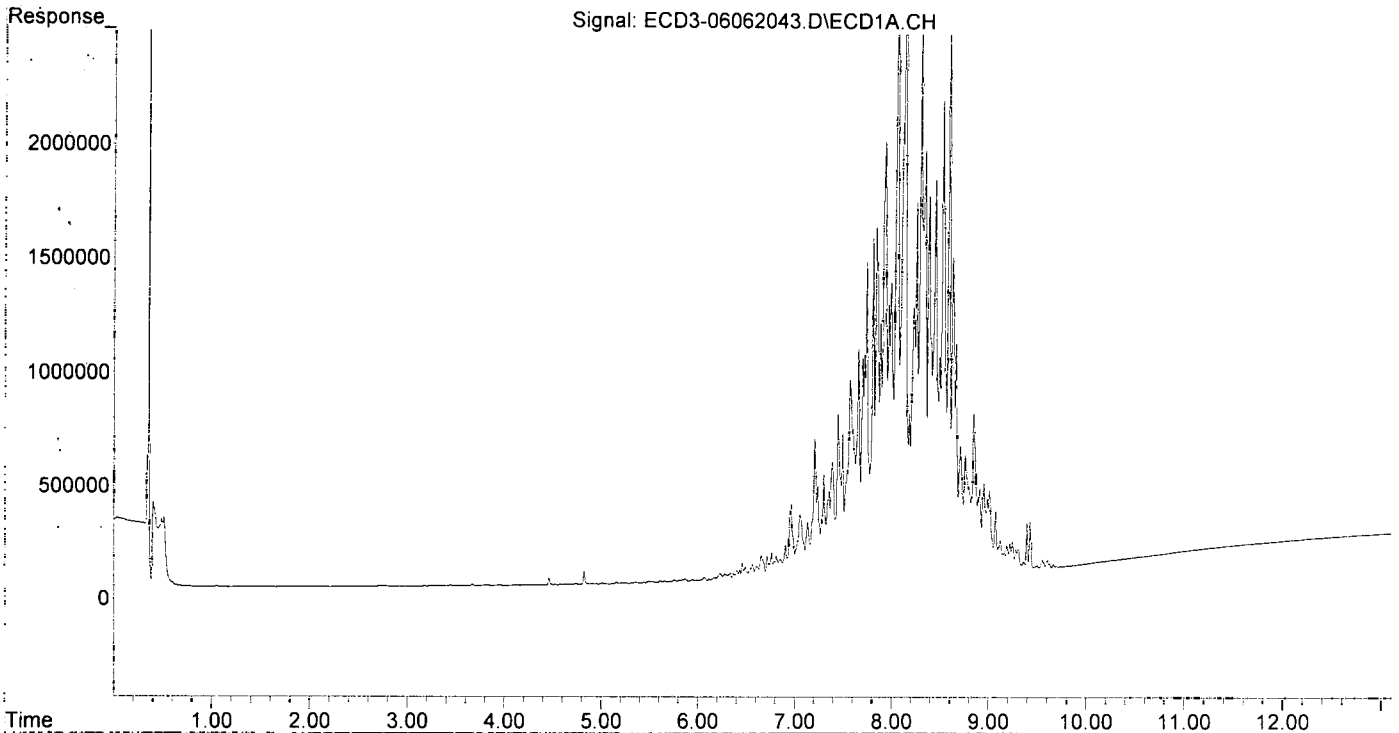
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	7.446	8.346	720081	928750	865.050	829.255
37) Toxaphene...	7.741	8.696	1382011	1166999	917.161	855.531
38) Toxaphene...	8.054	8.730	2880010	1670440	925.939	769.666
39) Toxaphene...	8.297	8.797	2684766	2915033	911.410	894.667
40) Toxaphene...	8.525	8.977	2080618	1610593	883.442	867.574
41) Toxaphene...	8.593	9.356	2843685	1683843	937.446	831.941
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 3:29
Operator : MJB
Sample : 0F06006-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:12:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
 Data File : ECD3-06062044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 07 Jun 2020 3:46
 Operator : MJB
 Sample : 0F06006-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 07 13:13:17 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
 Quant Title : Instrument: DualECD3
 QLast Update : Sun Jun 07 13:04:03 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
6/8/20

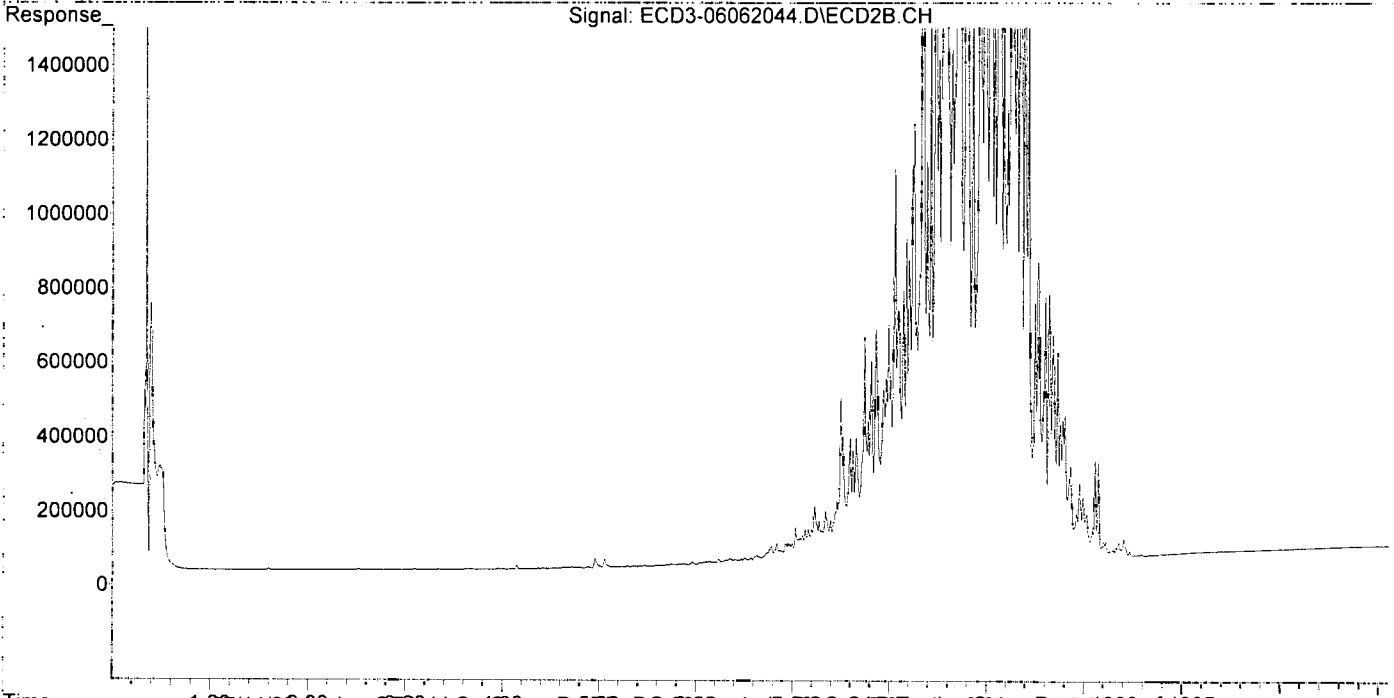
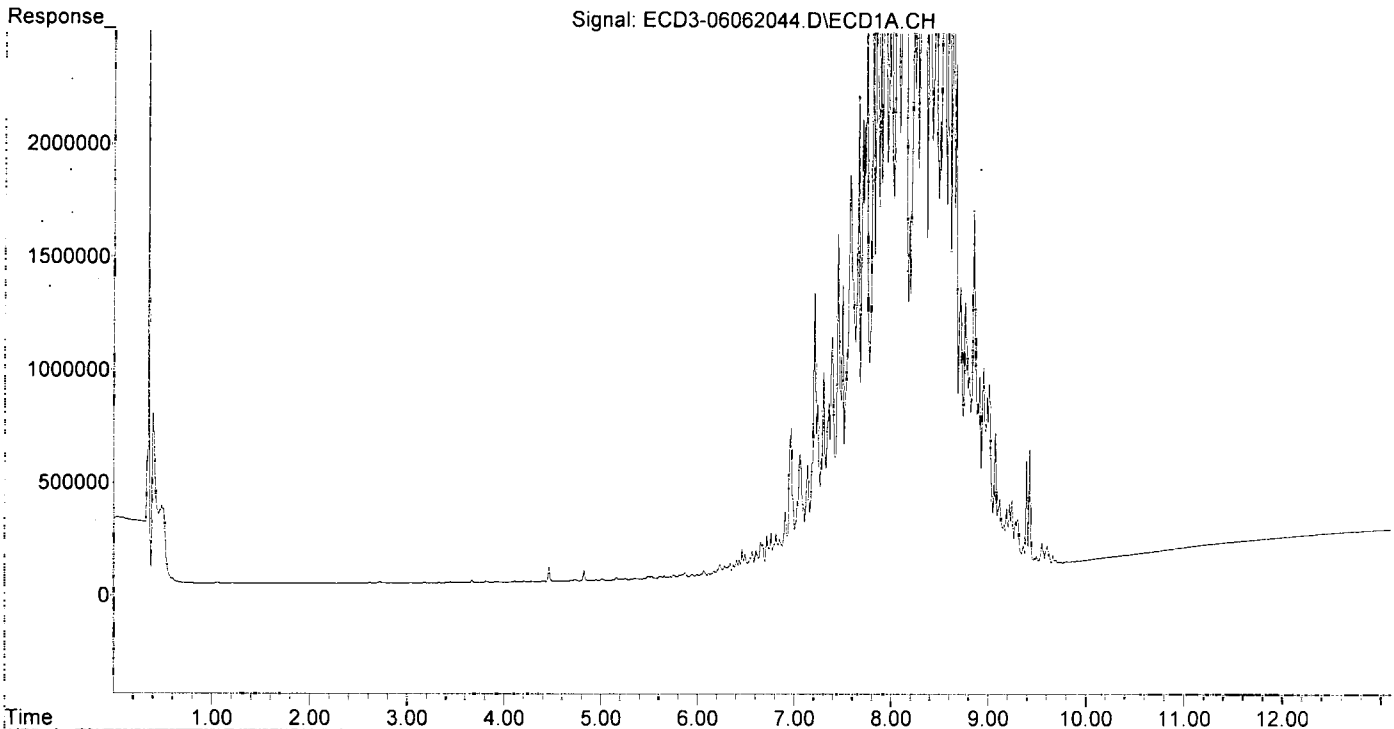
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30) cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31) Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	7.446	8.346	1498136	1981909	1799.746	1769.592
37) Toxaphene...	7.741	8.696	2760683	2507204	1832.107	1838.039
38) Toxaphene...	8.055	8.729	6167329	3628701	1982.831	1671.947
39) Toxaphene...	8.297	8.797	5678881	6100637	1848.718	1823.233
40) Toxaphene...	8.525	8.978	4537318	3478951	1926.571	1832.450
41) Toxaphene...	8.593	9.356	6144339	3653202	2025.535	1804.948
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-06\0F06006\
Data File : ECD3-06062044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 07 Jun 2020 3:46
Operator : MJB
Sample : 0F06006-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:13:17 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200606.M
Quant Title : Instrument: DualECD3
QLast Update : Sun Jun 07 13:04:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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

Batch 0060104
Sequence 0F03037 (A0E0668-02)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060104 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	7-11	>11	
	0060104-BLK1	QC	06/03/20 07:17	11	5				100						
	0060104-BS1	QC	06/03/20 07:17	10	5	A20E219		100	100						
	A0E0612-21	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.06	5				100	PDI-168SC-A-07-08-200520					
	0060104-DUP1	QC	06/03/20 07:17	10.1	5		A0E0612-21		100						
	A0E0612-22	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.14	5				100	PDI-168SC-B-11.3-13.3-200520					
	A0E0612-23	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.15	5				100	PDI-168SC-B-13.3-15.1-200520					
	A0E0612-24	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.23	5				100	PDI-168SC-B-5.3-7.3-200520					
	A0E0612-25	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.75	5				100	PDI-168SC-B-7.3-9.3-200520					
	A0E0612-26	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.59	5				100	PDI-168SC-B-9.3-11.3-200520					
	A0E0612-27	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.1	5				100	PDI-172SC-A-00-01-200520					
	A0E0612-28	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.25	5				100	PDI-172SC-A-01-02-200520					
	A0E0612-29	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.42	5				100	PDI-172SC-A-02-03-200520					
	A0E0612-30	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.6	5				100	PDI-172SC-A-03-04-200520					
	A0E0612-31	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.24	5				100	PDI-172SC-A-04-05-200520					
	A0E0612-32	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.08	5				100	PDI-172SC-A-05-06-200520					
	A0E0612-33	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.6	5				100	PDI-172SC-A-06-07-200520					
	A0E0612-34	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.25	5				100	PDI-172SC-A-07-08-200520					
	A0E0612-35	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.55	5				100	PDI-172SC-B-11.7-14-200520					
	A0E0612-36	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.45	5				100	PDI-172SC-B-5.7-7.7-200520					

Prepared By: _____ Date _____



 Reviewed By: _____ Date _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060104 (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
	A0E0612-37	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.67	5				100	PDI-172SC-B-7. 7-9.7-200520			
	A0E0612-38	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.11	5				100	PDI-172SC-B-9. 7-11.7-200520			
	A0E0668-01	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.08	5				100	PDI-1175SC-A-0 1-02-200522			
	A0E0668-02	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10.05	5				100	PDI-175SC-A-00 -01-200522			
	0060104-MS1	QC	06/03/20 07:17	10.04	5	A20E219	A0E0668-02	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	A20E219	08/01/20	LVI PAH Spike @2000ng/ml	A20E263	11/08/20	8270D LL PAH Only Surr. (5ppm)
A20B017	08/01/20	Glass Wool						
A20D177	10/10/22	Sodium Sulfate Lot # 195510						
A20E143	11/09/20	DCM CHEM PROD. DY726-US						

Method 3546 digestion time and temperture achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060104 (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	0060104-BLK1	QC	06/03/20 07:17	10	5				100						
2	0060104-BS1	QC	06/03/20 07:17	10	5	A20E219		100	100						
3	A0E0612-21	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.06	5				100	PDI-168SC-A-07-08-200520	soil				
4	0060104-DUP1	QC	06/03/20 07:17	10 10.10	5		A0E0612-21		100		soil				
5	A0E0612-22	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.14	5				100	PDI-168SC-B-11.3-13.3-200520	soil, org				
6	A0E0612-23	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.15	5				100	PDI-168SC-B-13.3-15.1-200520	soil				
7	A0E0612-24	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.23	5				100	PDI-168SC-B-5.3-7.3-200520	soil				
8	A0E0612-25	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.75	5				100	PDI-168SC-B-7.3-9.3-200520	soil				
9	A0E0612-26	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.59	5				100	PDI-168SC-B-9.3-11.3-200520	soil				
10	A0E0612-27	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.10	5				100	PDI-172SC-A-00-01-200520	soil				
11	A0E0612-28	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.25	5				100	PDI-172SC-A-01-02-200520	soil				
12	A0E0612-29	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.42	5				100	PDI-172SC-A-02-03-200520	soil				
13	A0E0612-30	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.60	5				100	PDI-172SC-A-03-04-200520	soil				
14	A0E0612-31	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.24	5				100	PDI-172SC-A-04-05-200520	soil				
15	A0E0612-32	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.08	5				100	PDI-172SC-A-05-06-200520	soil				
16	A0E0612-33	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.60	5				100	PDI-172SC-A-06-07-200520	soil				
17	A0E0612-34	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.25	5				100	PDI-172SC-A-07-08-200520	soil				
18	A0E0612-35	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.55	5				100	PDI-172SC-B-11.7-14-200520	soil				
19	A0E0612-36	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.45	5				100	PDI-172SC-B-5.7-7.7-200520					

Prepared By: EAH Date: 6/03/20

Reviewed By: SLG Date: 06/03/2020

AJJ 6/3/20

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0060104 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-8	>11
20	A0E0612-37	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.67	5 ✓				100	PDI-172SC-B-7. 7-9.7-200520	soil			
21	A0E0612-38	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.11	5 ✓				100	PDI-172SC-B-9. 7-11.7-200520	soil			
22	A0E0668-01	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.08	5 ✓				100	PDI-1175SC-A-0 1-02-200522	soil			
23	A0E0668-02	A 8270D LL PAH Only (Scan)	06/03/20 07:17	10 10.05	5 ✓				100	PDI-175SC-A-00 -01-200522	soil			
24	0060104-MS1	QC	06/03/20 07:17	10 10.04	5 ✓	A20E219	A0E0668-02	100	100		soil			

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	A20E219	08/01/20	LVI PAH Spike @2000ng/ml	A20E263	11/08/20	8270D LL PAH Only Surr. (5ppm)
A20B017	08/01/20	Glass Wool						
A20D177	10/10/22	Sodium Sulfate Lot # 195510						
A20E143	11/09/20	DCM CHEM PROD. DY726-US						

Method 3546 digestion time and temperture achieved.

Initial: CAM 6/3/20

Witness: JST 6-3-20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F03037

Instrument: SV-GCMS14

Date: 06/03/20 08:05

Calibration: A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F03037-TUN1	Sediment	QC	QC			A20C491	A20F011
2	0F03037-CCV1	Sediment	QC	QC			A20C491	A20C472
3	0F03037-CCB1	Sediment	QC	QC			A20C491	
4	A0E0612-06	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/04/20	0060055	A20C491	
5	A0E0612-07	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/04/20	0060055	A20C491	
6	0060104-BLK1	Sediment	QC	QC		0060104	A20C491	
7	0060104-BS1	Sediment	QC	QC		0060104	A20C491	
8	A0E0612-21	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/04/20	0060104	A20C491	
9	0060104-DUP1	Sediment	QC	QC		0060104	A20C491	
10	A0E0668-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/05/20	0060104	A20C491	
11	0060104-MS1	Sediment	QC	QC		0060104	A20C491	
12	0060090-BLK1	Sediment	QC	QC		0060090	A20C491	
13	0060090-BS1	Sediment	QC	QC		0060090	A20C491	

Data Entered By/Date: DTH 6/4/20

Comments:

Data Reviewed By/Date: JK 6/4/20

6/4/2020 1:18:53PM

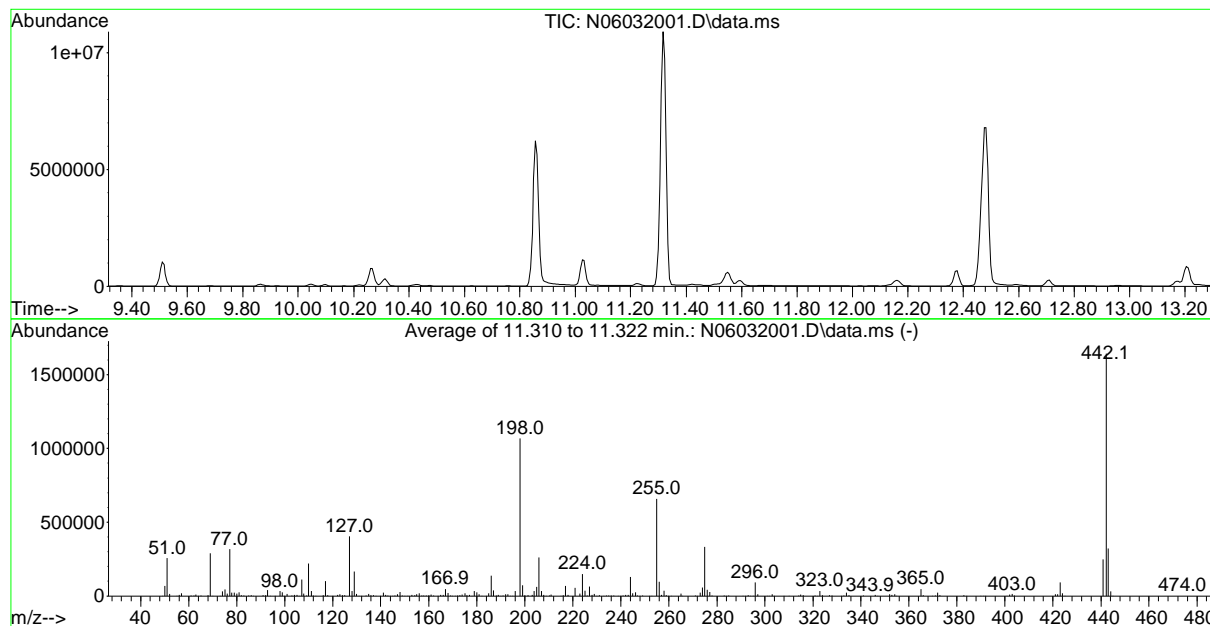
Page 1 of 1

AMS 6/4/20

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032001.D
 Acq On : 03 Jun 2020 08:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Tue Jun 02 15:33:25 2020



AutoFind: Scans 1204, 1205, 1206; Background Corrected with Scan 1198

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	5288	PASS
69	69	100	100	100.0	290363	PASS
70	69	0.00	2	0.5	1419	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1065621	PASS
199	198	5	9	6.8	72829	PASS
365	198	1	100	4.5	48096	PASS
441	443	0.01	150	77.4	248213	PASS
442	198	0.10	200	154.1	1642325	PASS
443	442	15	24	19.5	320747	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032001.D
 Acq On : 03 Jun 2020 08:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 10:43:50 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

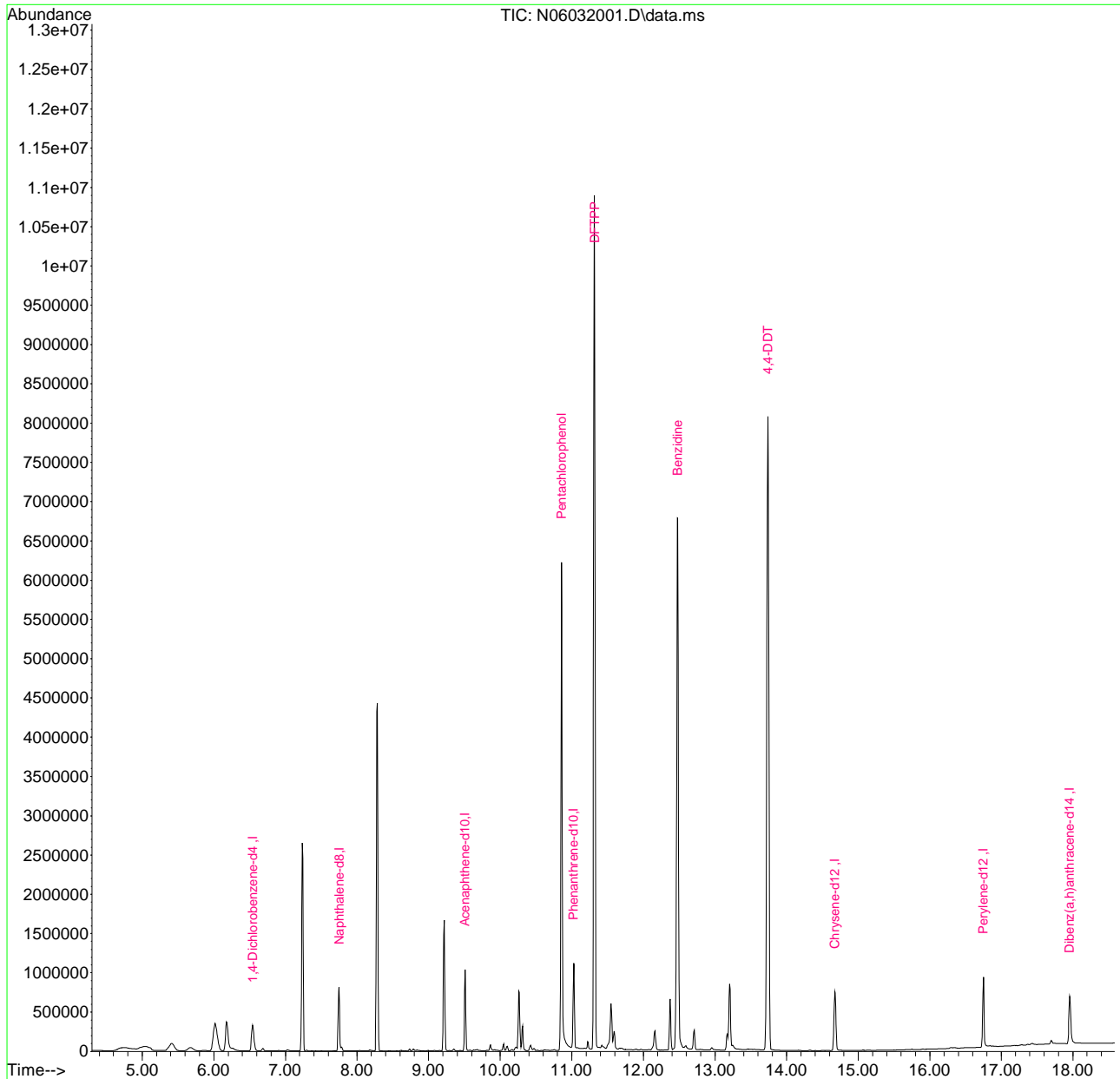
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.543	150	208049	2.00	ug/mL	0.00
2) Naphthalene-d8	7.749	136	563314	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.509	162	308909	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.025	188	604709	2.00	ug/mL	0.00
11) Chrysene-d12	14.674	240	517449	2.00	ug/mL	0.00
12) Perylene-d12	16.749	264	505628	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	17.955	292	474965	2.00	ug/mL	# 0.00
Target Compounds						Qvalue
4) Pentachlorophenol	10.856	266	1346077	46.15	ug/mL	81
6) DFTPP	11.322	442	2633311	53.94	ug/mL#	60
7) Benzidine	12.482	184	5416354	25.18	ug/mL	97
8) 4,4-DDE	12.709	TIC	354509	No Calib		
9) 4,4-DDD	13.205	TIC	1375152	No Calib		
10) 4,4-DDT	13.741	TIC	15427076	24.88	ug/mL	94

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
Data File : N06032001.D
Acq On : 03 Jun 2020 08:14 am
Operator : JK/ AMS/ DTH
Sample : 0F03037-TUN1
Misc : 1x, A20F011 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 10:43:50 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Tue Jun 02 15:33:25 2020
Response via : Initial Calibration



DDT Breakdown Check (Validated 5/1/2013)

From:

0F03037-TUN1

SV-GCMS 14

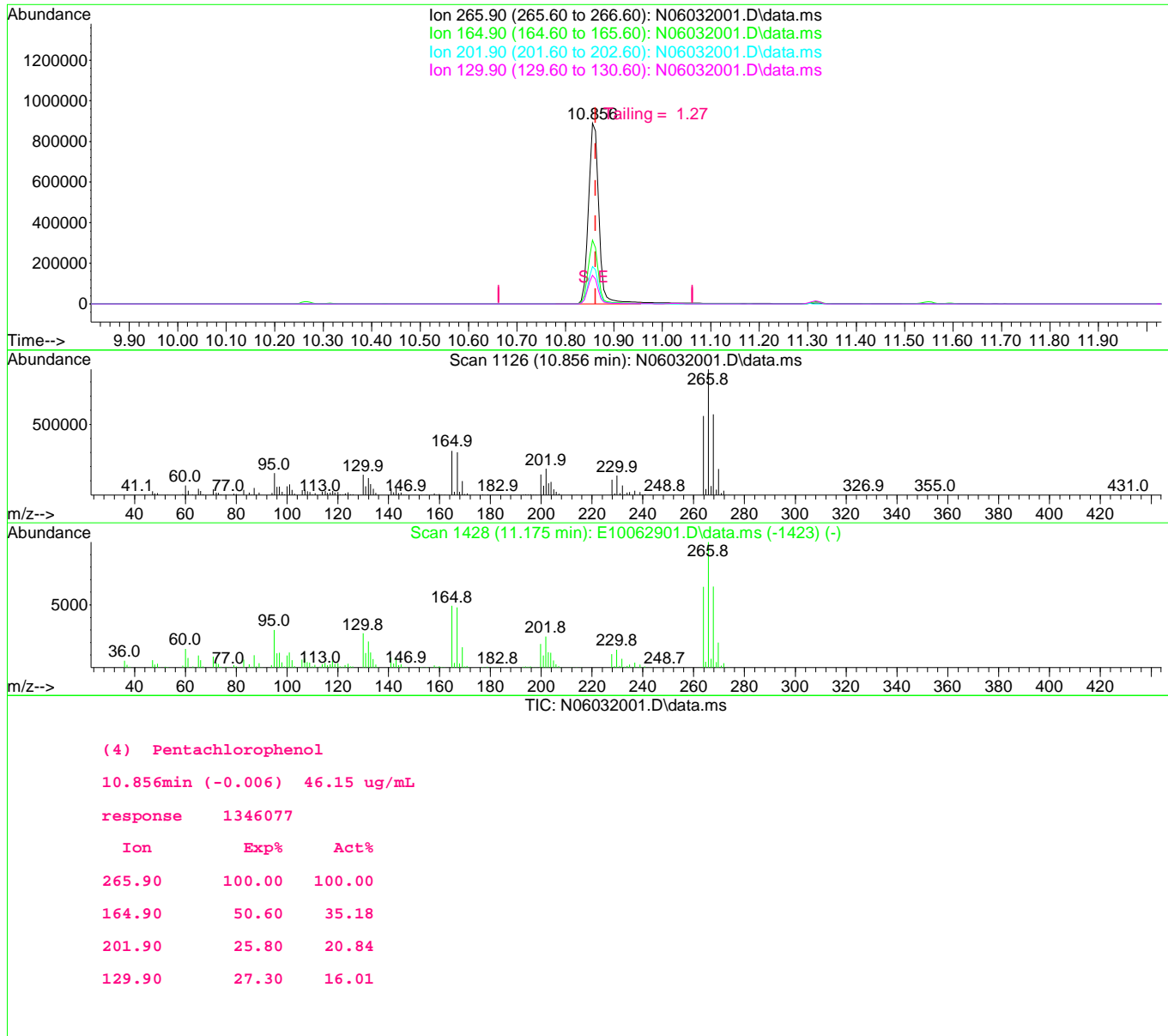
First Column Area Counts		Percent Breakdown	
DDE	354509		
DDD	1375152		
DDT	15427076	10.08	PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032001.D
 Acq On : 03 Jun 2020 08:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

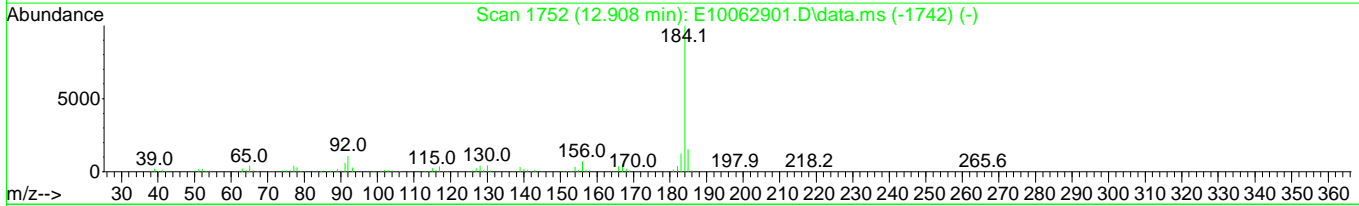
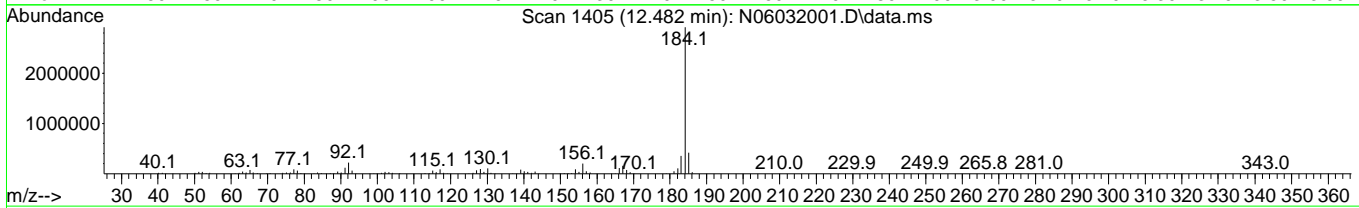
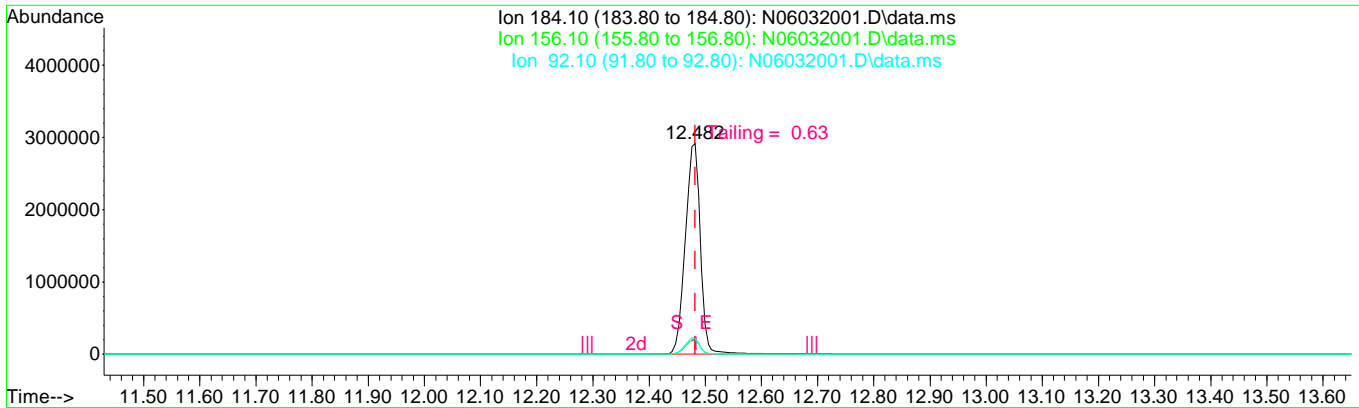
Quant Time: Jun 04 10:43:50 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032001.D
 Acq On : 03 Jun 2020 08:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 10:43:50 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration



TIC: N06032001.D\data.ms

(7) Benzidine

12.482min (0.000) 25.18 ug/mL

response 5416354

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.81
92.10	8.20	7.45
0.00	0.00	0.00

Evaluate Continuing Calibration Report

AMS 6/4/20

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032002.D
 Acq On : 03 Jun 2020 08:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 10:45:53 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	92	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	50.206	-0.4	96	0.00
3 T	Decalin	50.000	60.123	-20.2#	118	0.00
4 T	Naphthalene	50.000	48.616	2.8	92	0.00
5 T	2-Methylnaphthalene	50.000	51.389	-2.8	94	0.00
6 T	1-Methylnaphthalene	50.000	50.234	-0.5	92	0.00
7 T	1,1'-Biphenyl	50.000	51.844	-3.7	97	0.00
8 T	2,6-Dimethylnaphthalene	50.000	54.989	-10.0	102	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	99	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	49.703	0.6	99	0.00
11 T	Acenaphthylene	50.000	53.211	-6.4	102	0.00
12 T	Acenaphthene	50.000	50.145	-0.3	99	0.00
13 T	Dibenzofuran	50.000	52.577	-5.2	105	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	53.695	-7.4	108	0.00
15 T	Fluorene	50.000	53.345	-6.7	108	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	109	0.00
17 T	Dibenzothiopene	50.000	50.680	-1.4	109	0.00
18 T	Phenanthrene	50.000	47.269	5.5	104	0.00
19 T	Anthracene	50.000	53.684	-7.4	116	0.00
20 T	Carbazole	50.000	51.572	-3.1	106	0.01
21 T	1-Methylphenanthrene	50.000	51.685	-3.4	110	0.00
22 T	Fluoranthene	50.000	50.786	-1.6	109	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	96	0.02
24 T	Pyrene	50.000	52.277	-4.6	105	0.00
25 S	Terphenyl-d14 (Surr)	50.000	52.739	-5.5	102	0.00
26 T	Benz(a)anthracene	50.000	50.745	-1.5	102	0.01
27 T	Chrysene	50.000	47.732	4.5	93	0.01
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	95	0.02
29 T	Benzo(b)fluoranthene	50.000	51.998	-4.0	102	0.02
30 T	Benzo(k)fluoranthene	50.000	51.772	-3.5	98	0.02

Evaluate Continuing Calibration Report

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032002.D
 Acq On : 03 Jun 2020 08:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 10:45:53 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
31 T	Benzo(b+k)fluoranthene	100.000	102.395	-2.4	98	0.02
32 T	Benzo(e)pyrene	50.000	48.856	2.3	96	0.02
33 T	Benzo(a)pyrene	50.000	57.090	-14.2	102	0.02
34 T	Perylene	50.000	52.437	-4.9	92	0.02
35 I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	101	0.02
36 T	Indeno(1,2,3-cd)Pyrene	50.000	49.778	0.4	103	0.02
37 T	Dibenz(a,h)anthracene	50.000	51.273	-2.5	104	0.02
38 T	Benzo(g,h,i)perylene	50.000	48.429	3.1	96	0.02

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032002.D
 Acq On : 03 Jun 2020 08:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 10:45:53 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.802	136	244983	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	145311	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	263211	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	230353	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	220749	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	193565	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	38423	50.21	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	111815	49.70	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	117382	52.74	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.271	138	11777	60.12	ng/ml	87
4) Naphthalene	7.825	128	129722	48.62	ng/ml	99
5) 2-Methylnaphthalene	8.513	142	92070	51.39	ng/ml	96
6) 1-Methylnaphthalene	8.612	142	89363	50.23	ng/ml	97
7) 1,1'-Biphenyl	8.973	154	117074	51.84	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.136	156	85187	54.99	ng/ml	97
11) Acenaphthylene	9.416	152	144179	53.21	ng/ml	99
12) Acenaphthene	9.591	153	99672	50.15	ng/ml	99
13) Dibenzofuran	9.766	168	126491	52.58	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.976	170	83632	53.69	ng/ml	99
15) Fluorene	10.116	166	101952	53.35	ng/ml	99
17) Dibenzothiopene	10.967	184	134805	50.68	ng/ml	94
18) Phenanthrene	11.095	178	143209	47.27	ng/ml	100
19) Anthracene	11.147	178	133202	53.68	ng/ml	99
20) Carbazole	11.316	167	110473	51.57	ng/ml	98
21) 1-Methylphenanthrene	11.718	192	105595	51.68	ng/ml	99
22) Fluoranthene	12.348	202	151645	50.79	ng/ml	95
24) Pyrene	12.634	202	156192	52.28	ng/ml	99
26) Benz(a)anthracene	14.761	228	121222	50.75	ng/ml	100
27) Chrysene	14.843	228	117272	47.73	ng/ml	100
29) Benzo(b)fluoranthene	17.343	252	118662	52.00	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	117781	51.77	ng/ml	91
31) Benzo(b+k)fluoranthene	17.407	252	245714	102.39	ng/ml	91
32) Benzo(e)pyrene	17.996	252	116578	48.86	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032002.D
 Acq On : 03 Jun 2020 08:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 10:45:53 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

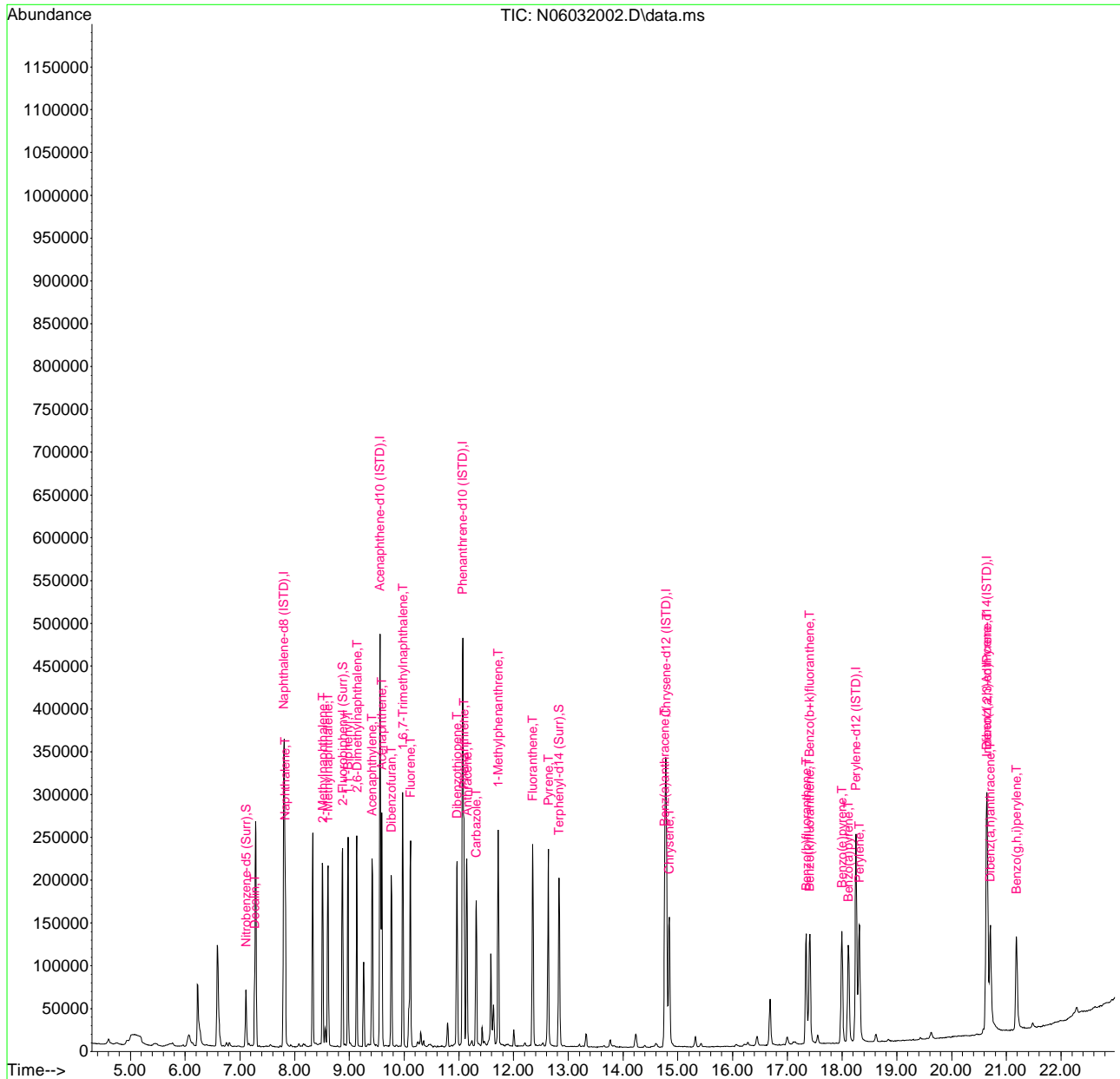
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	104641	57.09	ng/ml	96
34) Perylene	18.316	252	128839	52.44	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.648	276	104665	49.78	ng/ml	78
37) Dibenz(a,h)anthracene	20.706	278	108711	51.27	ng/ml	81
38) Benzo(g,h,i)perylene	21.184	276	109233	48.43	ng/ml	78

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032002.D
 Acq On : 03 Jun 2020 08:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 10:45:53 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

AMS 6/4/20

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032003.D
 Acq On : 03 Jun 2020 09:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 10:46:25 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	235388	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	126720	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	199169	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	175912	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	167829	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	146038	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.119	82	77	0.10	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.874	172	92	0.05	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.831	244	168	0.10	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0		N.D.	
4) Naphthalene	7.830	128	106		N.D.	
5) 2-Methylnaphthalene	0.000		0		N.D.	
6) 1-Methylnaphthalene	0.000		0		N.D.	
7) 1,1'-Biphenyl	8.979	154	61		N.D.	
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.	
11) Acenaphthylene	0.000		0		N.D.	
12) Acenaphthene	0.000		0		N.D.	
13) Dibenzofuran	0.000		0		N.D.	
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.	
15) Fluorene	0.000		0		N.D.	
17) Dibenzothiopene	0.000		0		N.D.	
18) Phenanthrene	11.095	178	160		N.D.	
19) Anthracene	11.095	178	149		N.D.	
20) Carbazole	11.071	167	90		N.D.	
21) 1-Methylphenanthrene	0.000		0		N.D.	
22) Fluoranthene	0.000		0		N.D.	
24) Pyrene	0.000		0		N.D.	
26) Benz(a)anthracene	14.778	228	418		N.D.	
27) Chrysene	14.778	228	368		N.D.	
29) Benzo(b)fluoranthene	0.000		0		N.D.	
30) Benzo(k)fluoranthene	0.000		0		N.D.	
31) Benzo(b+k)fluoranthene	0.000		0		N.D.	
32) Benzo(e)pyrene	18.258	252	502		N.D.	

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032003.D
 Acq On : 03 Jun 2020 09:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0F03037-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 10:46:25 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

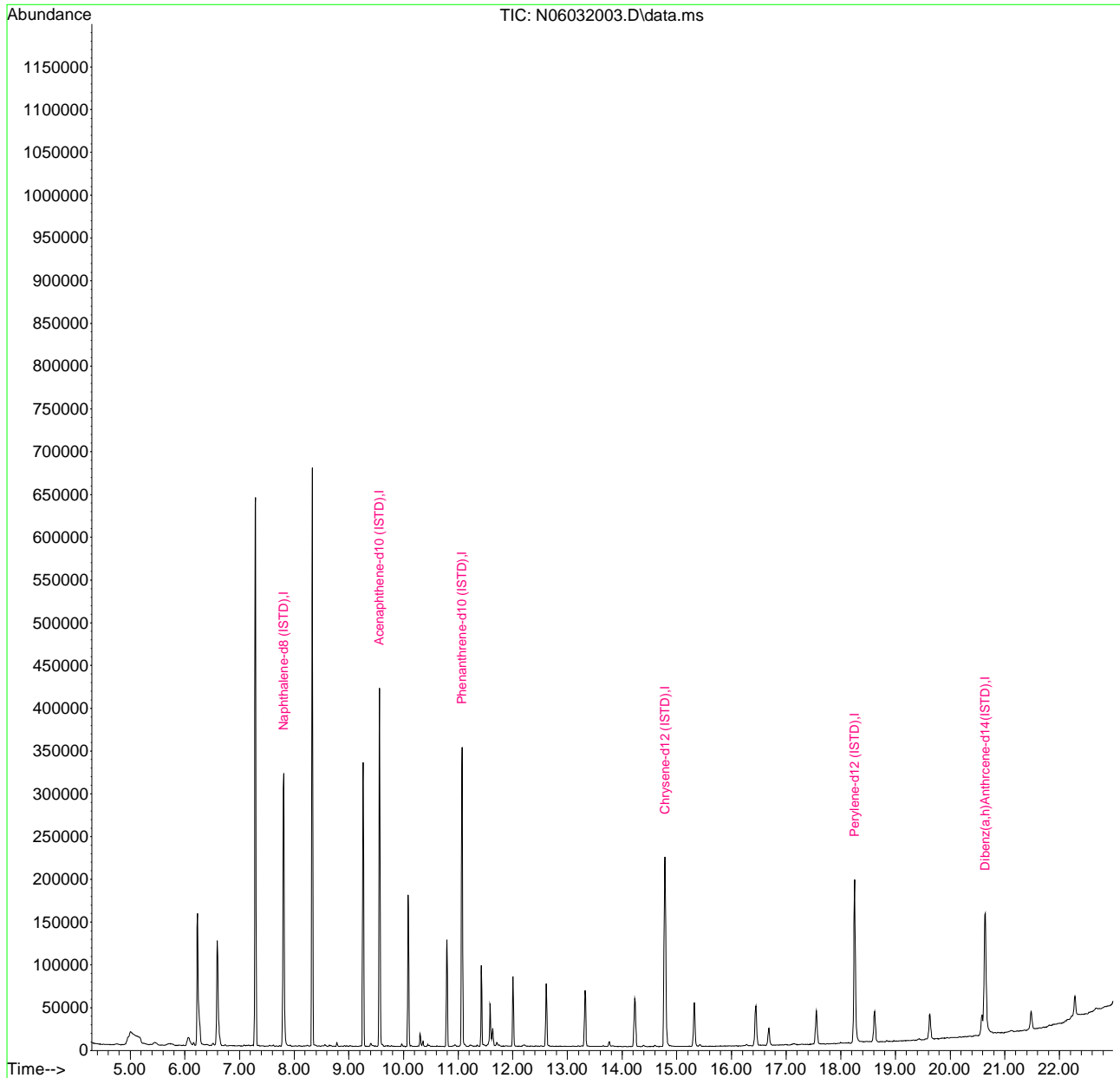
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	0.000		0	N.D.		
34) Perylene	18.258	252	556	N.D.		
36) Indeno(1,2,3-cd)Pyrene	0.000		0	N.D.		
37) Dibenz(a,h)anthracene	0.000		0	N.D.		
38) Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
Data File : N06032003.D
Acq On : 03 Jun 2020 09:14 am
Operator : JK/ AMS/ DTH
Sample : 0F03037-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 04 10:46:25 2020
Quant Method : U:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 6/4/20

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

M05

Quant Time: Jun 04 10:48:38 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	225001	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	121231	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	192002	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	182318	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	173167	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.636	292	150862	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.114	82	591	0.84	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	1833	0.98	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	1914	1.09	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.825	128	17638	7.20	ng/ml	97
5) 2-Methylnaphthalene	8.513	142	963	0.59	ng/ml	89
6) 1-Methylnaphthalene	8.612	142	763	0.47	ng/ml	96
7) 1,1'-Biphenyl	8.973	154	342	N.D.		
8) 2,6-Dimethylnaphthalene	9.142	156	2702	1.90	ng/ml	91
11) Acenaphthylene	9.416	152	9806	4.34	ng/ml	97
12) Acenaphthene	9.591	153	23916	14.42	ng/ml	98
13) Dibenzofuran	9.772	168	577	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.976	170	2165	1.67	ng/ml	87
15) Fluorene	10.115	166	9790	6.14	ng/ml	97
17) Dibenzothiopene	10.966	184	11780	6.07	ng/ml	95
18) Phenanthrene	11.095	178	89109	40.32	ng/ml	99
19) Anthracene	11.147	178	10608	5.86	ng/ml	97
20) Carbazole	11.316	167	691	0.44	ng/ml	56
21) 1-Methylphenanthrene	11.718	192	13018	8.73	ng/ml	95
22) Fluoranthene	12.348	202	106223	48.77	ng/ml	96
24) Pyrene	12.633	202	137447	58.12	ng/ml	99
26) Benz(a)anthracene	14.761	228	33688	17.82	ng/ml	74
27) Chrysene	14.843	228	43220	22.23	ng/ml	99
29) Benzo(b)fluoranthene	17.349	252	35159	19.64	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	13413m	7.52	ng/ml	M05
31) Benzo(b+k)fluoranthene	17.349	252	52387	27.83	ng/ml	90
32) Benzo(e)pyrene	17.996	252	24721	13.21	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 10:48:38 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

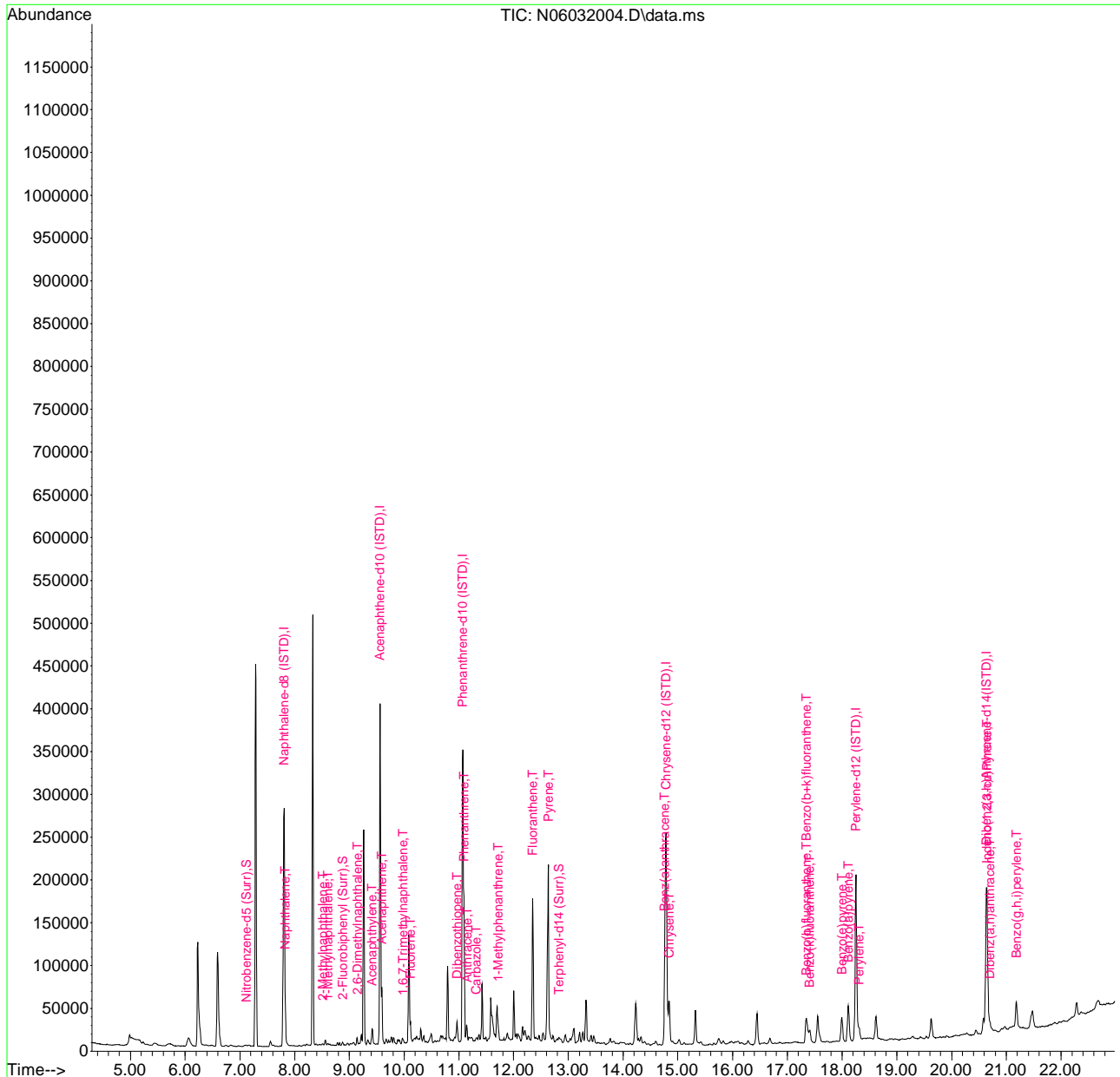
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	36912	26.21	ng/ml	96
34) Perylene	18.311	252	10383	5.39	ng/ml	97
36) Indeno(1,2,3-cd)Pyrene	20.648	276	26745	16.32	ng/ml	81
37) Dibenz(a,h)anthracene	20.700	278	3020	1.83	ng/ml	88
38) Benzo(g,h,i)perylene	21.184	276	33301	18.94	ng/ml	78

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

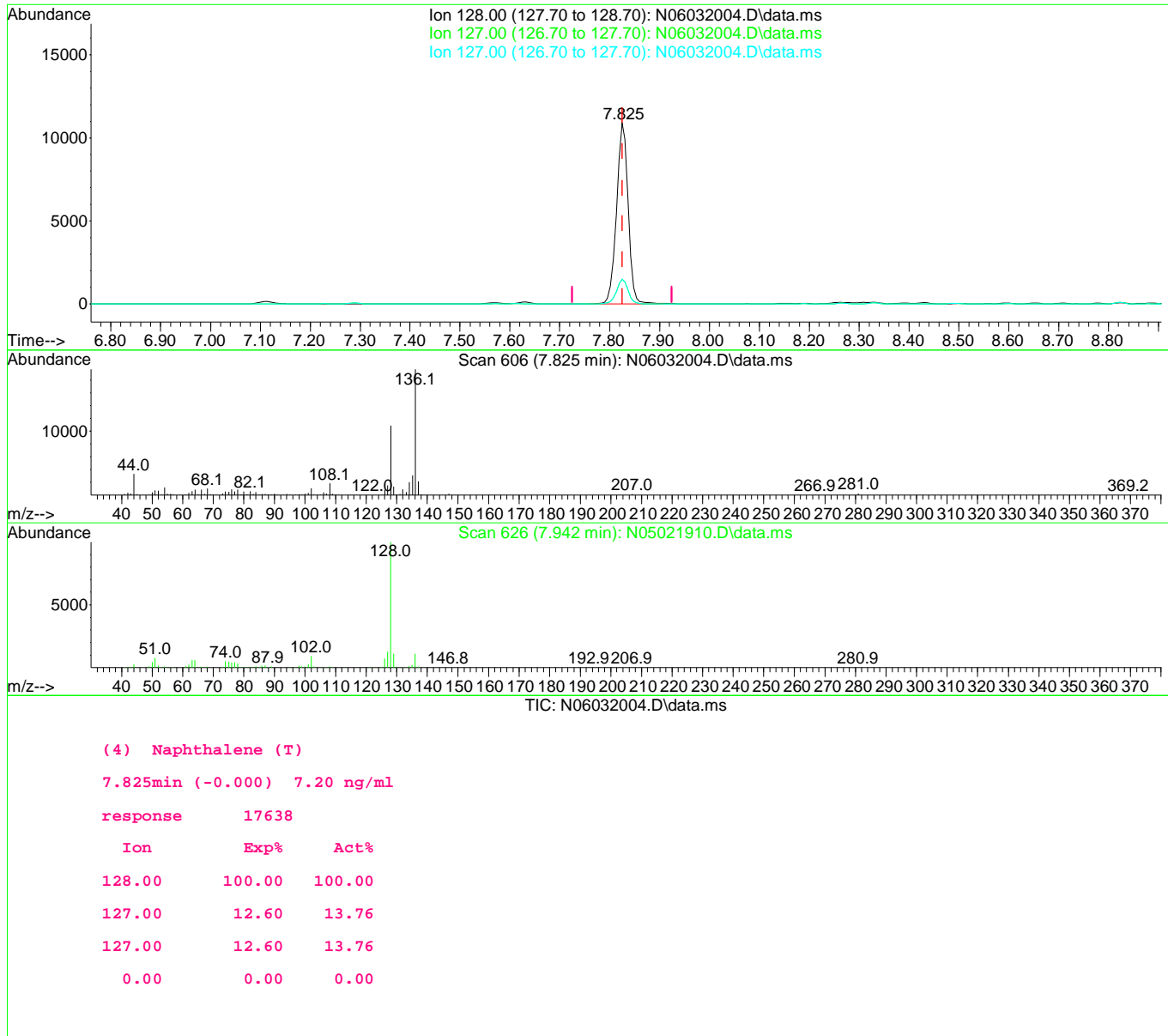
Quant Time: Jun 04 10:48:38 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

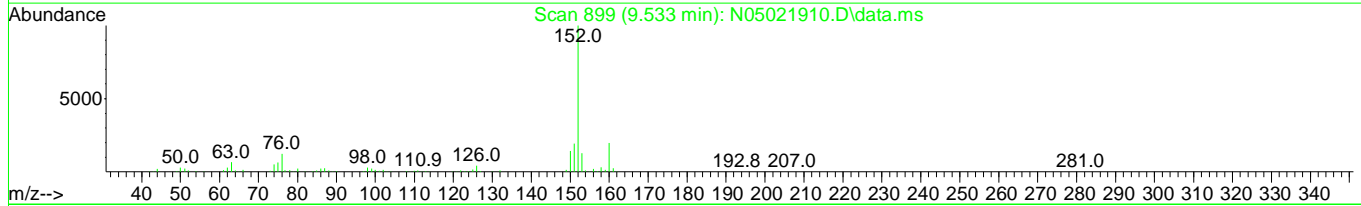
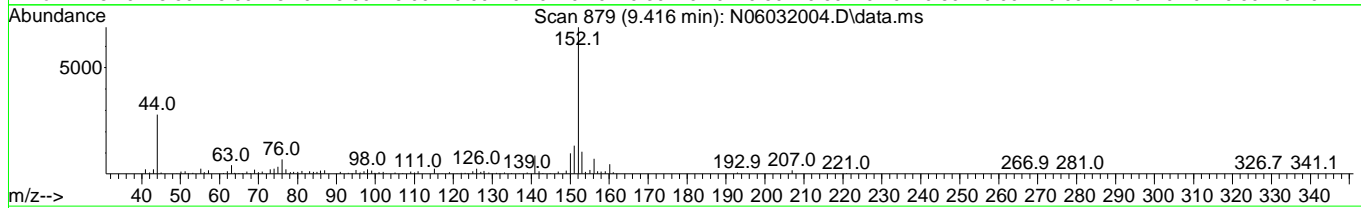
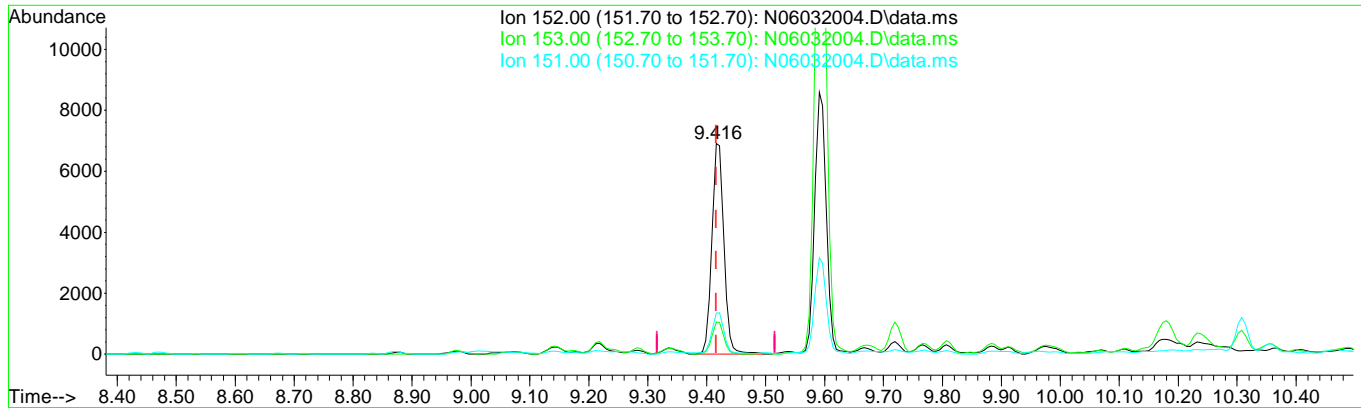
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032004.D\data.ms

(11) Acenaphthylene (T)

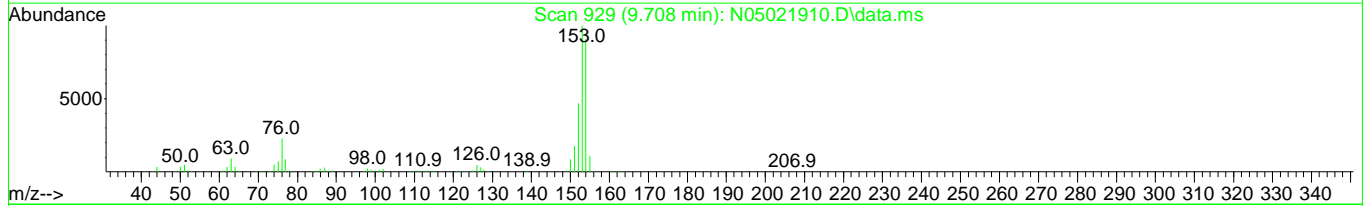
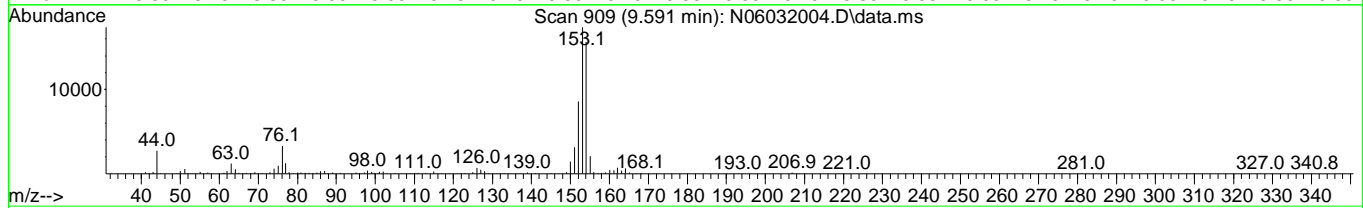
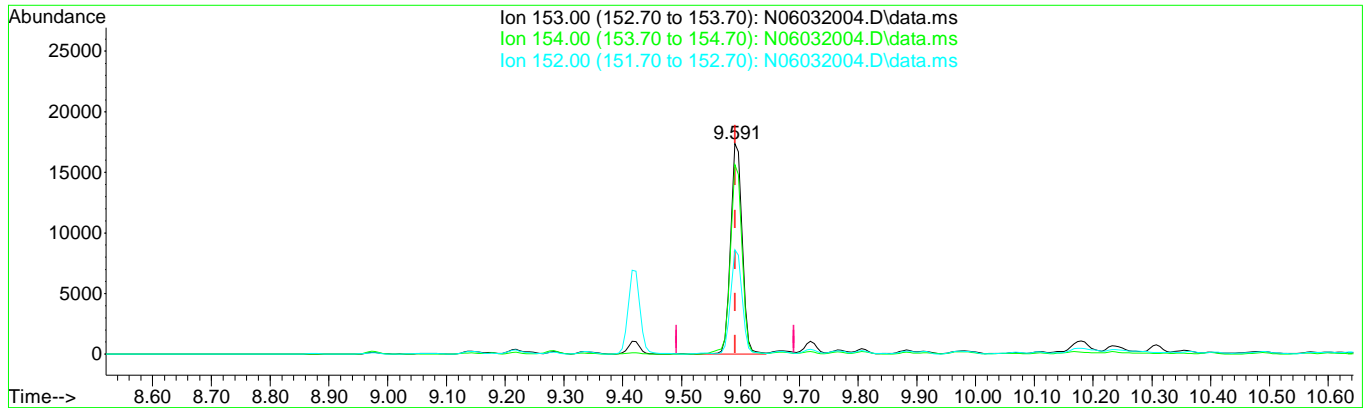
9.416min (-0.000) 4.34 ng/ml

response	9806
Ion	Exp% Act%
152.00	100.00 100.00
153.00	12.70 15.20
151.00	19.30 19.48
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032004.D\data.ms

(12) Acenaphthene (T)

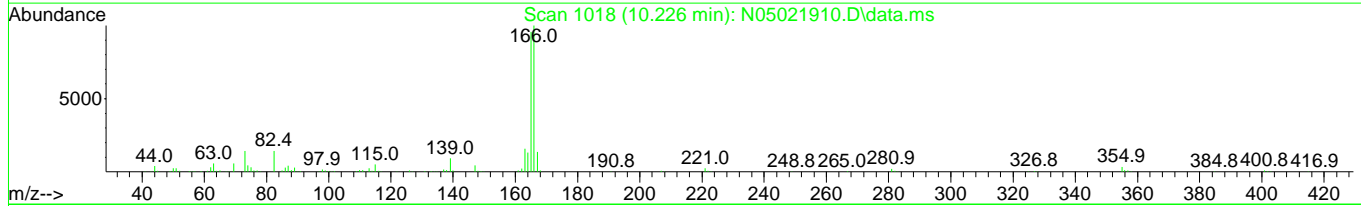
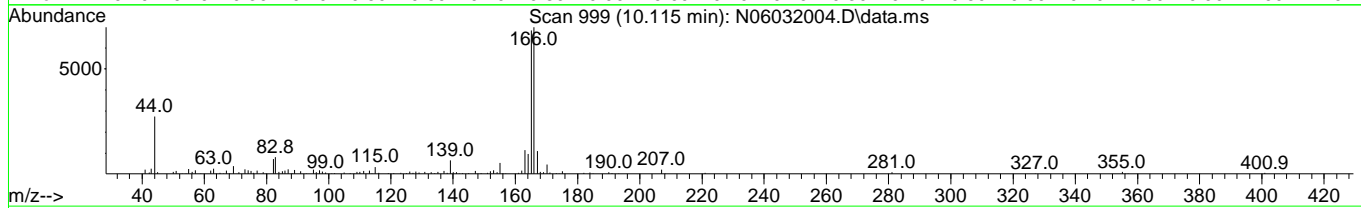
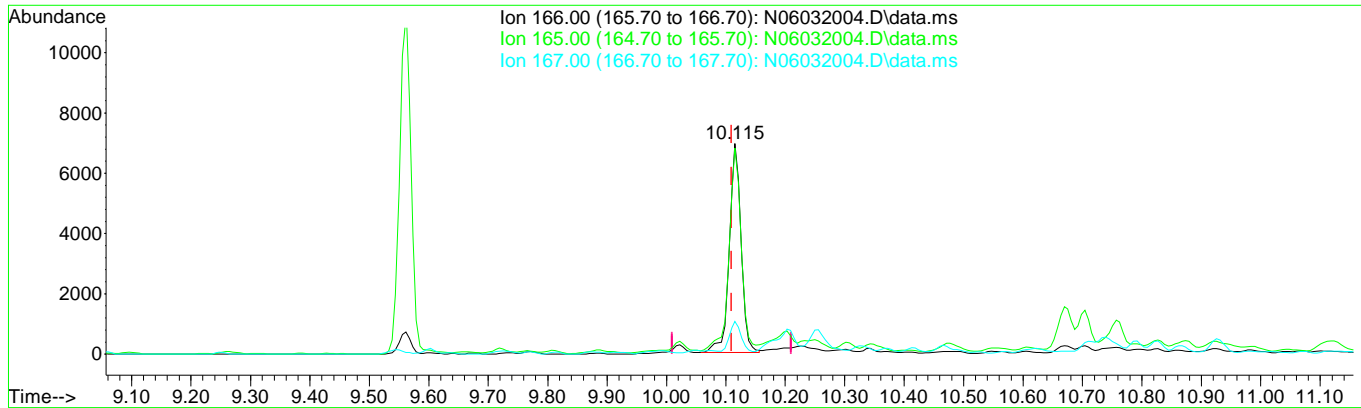
9.591min (-0.000) 14.42 ng/ml

response	23916	
Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.03
152.00	46.80	49.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032004.D\data.ms

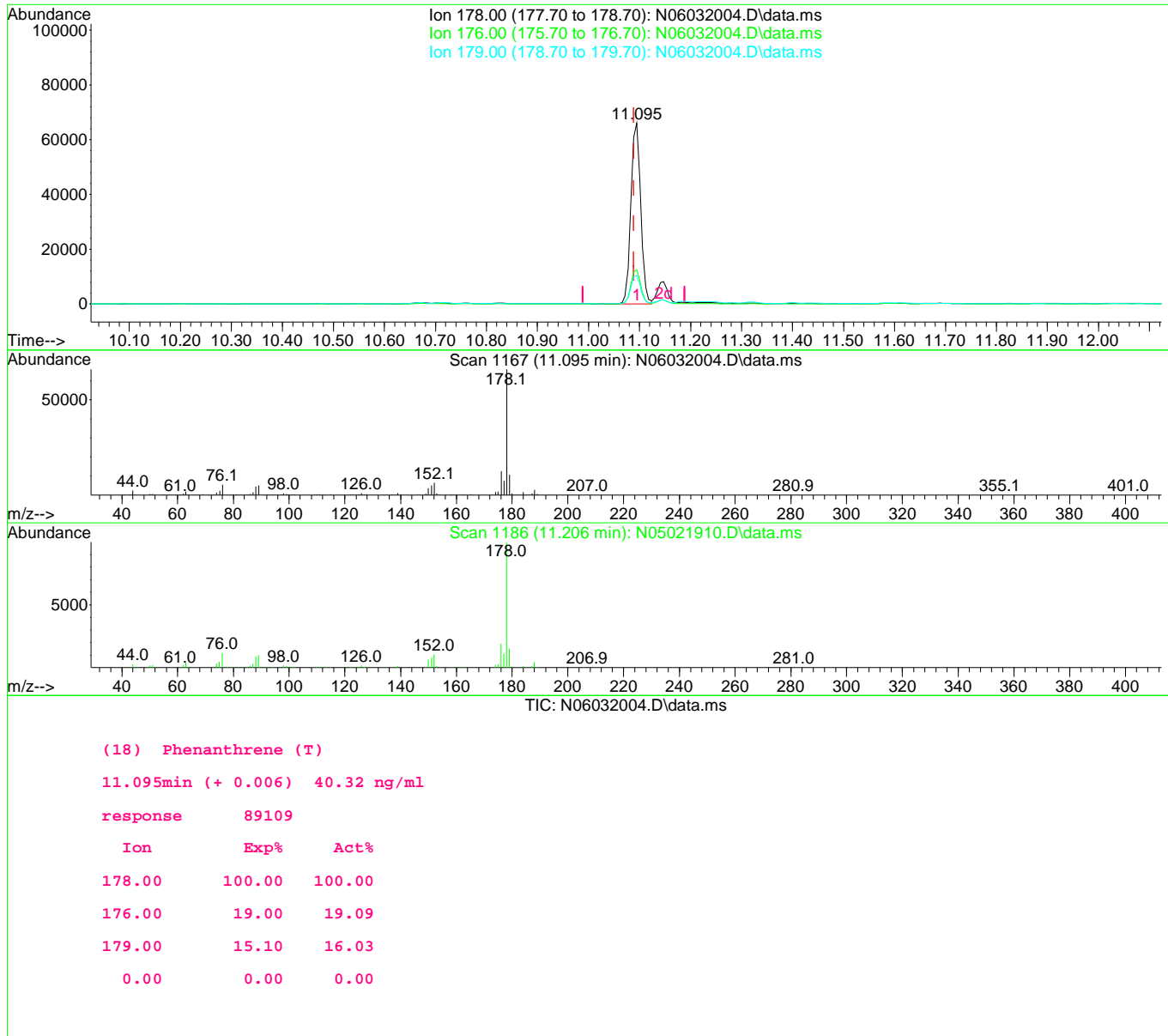
(15) Fluorene (T)
 10.115min (+ 0.006) 6.14 ng/ml
 response 9790

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	97.81
167.00	13.60	15.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

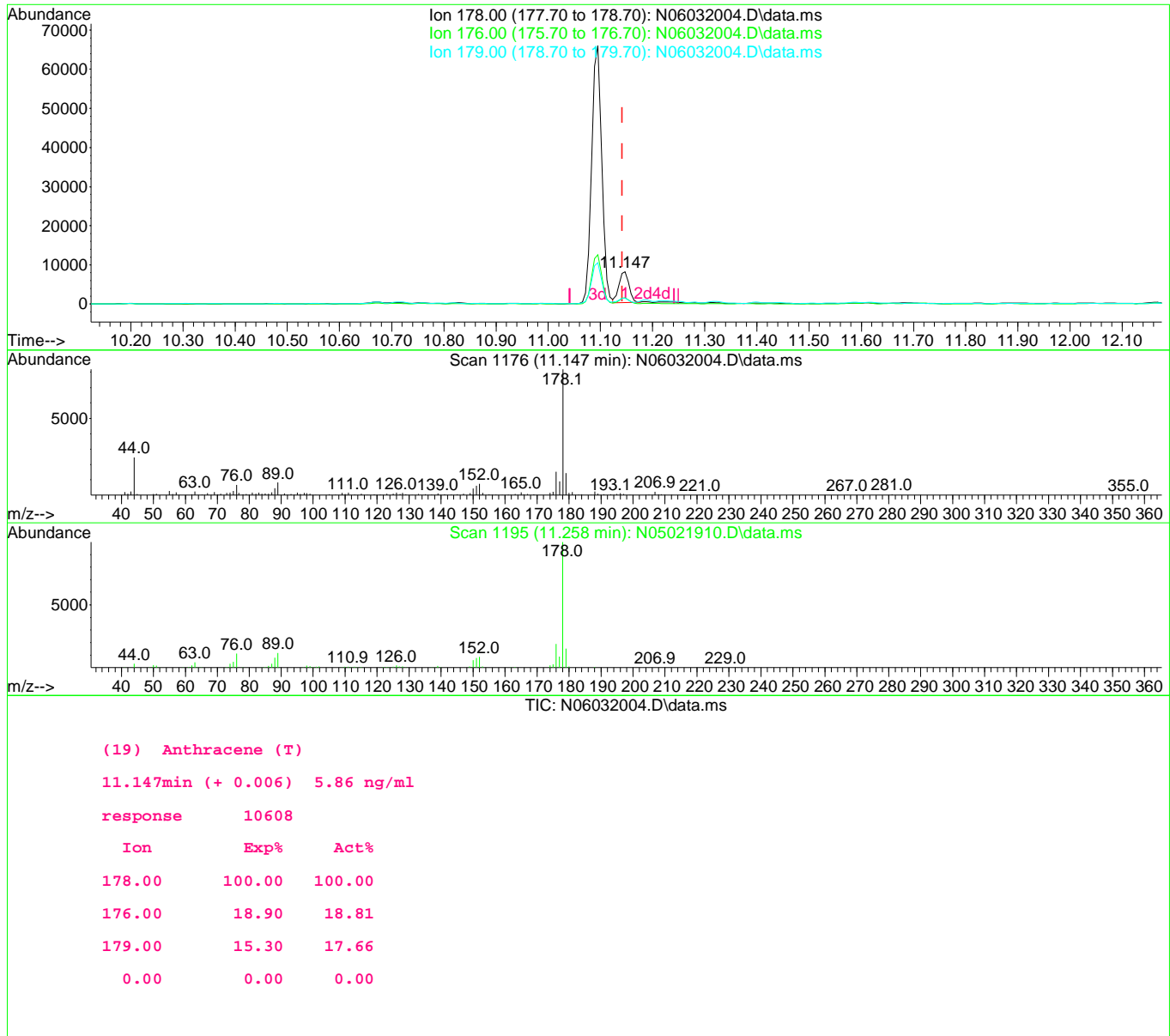
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

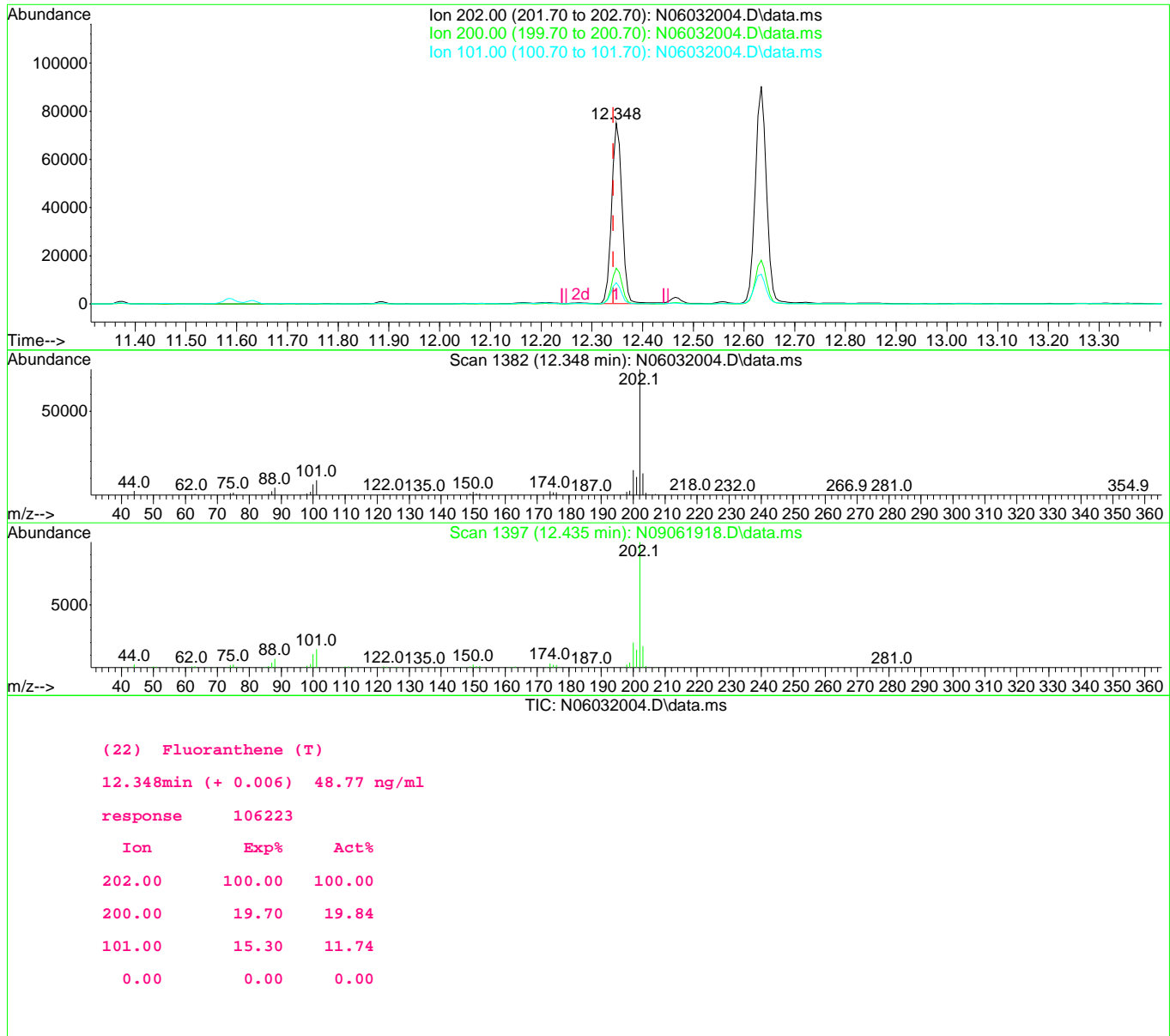
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

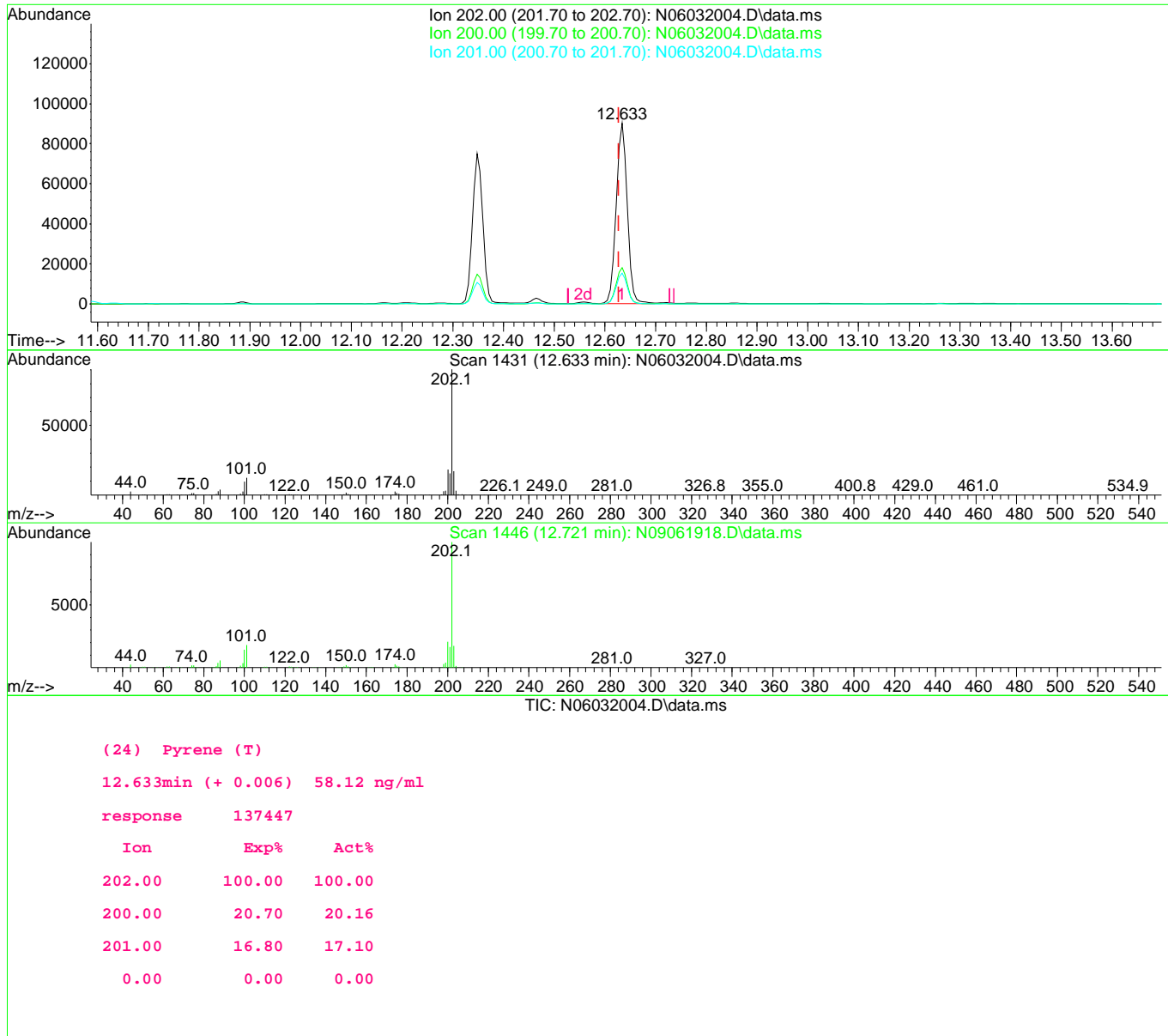
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 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

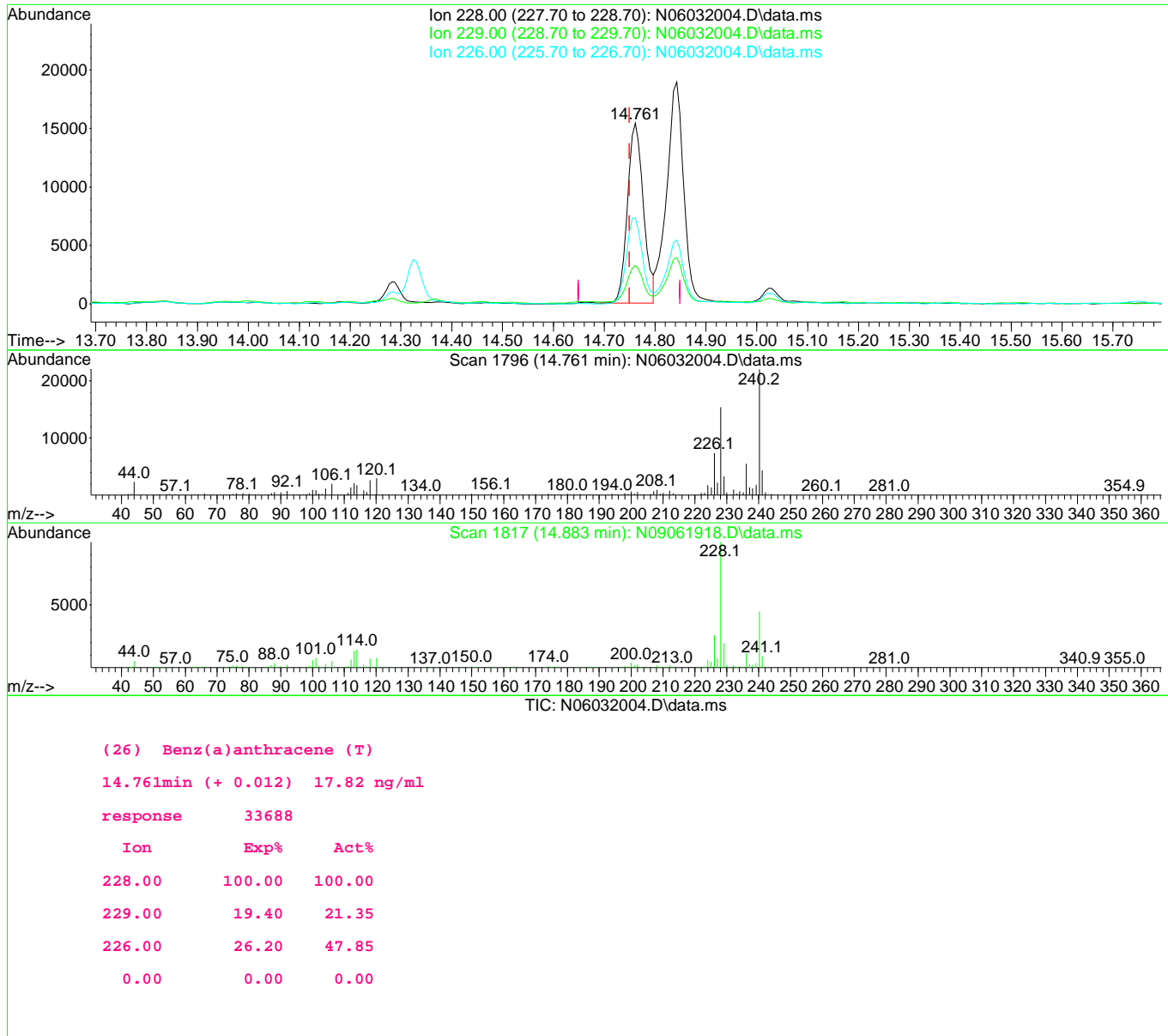
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

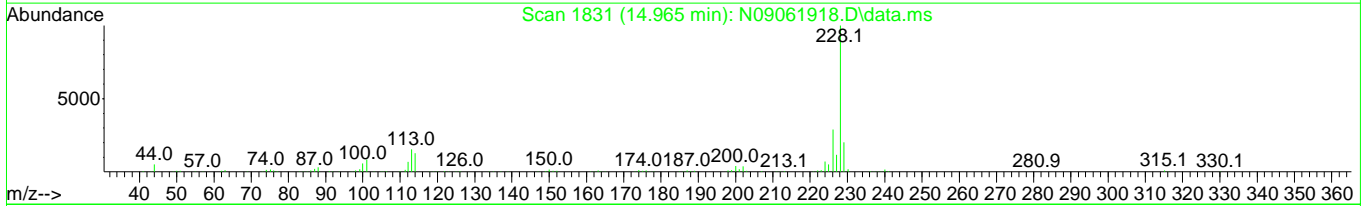
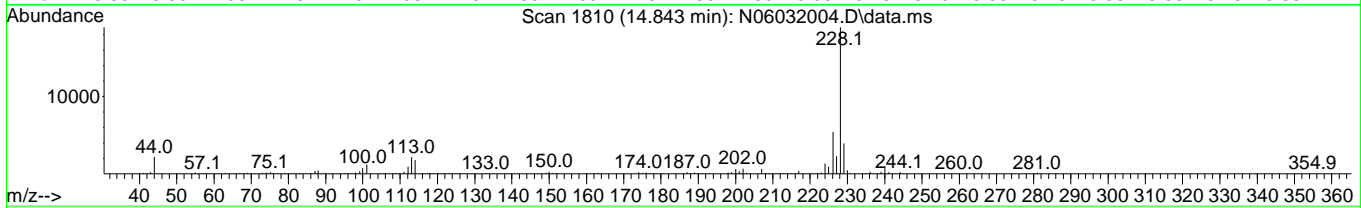
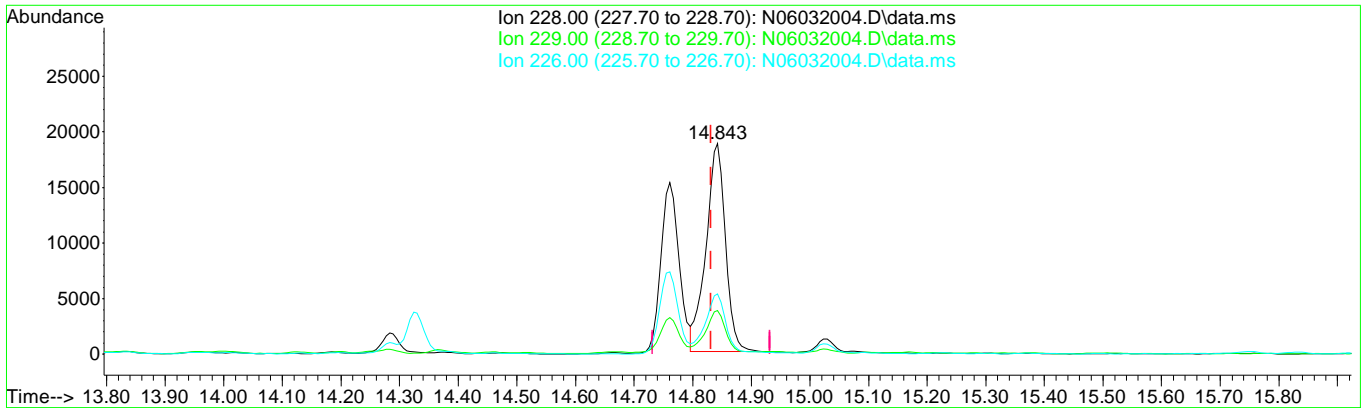
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032004.D\data.ms

(27) Chrysene (T)

14.843min (+ 0.012) 22.23 ng/ml

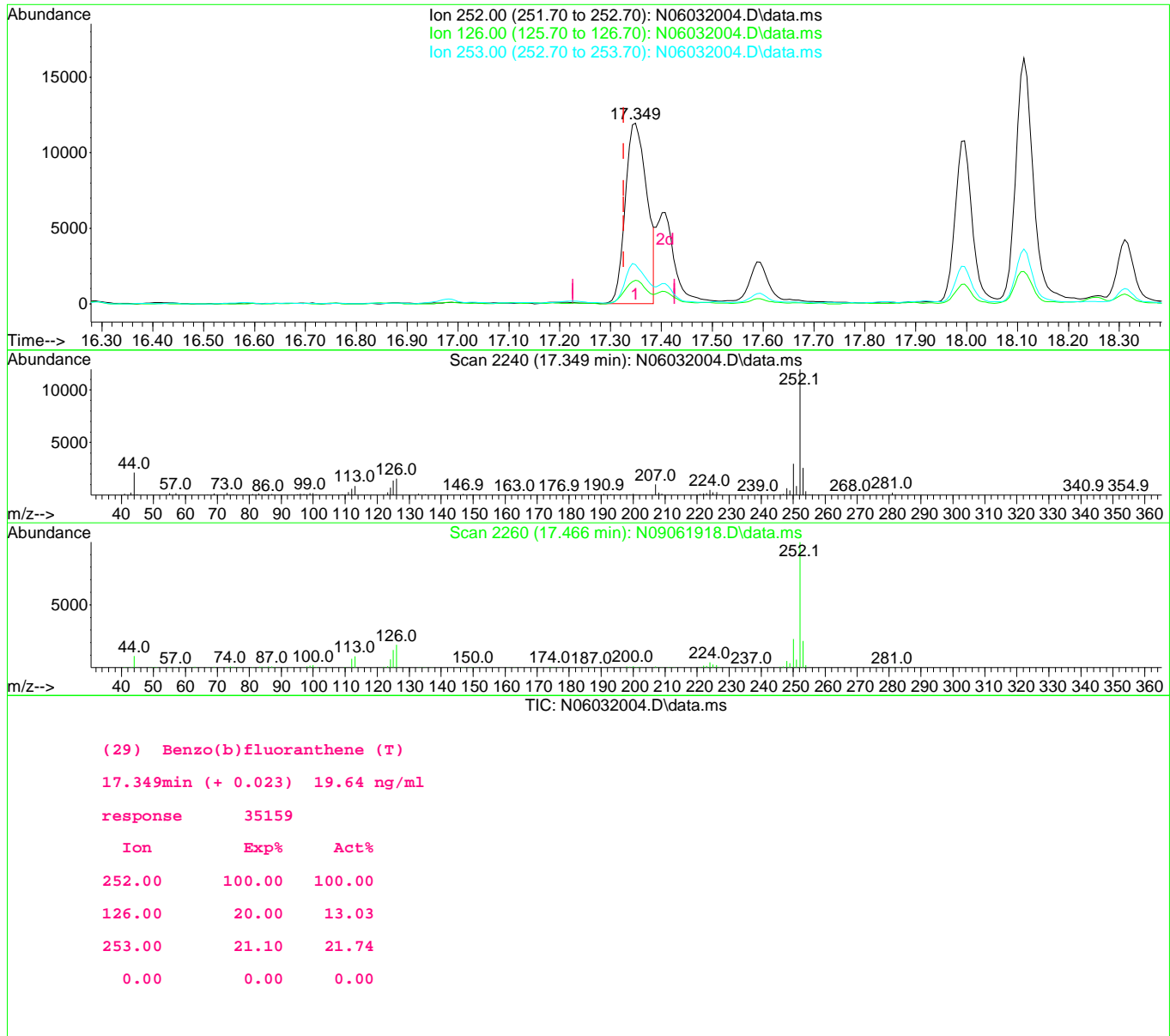
response 43220

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.74
226.00	28.60	28.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

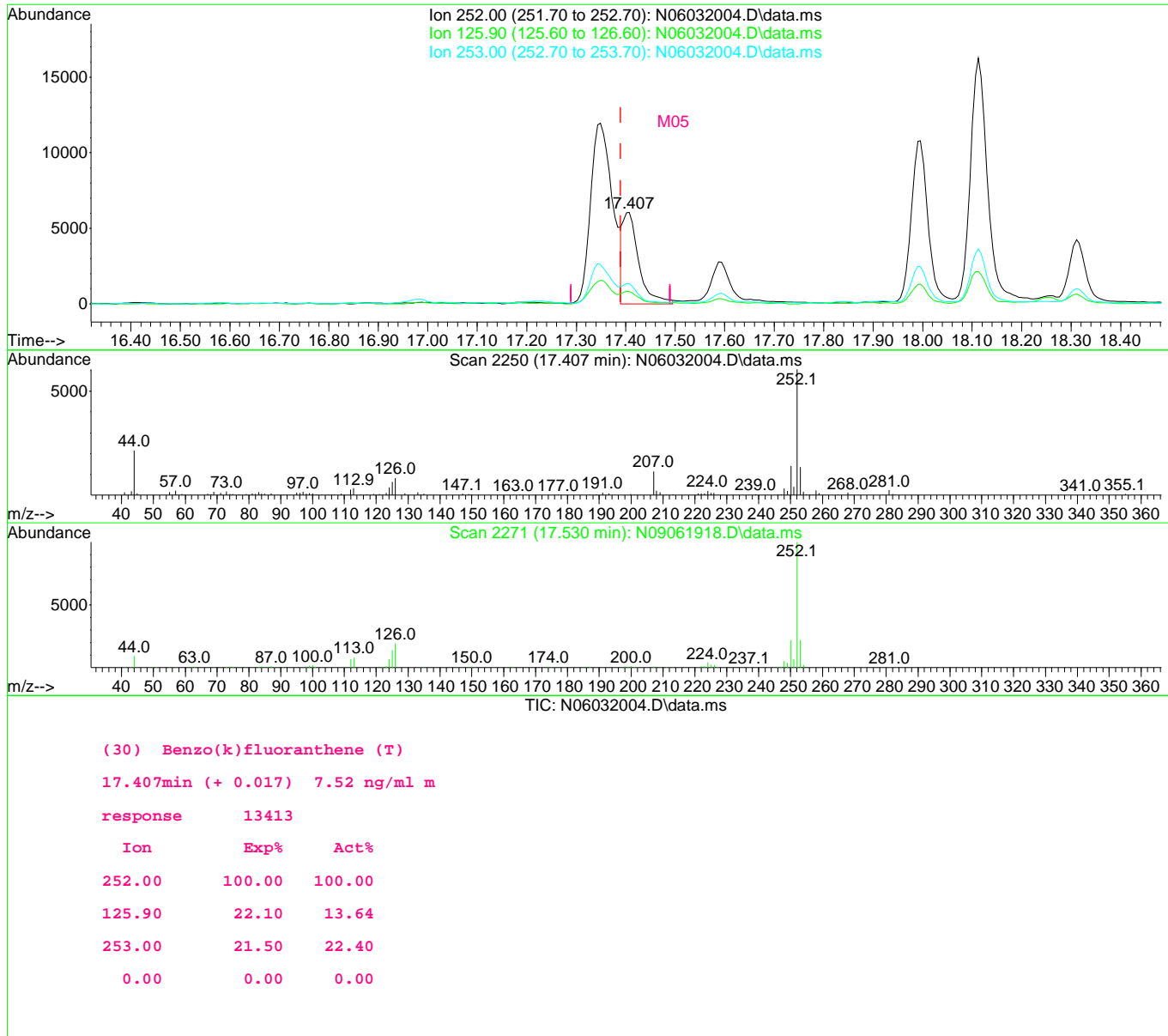
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

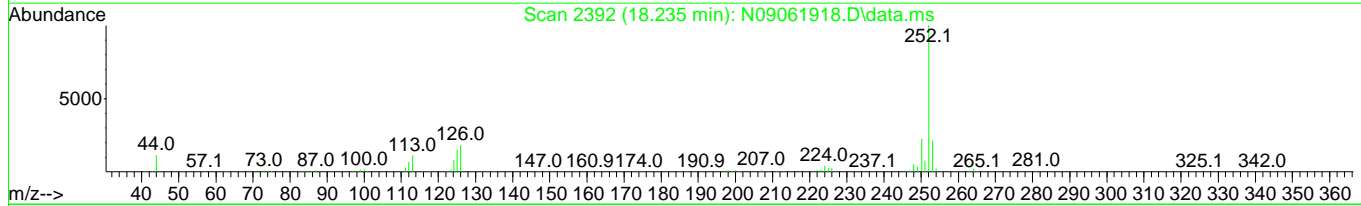
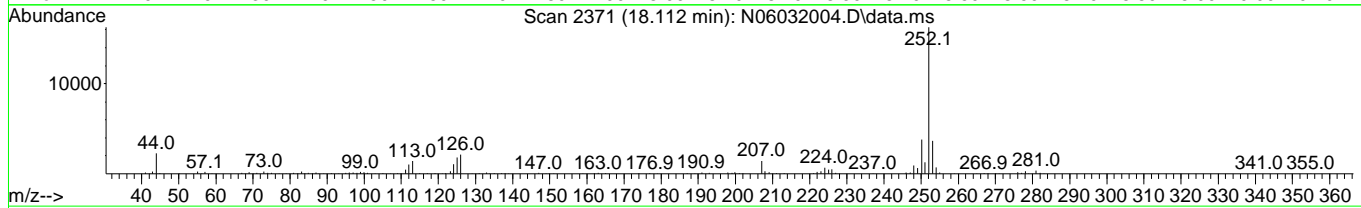
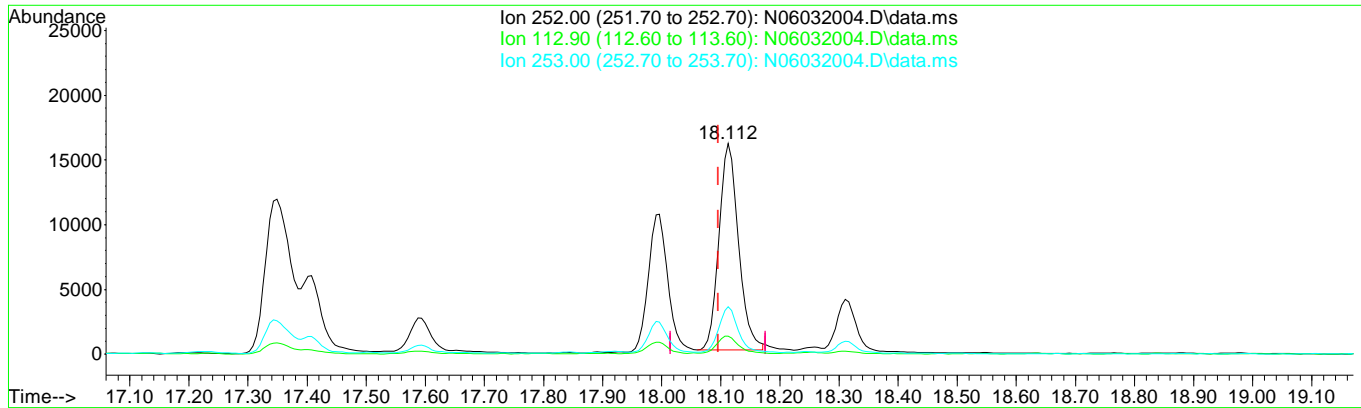
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032004.D\data.ms

(33) Benzo(a)pyrene (T)

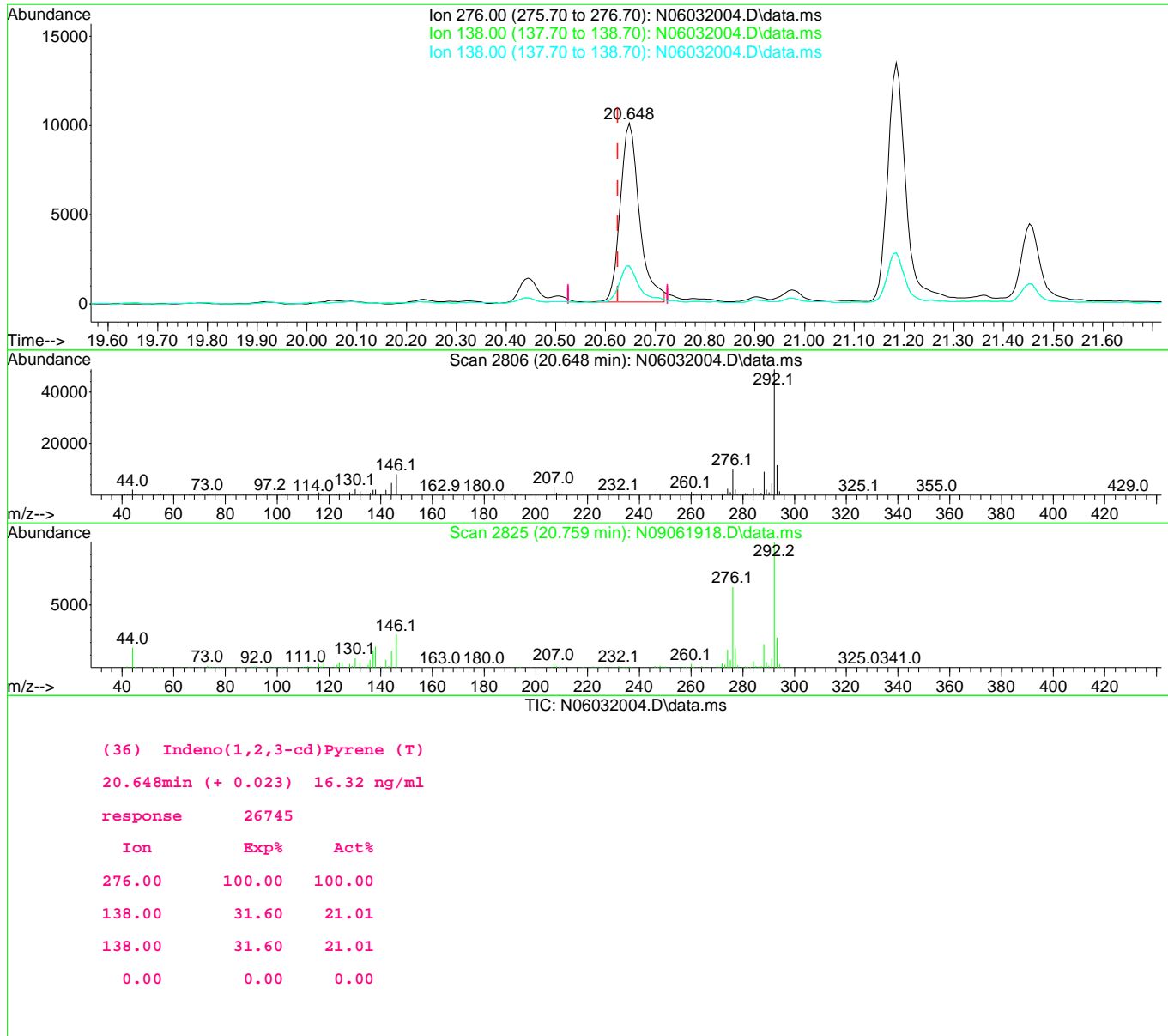
18.112min (+ 0.017) 26.21 ng/ml

response	36912
Ion	Exp% Act%
252.00	100.00 100.00
112.90	12.70 8.72
253.00	21.90 22.38
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

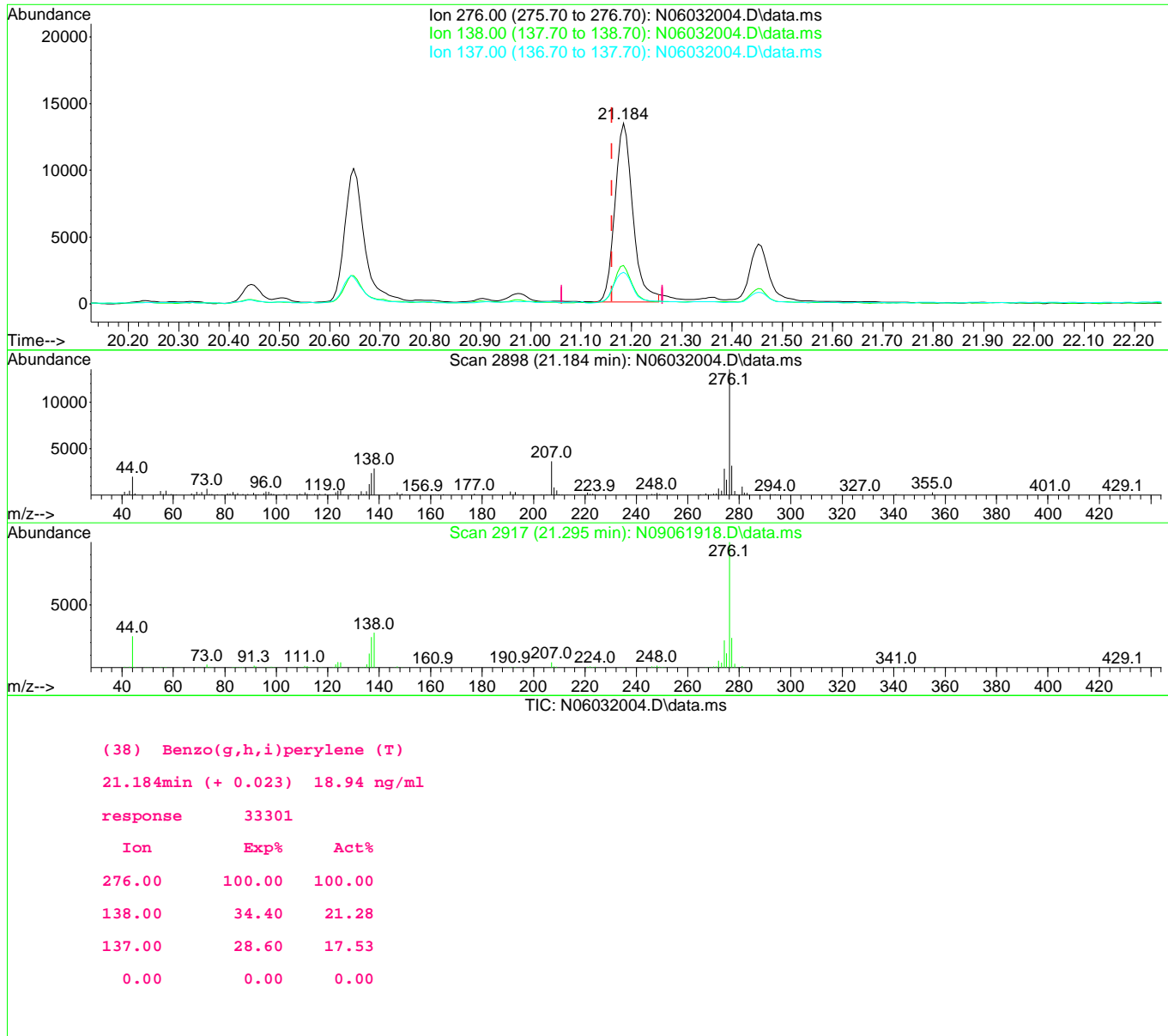
Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032004.D
 Acq On : 03 Jun 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-06@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 10:47:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

AMS 6/4/20

M05

Quant Time: Jun 04 10:52:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	204923	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	124735	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	192370	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	132668	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	127297	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	111531	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.125	82	525	0.82	ng/ml	0.02
10) 2-Fluorobiphenyl (Surr)	8.874	172	1751	0.91	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	1365	1.06	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.831	128	14658	6.57	ng/ml	97
5) 2-Methylnaphthalene	8.513	142	2301	1.54	ng/ml	97
6) 1-Methylnaphthalene	8.612	142	3700	2.49	ng/ml	98
7) 1,1'-Biphenyl	8.973	154	1213	0.64	ng/ml	93
8) 2,6-Dimethylnaphthalene	9.142	156	9780	7.55	ng/ml	96
11) Acenaphthylene	9.416	152	14830	6.38	ng/ml	96
12) Acenaphthene	9.591	153	52422	30.72	ng/ml	99
13) Dibenzofuran	9.766	168	5186	2.51	ng/ml	98
14) 1,6,7-Trimethylnaphtha...	9.976	170	4618	3.45	ng/ml	91
15) Fluorene	10.116	166	26354	16.06	ng/ml	100
17) Dibenzothiopene	10.967	184	28771	14.80	ng/ml	94
18) Phenanthrene	11.095	178	239302	108.07	ng/ml	99
19) Anthracene	11.147	178	35730	19.70	ng/ml	99
20) Carbazole	11.316	167	983	0.63	ng/ml	60
21) 1-Methylphenanthrene	11.718	192	9229	6.18	ng/ml	97
22) Fluoranthene	12.348	202	152536	69.90	ng/ml	96
24) Pyrene	12.633	202	187874	109.18	ng/ml	99
26) Benz(a)anthracene	14.761	228	29388	21.36	ng/ml	67
27) Chrysene	14.837	228	34535	24.41	ng/ml	98
29) Benzo(b)fluoranthene	17.349	252	32647	24.81	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	11386m	8.68	ng/ml	M05
31) Benzo(b+k)fluoranthene	17.349	252	46141	33.34	ng/ml	89
32) Benzo(e)pyrene	17.996	252	21690	15.76	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:52:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

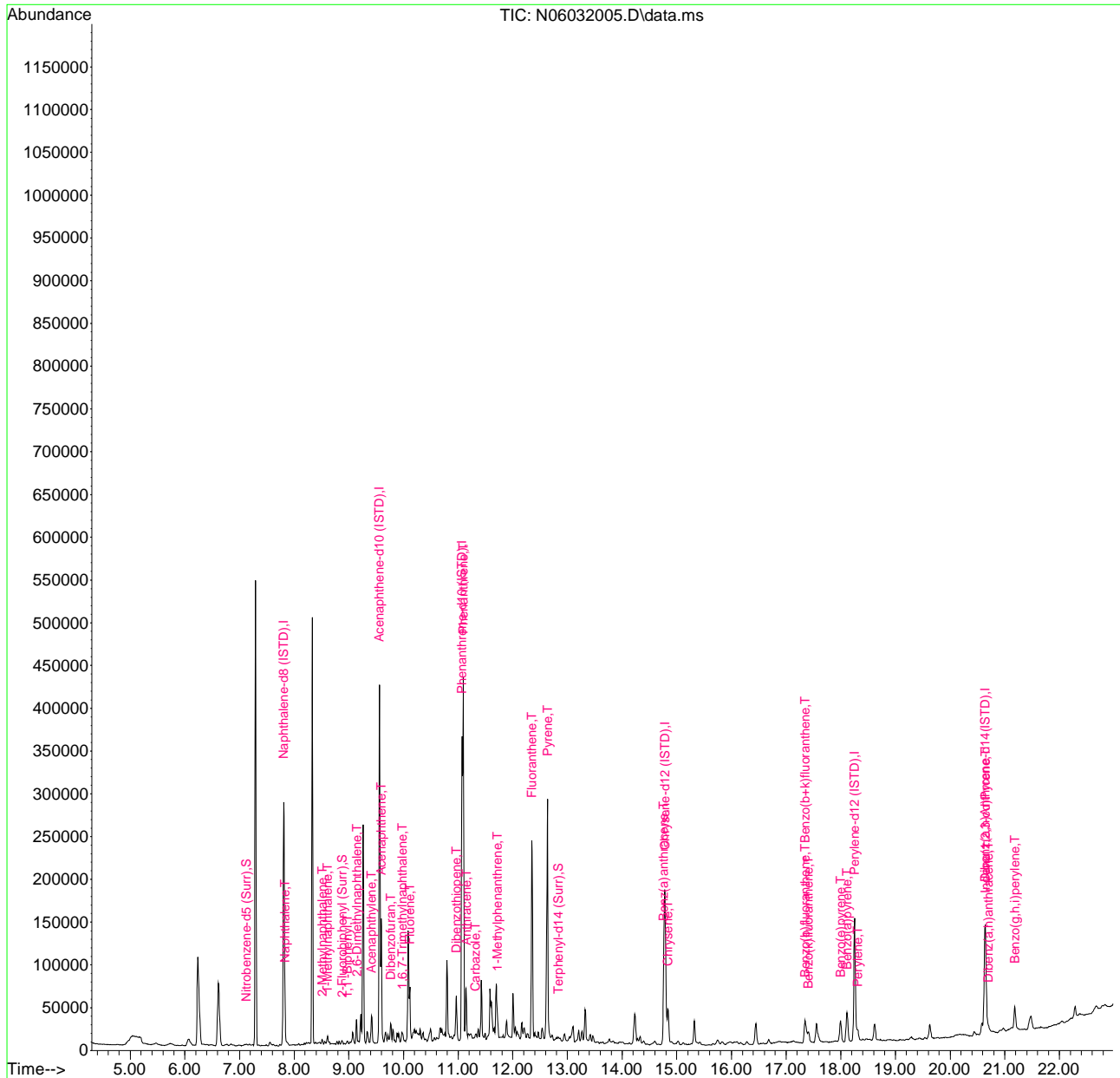
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	31991	30.78	ng/ml	96
34) Perylene	18.311	252	9434	6.66	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.648	276	23362	19.28	ng/ml	81
37) Dibenz(a,h)anthracene	20.700	278	2603	2.13	ng/ml	90
38) Benzo(g,h,i)perylene	21.184	276	28135	21.65	ng/ml	78

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

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

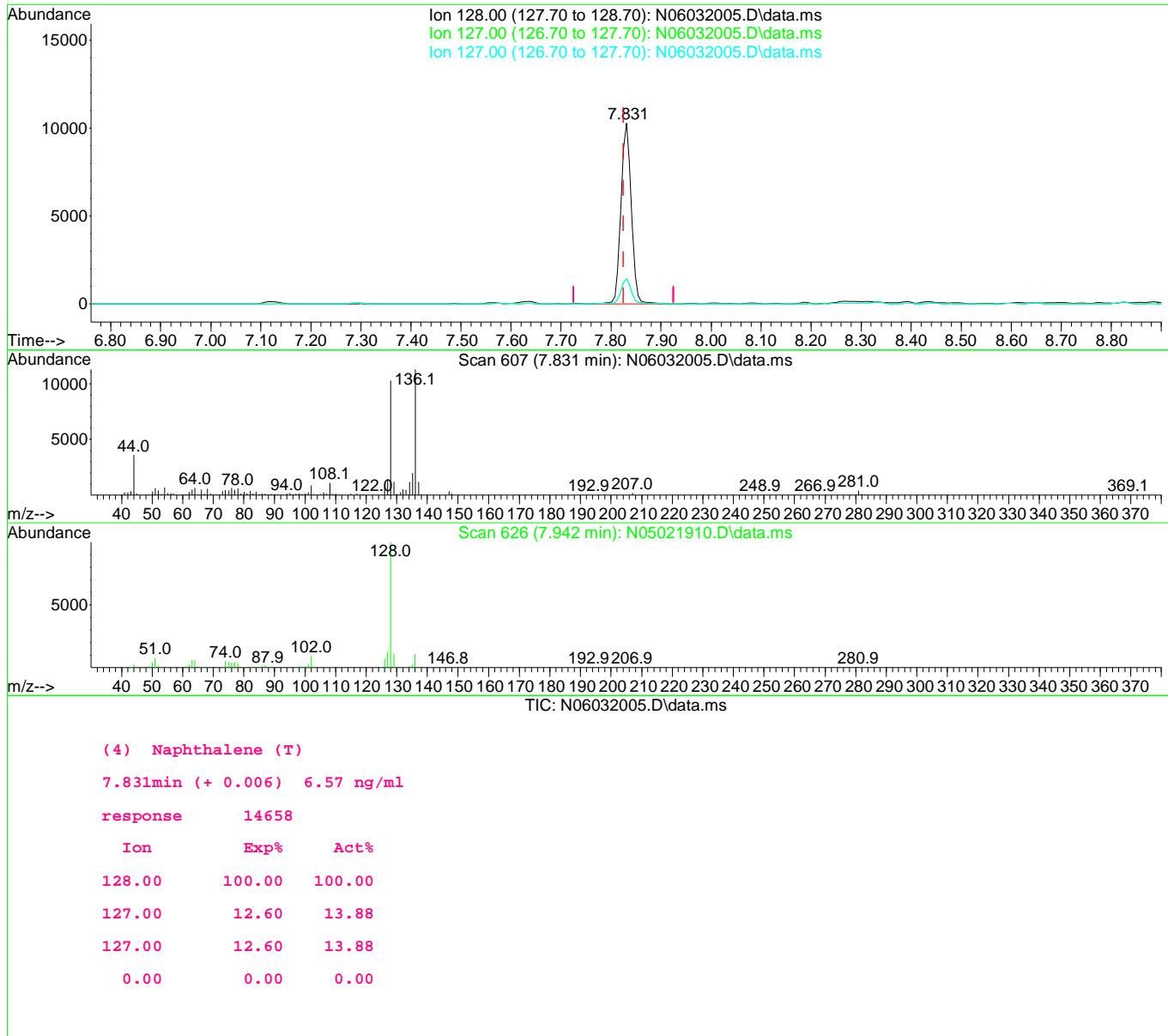
Quant Time: Jun 04 10:52:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

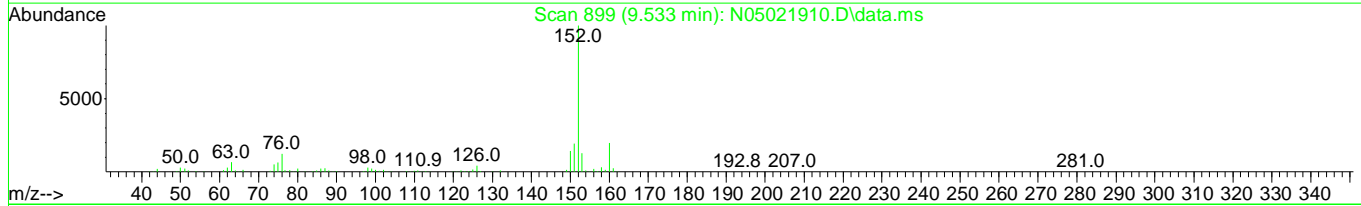
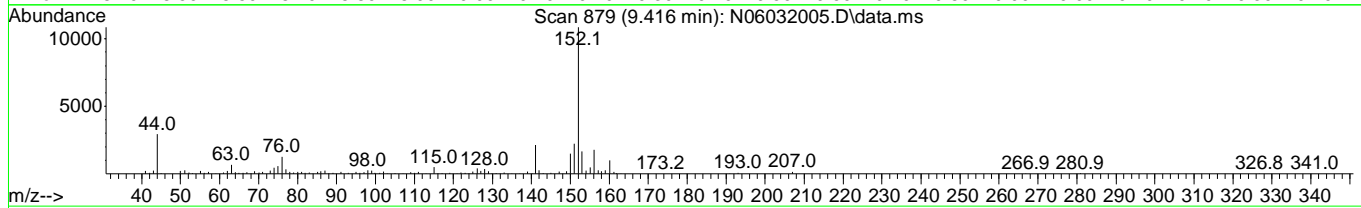
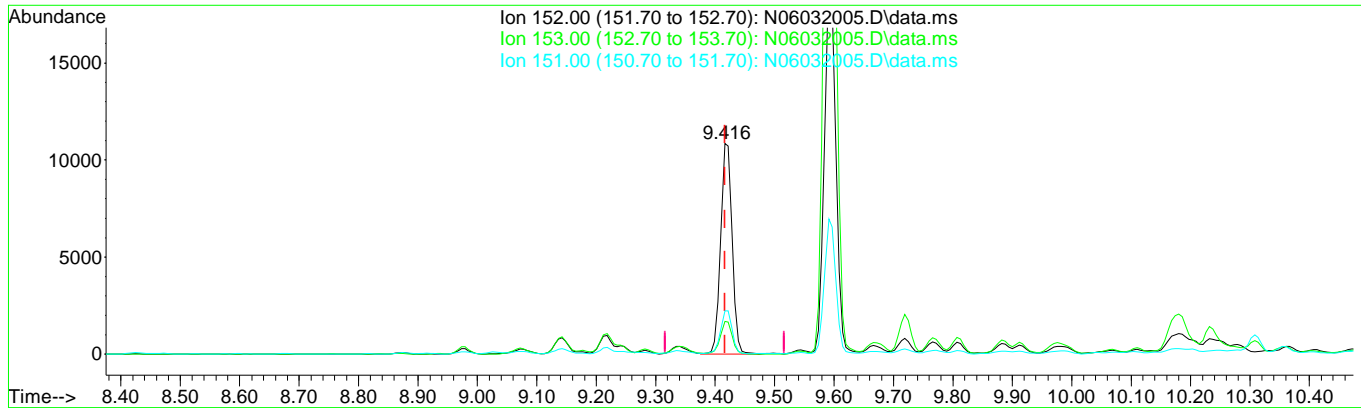
Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032005.D\data.ms

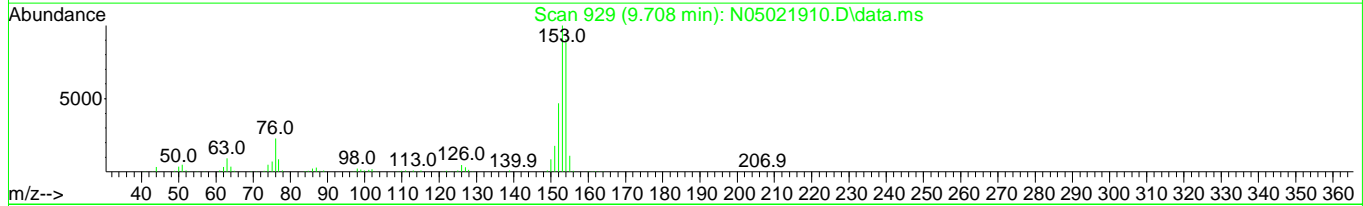
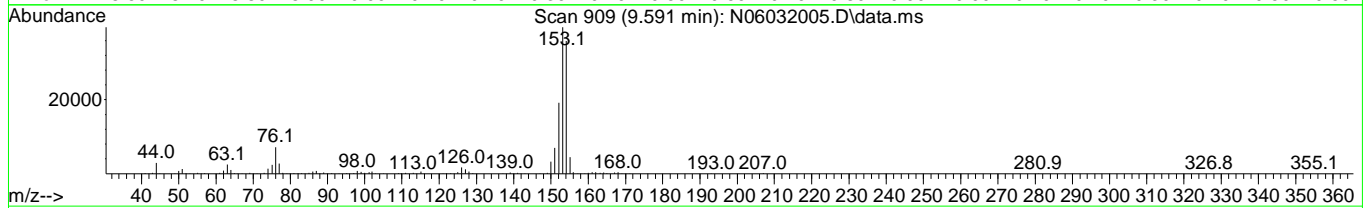
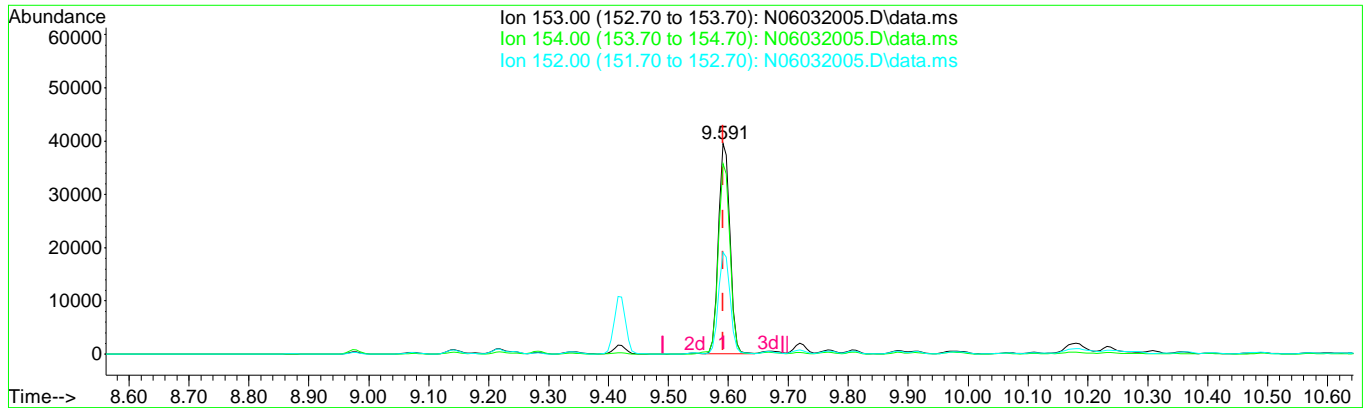
(11) Acenaphthylene (T)
 9.416min (-0.000) 6.38 ng/ml

response	14830
Ion	Exp% Act%
152.00	100.00 100.00
153.00	12.70 15.47
151.00	19.30 20.44
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032005.D\data.ms

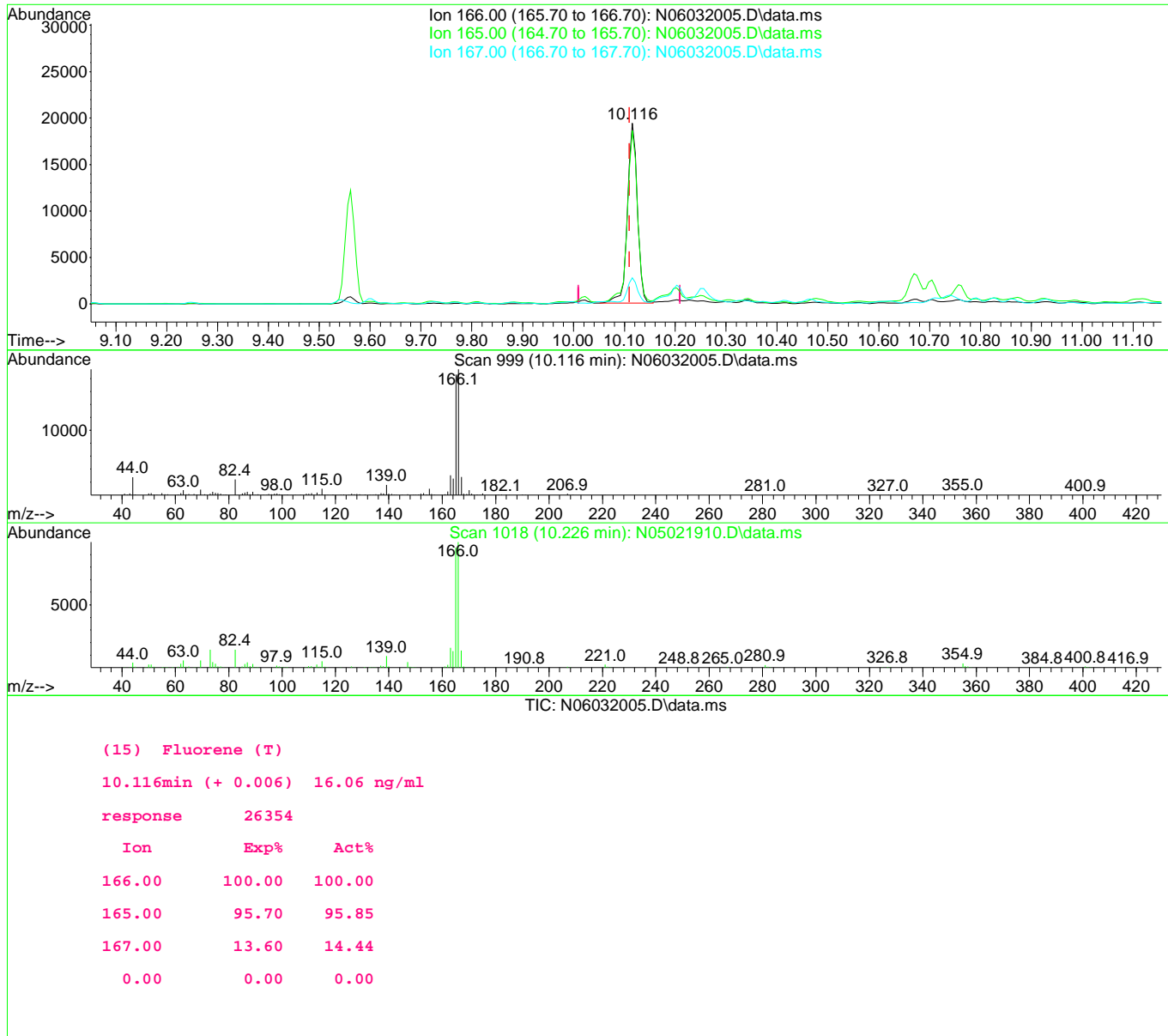
(12) Acenaphthene (T)
 9.591min (-0.000) 30.72 ng/ml

response	52422
Ion	Exp% Act%
153.00	100.00 100.00
154.00	90.70 90.46
152.00	46.80 48.44
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

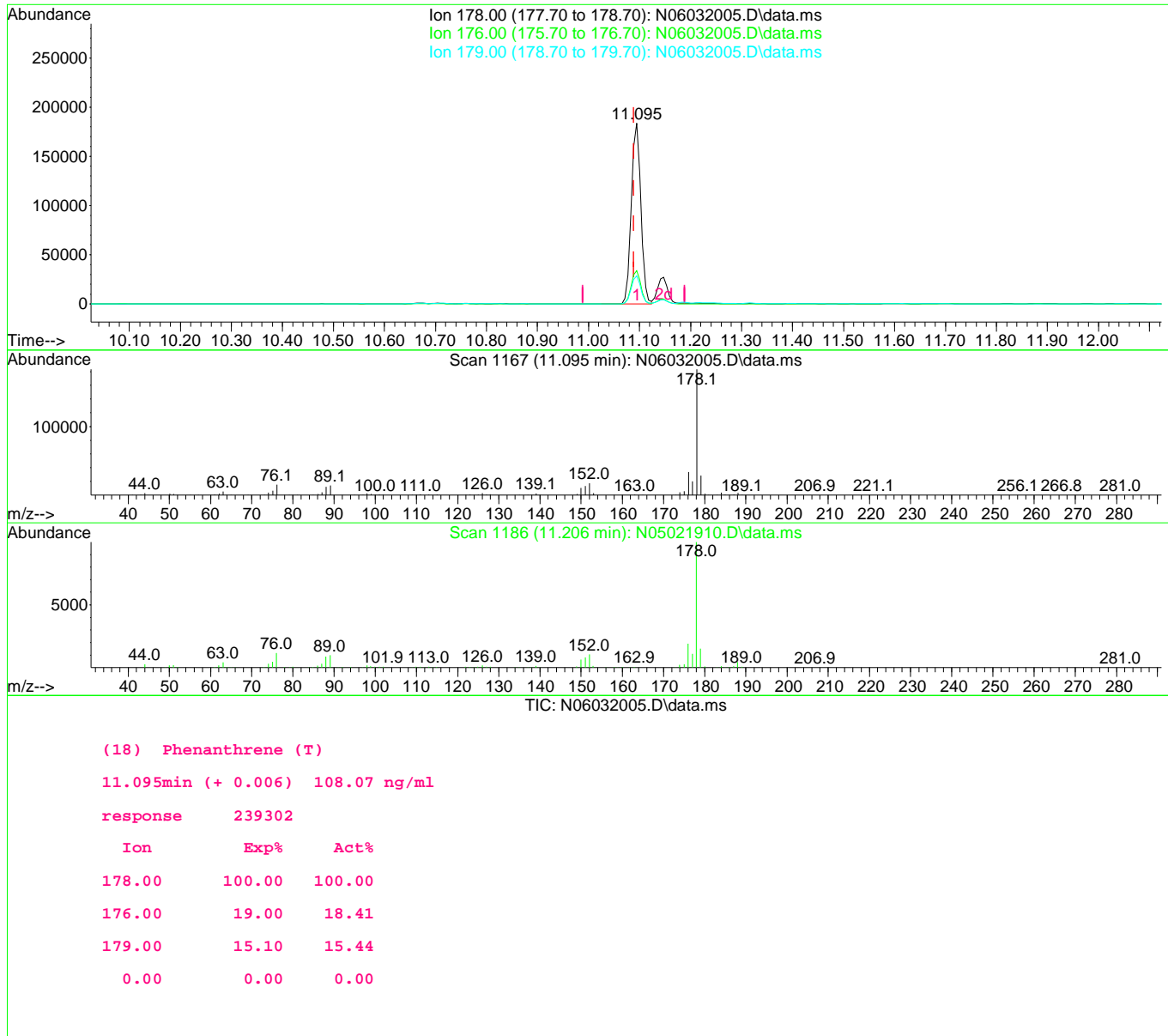
Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

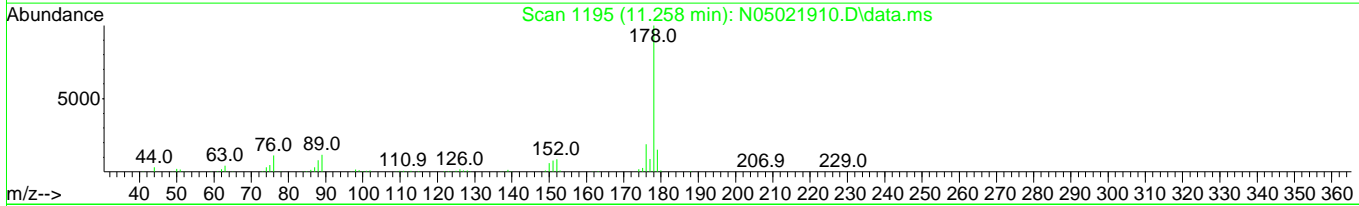
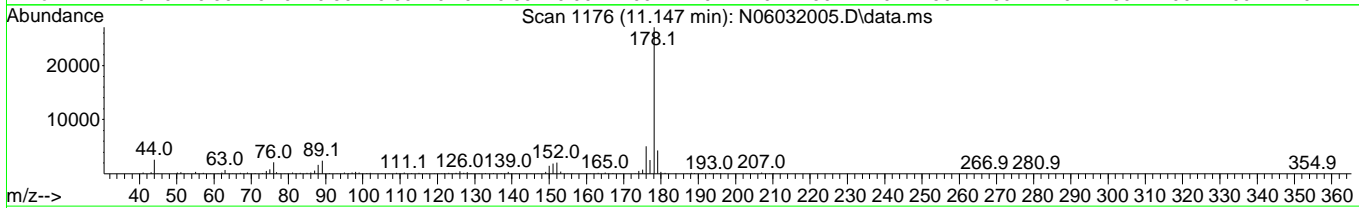
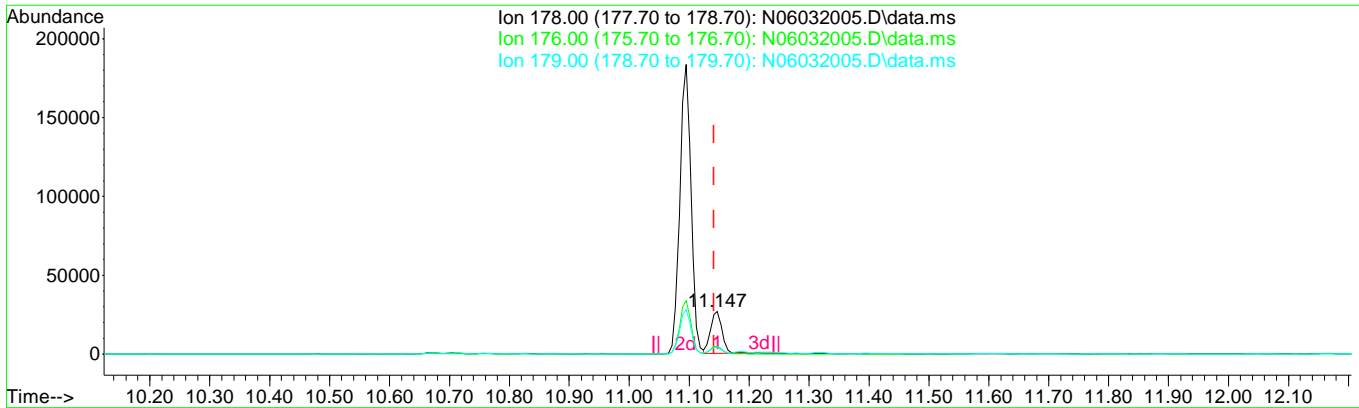
Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032005.D\data.ms

(19) Anthracene (T)

11.147min (+ 0.006) 19.70 ng/ml

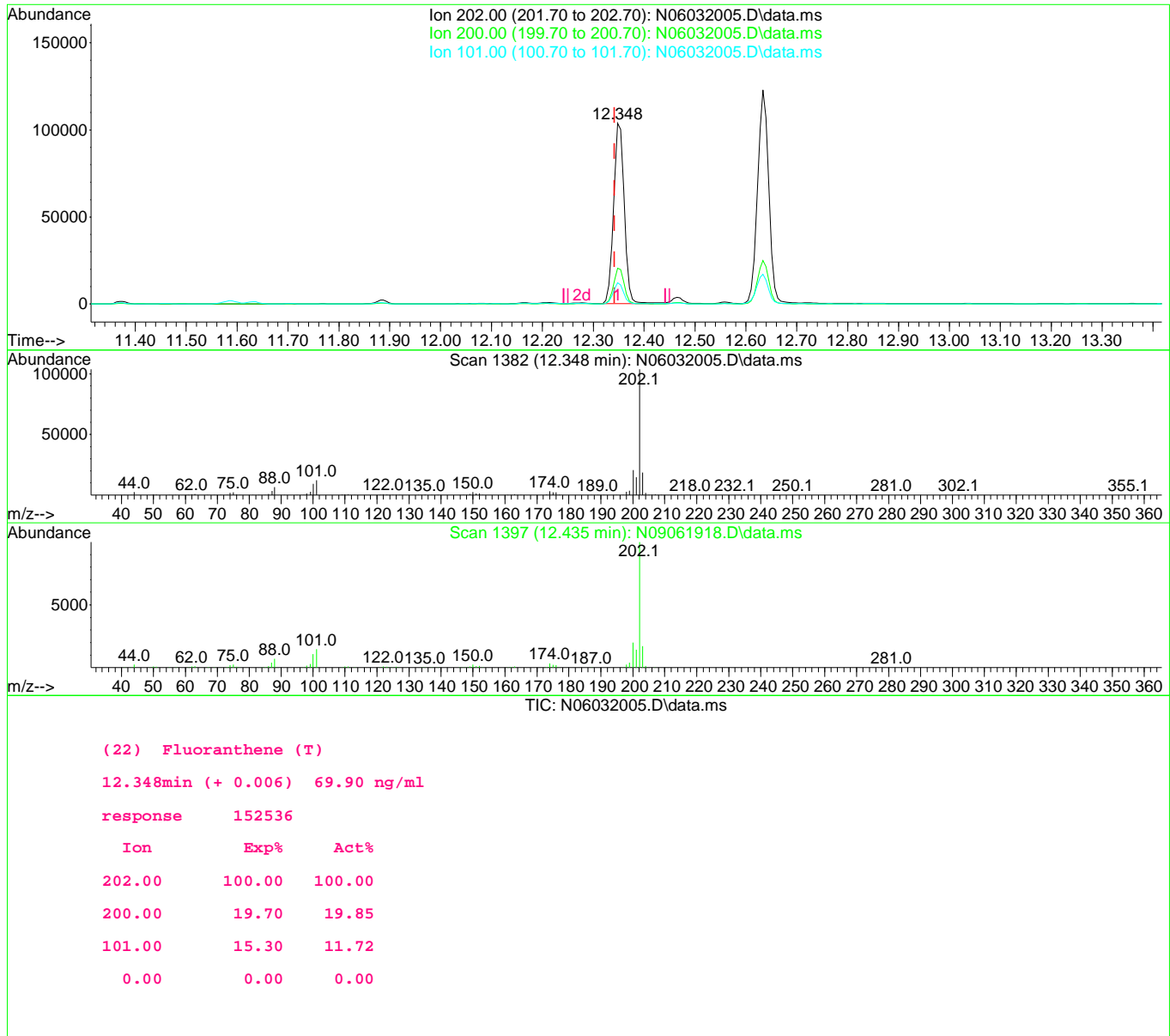
response 35730

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.80
179.00	15.30	15.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

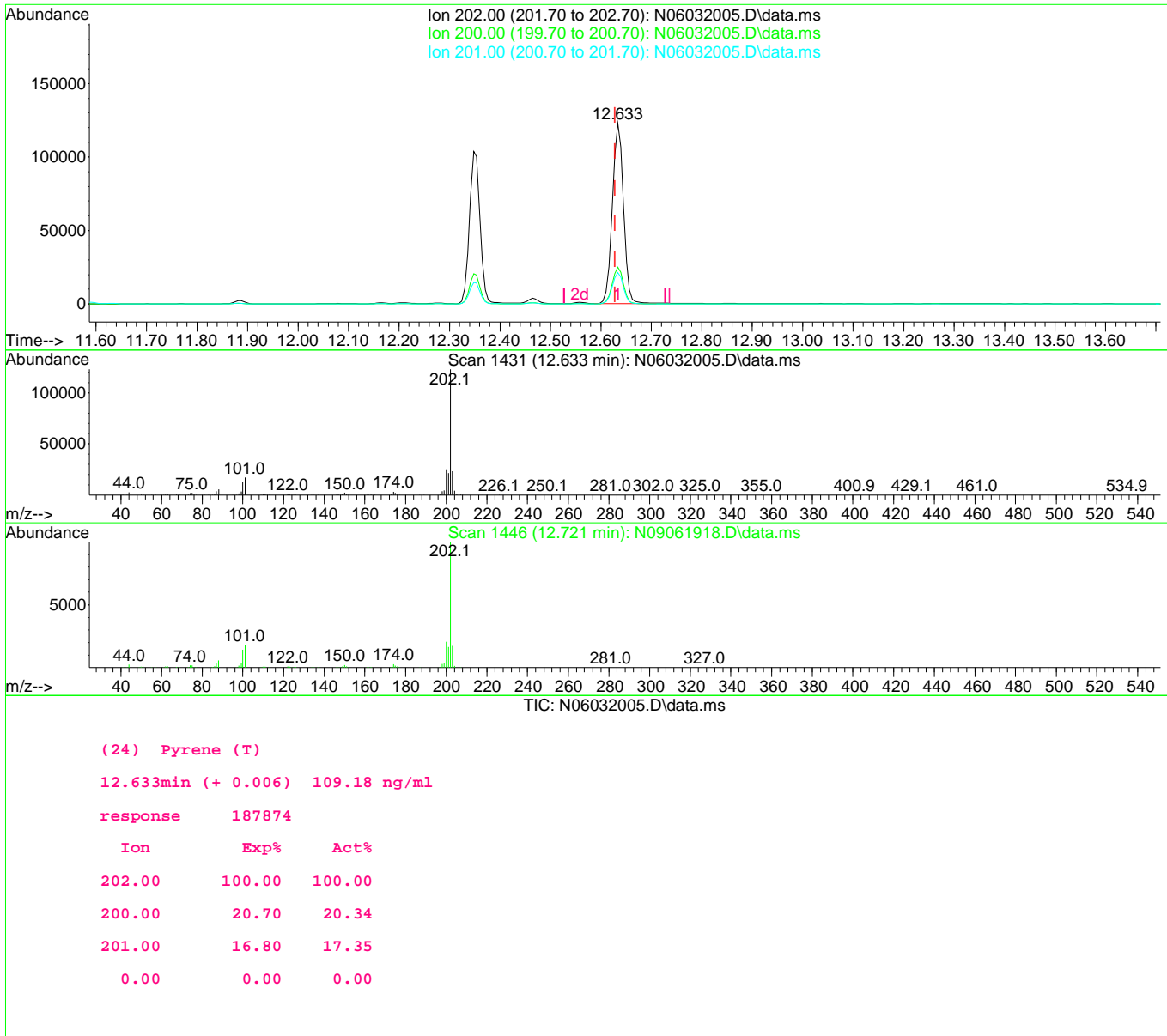
Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

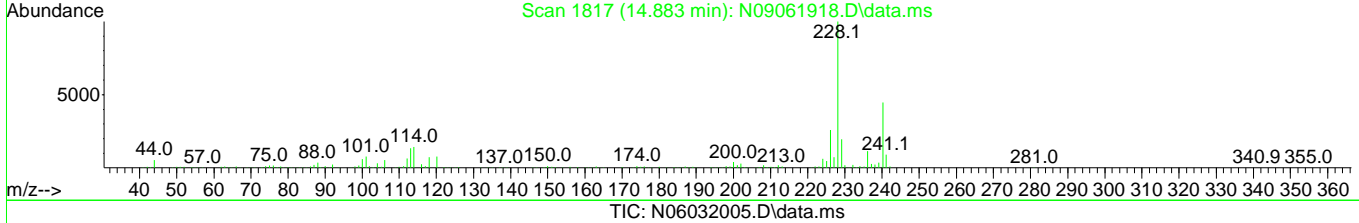
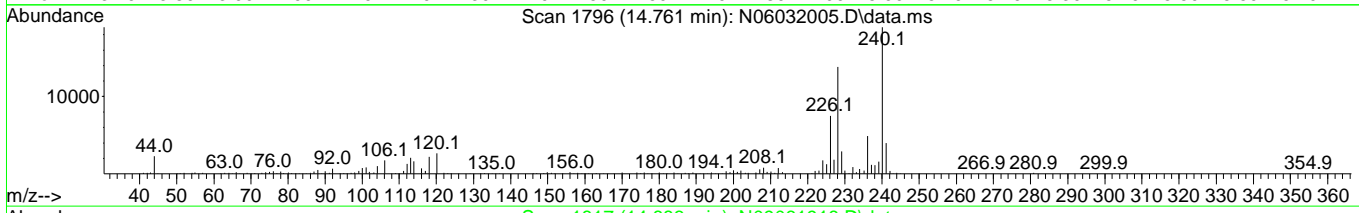
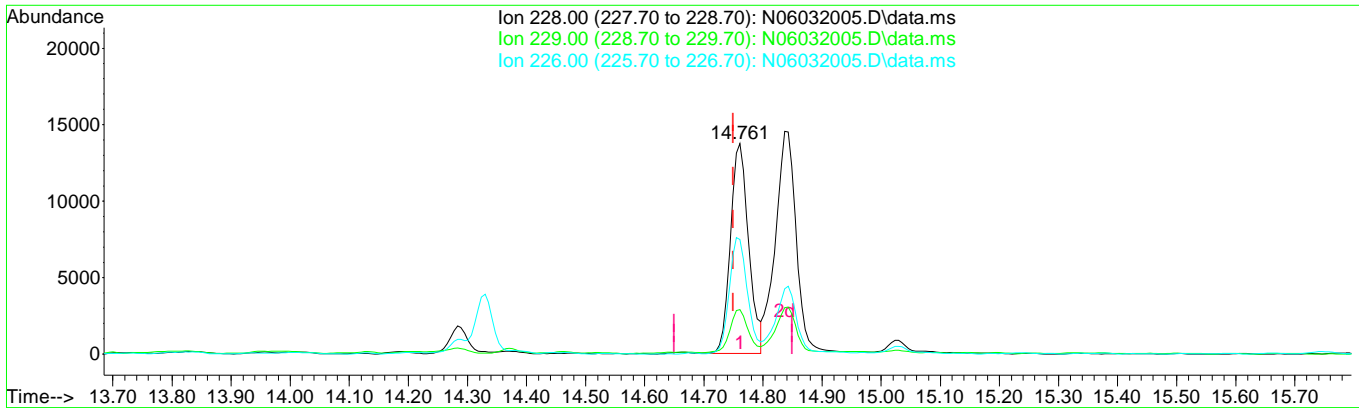
Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



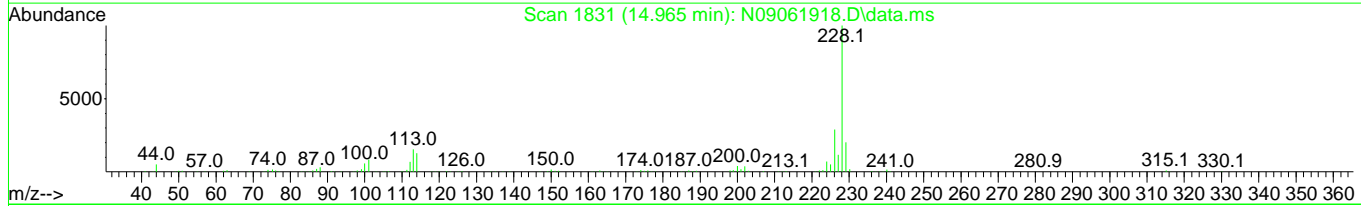
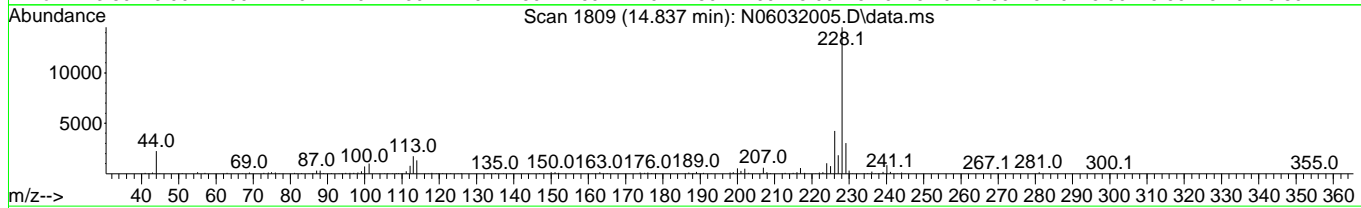
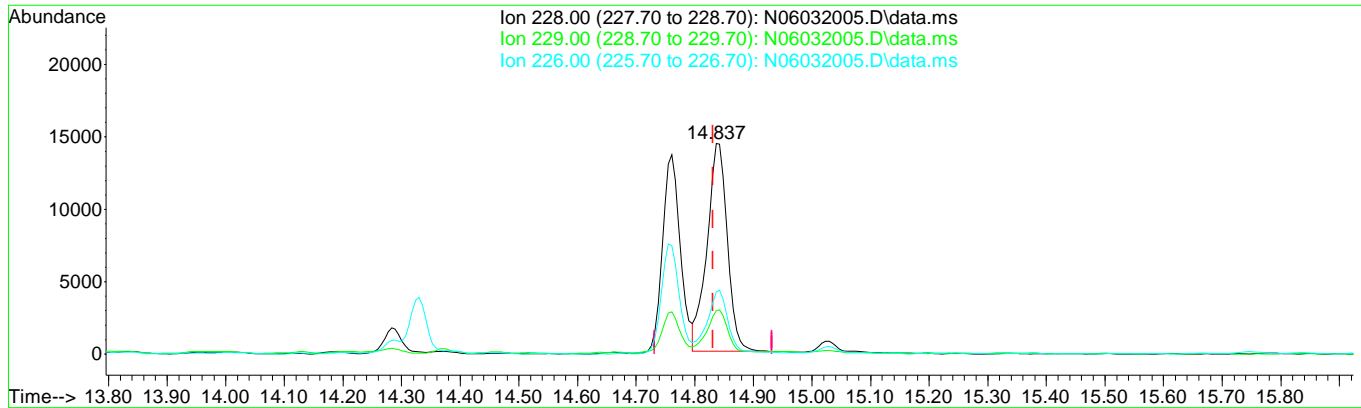
TIC: N06032005.D\data.ms

(26) Benz(a)anthracene (T)		
Retention Time	Concentration	
14.761min (+ 0.012)	21.36 ng/ml	
response	29388	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	21.18
226.00	26.20	54.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032005.D\data.ms

(27) Chrysene (T)

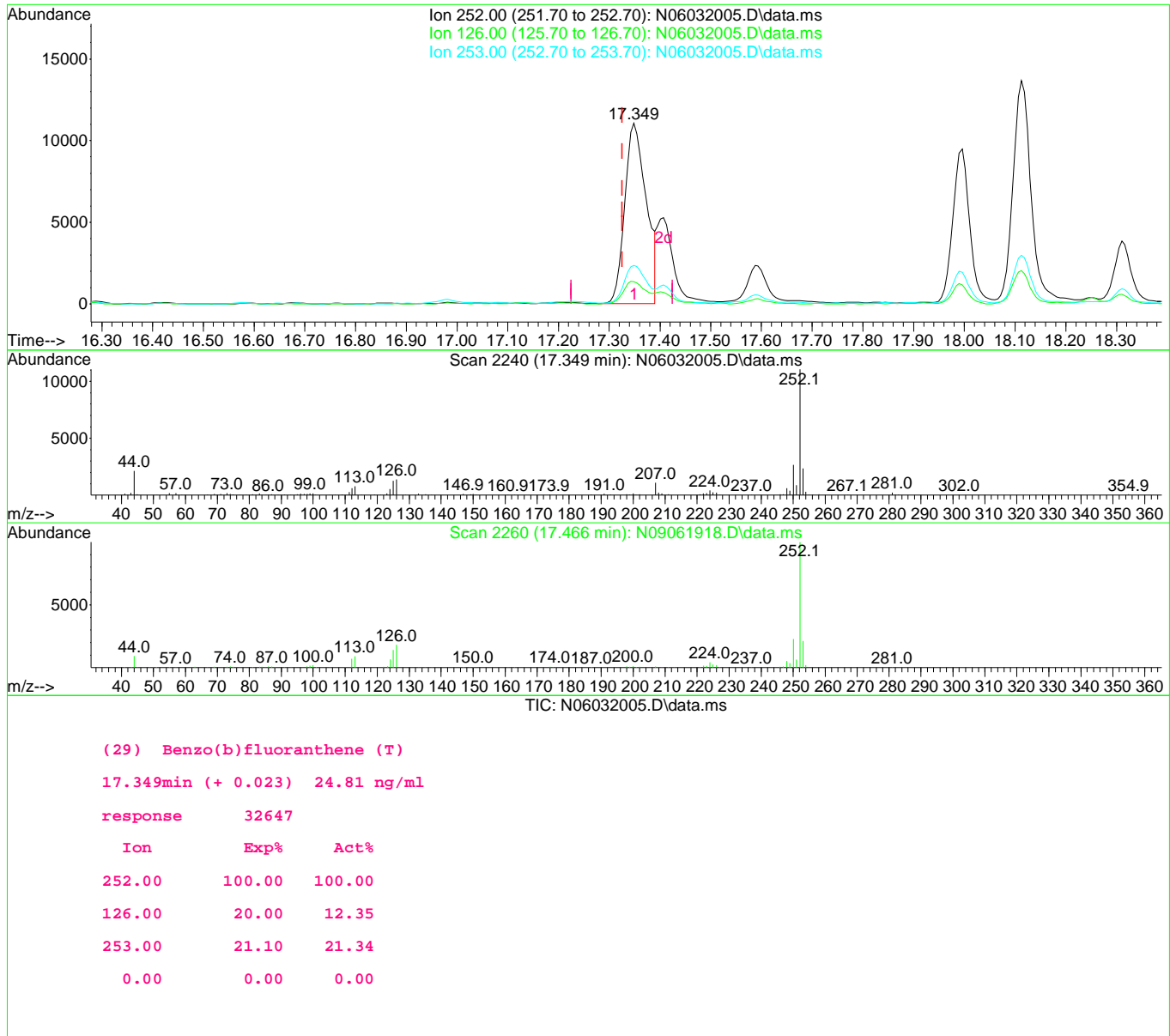
14.837min (+ 0.006) 24.41 ng/ml

response	34535
Ion	Exp% Act%
228.00	100.00 100.00
229.00	19.60 20.84
226.00	28.60 29.42
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

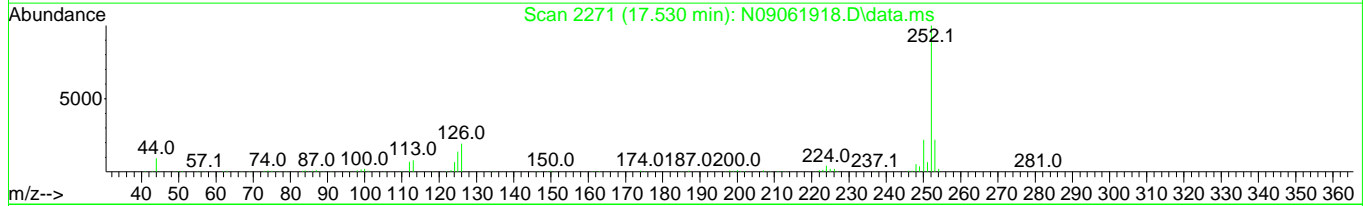
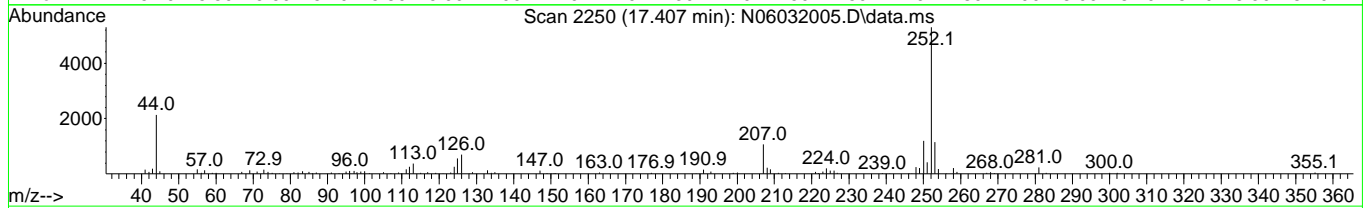
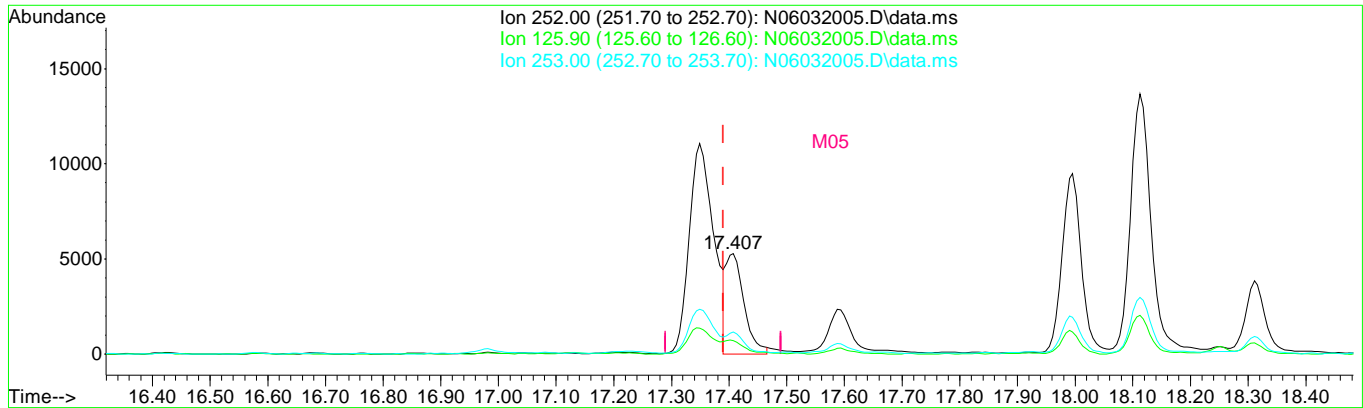
Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032005.D\data.ms

(30) Benzo(k)fluoranthene (T)

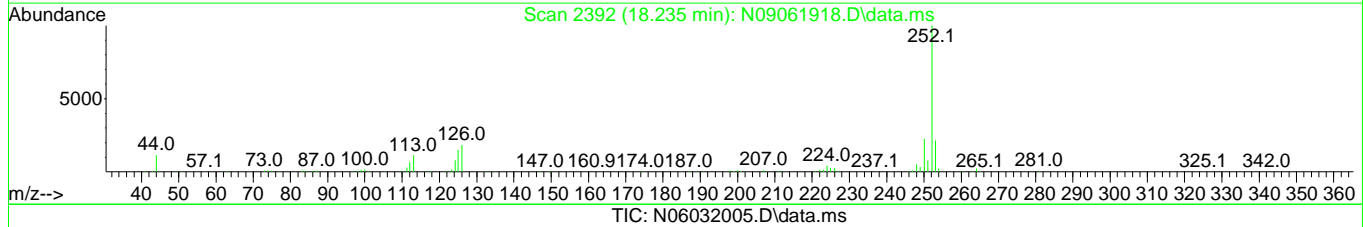
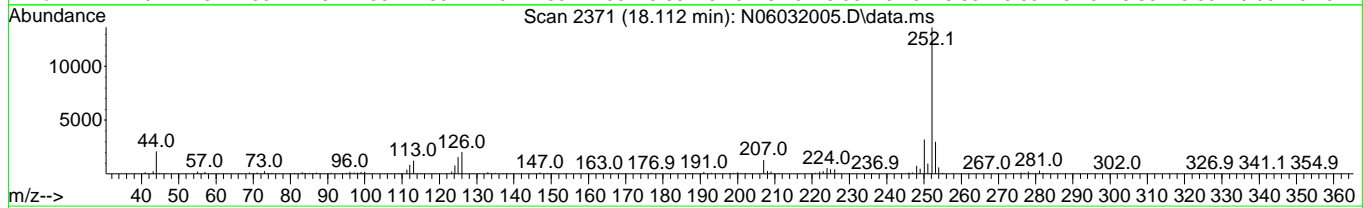
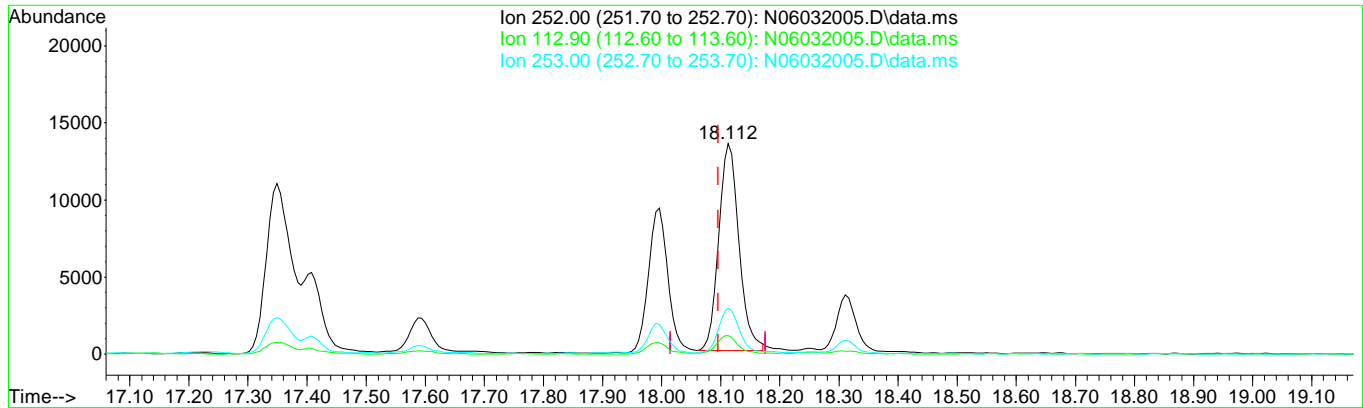
17.407min (+ 0.017) 8.68 ng/ml m

response	11386
Ion	Exp% Act%
252.00	100.00 100.00
125.90	22.10 13.43
253.00	21.50 21.85
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



(33) Benzo(a)pyrene (T)

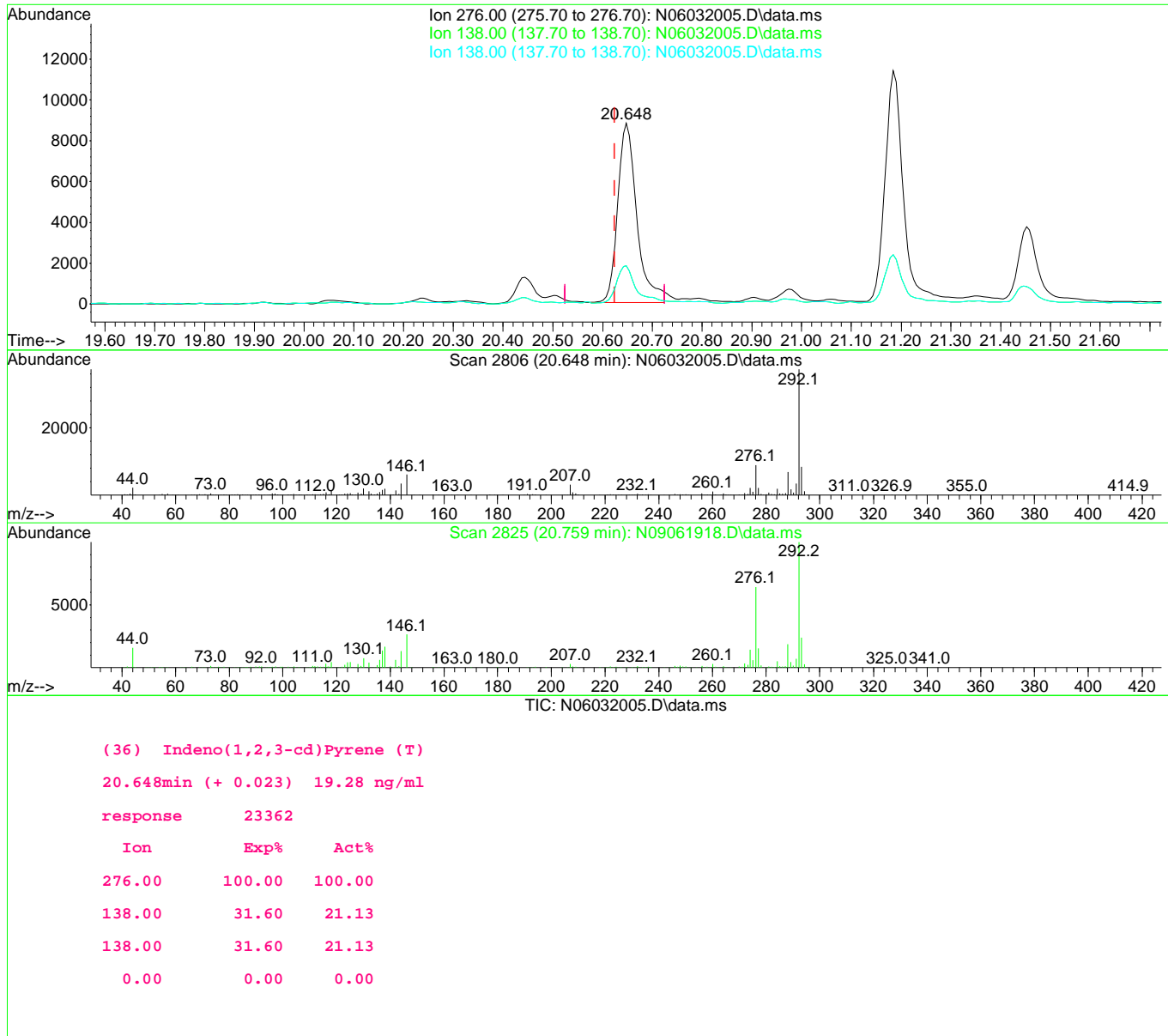
18.112min (+ 0.017) 30.78 ng/ml

response	Ion	Exp%	Act%
31991	252.00	100.00	100.00
	112.90	12.70	8.94
	253.00	21.90	21.80
	0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

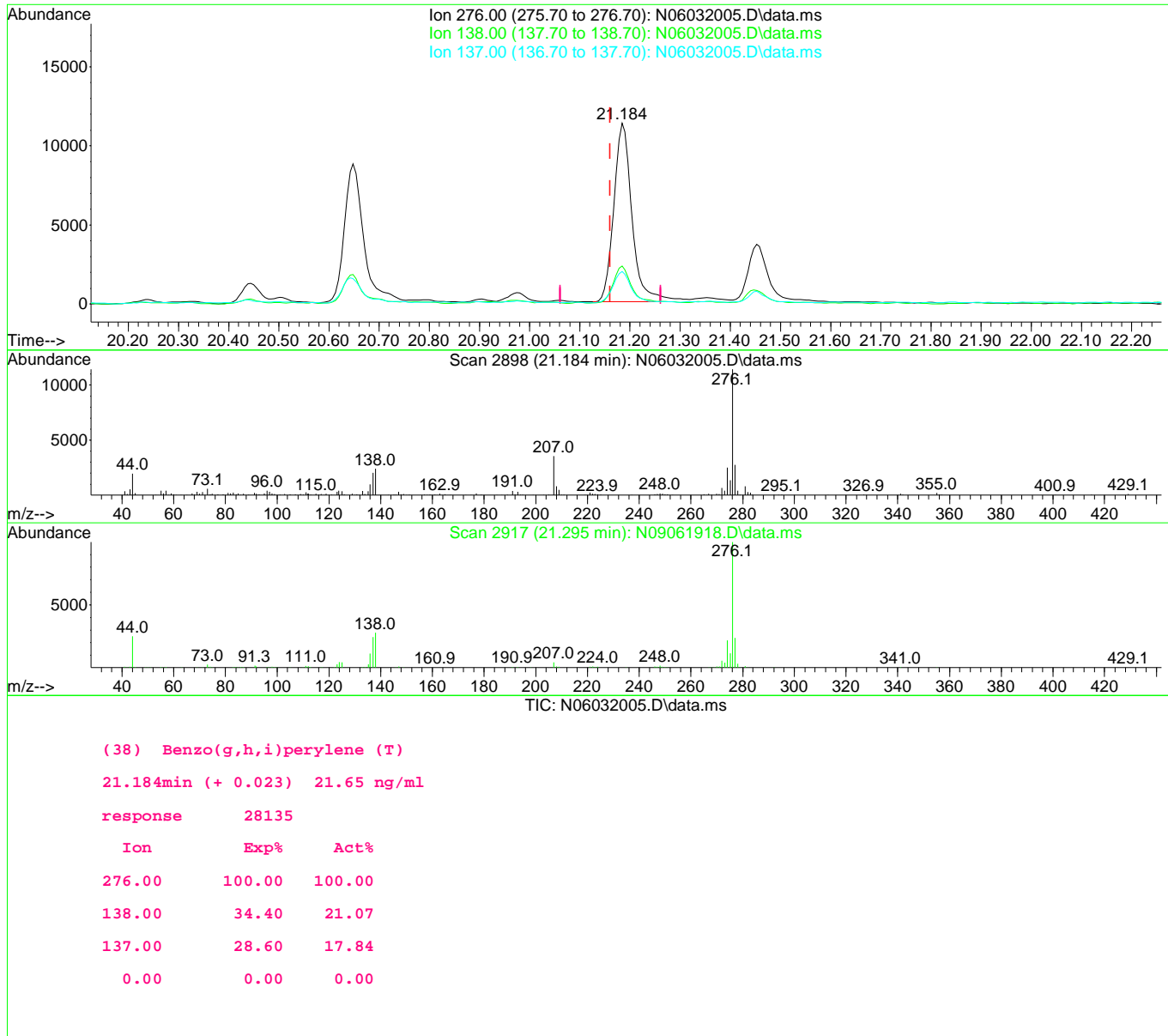
Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032005.D
 Acq On : 03 Jun 2020 10:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0E0612-07@100
 Misc : 100x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 10:51:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032006.D
 Acq On : 03 Jun 2020 10:50 am
 Operator : JK/ AMS/ DTH
 Sample : 0060104-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

AMS 6/4/20

Quant Time: Jun 04 10:54:50 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	218137	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	115018	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	167256	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	151132	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	142850	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	121938	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	58111	85.28	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	149886	84.17	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.831	244	146434	100.28	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.825	128	3753	1.58	ng/ml	99
5) 2-Methylnaphthalene	8.512	142	980	0.61	ng/ml	98
6) 1-Methylnaphthalene	8.612	142	550	N.D.		
7) 1,1'-Biphenyl	8.973	154	514	N.D.		
8) 2,6-Dimethylnaphthalene	9.142	156	336	N.D.		
11) Acenaphthylene	9.422	152	283	N.D.		
12) Acenaphthene	9.597	153	785	0.50	ng/ml	90
13) Dibenzofuran	9.771	168	214	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.981	170	102	N.D.		
15) Fluorene	10.115	166	450	N.D.		
17) Dibenzothiopene	10.966	184	193	N.D.		
18) Phenanthrene	11.095	178	1494	0.78	ng/ml	97
19) Anthracene	11.147	178	350	N.D.		
20) Carbazole	11.316	167	107	N.D.		
21) 1-Methylphenanthrene	11.724	192	148	N.D.		
22) Fluoranthene	12.354	202	860	0.45	ng/ml	95
24) Pyrene	12.633	202	885	0.45	ng/ml	90
26) Benz(a)anthracene	14.784	228	543	N.D.		
27) Chrysene	14.837	228	293	N.D.		
29) Benzo(b)fluoranthene	17.349	252	240	N.D.		
30) Benzo(k)fluoranthene	17.349	252	381	N.D.		
31) Benzo(b+k)fluoranthene	17.349	252	398	N.D.		
32) Benzo(e)pyrene	18.001	252	180	N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032006.D
 Acq On : 03 Jun 2020 10:50 am
 Operator : JK/ AMS/ DTH
 Sample : 0060104-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 10:54:50 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

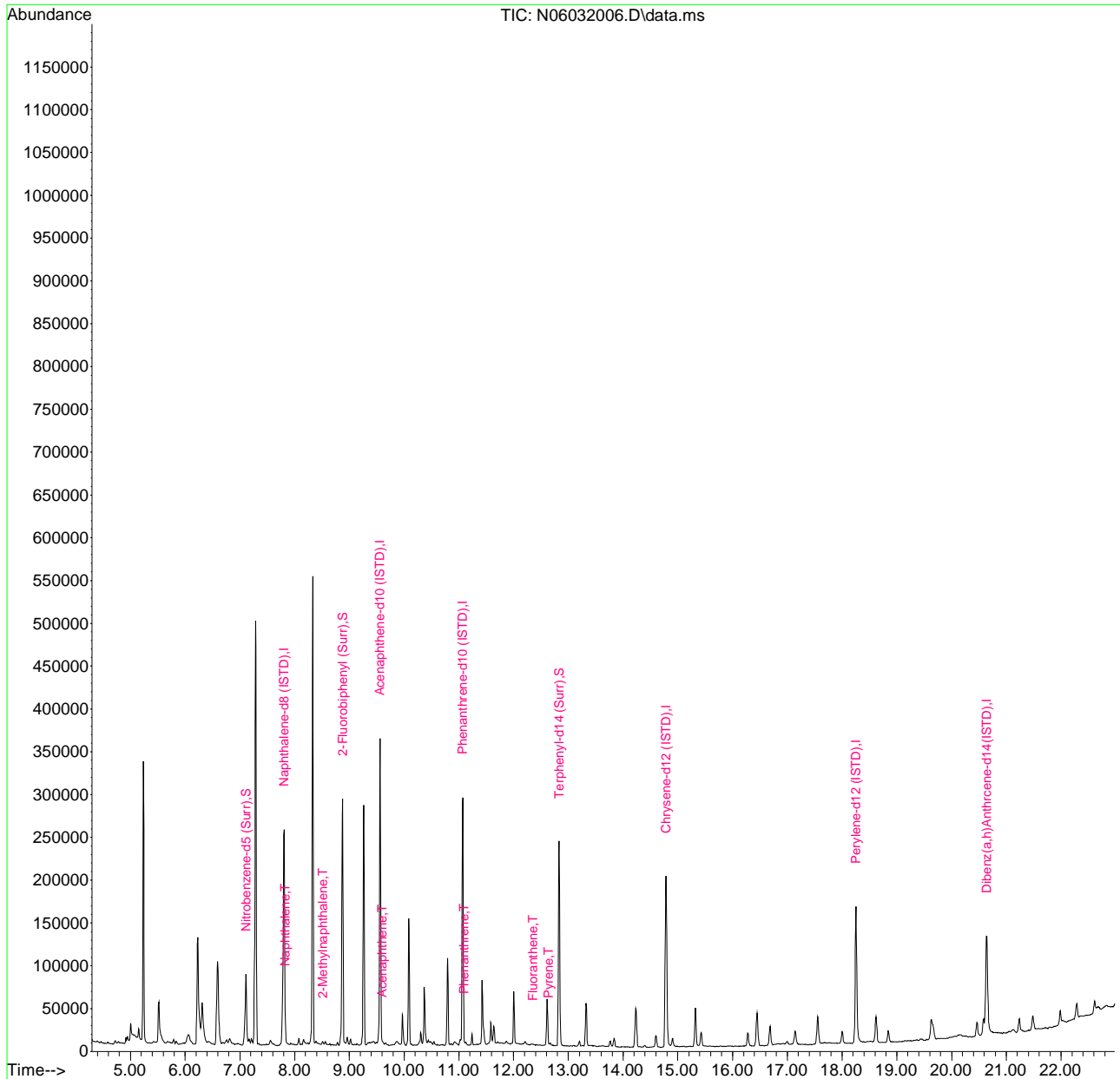
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	92			N.D.
34) Perylene	18.252	252	554			N.D.
36) Indeno(1,2,3-cd)Pyrene	20.642	276	148			N.D.
37) Dibenz(a,h)anthracene	0.000		0			N.D.
38) Benzo(g,h,i)perylene	21.190	276	172			N.D.

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
Data File : N06032006.D
Acq On : 03 Jun 2020 10:50 am
Operator : JK/ AMS/ DTH
Sample : 0060104-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 04 10:54:50 2020
Quant Method : U:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

AMS 6/4/20

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032007.D
 Acq On : 03 Jun 2020 11:22 am
 Operator : JK/ AMS/ DTH
 Sample : 0060104-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 04 10:55:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	214672	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	133941	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.072	188	220139	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	177447	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	168722	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	147547	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	53730	80.12	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	165935	80.02	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	171920	100.27	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.277	138	7326	42.68	ng/ml	88
4) Naphthalene	7.825	128	90272	38.61	ng/ml	100
5) 2-Methylnaphthalene	8.513	142	64805	41.28	ng/ml	97
6) 1-Methylnaphthalene	8.612	142	63770	40.91	ng/ml	97
7) 1,1'-Biphenyl	8.973	154	79918	40.39	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.136	156	58133	42.82	ng/ml	97
11) Acenaphthylene	9.416	152	100460	40.22	ng/ml	99
12) Acenaphthene	9.591	153	71137	38.83	ng/ml	100
13) Dibenzofuran	9.766	168	83410	37.61	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.976	170	60669	42.26	ng/ml	99
15) Fluorene	10.116	166	70042	39.76	ng/ml	100
17) Dibenzothiopene	10.967	184	87681	39.41	ng/ml	94
18) Phenanthrene	11.095	178	98451	38.85	ng/ml	99
19) Anthracene	11.147	178	87656	42.24	ng/ml	99
20) Carbazole	11.316	167	68801	38.40	ng/ml	98
21) 1-Methylphenanthrene	11.719	192	73256	42.87	ng/ml	98
22) Fluoranthene	12.348	202	105907	42.41	ng/ml	96
24) Pyrene	12.634	202	109139	47.42	ng/ml	100
26) Benz(a)anthracene	14.761	228	76932	41.81	ng/ml	99
27) Chrysene	14.843	228	76750	40.55	ng/ml	99
29) Benzo(b)fluoranthene	17.343	252	74367	42.64	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	73060	42.02	ng/ml	91
31) Benzo(b+k)fluoranthene	17.407	252	154724	84.36	ng/ml	91
32) Benzo(e)pyrene	17.996	252	75316	41.30	ng/ml	98

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032007.D
 Acq On : 03 Jun 2020 11:22 am
 Operator : JK/ AMS/ DTH
 Sample : 0060104-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 04 10:55:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

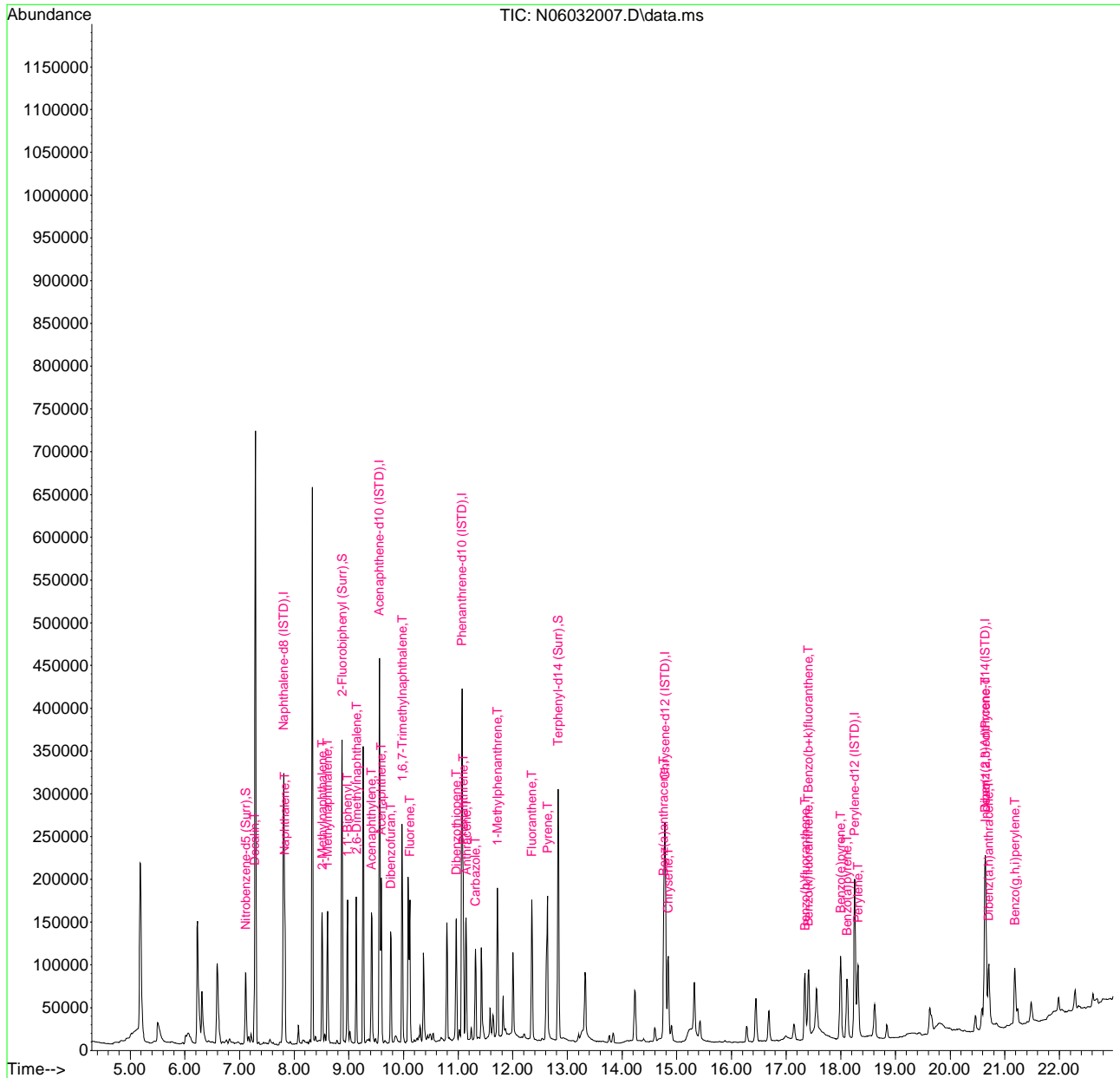
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.113	252	63911	45.91	ng/ml	96
34) Perylene	18.317	252	78462	41.78	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.648	276	65808	41.06	ng/ml	78
37) Dibenz(a,h)anthracene	20.706	278	65083	40.27	ng/ml	81
38) Benzo(g,h,i)perylene	21.184	276	68483	39.83	ng/ml	80

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-06\0F03037\
 Data File : N06032007.D
 Acq On : 03 Jun 2020 11:22 am
 Operator : JK/ AMS/ DTH
 Sample : 0060104-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 04 10:55:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

MO5

Quant Time: Jun 04 12:07:50 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.807	136	225940	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.562	162	114800	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.071	188	176774	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.784	240	169773	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.252	264	165116	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthrcene-d...	20.642	292	140370	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.096	82	236	0.33	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.874	172	194	0.11	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.832	244	309	0.19	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.825	128	2748	1.12	ng/ml		96
5) 2-Methylnaphthalene	8.513	142	344	N.D.			
6) 1-Methylnaphthalene	8.612	142	141	N.D.			
7) 1,1'-Biphenyl	8.979	154	279	N.D.			
8) 2,6-Dimethylnaphthalene	9.136	156	94	N.D.			
11) Acenaphthylene	9.422	152	8687	4.06	ng/ml		98
12) Acenaphthene	9.591	153	5549	3.53	ng/ml		96
13) Dibenzofuran	9.766	168	301	N.D.			
14) 1,6,7-Trimethylnaphtha...	9.976	170	1417	1.15	ng/ml		96
15) Fluorene	10.116	166	928	0.61	ng/ml		93
17) Dibenzothiopene	10.967	184	10560	5.91	ng/ml		96
18) Phenanthrene	11.095	178	14122	6.94	ng/ml		99
19) Anthracene	11.147	178	8183	4.91	ng/ml		95
20) Carbazole	11.316	167	363	N.D.			
21) 1-Methylphenanthrene	11.718	192	13116	9.56	ng/ml		94
22) Fluoranthene	12.348	202	114208	56.95	ng/ml		96
24) Pyrene	12.633	202	147460	66.97	ng/ml		100
26) Benz(a)anthracene	14.761	228	32359	18.38	ng/ml		67
27) Chrysene	14.843	228	40341	22.28	ng/ml		98
29) Benzo(b)fluoranthene	17.349	252	32065	18.79	ng/ml		91
30) Benzo(k)fluoranthene	17.407	252	11470m	6.74	ng/ml		MO5
31) Benzo(b+k)fluoranthene	17.349	252	45893	25.57	ng/ml		89
32) Benzo(e)pyrene	17.996	252	20526	11.50	ng/ml		99

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:07:50 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

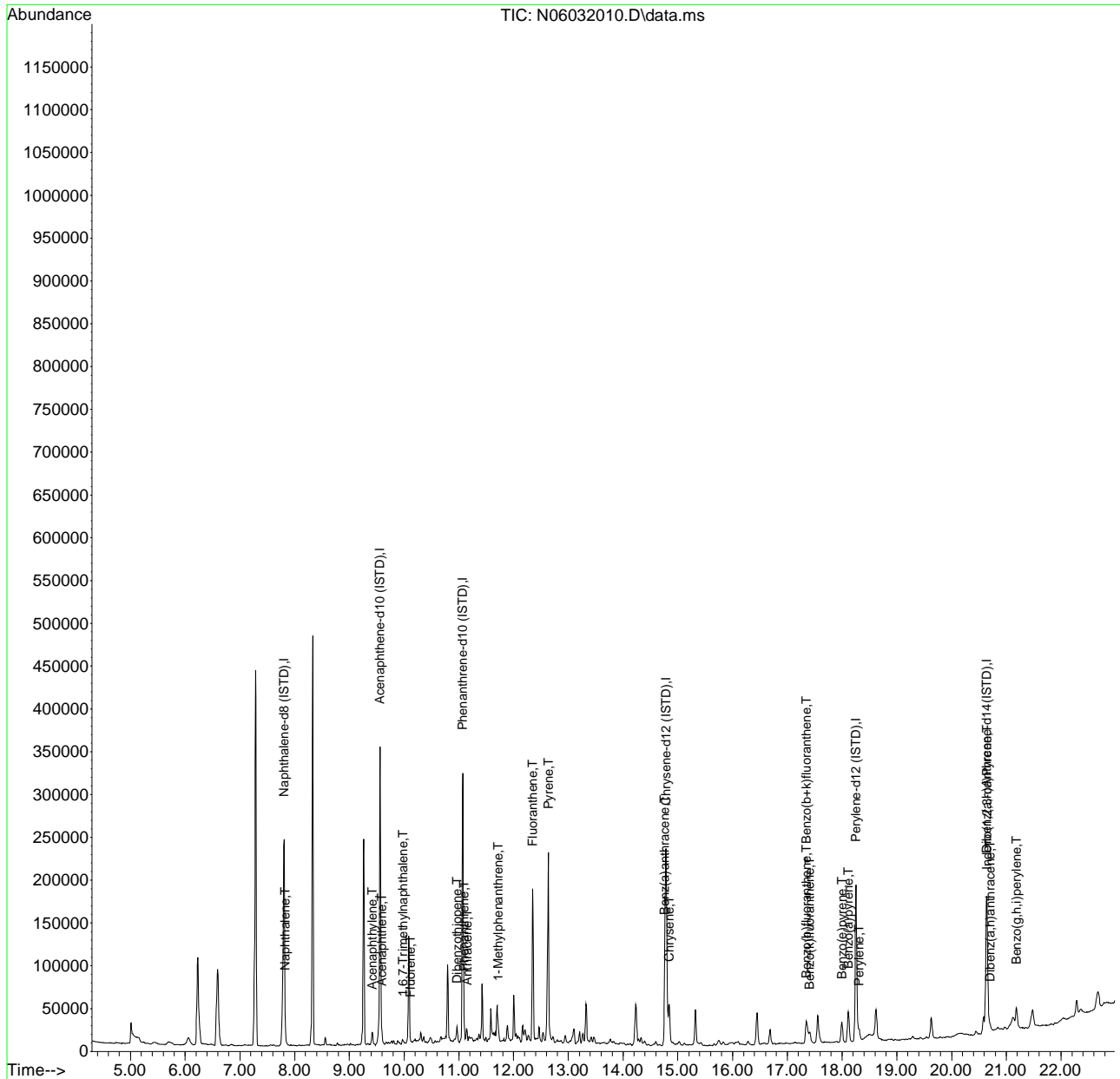
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	31636	23.61	ng/ml	97
34) Perylene	18.311	252	9234	5.02	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.648	276	21442	14.06	ng/ml	82
37) Dibenz(a,h)anthracene	20.706	278	2470	1.61	ng/ml	86
38) Benzo(g,h,i)perylene	21.184	276	25694	15.71	ng/ml	77

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

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F03037\
Data File : N06032010.D
Acq On : 03 Jun 2020 12:59 pm
Operator : JK/ AMS/ DTH
Sample : A0E0668-02@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

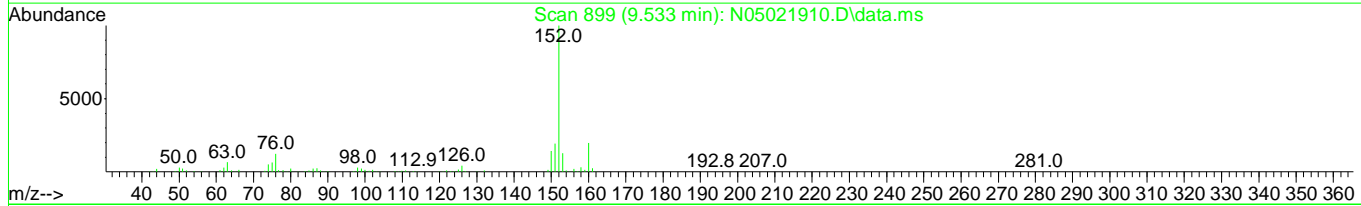
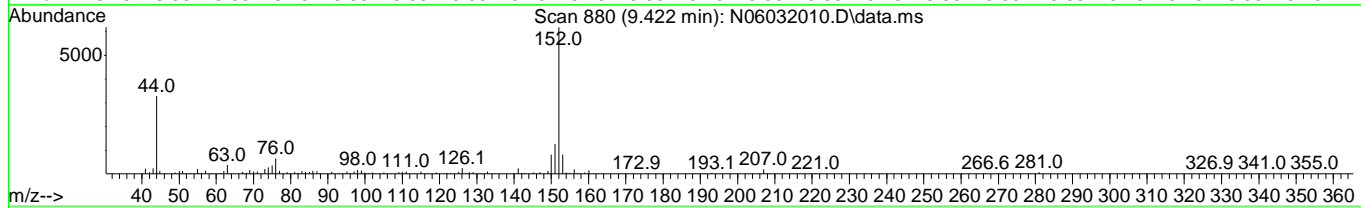
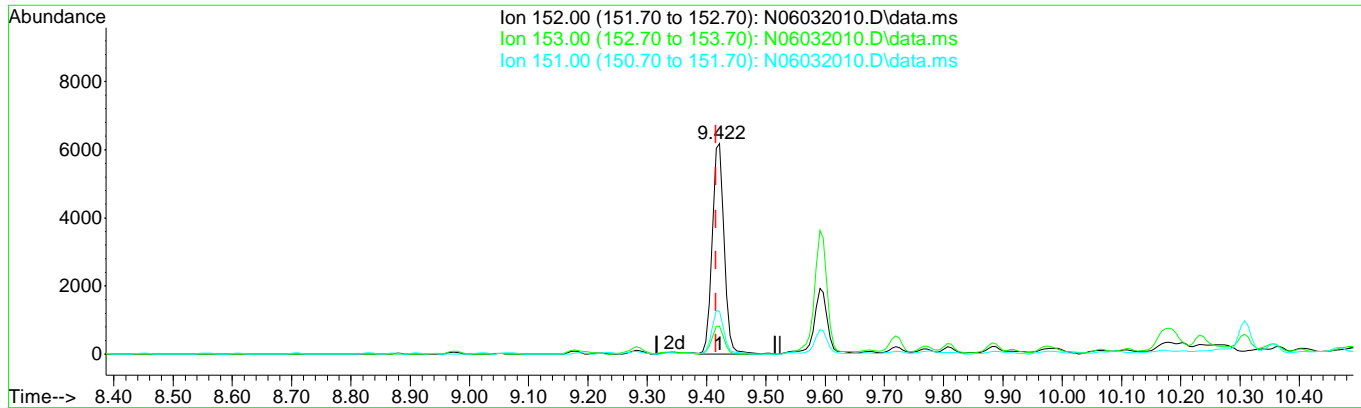
Quant Time: Jun 04 12:07:50 2020
Quant Method : R:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:07:50 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032010.D\data.ms

(11) Acenaphthylene (T)

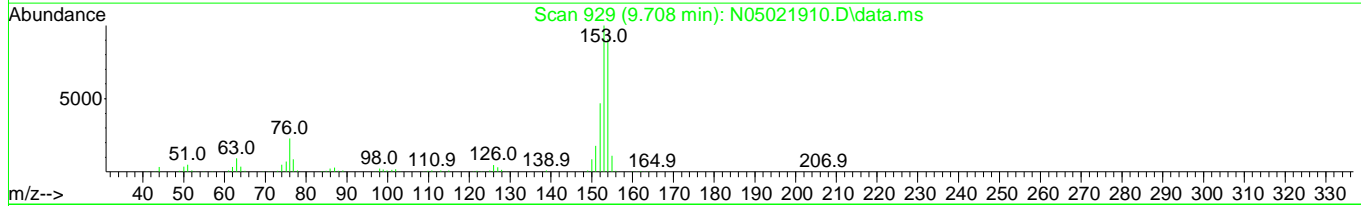
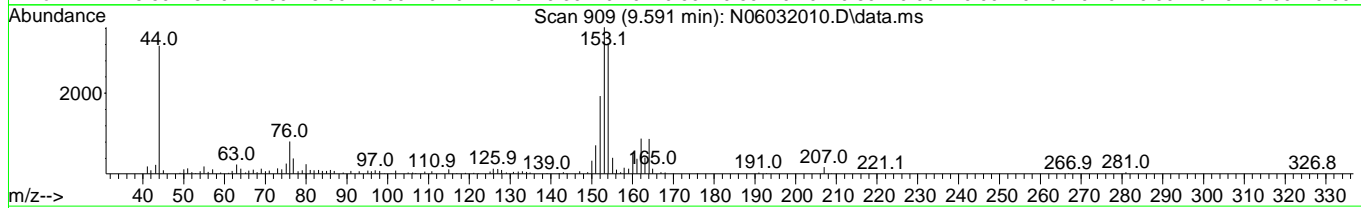
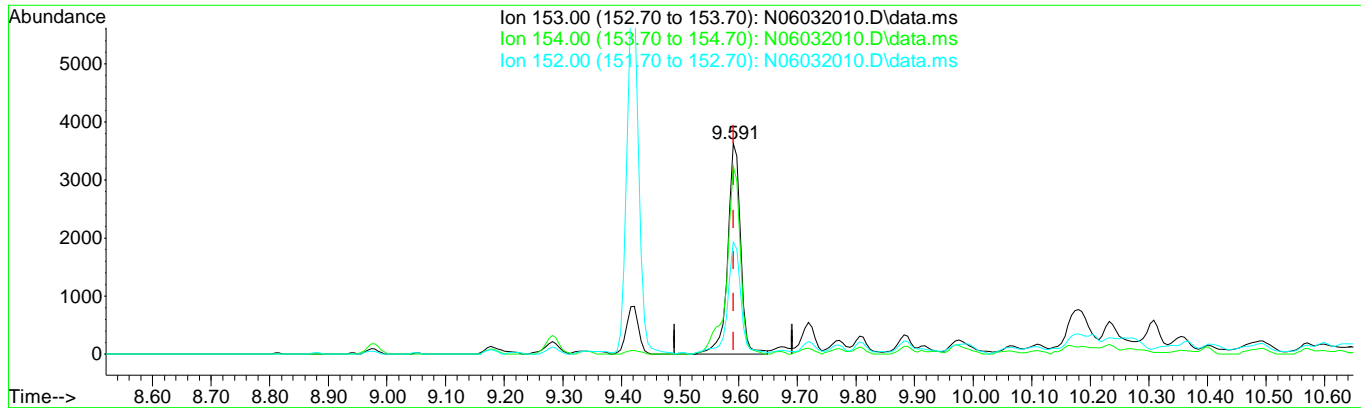
9.422min (+ 0.006) 4.06 ng/ml

response	8687	
Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	13.28
151.00	19.30	20.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



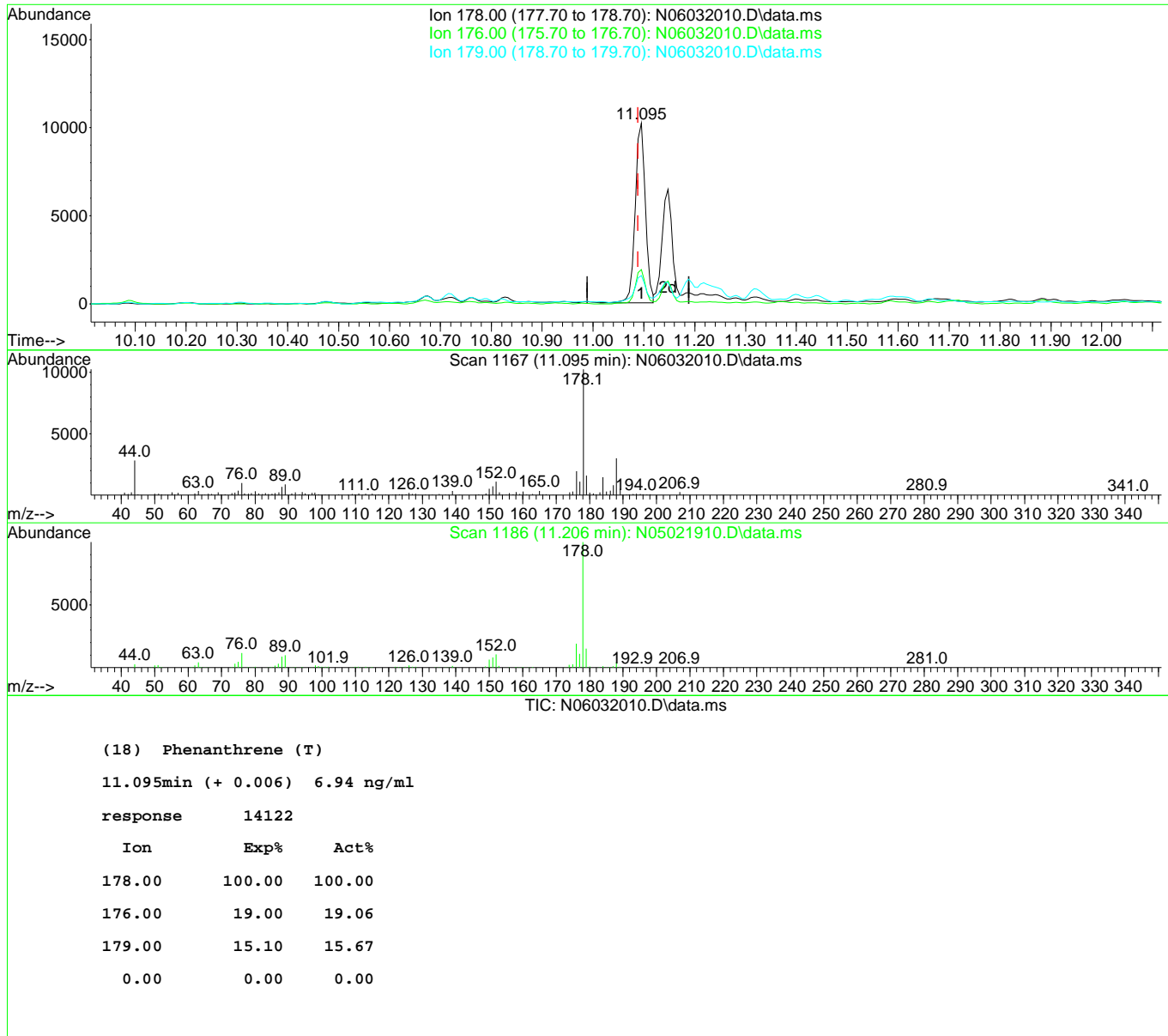
TIC: N06032010.D\data.ms

(12) Acenaphthene (T)		
9.591min (-0.000) 3.53 ng/ml		
response	5549	
Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	89.28
152.00	46.80	53.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

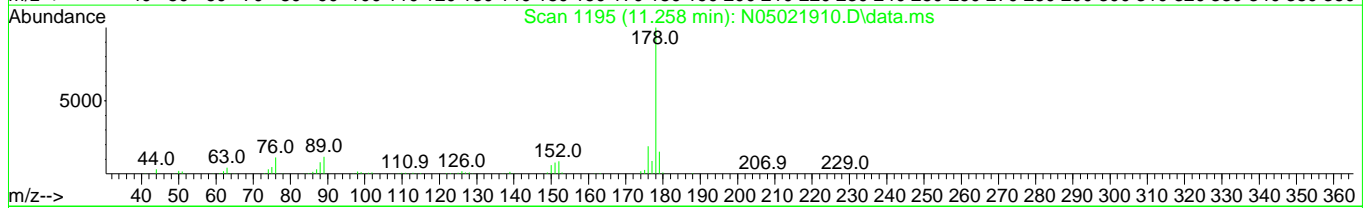
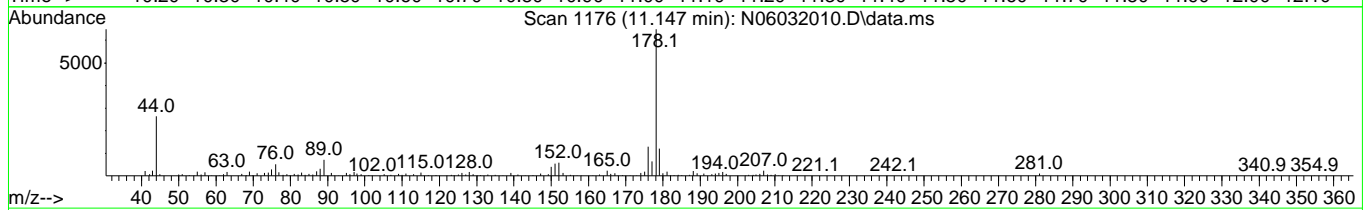
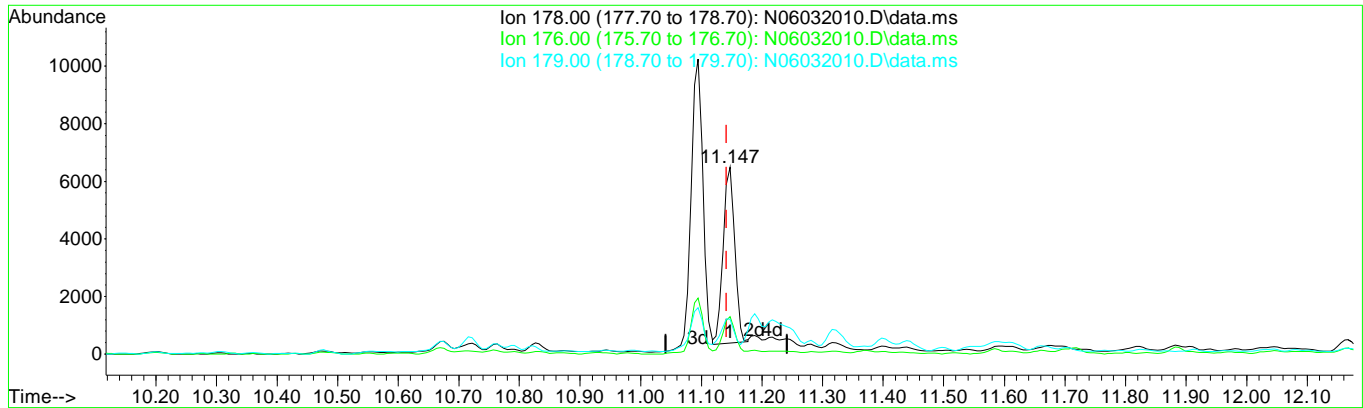
Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032010.D\data.ms

(19) Anthracene (T)

11.147min (+ 0.006) 4.91 ng/ml

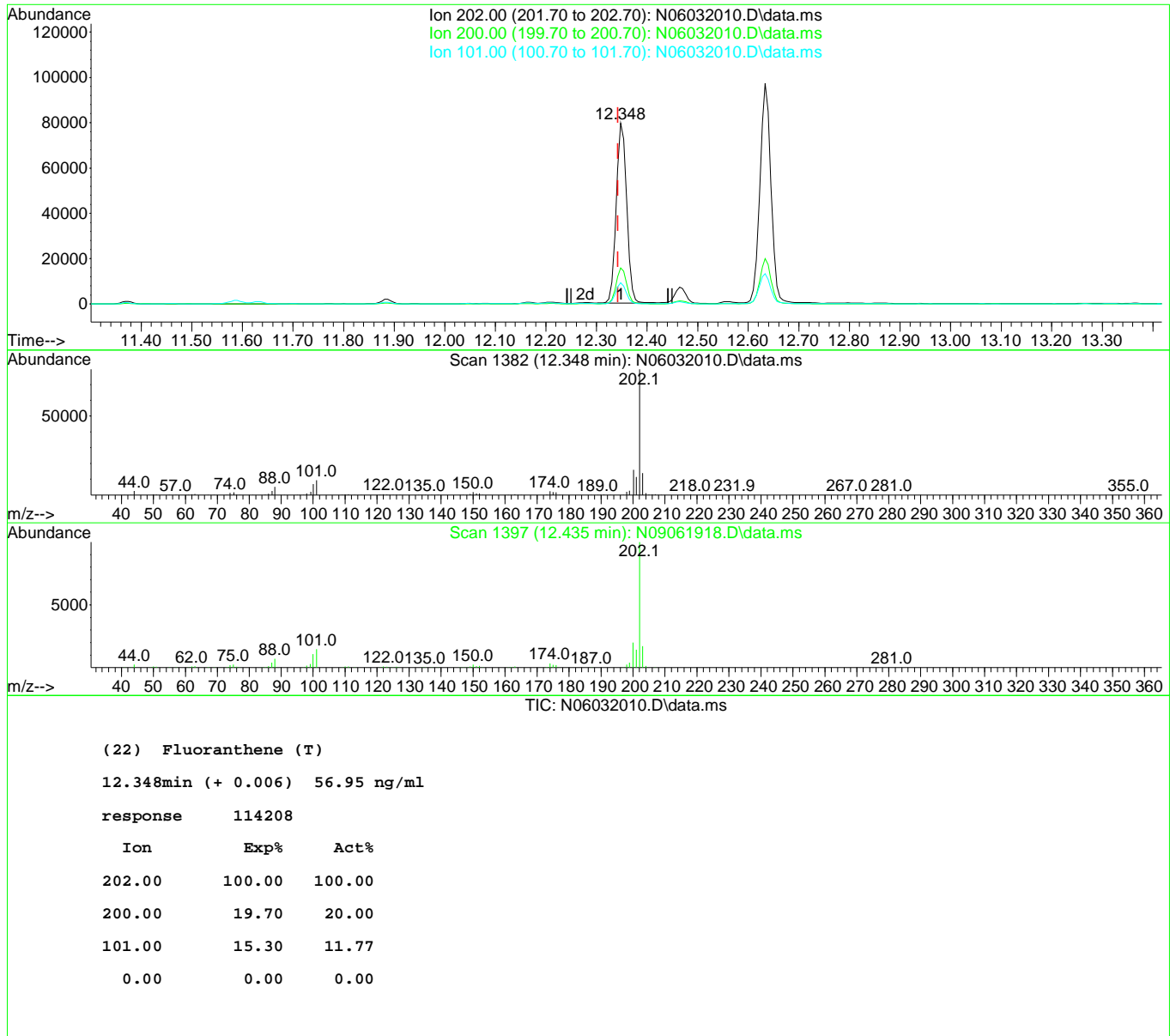
response 8183

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	20.02
179.00	15.30	18.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

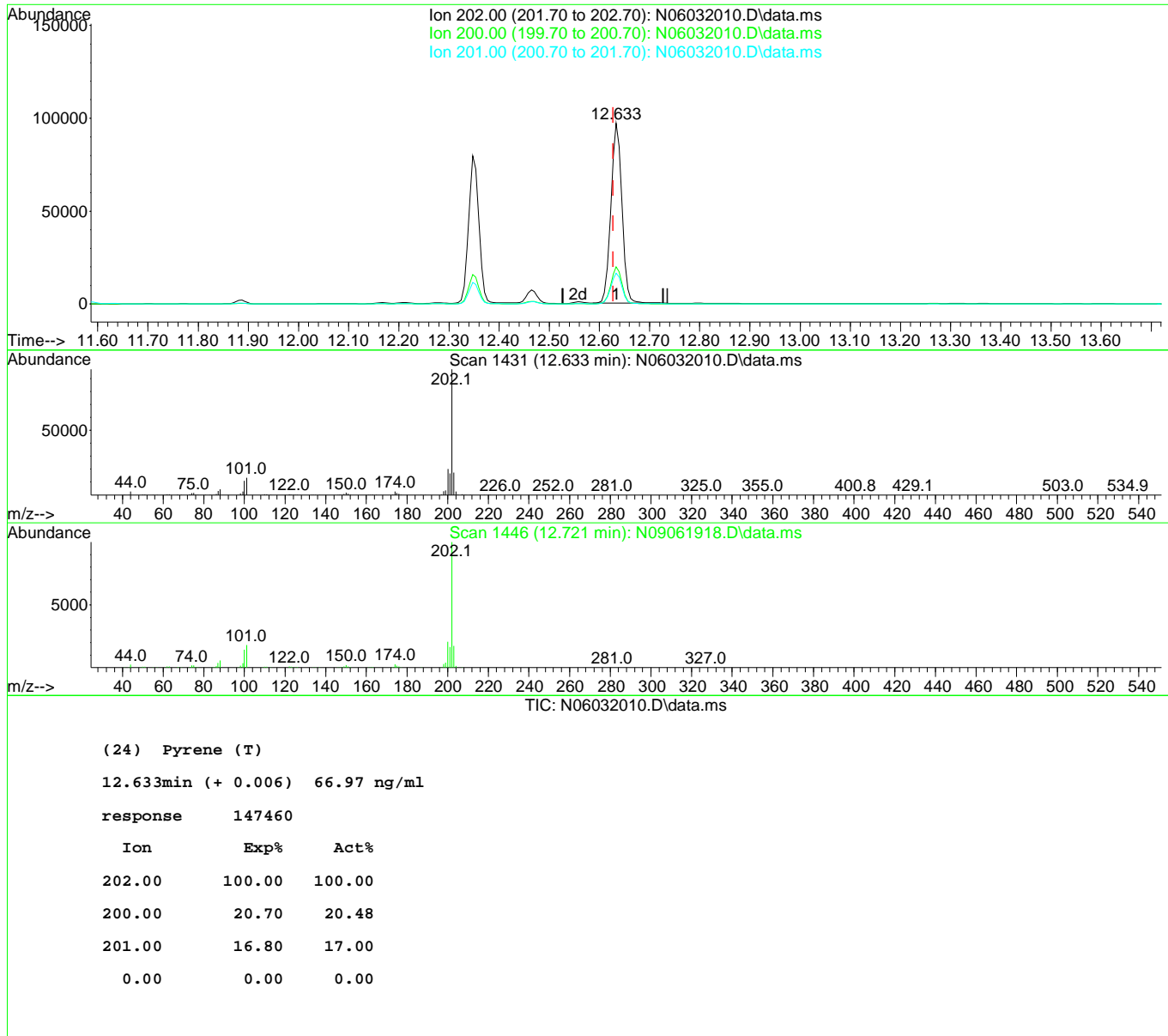
Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

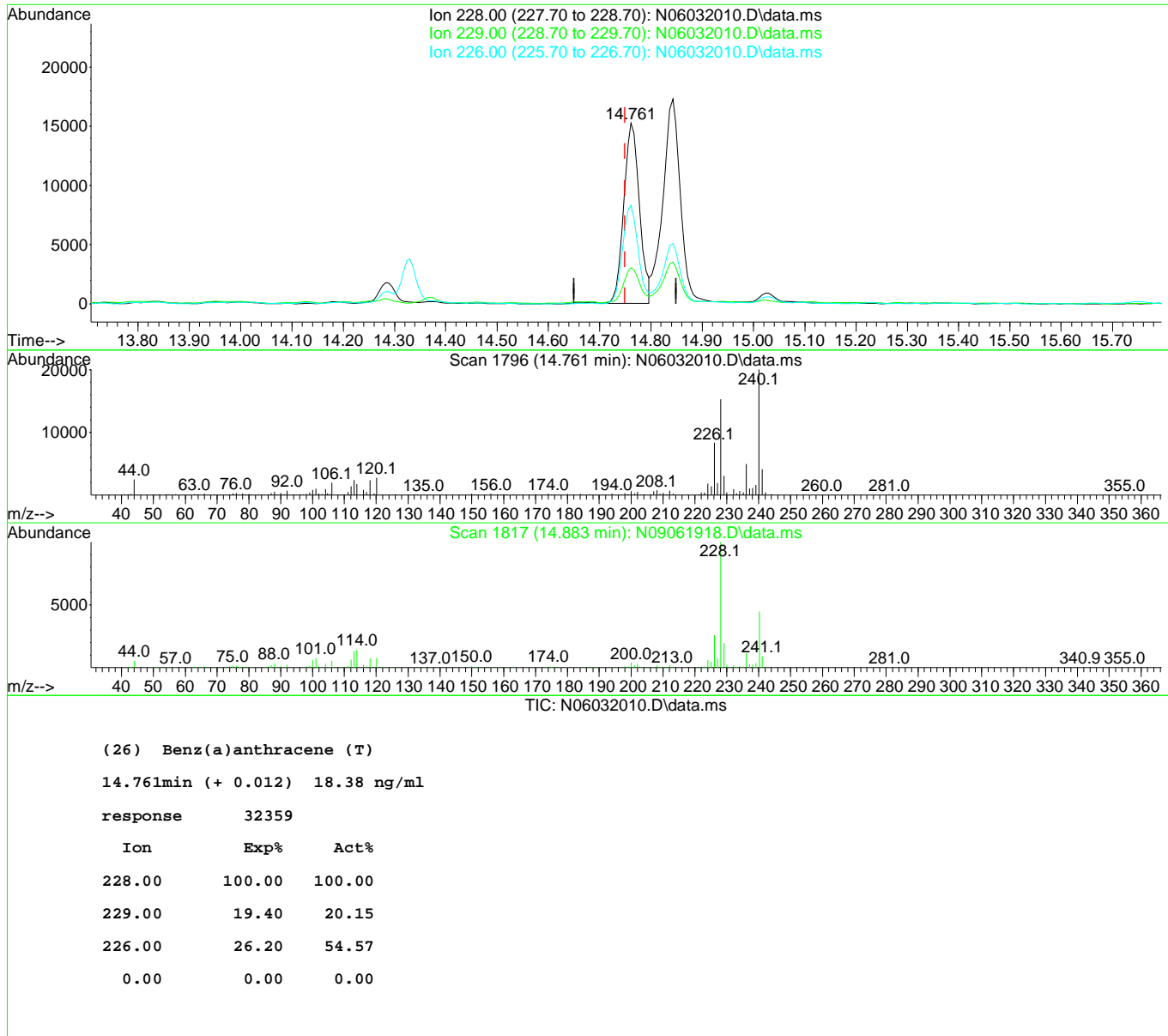
Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

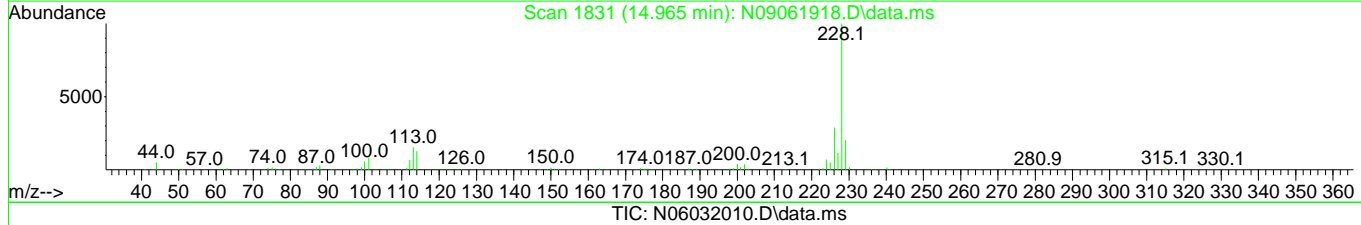
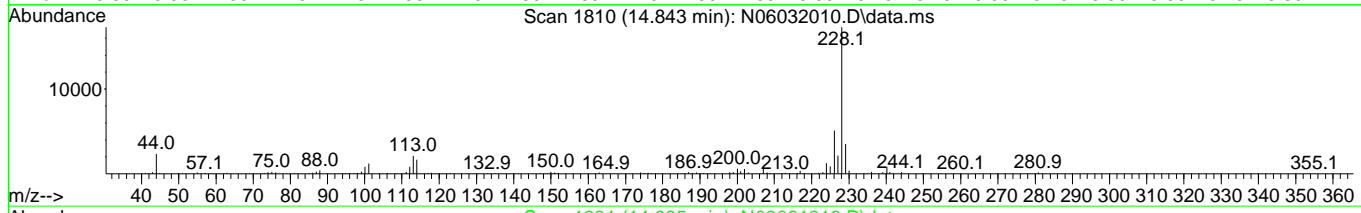
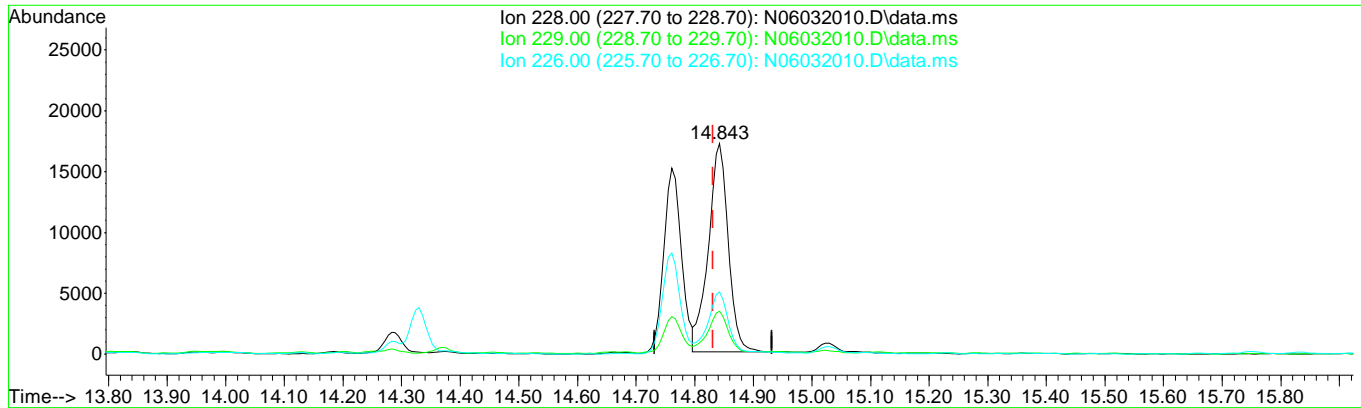
Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



(27) Chrysene (T)

14.843min (+ 0.012) 22.28 ng/ml

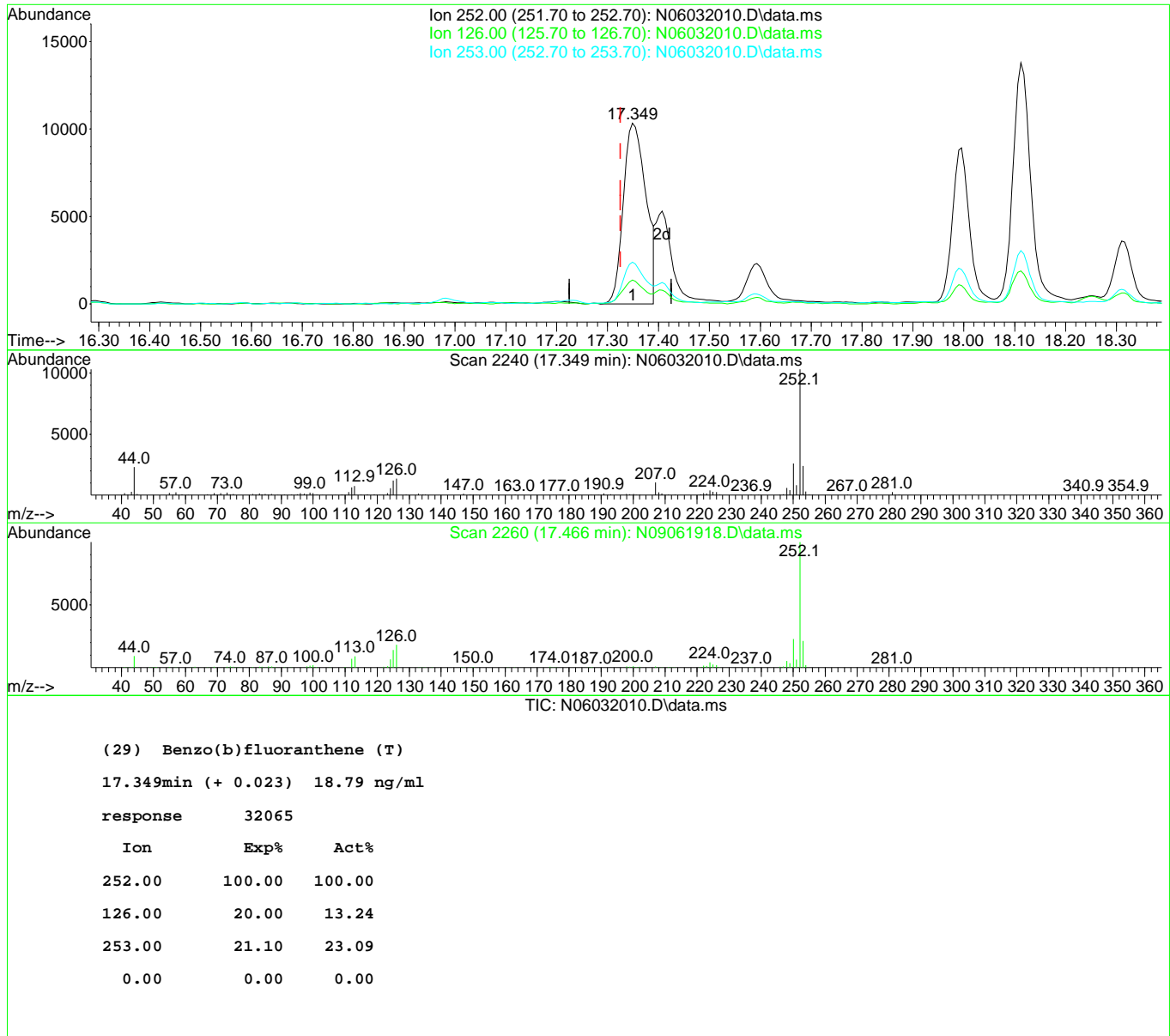
response 40341

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.34
226.00	28.60	29.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

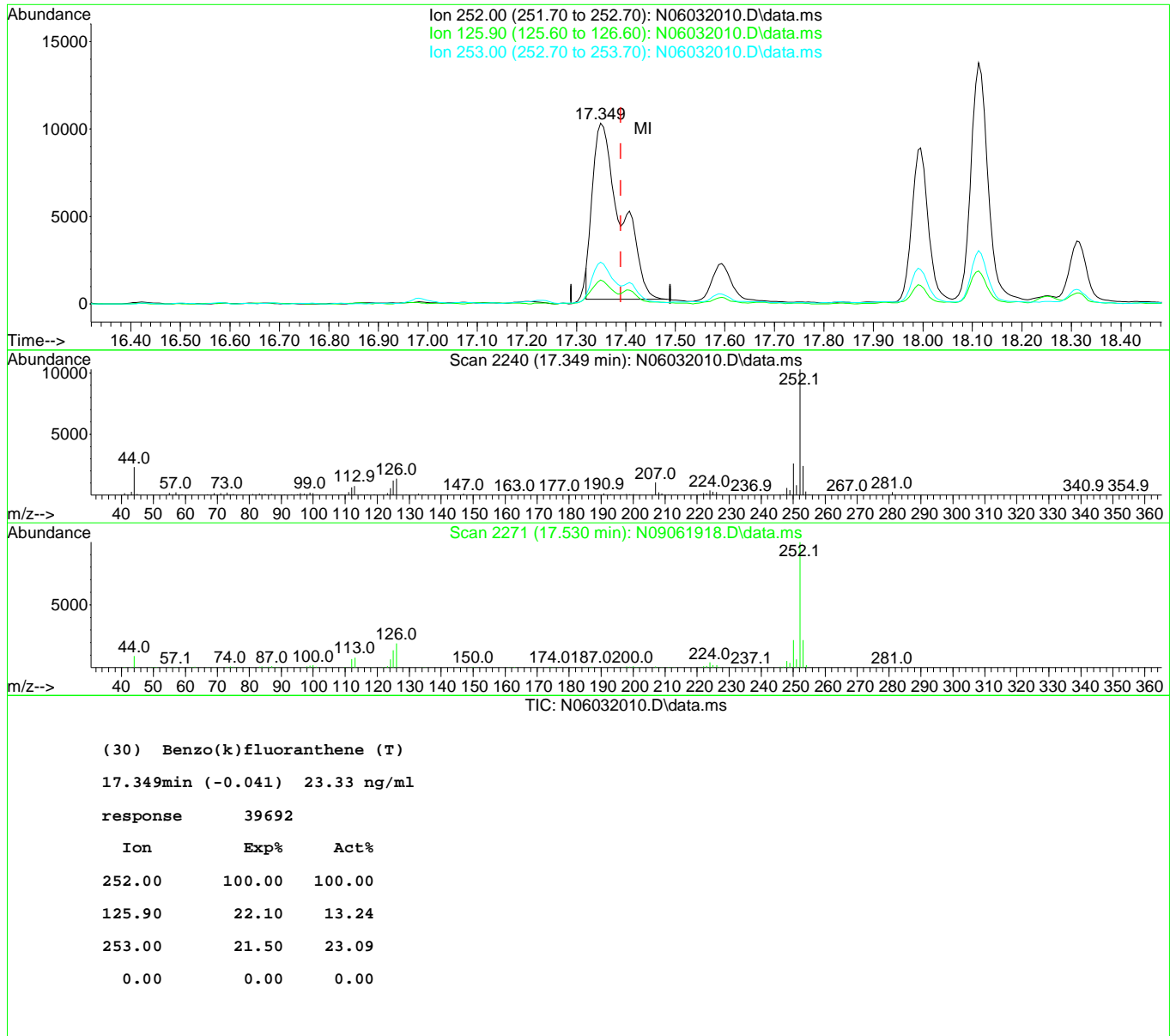
Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

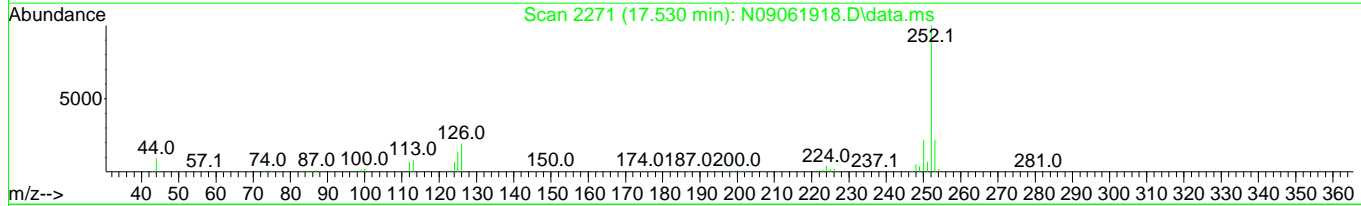
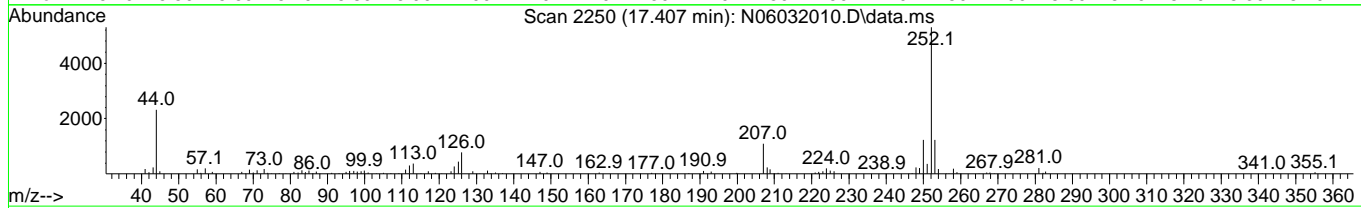
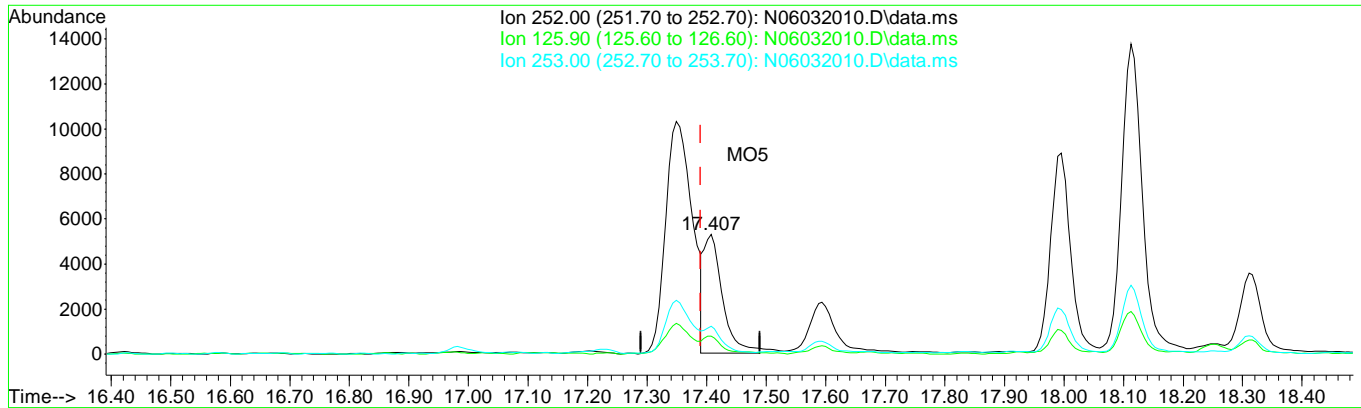
Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032010.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.407min (+ 0.017) 6.74 ng/ml m

response	11470	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.86
253.00	21.50	23.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

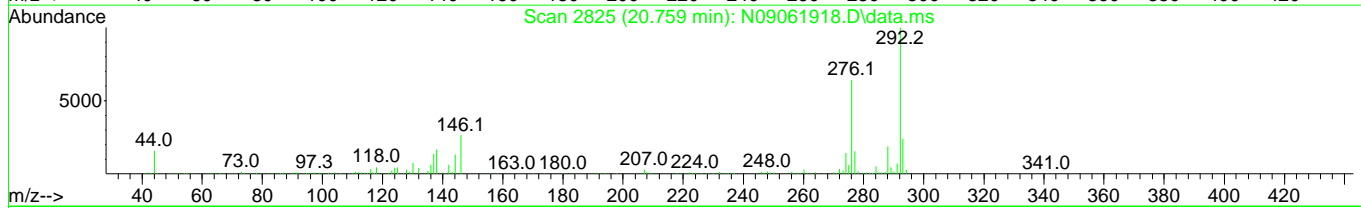
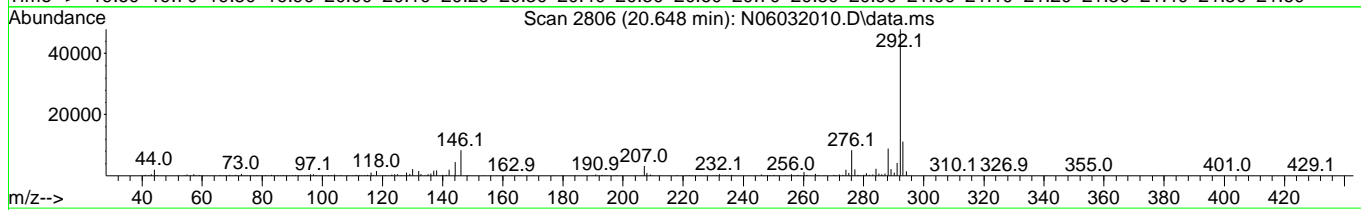
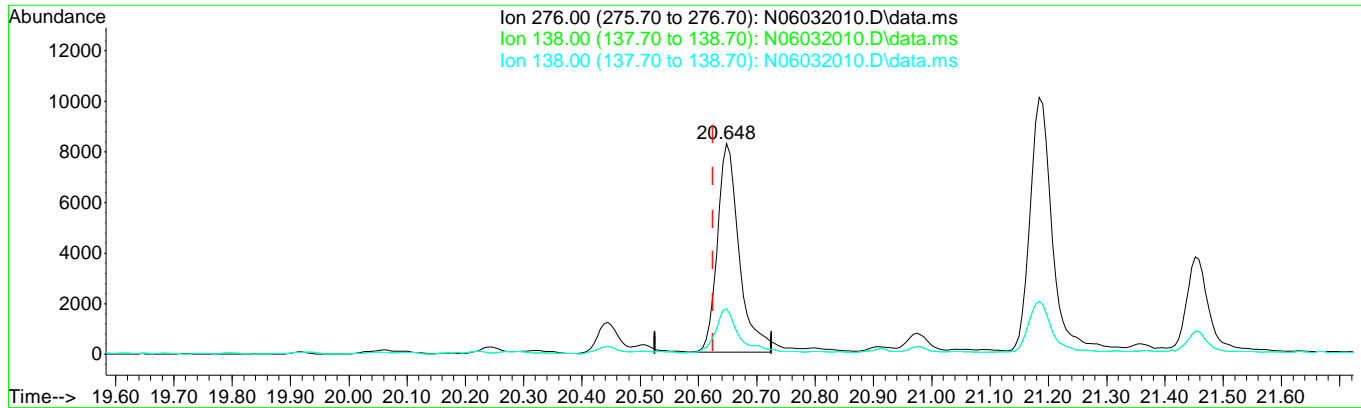
Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032010.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)

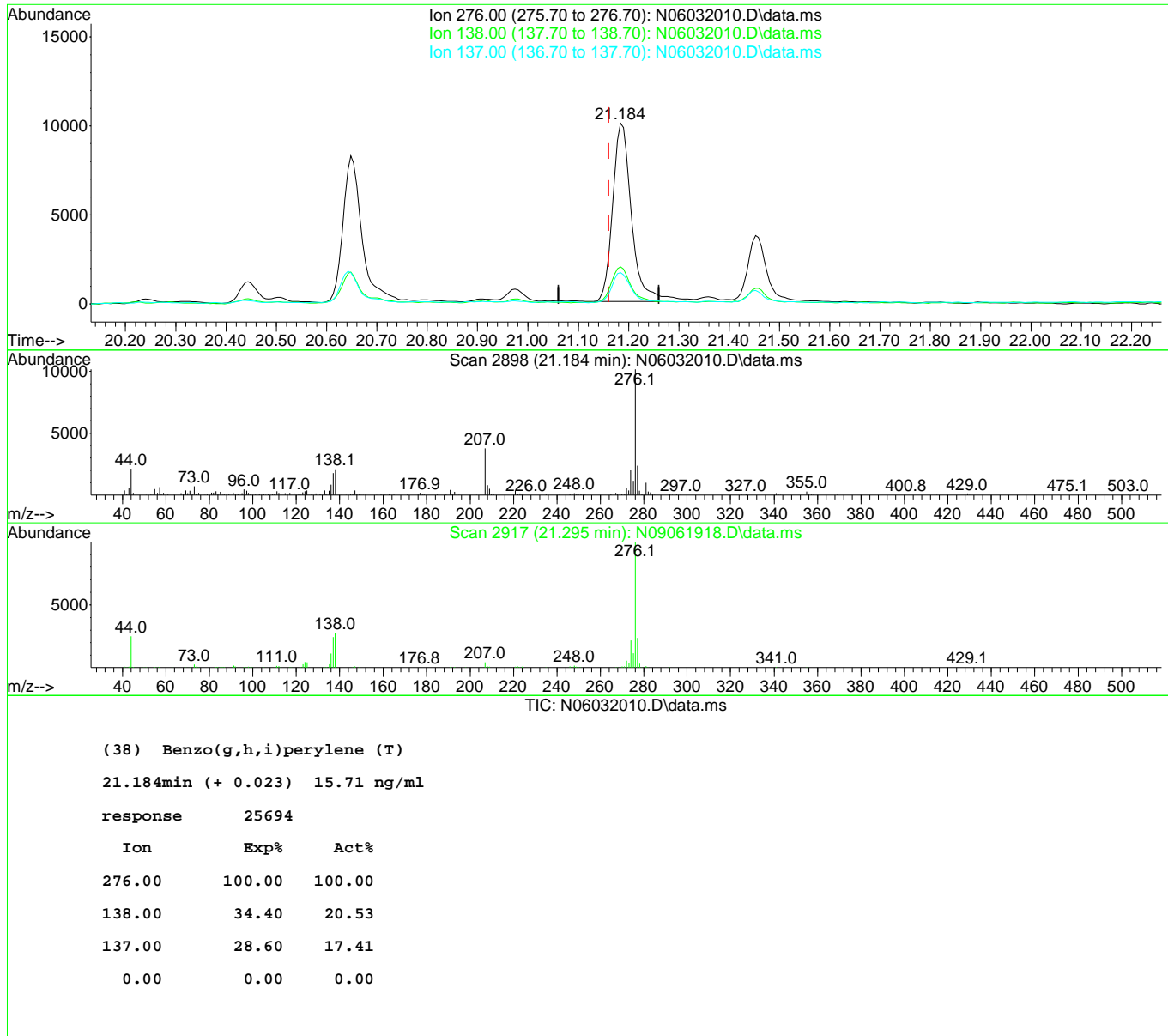
20.648min (+ 0.023) 14.06 ng/ml

response	21442	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	21.49
138.00	31.60	21.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032010.D
 Acq On : 03 Jun 2020 12:59 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 04 12:06:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Data Path : R:\data\2020-06\0F03037\
 Data File : N06032011.D
 Acq On : 03 Jun 2020 01:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060104-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 13:05:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	241011	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	142451	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.066	188	235278	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	199954	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	190117	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.636	292	163119	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.120	82	98	0.13	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.874	172	283	0.13	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	441	0.23	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.825	128	3611	1.38	ng/ml	99
5) 2-Methylnaphthalene	8.513	142	773	0.44	ng/ml	94
6) 1-Methylnaphthalene	8.612	142	333	N.D.		
7) 1,1'-Biphenyl	8.979	154	398	N.D.		
8) 2,6-Dimethylnaphthalene	9.136	156	360	N.D.		
11) Acenaphthylene	9.416	152	9559	3.60	ng/ml	96
12) Acenaphthene	9.591	153	7128	3.66	ng/ml	98
13) Dibenzofuran	9.772	168	477	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.976	170	2313	1.51	ng/ml	88
15) Fluorene	10.115	166	1100	0.59	ng/ml	71
17) Dibenzothiopene	10.966	184	15112	6.36	ng/ml	94
18) Phenanthrene	11.095	178	15631	5.77	ng/ml	97
19) Anthracene	11.147	178	10757	4.85	ng/ml	97
20) Carbazole	11.316	167	333	N.D.		
21) 1-Methylphenanthrene	11.718	192	17995	9.85	ng/ml	99
22) Fluoranthene	12.348	202	154282	57.80	ng/ml	96
24) Pyrene	12.633	202	197529	76.16	ng/ml	99
26) Benz(a)anthracene	14.761	228	39550	19.07	ng/ml	67
27) Chrysene	14.842	228	47584	22.31	ng/ml	97
29) Benzo(b)fluoranthene	17.349	252	38447	19.56	ng/ml	90
30) Benzo(k)fluoranthene	17.407	252	13730m	7.01	ng/ml	
31) Benzo(b+k)fluoranthene	17.349	252	54195	26.22	ng/ml	89
32) Benzo(e)pyrene	17.990	252	25091	12.21	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032011.D
 Acq On : 03 Jun 2020 01:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060104-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 13:05:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

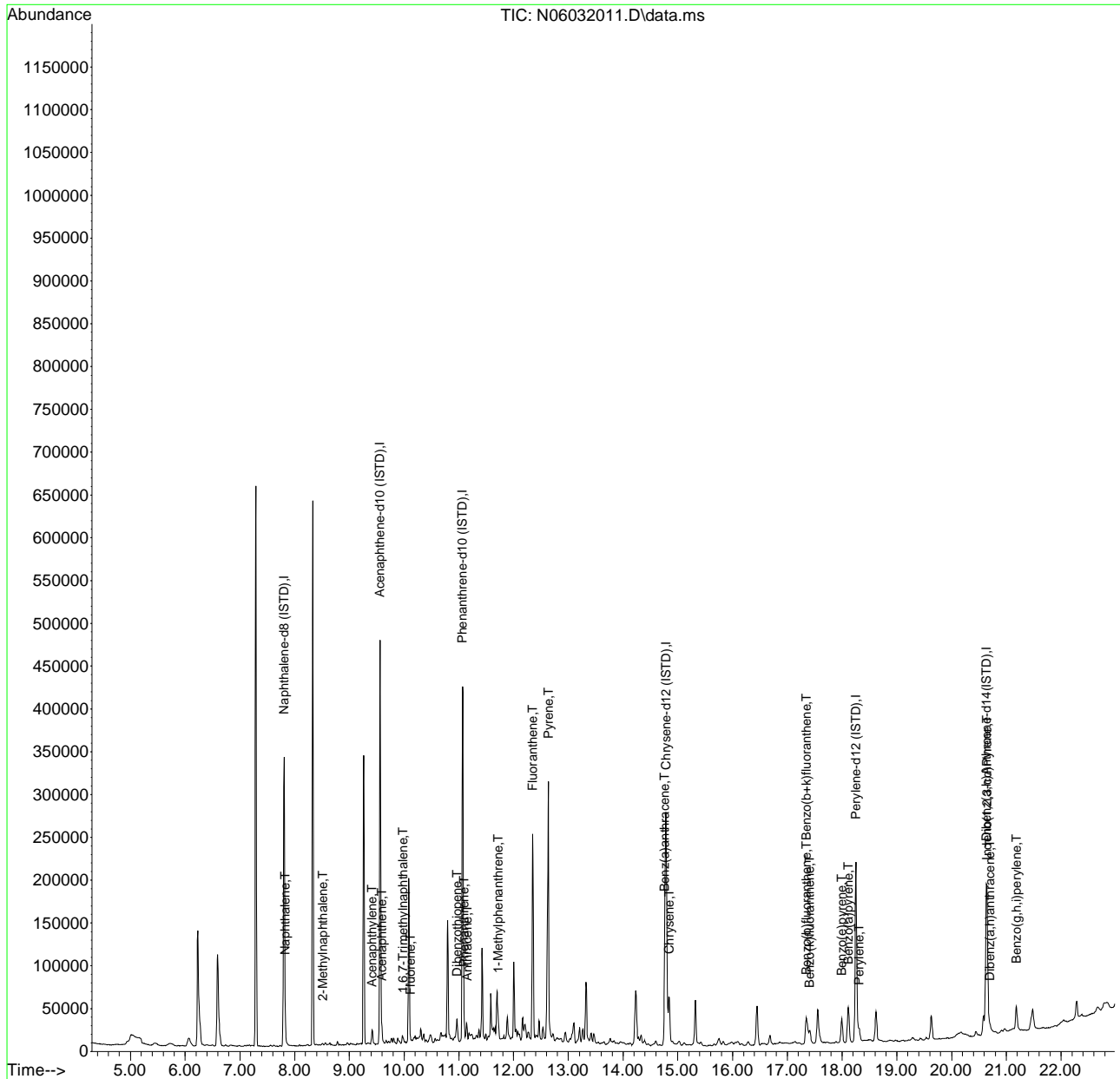
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	37641	24.38	ng/ml	96
34) Perylene	18.311	252	10998	5.20	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.648	276	25159	14.20	ng/ml	77
37) Dibenz(a,h)anthracene	20.700	278	2921	1.63	ng/ml	87
38) Benzo(g,h,i)perylene	21.184	276	30053	15.81	ng/ml	79

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

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032011.D
 Acq On : 03 Jun 2020 01:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060104-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

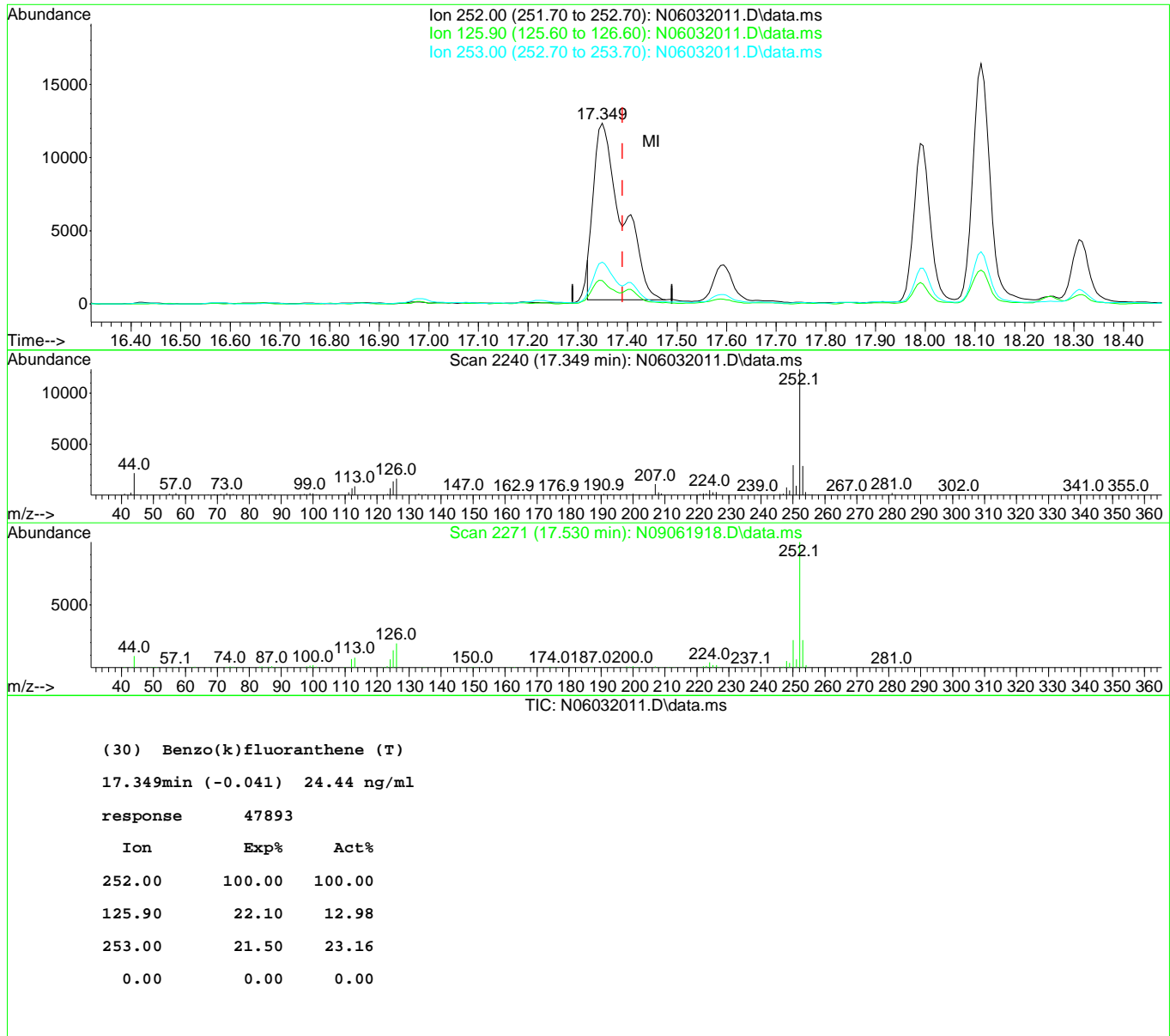
Quant Time: Jun 04 13:05:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032011.D
 Acq On : 03 Jun 2020 01:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060104-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

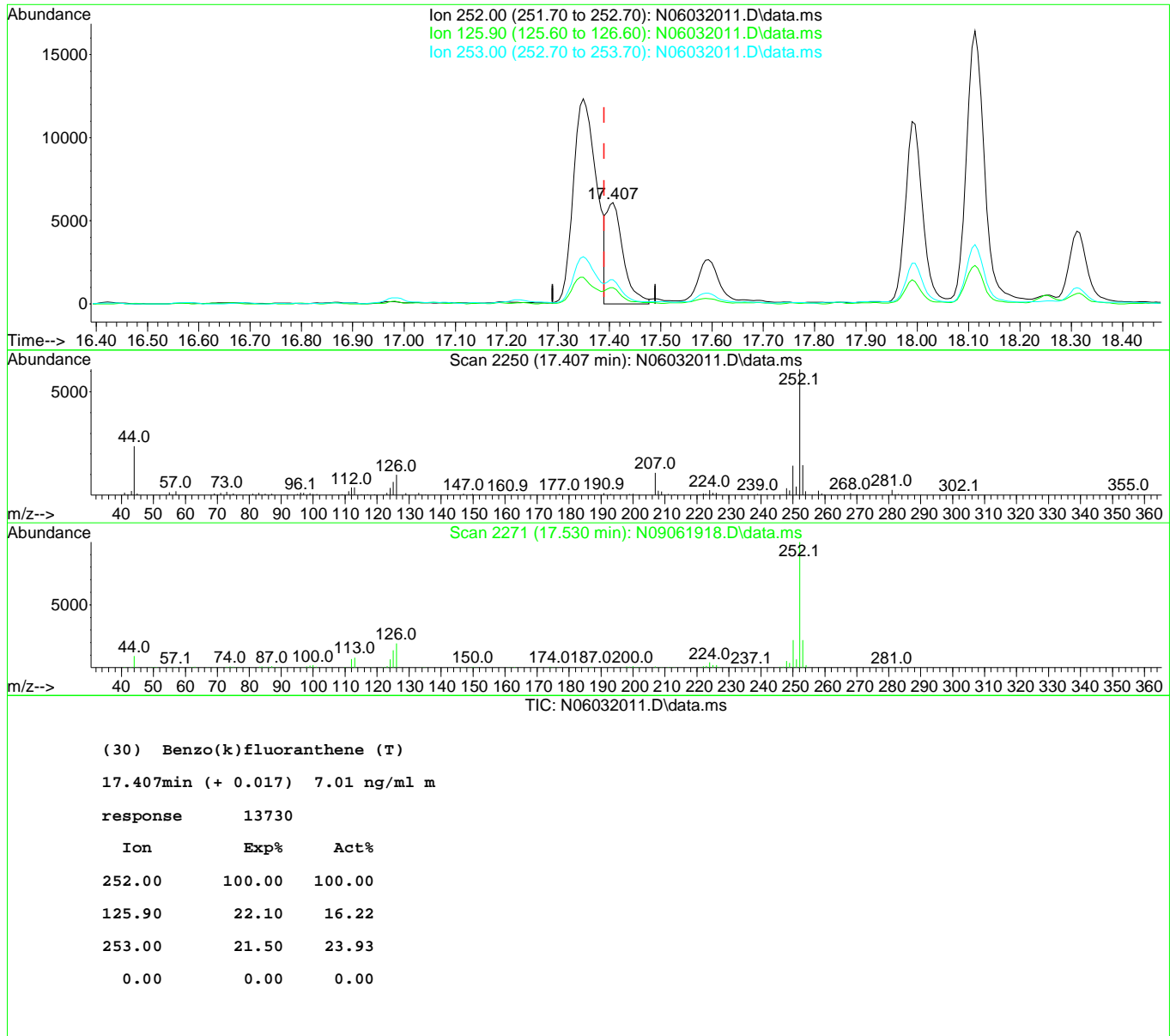
Quant Time: Jun 04 13:04:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032011.D
 Acq On : 03 Jun 2020 01:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060104-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 04 13:04:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032012.D
 Acq On : 03 Jun 2020 02:03 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060090-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 04 13:08:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	210324	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	125663	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	190522	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	150097	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	143109	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.636	292	130829	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.120	82	44904	68.34	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.874	172	140430	72.18	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	134700	92.88	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.358	138	73	0.43	ng/ml#	43
4) Naphthalene	7.831	128	7476	3.26	ng/ml	96
5) 2-Methylnaphthalene	8.513	142	1454	0.95	ng/ml	99
6) 1-Methylnaphthalene	8.612	142	713	0.47	ng/ml	92
7) 1,1'-Biphenyl	8.973	154	723	N.D.		
8) 2,6-Dimethylnaphthalene	9.142	156	470	N.D.		
11) Acenaphthylene	9.422	152	287	N.D.		
12) Acenaphthene	9.591	153	1386	0.81	ng/ml	98
13) Dibenzofuran	9.772	168	270	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.976	170	268	N.D.		
15) Fluorene	10.115	166	747	0.45	ng/ml	75
17) Dibenzothiopene	10.966	184	517	N.D.		
18) Phenanthrene	11.095	178	3912	1.78	ng/ml	95
19) Anthracene	11.147	178	558	N.D.		
20) Carbazole	11.322	167	108	N.D.		
21) 1-Methylphenanthrene	11.718	192	184	N.D.		
22) Fluoranthene	12.348	202	1599	0.74	ng/ml	98
24) Pyrene	12.633	202	1763	0.91	ng/ml	99
26) Benz(a)anthracene	14.773	228	756	0.49	ng/ml	56
27) Chrysene	14.837	228	474	N.D.		
29) Benzo(b)fluoranthene	17.349	252	1107	0.75	ng/ml	74
30) Benzo(k)fluoranthene	17.349	252	1157	0.78	ng/ml	73
31) Benzo(b+k)fluoranthene	17.349	252	1186	0.76	ng/ml	73
32) Benzo(e)pyrene	18.002	252	667	0.43	ng/ml	75

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032012.D
 Acq On : 03 Jun 2020 02:03 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060090-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 04 13:08:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

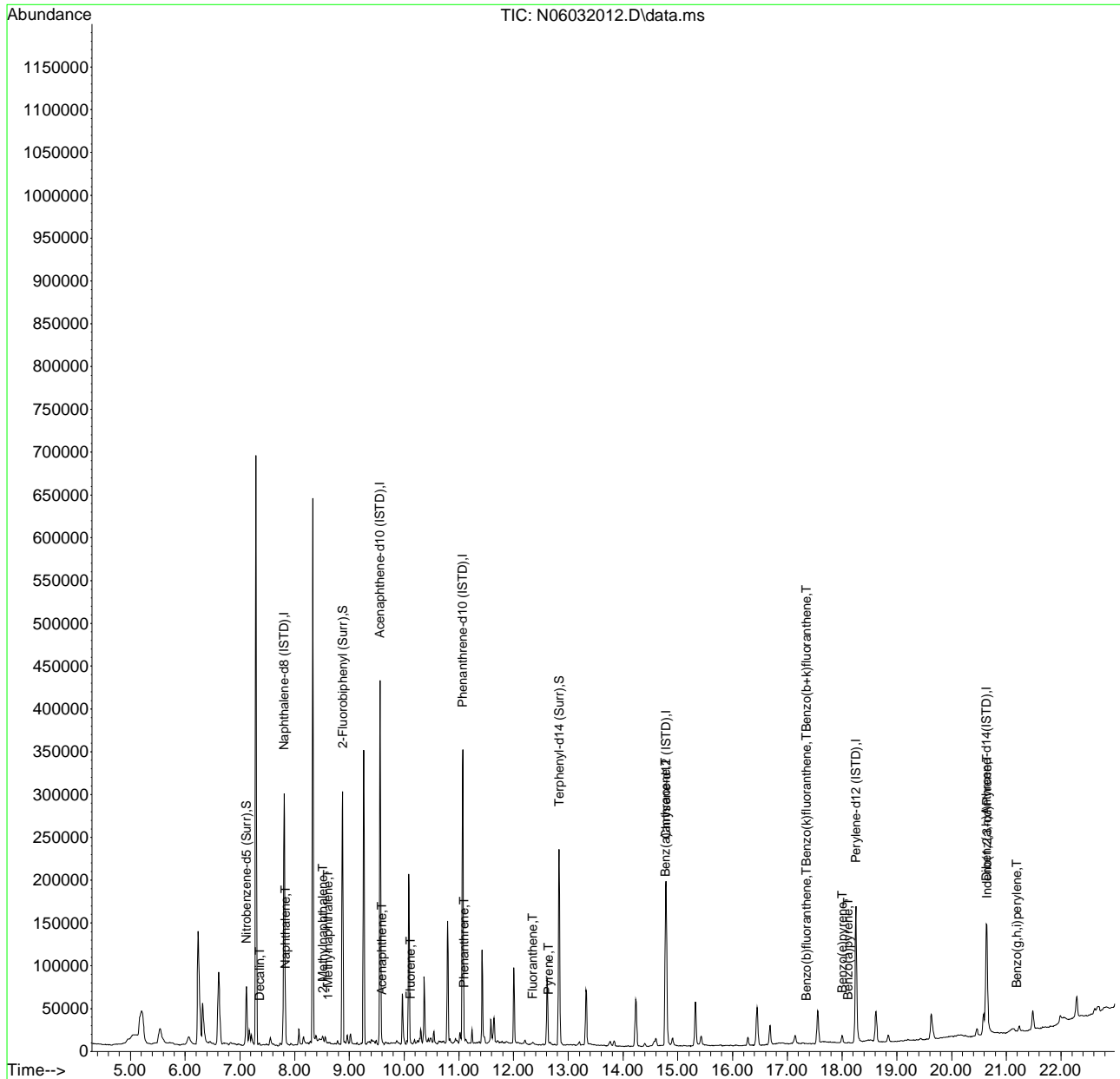
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.107	252	566	0.80	ng/ml	68
34) Perylene	18.311	252	230	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.648	276	839	0.59	ng/ml#	43
37) Dibenz(a,h)anthracene	20.706	278	62	N.D.		
38) Benzo(g,h,i)perylene	21.190	276	858	0.56	ng/ml	91

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F03037\
Data File : N06032012.D
Acq On : 03 Jun 2020 02:03 pm
Operator : JK/ AMS/ DTH
Sample : 0060090-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

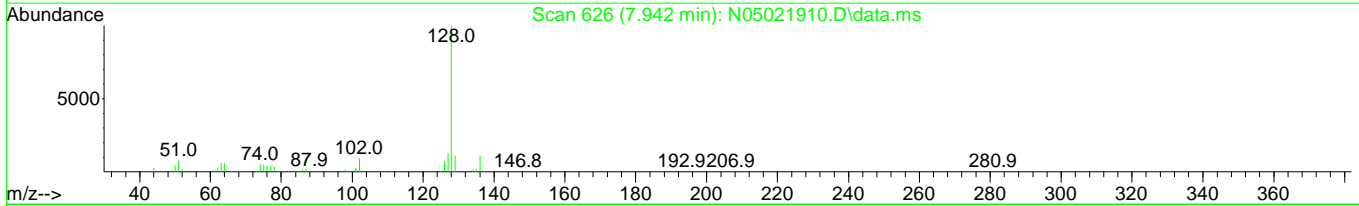
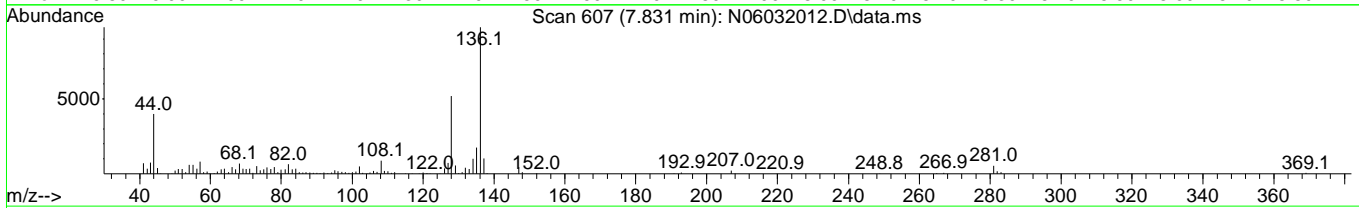
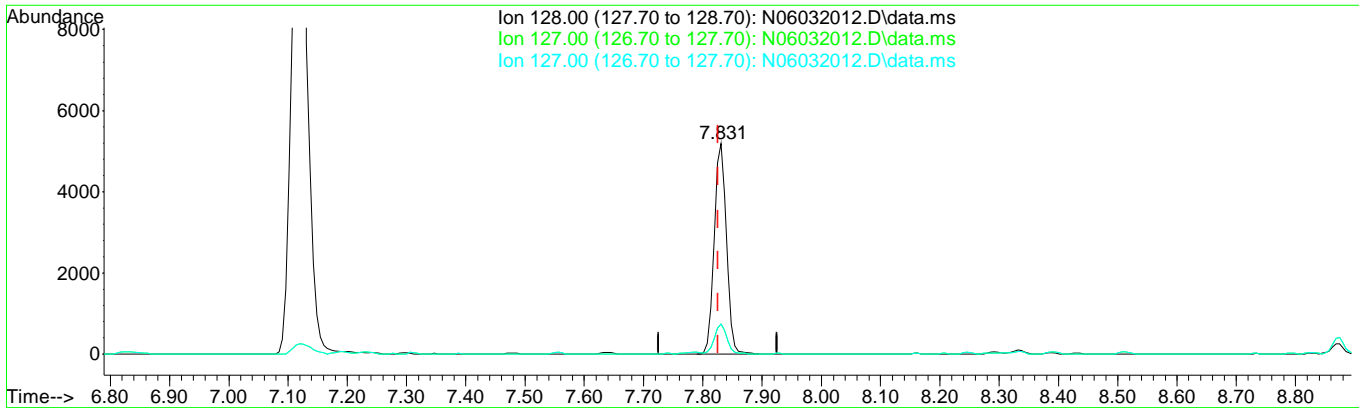
Quant Time: Jun 04 13:08:58 2020
Quant Method : R:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032012.D
 Acq On : 03 Jun 2020 02:03 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060090-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 04 13:08:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06032012.D\data.ms

(4) Naphthalene (T)

7.831min (+ 0.006) 3.26 ng/ml

response	7476	
Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	14.28
127.00	12.60	14.28
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032013.D
 Acq On : 03 Jun 2020 02:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060090-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 13:11:44 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	215858	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	133452	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	220502	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	161085	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	146745	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.636	292	125003	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.114	82	46244	68.58	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	146327	70.82	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	144381	92.76	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.277	138	7878	45.64	ng/ml	84
4) Naphthalene	7.831	128	83368	35.46	ng/ml	99
5) 2-Methylnaphthalene	8.513	142	58248	36.90	ng/ml	96
6) 1-Methylnaphthalene	8.612	142	59669	38.07	ng/ml	96
7) 1,1'-Biphenyl	8.973	154	72833	36.60	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.136	156	54055	39.60	ng/ml	96
11) Acenaphthylene	9.416	152	94052	37.80	ng/ml	99
12) Acenaphthene	9.591	153	66640	36.51	ng/ml	100
13) Dibenzofuran	9.766	168	75667	34.25	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	9.976	170	56188	39.28	ng/ml	98
15) Fluorene	10.116	166	63206	36.01	ng/ml	99
17) Dibenzothiopene	10.967	184	79767	35.80	ng/ml	94
18) Phenanthrene	11.095	178	93210	36.72	ng/ml	99
19) Anthracene	11.141	178	75970	36.55	ng/ml	98
20) Carbazole	11.316	167	56330	31.39	ng/ml	99
21) 1-Methylphenanthrene	11.718	192	68458	40.00	ng/ml	98
22) Fluoranthene	12.348	202	99082	39.61	ng/ml	96
24) Pyrene	12.634	202	101772	48.71	ng/ml	100
26) Benz(a)anthracene	14.761	228	62674	37.52	ng/ml	99
27) Chrysene	14.843	228	64448	37.51	ng/ml	100
29) Benzo(b)fluoranthene	17.343	252	58736	38.72	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	58119	38.43	ng/ml	92
31) Benzo(b+k)fluoranthene	17.343	252	124064	77.77	ng/ml	90
32) Benzo(e)pyrene	17.990	252	60668	38.25	ng/ml	98

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032013.D
 Acq On : 03 Jun 2020 02:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060090-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 13:11:44 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

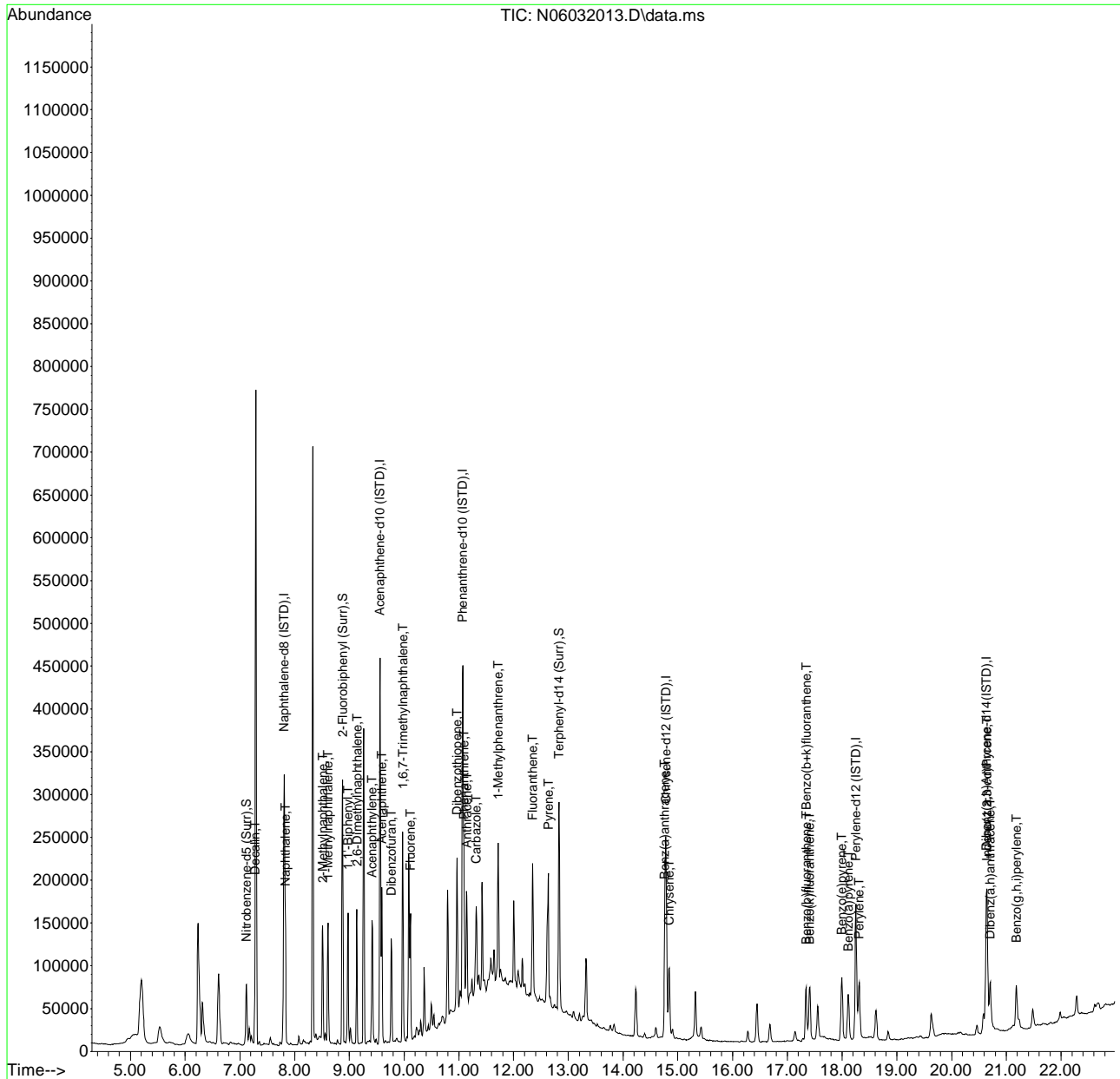
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	47846	39.68	ng/ml	96
34) Perylene	18.311	252	61479	37.64	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.648	276	49479	36.44	ng/ml	77
37) Dibenz(a,h)anthracene	20.706	278	51560	37.66	ng/ml	80
38) Benzo(g,h,i)perylene	21.184	276	52327	35.92	ng/ml	78

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F03037\
 Data File : N06032013.D
 Acq On : 03 Jun 2020 02:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060090-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 04 13:11:44 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



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

Sequence 0F04032 (A0E0668-01)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F04032
Date: 06/04/20 07:57

Instrument: SV-GCMS14
Calibration: A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F04032-TUN1	Water	QC	QC			A20C491	A20F011
2	0F04032-CCV1	Water	QC	QC			A20C491	A20C472
3	0F04032-CCB1	Water	QC	QC			A20C491	
4	0060150-BLK1	Sediment	QC	QC		0060150	A20C491	
5	0060150-BS1	Sediment	QC	QC		0060150	A20C491	
6	A0E0612-15RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/04/20	0060150	A20C491	
7	0060150-DUP1	Sediment	QC	QC		0060150	A20C491	
8	A0E0612-20RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/04/20	0060150	A20C491	
9	0060150-MS1	Sediment	QC	QC		0060150	A20C491	
10	A0E0668-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/05/20	0060104	A20C491	
11	0060165-BLK1	Sediment	QC	QC		0060165	A20C491	
12	0060165-BS1	Sediment	QC	QC		0060165	A20C491	
13	A0E0672-24	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	06/05/20	0060165	A20C491	
14	0060165-DUP1	Sediment	QC	QC		0060165	A20C491	

Comments:

Data Entered By/Date: HML, 06/05/20

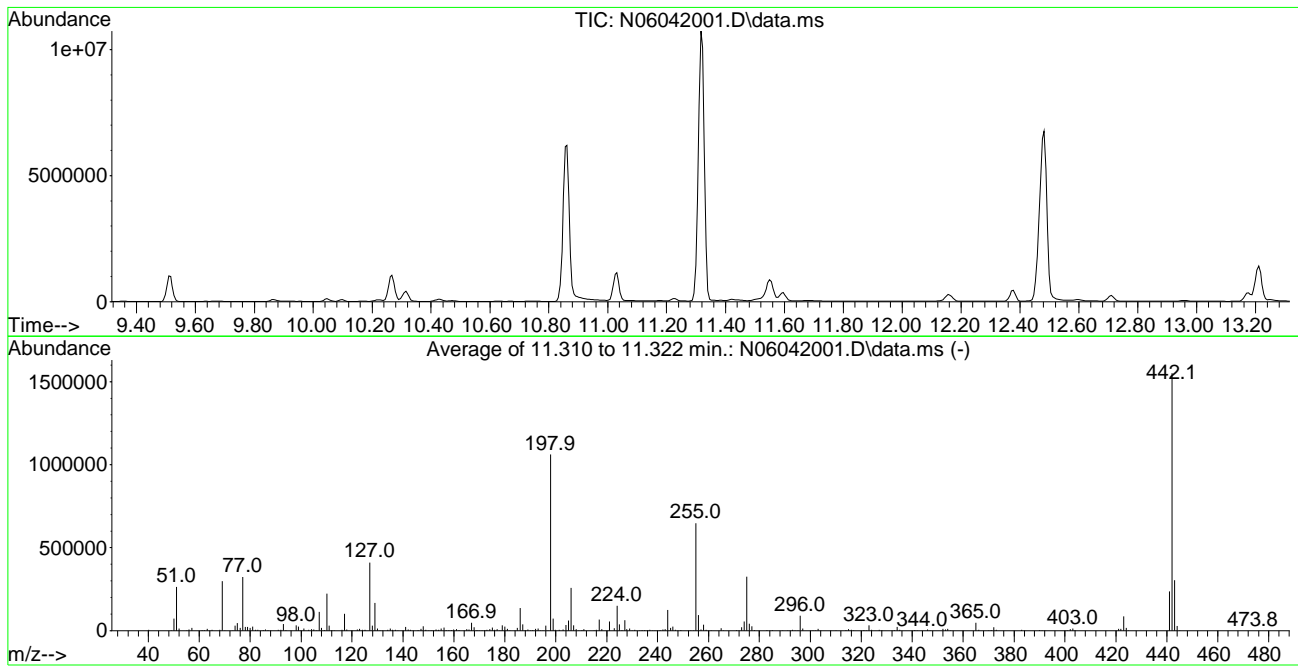
Data Reviewed By/Date: JK 6/5/20

6/5/2020 10:57:16AM

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042001.D
 Acq On : 04 Jun 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : R:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Tue Jun 02 15:33:25 2020



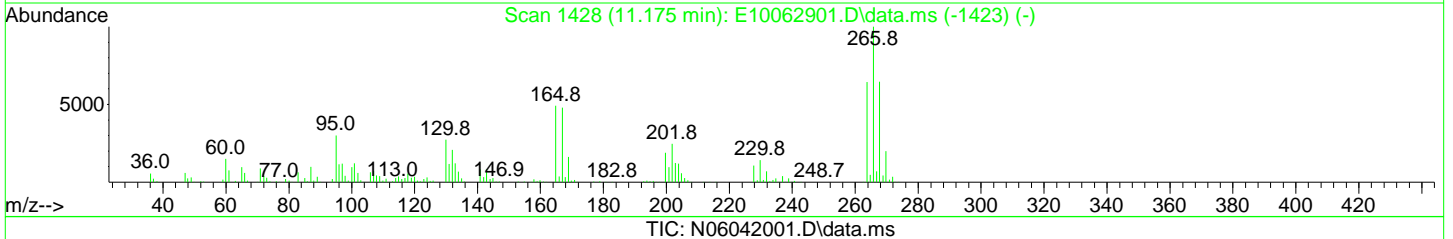
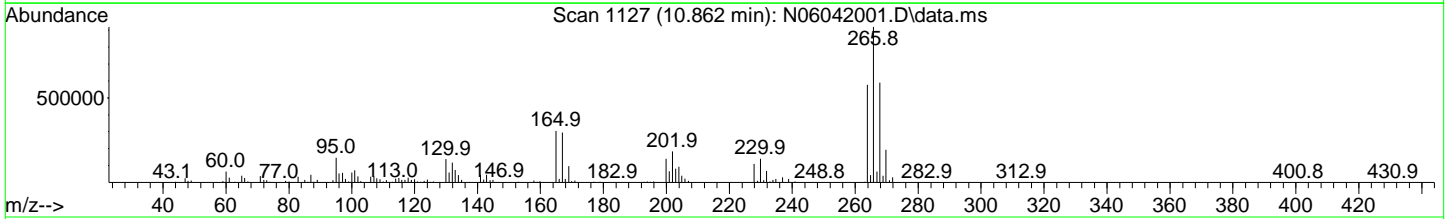
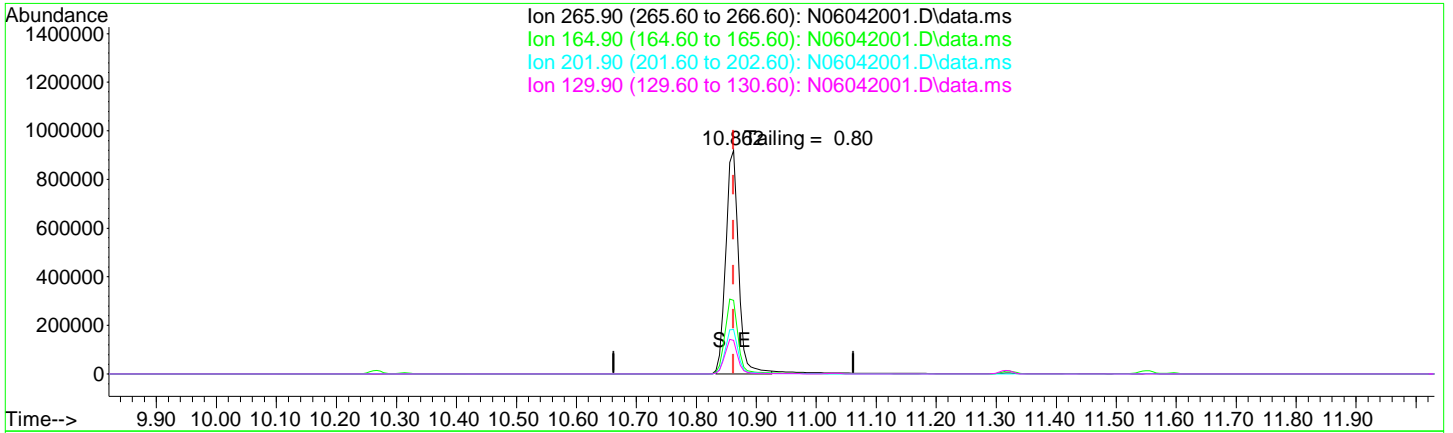
AutoFind: Scans 1204, 1205, 1206; Background Corrected with Scan 1198

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	5197	PASS
69	69	100	100	100.0	297950	PASS
70	69	0.00	2	0.5	1462	PASS
197	198	0.00	2	0.2	1675	PASS
198	198	100	100	100.0	1061225	PASS
199	198	5	9	6.8	72466	PASS
365	198	1	100	4.5	47608	PASS
441	443	0.01	150	78.3	237867	PASS
442	198	0.10	200	146.3	1552555	PASS
443	442	15	24	19.6	303701	PASS

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042001.D
 Acq On : 04 Jun 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 09:15:08 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration



TIC: N06042001.D\data.ms

(4) Pentachlorophenol

10.862min (+ 0.000) 47.77 ug/mL

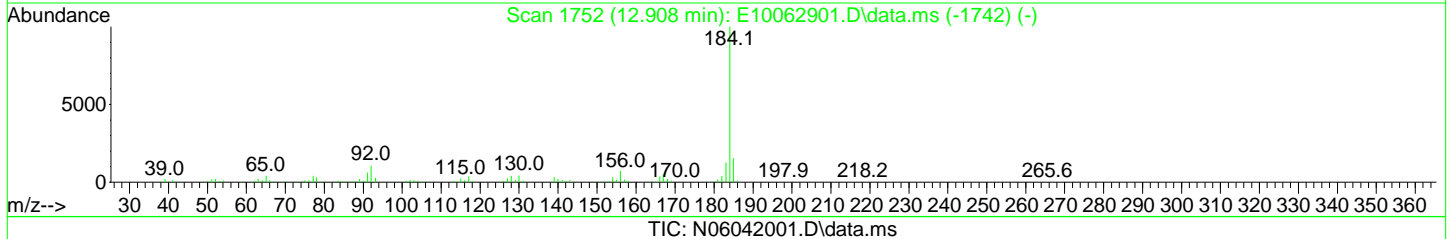
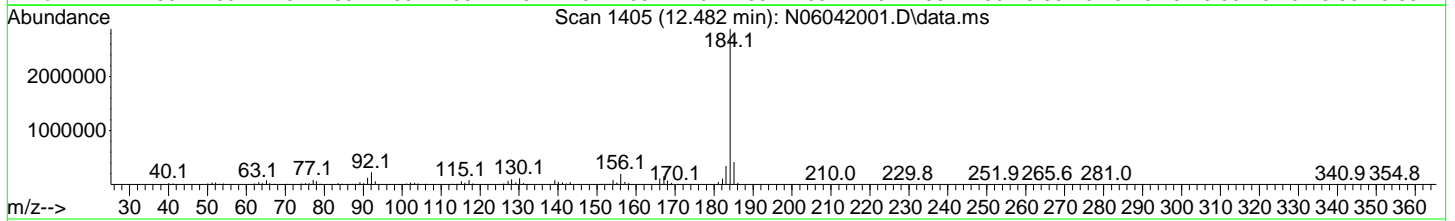
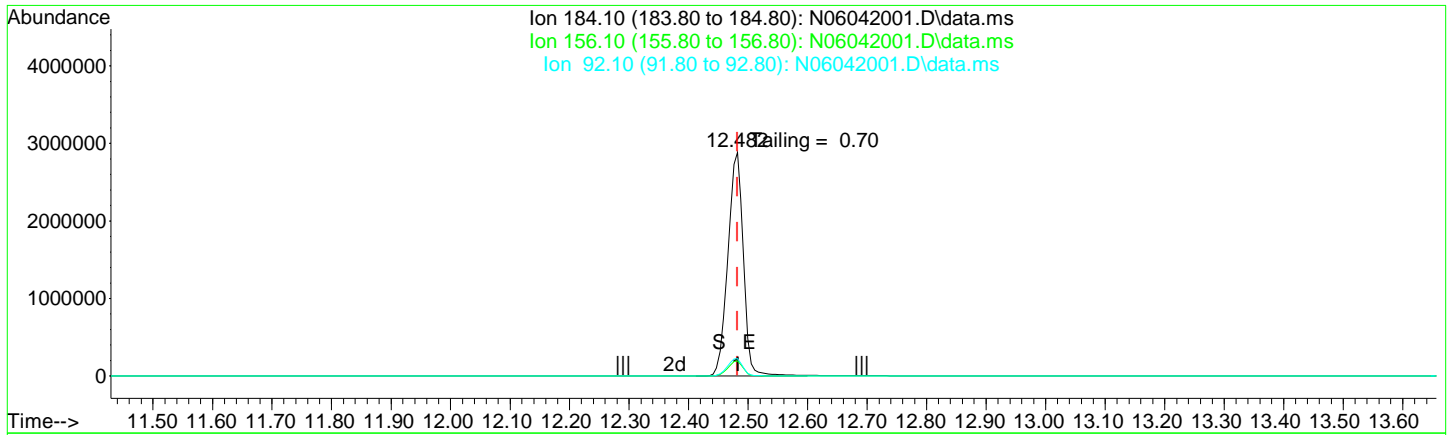
response 1409384

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	33.02
201.90	25.80	20.01
129.90	27.30	14.98

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042001.D
 Acq On : 04 Jun 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 09:15:08 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration



TIC: N06042001.D\data.ms

(7) Benzidine

12.482min (+ 0.000) 24.11 ug/mL

response 5201065

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.82
92.10	8.20	7.68
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:

0F04032-TUN1

SV-GCMS14

First Column Area Counts	Percent Breakdown	
DDE	336655	
DDD	2107641	
DDT	14927125	14.07 PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042001.D
 Acq On : 04 Jun 2020 08:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 09:15:08 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

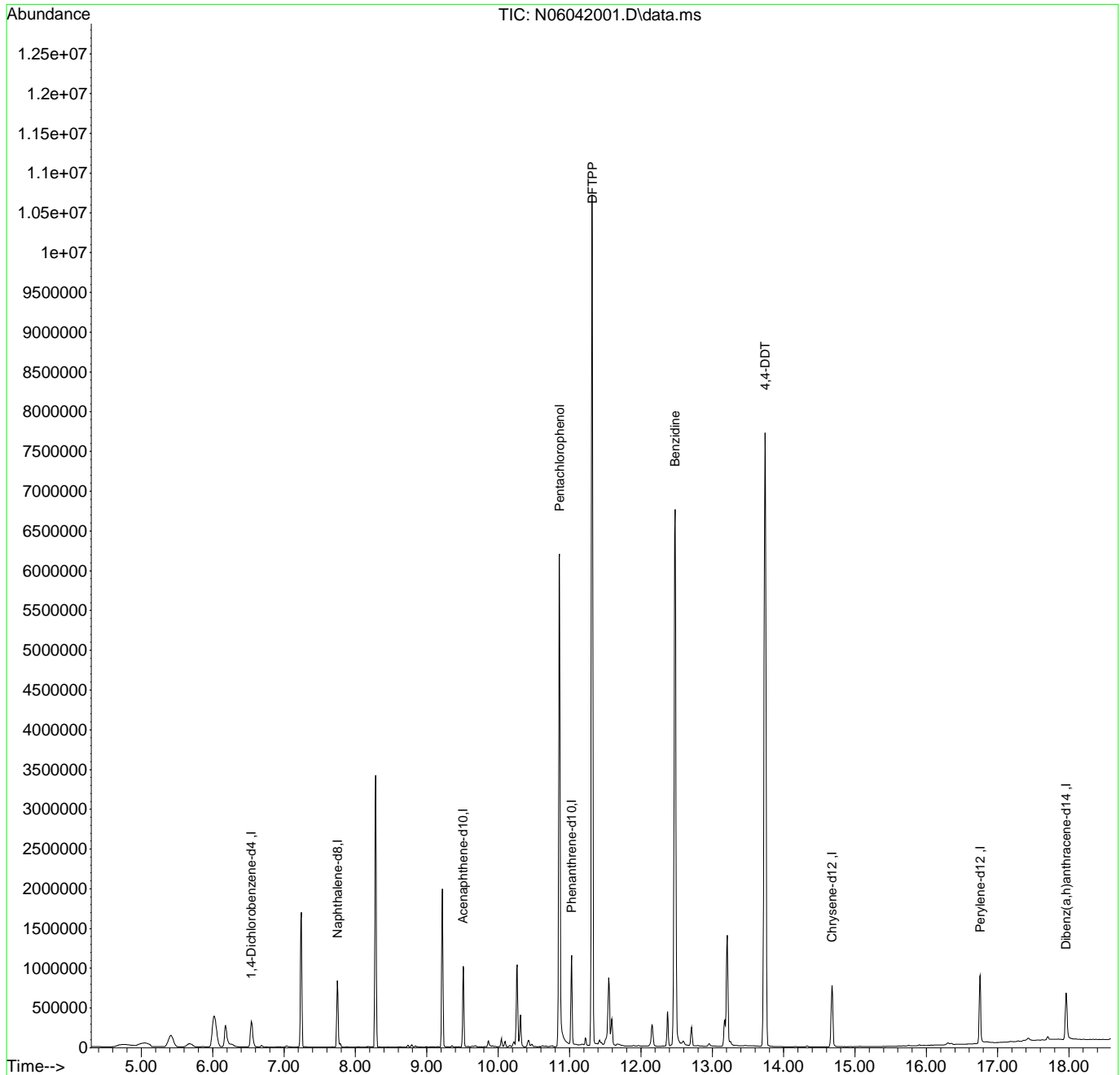
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.543	150	209200	2.00	ug/mL	0.00
2) Naphthalene-d8	7.749	136	566766	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.509	162	312405	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.031	188	606340	2.00	ug/mL	0.00
11) Chrysene-d12	14.679	240	523386	2.00	ug/mL	0.00
12) Perylene-d12	16.754	264	506866	2.00	ug/mL	0.01
13) Dibenz(a,h)anthracene-...	17.961	292	456788	2.00	ug/mL	# 0.01
Target Compounds						Qvalue
4) Pentachlorophenol	10.862	266	1409384	47.77	ug/mL	79
6) DFTPP	11.322	442	2567052	52.44	ug/mL#	63
7) Benzidine	12.482	184	5201065	24.11	ug/mL	97
8) 4,4-DDE	12.709	TIC	336655	No Calib		
9) 4,4-DDD	13.211	TIC	2107641	No Calib		
10) 4,4-DDT	13.741	TIC	14927125	24.01	ug/mL	94

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

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04032\
Data File : N06042001.D
Acq On : 04 Jun 2020 08:10 am
Operator : JK/ AMS/ DTH
Sample : 0F04032-TUN1
Misc : 1x, A20F011 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 09:15:08 2020
Quant Method : R:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Tue Jun 02 15:33:25 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ATML 06/05/20

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042002.D
 Acq On : 04 Jun 2020 08:37 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 09:02:40 2020
 Quant Method : C:\GCMS\1\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 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	81	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	49.254	1.5	82	0.00
3 T	Decalin	50.000	56.561	-13.1	97	0.00
4 T	Naphthalene	50.000	48.785	2.4	81	0.00
5 T	2-Methylnaphthalene	50.000	49.238	1.5	79	0.00
6 T	1-Methylnaphthalene	50.000	48.744	2.5	78	0.00
7 T	1,1'-Biphenyl	50.000	47.314	5.4	77	0.00
8 T	2,6-Dimethylnaphthalene	50.000	50.259	-0.5	81	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	79	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	49.196	1.6	78	0.00
11 T	Acenaphthylene	50.000	51.814	-3.6	79	0.00
12 T	Acenaphthene	50.000	49.798	0.4	79	0.00
13 T	Dibenzofuran	50.000	49.899	0.2	79	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	50.988	-2.0	82	0.00
15 T	Fluorene	50.000	51.010	-2.0	83	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	83	0.00
17 T	Dibenzothiopene	50.000	49.700	0.6	82	0.00
18 T	Phenanthrene	50.000	48.108	3.8	82	0.00
19 T	Anthracene	50.000	52.919	-5.8	87	0.00
20 T	Carbazole	50.000	47.603	4.8	75	0.01
21 T	1-Methylphenanthrene	50.000	53.795	-7.6	87	0.00
22 T	Fluoranthene	50.000	54.121	-8.2	89	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	77	0.02
24 T	Pyrene	50.000	53.459	-6.9	86	0.00
25 S	Terphenyl-d14 (Surr)	50.000	52.868	-5.7	82	0.00
26 T	Benz(a)anthracene	50.000	51.176	-2.4	83	0.01
27 T	Chrysene	50.000	47.973	4.1	75	0.01
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	74	0.02
29 T	Benzo(b)fluoranthene	50.000	51.152	-2.3	78	0.02
30 T	Benzo(k)fluoranthene	50.000	51.411	-2.8	76	0.02

Evaluate Continuing Calibration Report

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042002.D
 Acq On : 04 Jun 2020 08:37 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 09:02:40 2020
 Quant Method : C:\GCMS\1\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
31 T	Benzo(b+k)fluoranthene	100.000	102.060	-2.1	77	-0.04
32 T	Benzo(e)pyrene	50.000	49.175	1.7	75	0.02
33 T	Benzo(a)pyrene	50.000	55.324	-10.6	77	0.02
34 T	Perylene	50.000	51.385	-2.8	70	0.02
35 I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	73	0.02
36 T	Indeno(1,2,3-cd)Pyrene	50.000	49.932	0.1	74	0.03
37 T	Dibenz(a,h)anthracene	50.000	51.037	-2.1	75	0.02
38 T	Benzo(g,h,i)perylene	50.000	49.318	1.4	71	0.03

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042002.D
 Acq On : 04 Jun 2020 08:37 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:22:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.802	136	214086	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.562	162	116154	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.071	188	201884	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.784	240	184579	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.258	264	172490	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthrcene-d...	20.642	292	140134	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.108	82	32940	49.25	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.874	172	88469	49.20	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.832	244	94287	52.87	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.271	138	9682	56.56	ng/ml		91
4) Naphthalene	7.825	128	113756	48.79	ng/ml		100
5) 2-Methylnaphthalene	8.513	142	77090	49.24	ng/ml		96
6) 1-Methylnaphthalene	8.612	142	75775	48.74	ng/ml		96
7) 1,1'-Biphenyl	8.973	154	93370	47.31	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.136	156	68040	50.26	ng/ml		97
11) Acenaphthylene	9.416	152	112224	51.81	ng/ml		99
12) Acenaphthene	9.591	153	79120	49.80	ng/ml		99
13) Dibenzofuran	9.766	168	95959	49.90	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	9.976	170	63481	50.99	ng/ml		99
15) Fluorene	10.116	166	77927	51.01	ng/ml		99
17) Dibenzothiopene	10.966	184	101397	49.70	ng/ml		94
18) Phenanthrene	11.095	178	111793	48.11	ng/ml		99
19) Anthracene	11.147	178	100711	52.92	ng/ml		99
20) Carbazole	11.316	167	78212	47.60	ng/ml		99
21) 1-Methylphenanthrene	11.718	192	84299	53.80	ng/ml		97
22) Fluoranthene	12.348	202	123950	54.12	ng/ml		96
24) Pyrene	12.633	202	127984	53.46	ng/ml		99
26) Benz(a)anthracene	14.761	228	97958	51.18	ng/ml		99
27) Chrysene	14.843	228	94443	47.97	ng/ml		100
29) Benzo(b)fluoranthene	17.349	252	91213	51.15	ng/ml		92
30) Benzo(k)fluoranthene	17.413	252	91390	51.41	ng/ml		91
31) Benzo(b+k)fluoranthene	17.349	252	191370	102.06	ng/ml		90
32) Benzo(e)pyrene	17.996	252	91688	49.18	ng/ml		97

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042002.D
 Acq On : 04 Jun 2020 08:37 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:22:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

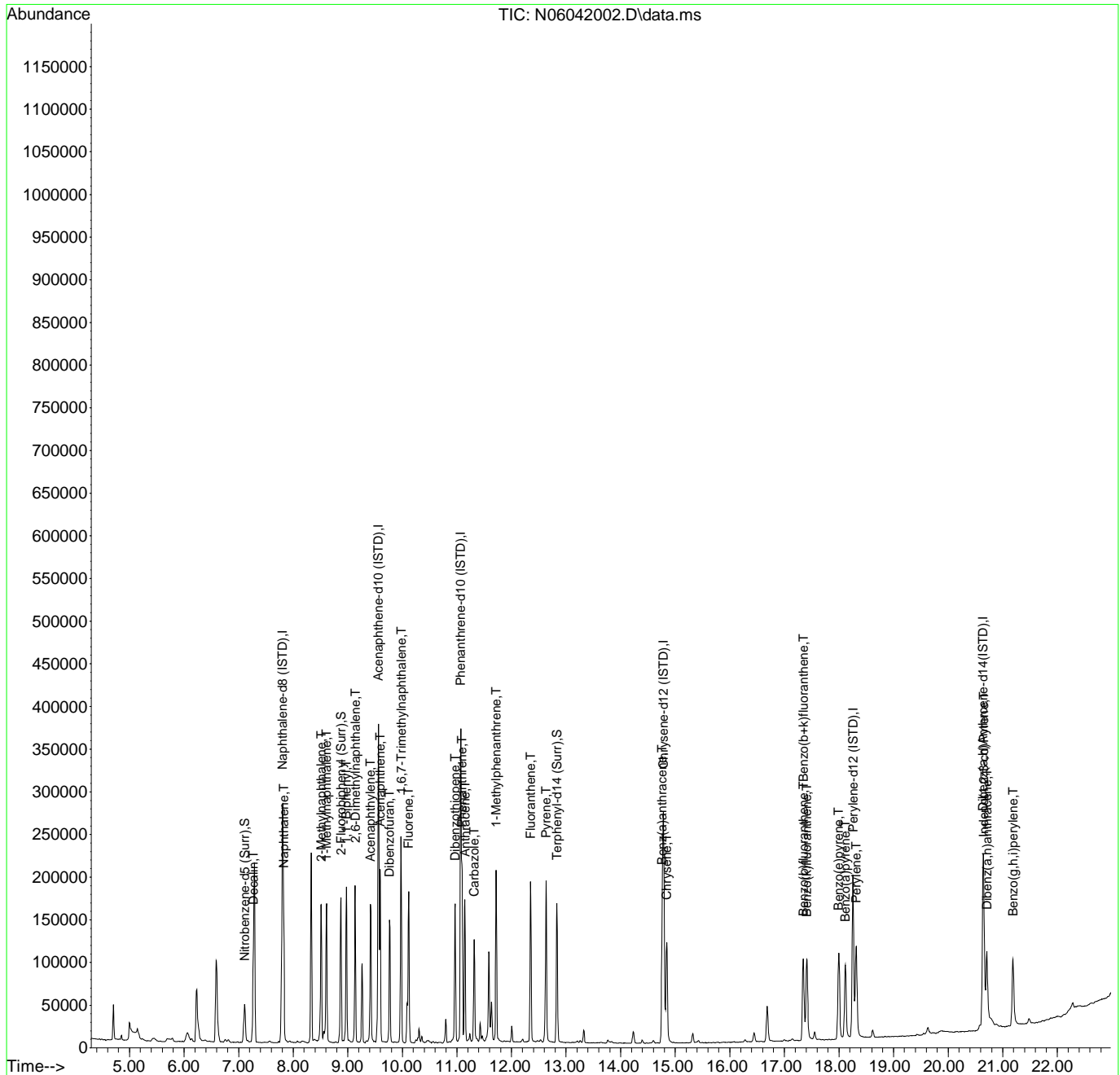
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.118	252	79158	55.32	ng/ml	94
34) Perylene	18.316	252	98654	51.39	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.654	276	76009	49.93	ng/ml	76
37) Dibenz(a,h)anthracene	20.712	278	78340	51.04	ng/ml	79
38) Benzo(g,h,i)perylene	21.190	276	80533	49.32	ng/ml	78

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042002.D
 Acq On : 04 Jun 2020 08:37 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 09:22:20 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



AML 06/05/20

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042003.D
 Acq On : 04 Jun 2020 09:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:33:26 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.801	136	226671	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.562	162	114816	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.071	188	192660	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.784	240	195373	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.252	264	182801	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthracene-d...	20.642	292	151066	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.085	82	71	0.10	ng/ml	-0.02	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
25) Terphenyl-d14 (Surr)	12.832	244	131	0.07	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.831	128	213		N.D.		
5) 2-Methylnaphthalene	8.513	142	55		N.D.		
6) 1-Methylnaphthalene	8.617	142	56		N.D.		
7) 1,1'-Biphenyl	8.979	154	76		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
11) Acenaphthylene	9.422	152	70		N.D.		
12) Acenaphthene	0.000		0		N.D.		
13) Dibenzofuran	0.000		0		N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.		
15) Fluorene	0.000		0		N.D.		
17) Dibenzothiopene	0.000		0		N.D.		
18) Phenanthrene	11.066	178	114		N.D.		
19) Anthracene	0.000		0		N.D.		
20) Carbazole	11.584	167	325		N.D.		
21) 1-Methylphenanthrene	0.000		0		N.D.		
22) Fluoranthene	0.000		0		N.D.		
24) Pyrene	12.633	202	64		N.D.		
26) Benz(a)anthracene	14.784	228	466		N.D.		
27) Chrysene	14.784	228	432		N.D.		
29) Benzo(b)fluoranthene	0.000		0		N.D.		
30) Benzo(k)fluoranthene	0.000		0		N.D.		
31) Benzo(b+k)fluoranthene	0.000		0		N.D.		
32) Benzo(e)pyrene	18.252	252	551		N.D.		

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042003.D
 Acq On : 04 Jun 2020 09:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0F04032-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:33:26 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

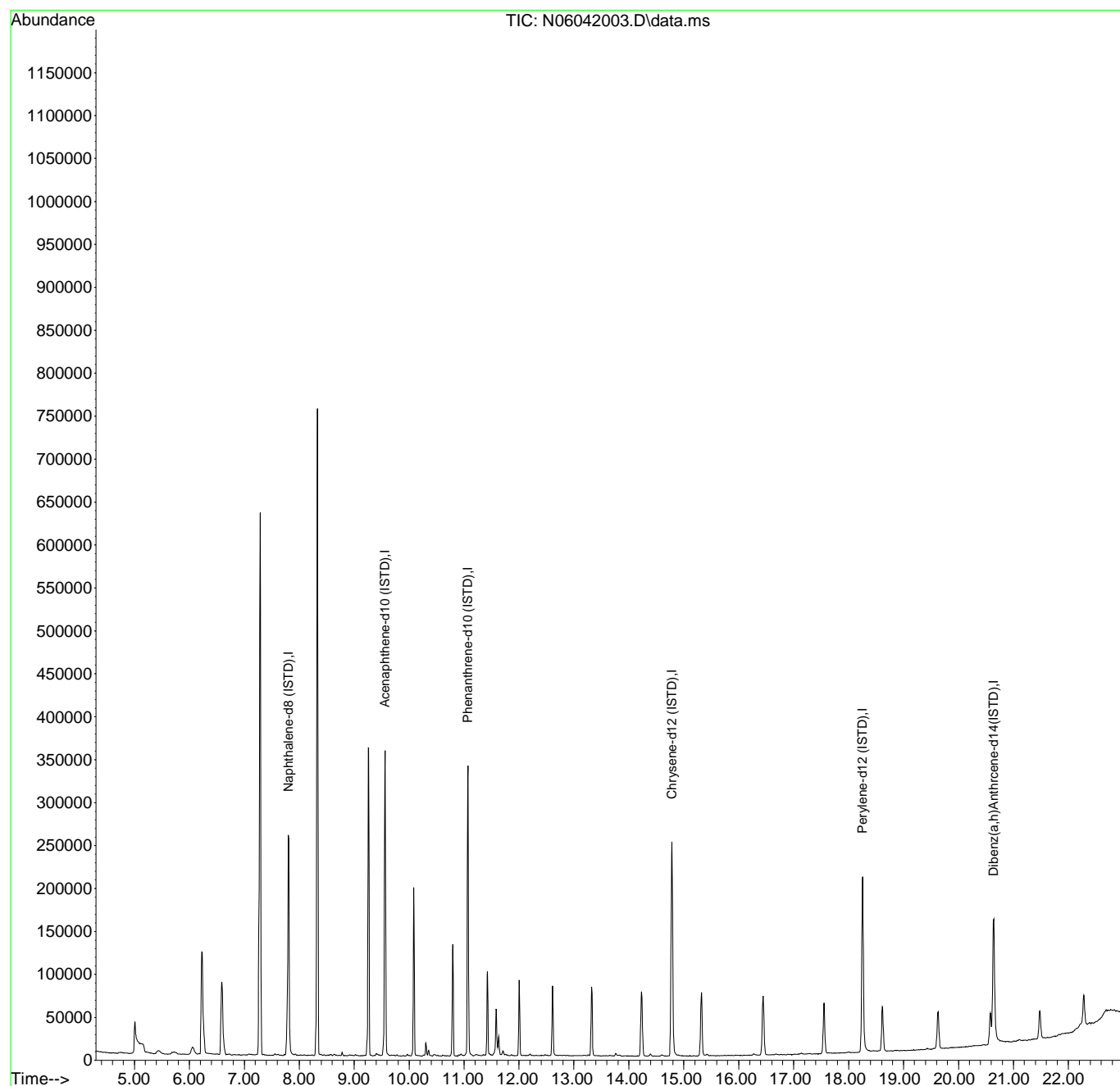
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	0.000		0			N.D.
34) Perylene	18.252	252	719			N.D.
36) Indeno(1,2,3-cd)Pyrene	20.648	276	65			N.D.
37) Dibenz(a,h)anthracene	0.000		0			N.D.
38) Benzo(g,h,i)perylene	0.000		0			N.D.

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
Data File : N06042003.D
Acq On : 04 Jun 2020 09:10 am
Operator : JK/ AMS/ DTH
Sample : 0F04032-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 09:33:26 2020
Quant Method : R:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



Data Path : R:\data\2020-06\0F04032\
 Data File : N06042004.D
 Acq On : 04 Jun 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0060150-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

BO2

Quant Time: Jun 05 09:36:30 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.801	136	215056	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	109965	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.066	188	167738	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	167504	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	167115	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.636	292	142694	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	51086	76.04	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.868	172	134558	79.04	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	150074	92.73	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0		N.D.	Qvalue
4) Naphthalene	7.825	128	2641	1.13	ng/ml	86
5) 2-Methylnaphthalene	8.507	142	3356	2.13	ng/ml	99
6) 1-Methylnaphthalene	8.606	142	1381	0.88	ng/ml	96
7) 1,1'-Biphenyl	8.973	154	752		N.D.	
8) 2,6-Dimethylnaphthalene	9.142	156	868	0.64	ng/ml	95
11) Acenaphthylene	9.416	152	741		N.D.	
12) Acenaphthene	9.591	153	991	0.66	ng/ml	97
13) Dibenzofuran	9.766	168	469		N.D.	
14) 1,6,7-Trimethylnaphtha...	9.976	170	287		N.D.	
15) Fluorene	10.115	166	961	0.66	ng/ml	80
17) Dibenzothiopene	10.961	184	731	0.43	ng/ml	92
18) Phenanthrene	11.089	178	6320	3.27	ng/ml	BO2 97
19) Anthracene	11.147	178	1391	0.88	ng/ml	95
20) Carbazole	11.316	167	220		N.D.	
21) 1-Methylphenanthrene	11.712	192	691	0.53	ng/ml	94
22) Fluoranthene	12.348	202	3475	1.83	ng/ml	98
24) Pyrene	12.633	202	3842	1.77	ng/ml	97
26) Benz(a)anthracene	14.767	228	1436	0.83	ng/ml#	44
27) Chrysene	14.837	228	1383	0.77	ng/ml	94
29) Benzo(b)fluoranthene	17.349	252	1319	0.76	ng/ml	88
30) Benzo(k)fluoranthene	17.349	252	1847	1.07	ng/ml	87
31) Benzo(b+k)fluoranthene	17.349	252	1912	1.05	ng/ml	87
32) Benzo(e)pyrene	17.996	252	975	0.54	ng/ml#	60

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042004.D
 Acq On : 04 Jun 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0060150-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:36:30 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

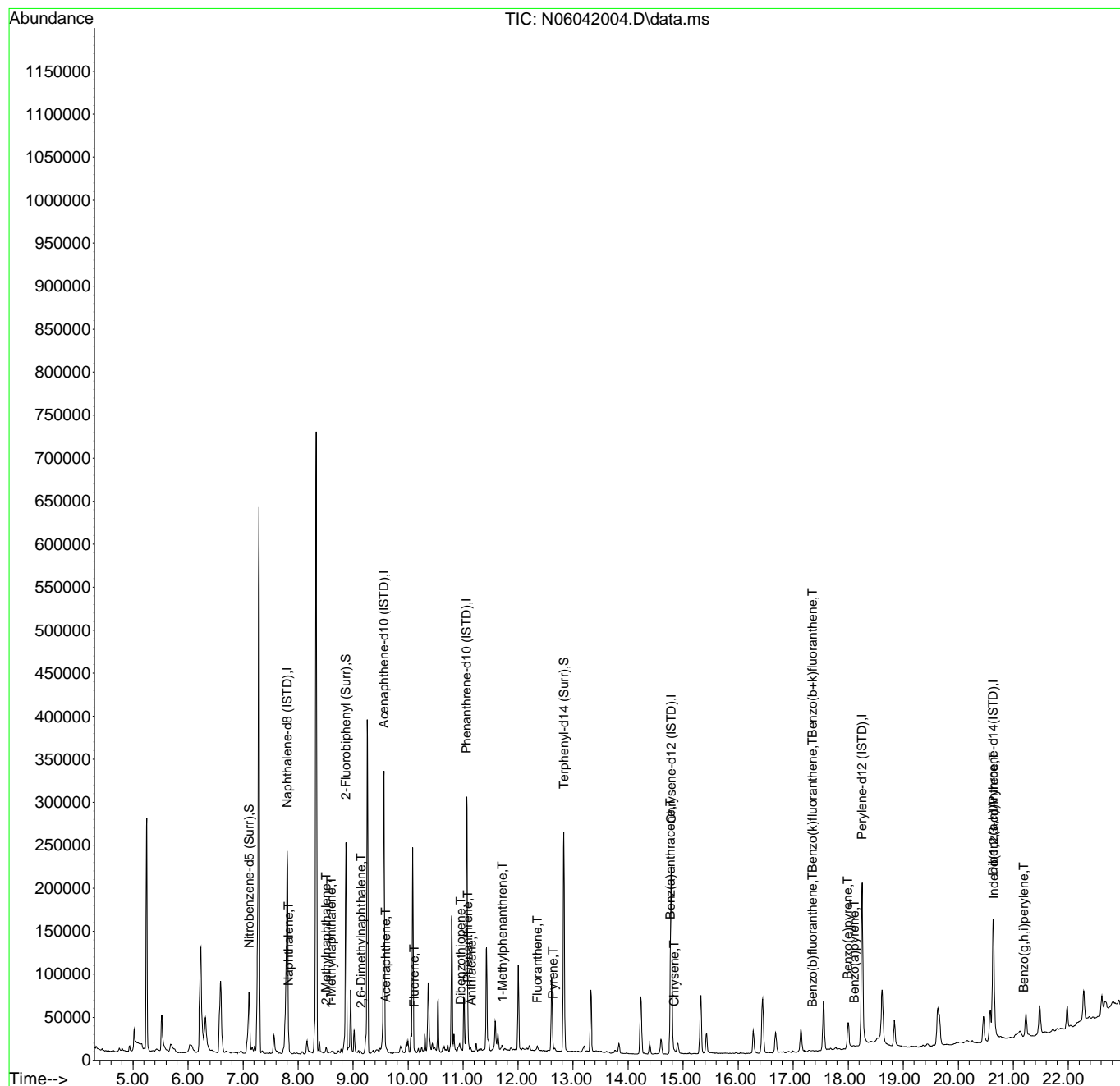
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	723	0.84	ng/ml	74
34) Perylene	18.310	252	343	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.648	276	1020	0.66	ng/ml	70
37) Dibenz(a,h)anthracene	20.700	278	123	N.D.		
38) Benzo(g,h,i)perylene	21.190	276	956	0.57	ng/ml	81

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042004.D
 Acq On : 04 Jun 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0060150-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

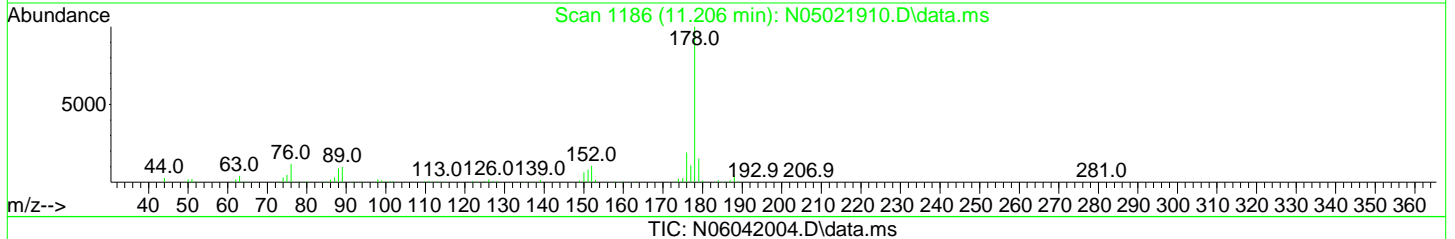
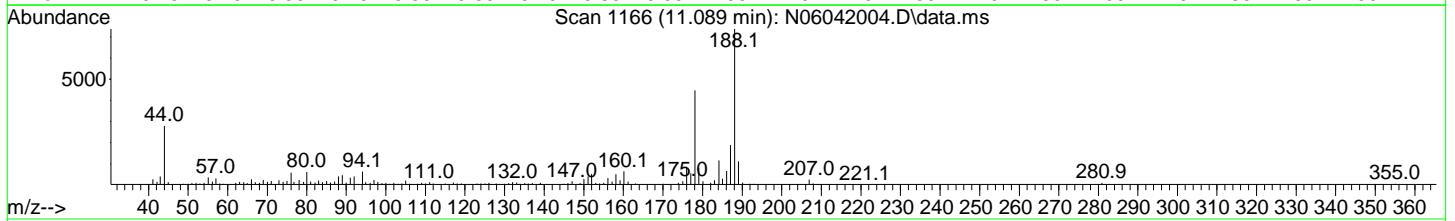
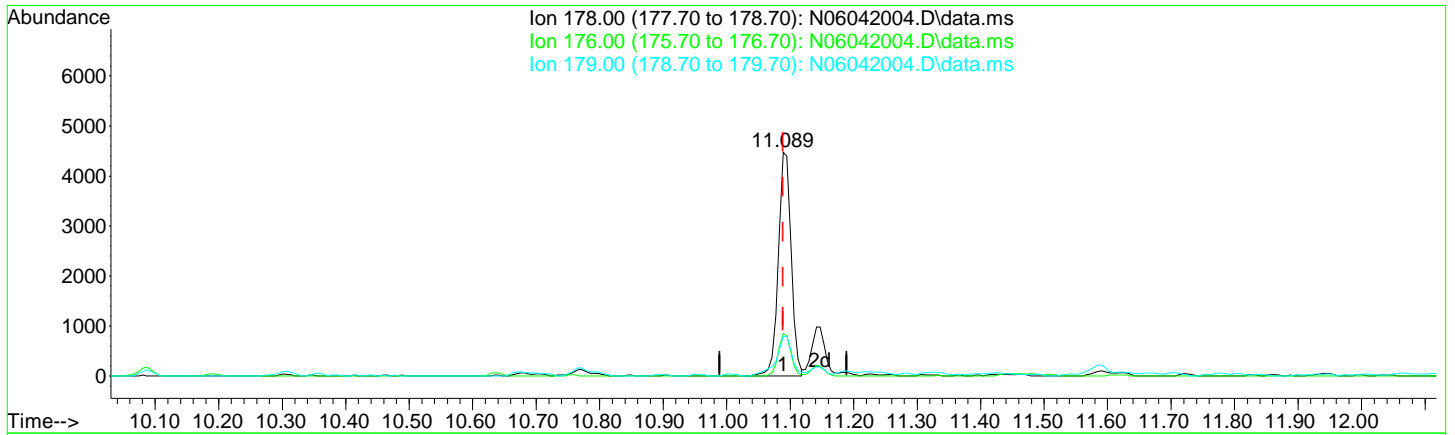
Quant Time: Jun 05 09:36:30 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042004.D
 Acq On : 04 Jun 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0060150-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 09:36:30 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042004.D\data.ms

(18) Phenanthrene (T)

11.089min (-0.000) 3.27 ng/ml

response 6320

BO2

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.98
179.00	15.10	17.57
0.00	0.00	0.00

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042005.D
 Acq On : 04 Jun 2020 10:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0060150-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

BO2

Quant Time: Jun 05 09:41:12 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.802	136	231757	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	145687	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.066	188	255891	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	213614	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	200468	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.636	292	169209	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	56050	77.42	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	173956	77.13	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	201583	97.67	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.271	138	7374	39.79	ng/ml	86
4) Naphthalene	7.825	128	98215	38.91	ng/ml	100
5) 2-Methylnaphthalene	8.507	142	70801	41.77	ng/ml	97
6) 1-Methylnaphthalene	8.606	142	68355	40.62	ng/ml	97
7) 1,1'-Biphenyl	8.973	154	89052	41.69	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.136	156	64030	43.69	ng/ml	97
11) Acenaphthylene	9.416	152	110795	40.78	ng/ml	99
12) Acenaphthene	9.591	153	77320	38.80	ng/ml	99
13) Dibenzofuran	9.766	168	92917	38.52	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	9.976	170	65240	41.78	ng/ml	100
15) Fluorene	10.116	166	78137	40.78	ng/ml	99
17) Dibenzothiopene	10.961	184	100119	38.72	ng/ml	95
18) Phenanthrene	11.095	178	113423	38.51	ng/ml	BO2 99
19) Anthracene	11.141	178	100464	41.65	ng/ml	99
20) Carbazole	11.316	167	77232	37.09	ng/ml	99
21) 1-Methylphenanthrene	11.718	192	83222	41.90	ng/ml	99
22) Fluoranthene	12.348	202	121202	41.75	ng/ml	96
24) Pyrene	12.633	202	125721	45.38	ng/ml	99
26) Benz(a)anthracene	14.761	228	89239	40.28	ng/ml	100
27) Chrysene	14.843	228	90755	39.83	ng/ml	99
29) Benzo(b)fluoranthene	17.343	252	85389	41.20	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	82067	39.72	ng/ml	92
31) Benzo(b+k)fluoranthene	17.407	252	177371	81.39	ng/ml	92
32) Benzo(e)pyrene	17.990	252	87164	40.22	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042005.D
 Acq On : 04 Jun 2020 10:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0060150-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:41:12 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

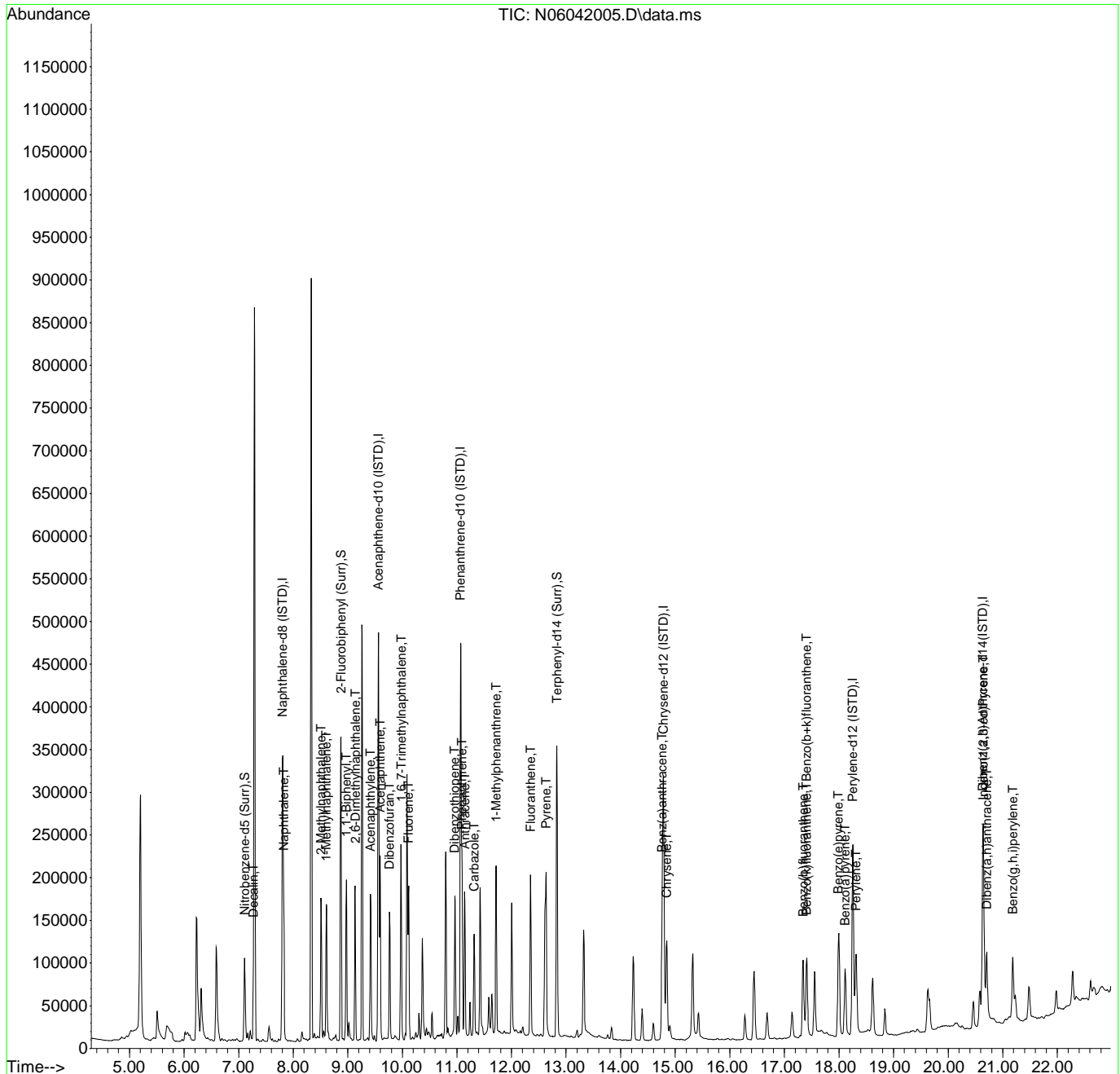
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	71280	43.17	ng/ml	96
34) Perylene	18.311	252	90066	40.37	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.648	276	72886	39.65	ng/ml	79
37) Dibenz(a,h)anthracene	20.706	278	68465	36.94	ng/ml	81
38) Benzo(g,h,i)perylene	21.184	276	76363	38.73	ng/ml	78

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042005.D
 Acq On : 04 Jun 2020 10:14 am
 Operator : JK/ AMS/ DTH
 Sample : 0060150-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 09:41:12 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



AML 06/05/20

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

MO5, BO2

JK 6/5/20

Quant Time: Jun 05 10:23:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	217011	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	134893	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.072	188	231584	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	186542	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	179028	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	155049	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.120	82	139	0.21	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.874	172	261	0.12	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	455	0.25	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.831	128	8076	3.42	ng/ml	100
5) 2-Methylnaphthalene	8.513	142	2179	1.37	ng/ml	96
6) 1-Methylnaphthalene	8.612	142	9794	6.22	ng/ml	97
7) 1,1'-Biphenyl	8.973	154	3645	1.82	ng/ml	98
8) 2,6-Dimethylnaphthalene	9.142	156	5952	4.34	ng/ml	96
11) Acenaphthylene	9.416	152	30212	12.01	ng/ml	96
12) Acenaphthene	9.591	153	64327	34.86	ng/ml	99
13) Dibenzofuran	9.766	168	4690	2.10	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	9.976	170	4452	3.08	ng/ml	95
15) Fluorene	10.116	166	33428	18.84	ng/ml	99
17) Dibenzothiopene	10.967	184	49493	21.15	ng/ml	94
18) Phenanthrene	11.095	178	255656	95.91	ng/ml	BO2 100
19) Anthracene	11.147	178	69605	31.88	ng/ml	99
20) Carbazole	11.316	167	2197	1.17	ng/ml	91
21) 1-Methylphenanthrene	11.718	192	26604	14.80	ng/ml	93
22) Fluoranthene	12.348	202	355891	135.47	ng/ml	96
24) Pyrene	12.634	202	431397	178.30	ng/ml	99
26) Benz(a)anthracene	14.761	228	72074	37.26	ng/ml#	65
27) Chrysene	14.843	228	97393	48.95	ng/ml	99
29) Benzo(b)fluoranthene	17.349	252	82951	44.82	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	30404m	16.48	ng/ml	MO5
31) Benzo(b+k)fluoranthene	17.349	252	116348	59.78	ng/ml	91
32) Benzo(e)pyrene	17.996	252	54260	28.04	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 10:23:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

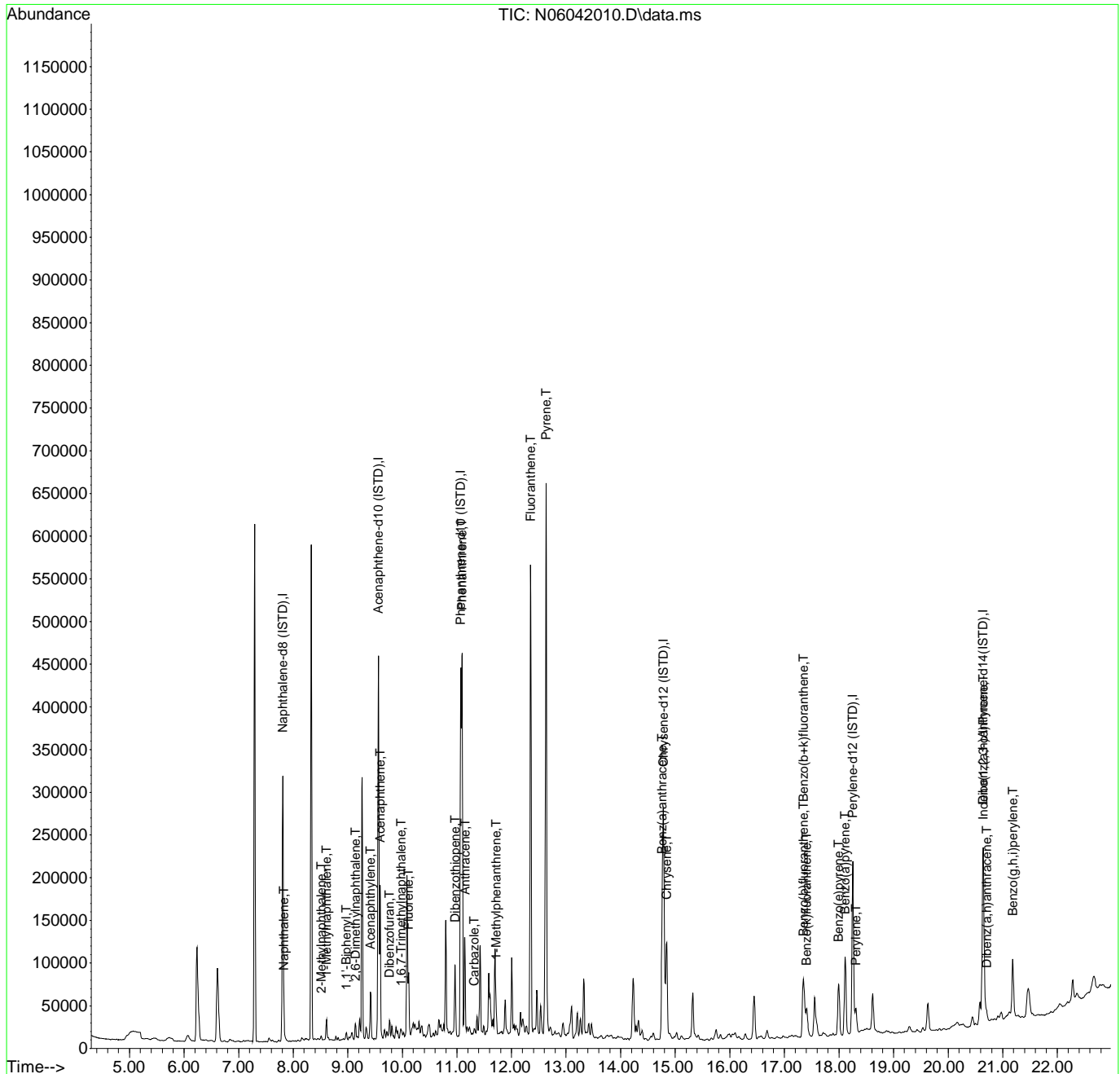
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.113	252	81048	54.60	ng/ml	97
34) Perylene	18.311	252	25027	12.56	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.648	276	56901	33.78	ng/ml	78
37) Dibenz(a,h)anthracene	20.706	278	6155	3.62	ng/ml	91
38) Benzo(g,h,i)perylene	21.184	276	70512	39.03	ng/ml	78

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

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

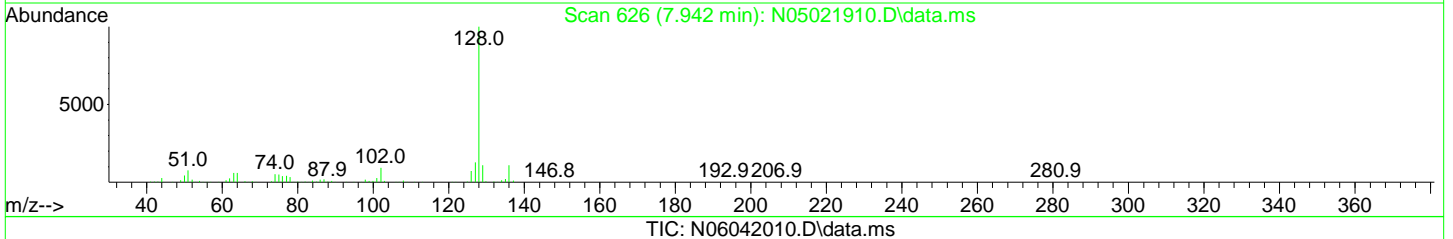
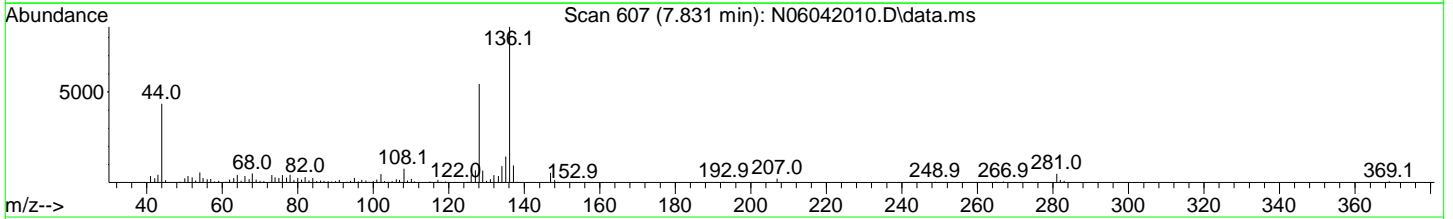
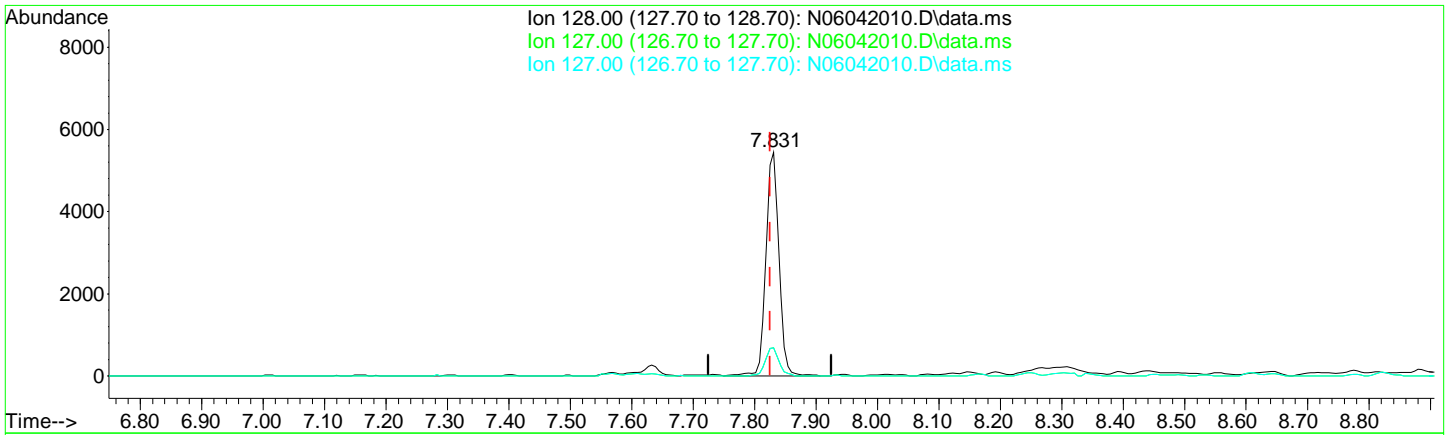
Quant Time: Jun 05 10:23:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042010.D\data.ms

(4) Naphthalene (T)

7.831min (+ 0.006) 3.42 ng/ml

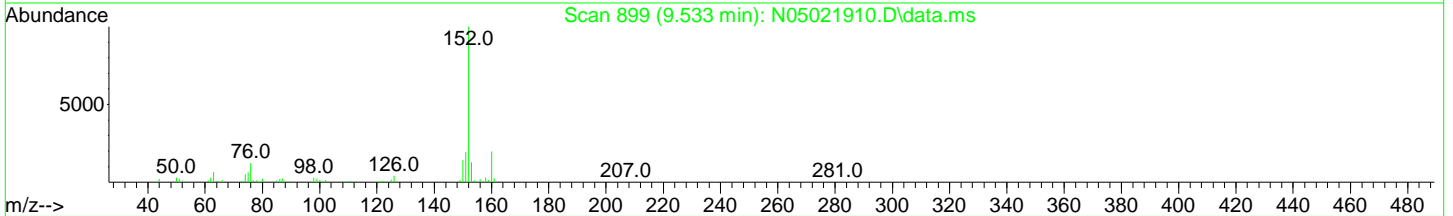
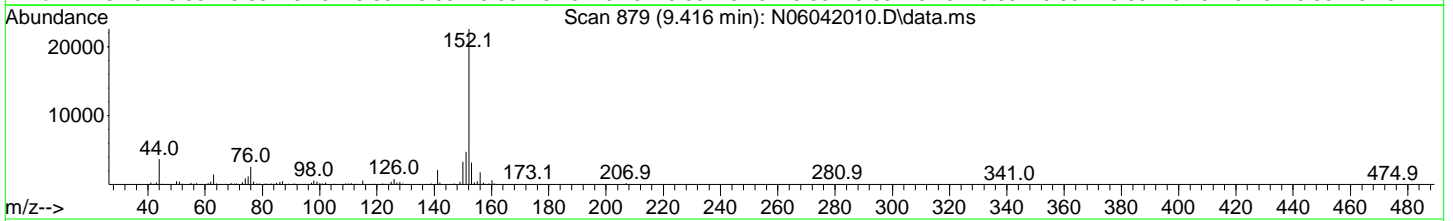
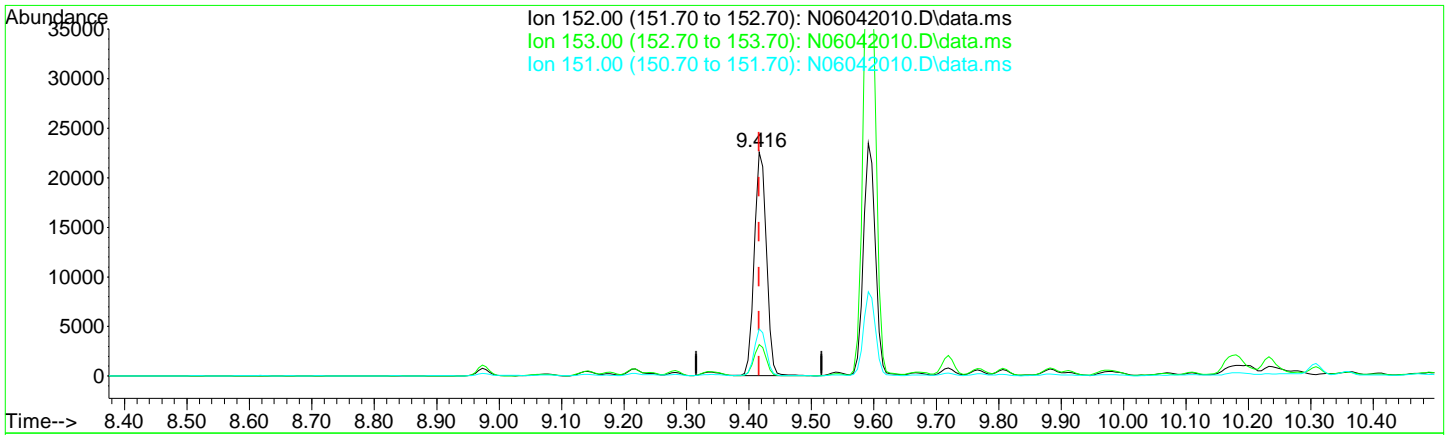
response 8076

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.69
127.00	12.60	12.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042010.D\data.ms

(11) Acenaphthylene (T)

9.416min (+ 0.000) 12.01 ng/ml

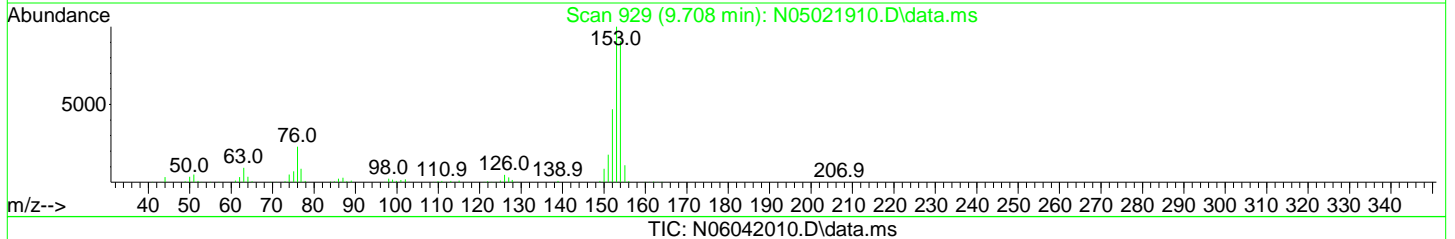
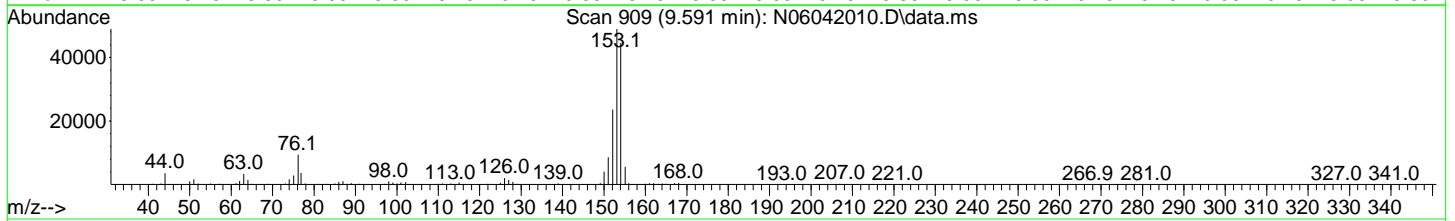
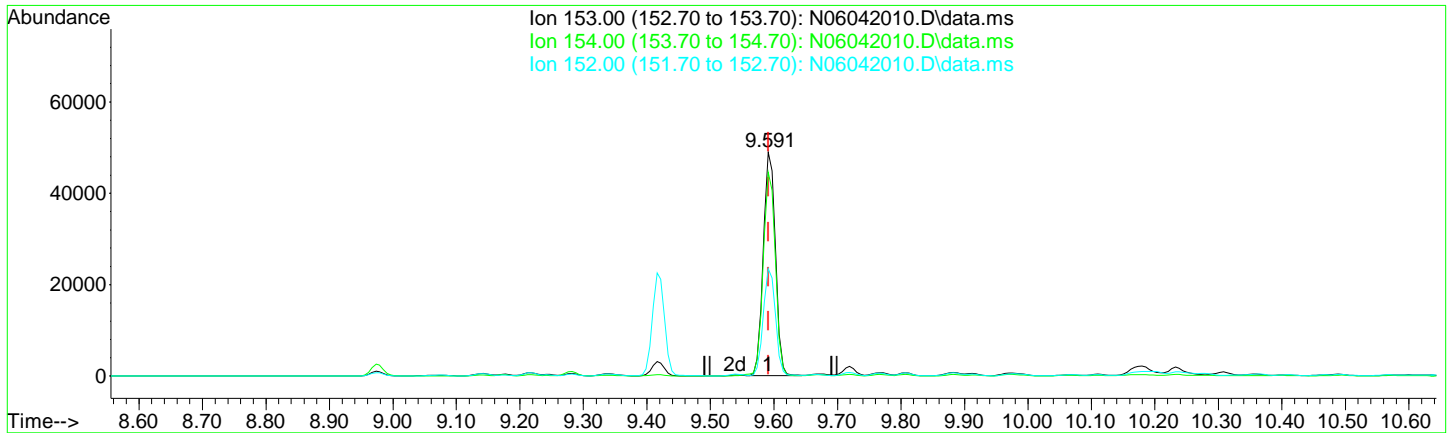
response 30212

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	14.07
151.00	19.30	21.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
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 Response via : Initial Calibration



TIC: N06042010.D\data.ms

(12) Acenaphthene (T)

9.591min (0.000) 34.86 ng/ml

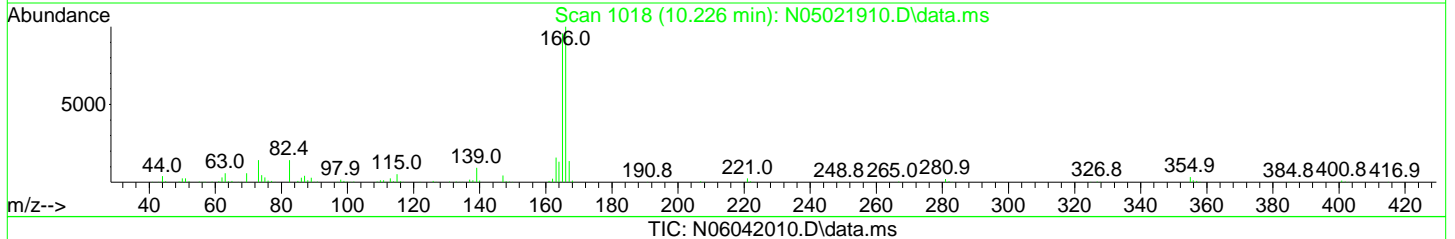
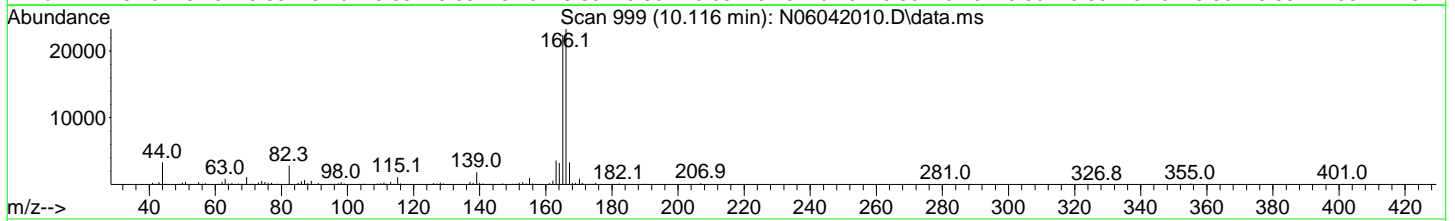
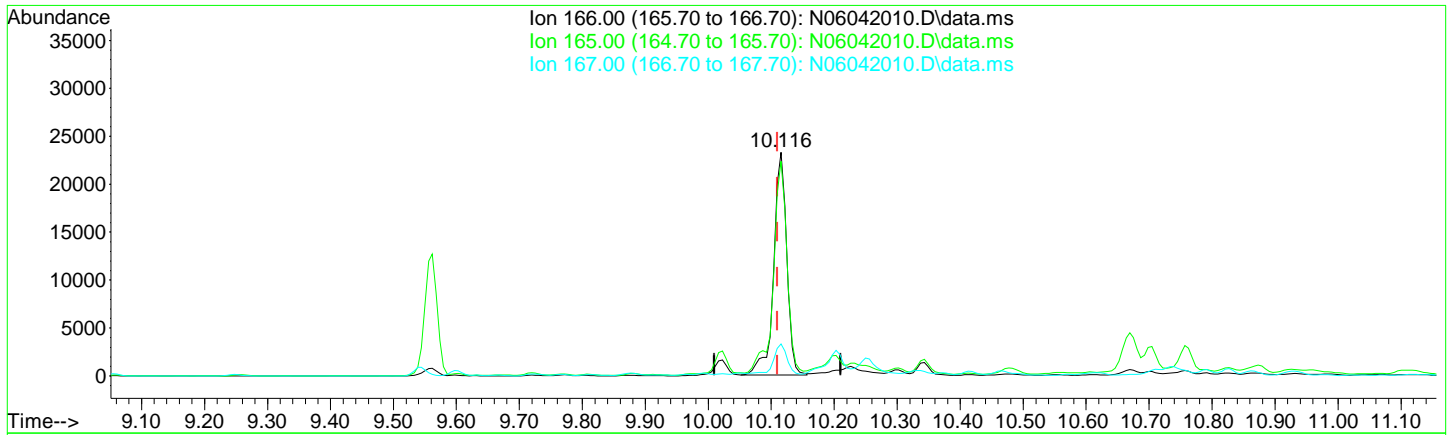
response 64327

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.94
152.00	46.80	47.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
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TIC: N06042010.D\data.ms

(15) Fluorene (T)

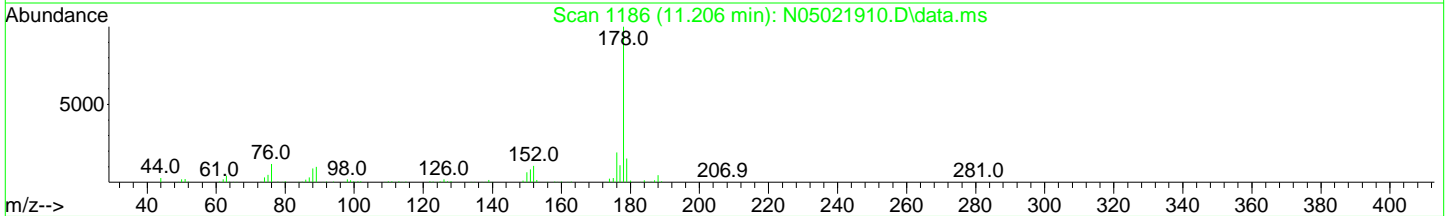
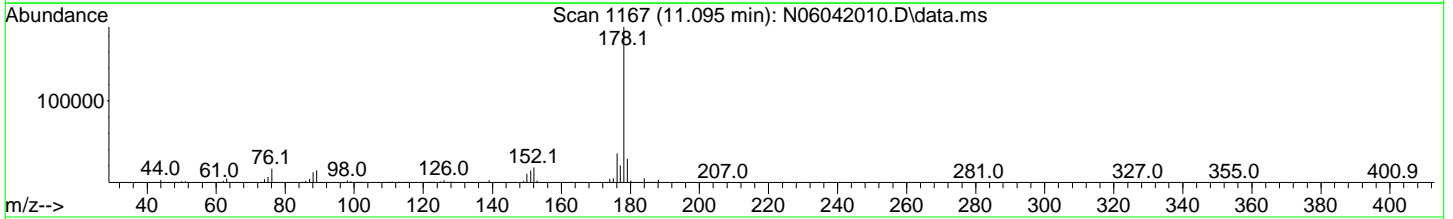
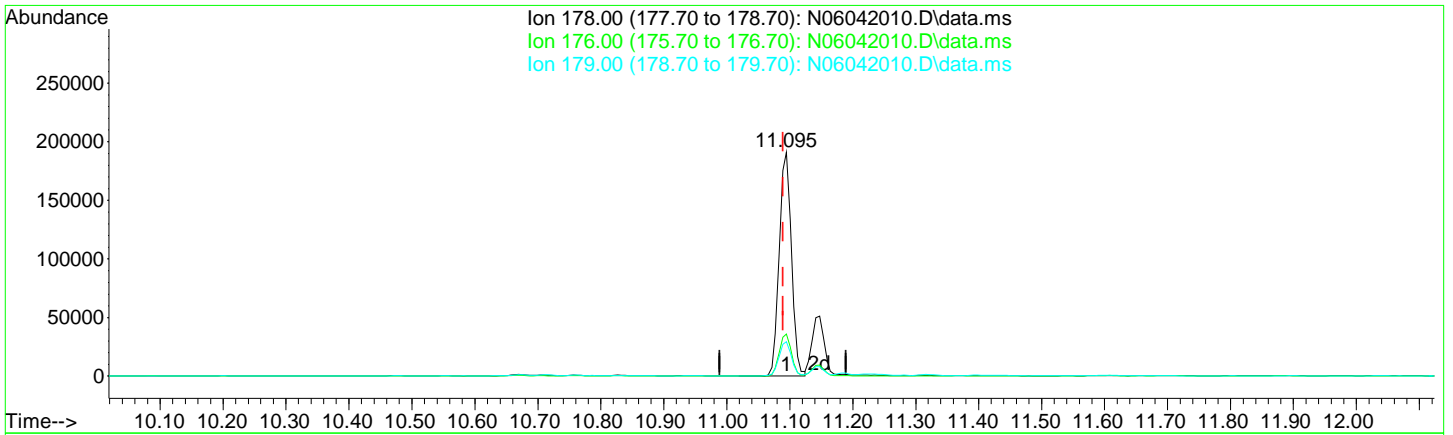
10.116min (+ 0.006) 18.84 ng/ml

response	33428
Ion	Exp% Act%
166.00	100.00 100.00
165.00	95.70 96.13
167.00	13.60 14.36
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
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TIC: N06042010.D\data.ms

(18) Phenanthrene (T)

11.095min (+ 0.006) 95.91 ng/ml

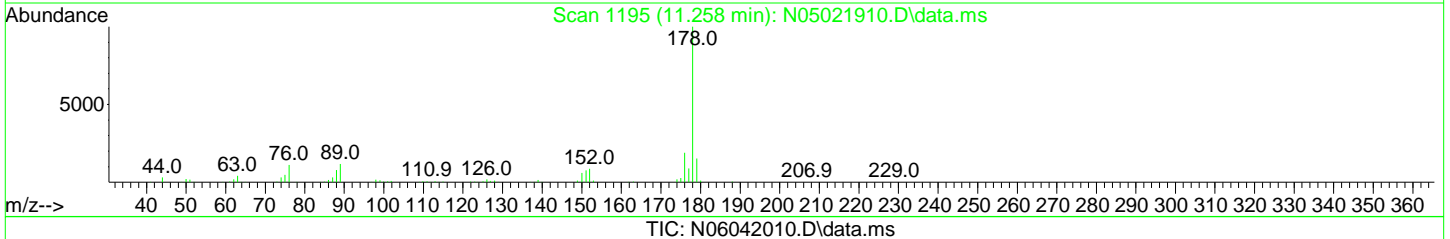
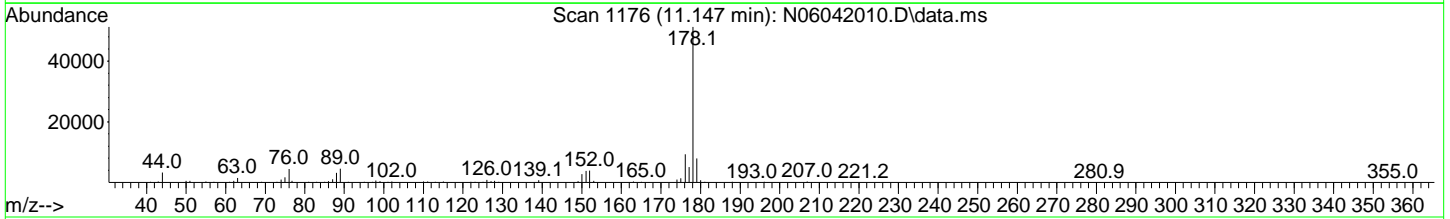
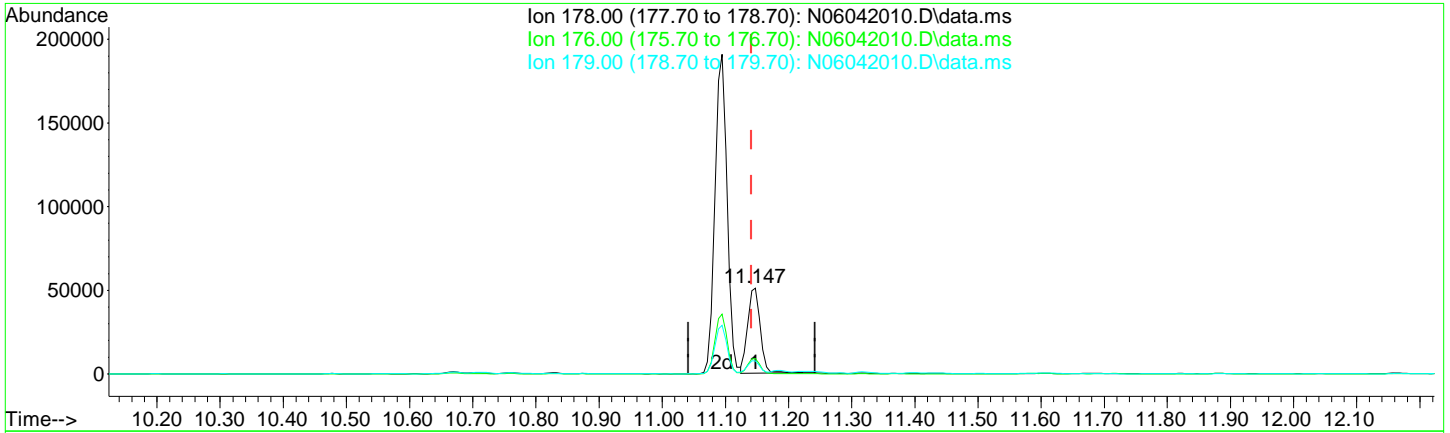
response 255656

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.76
179.00	15.10	15.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
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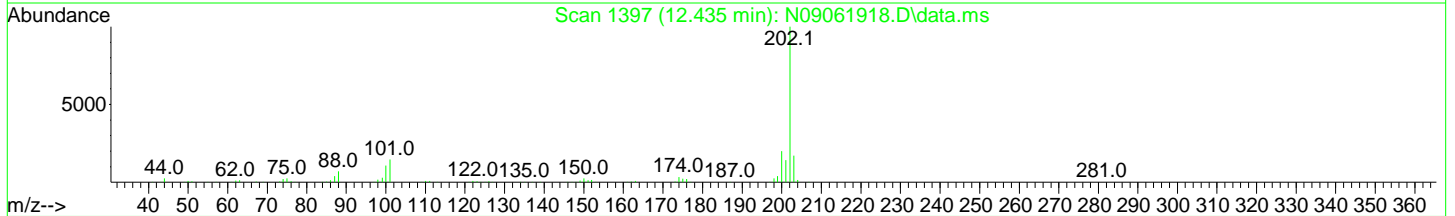
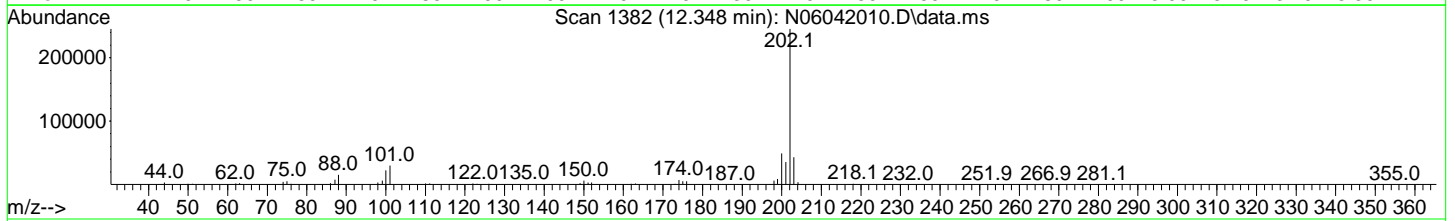
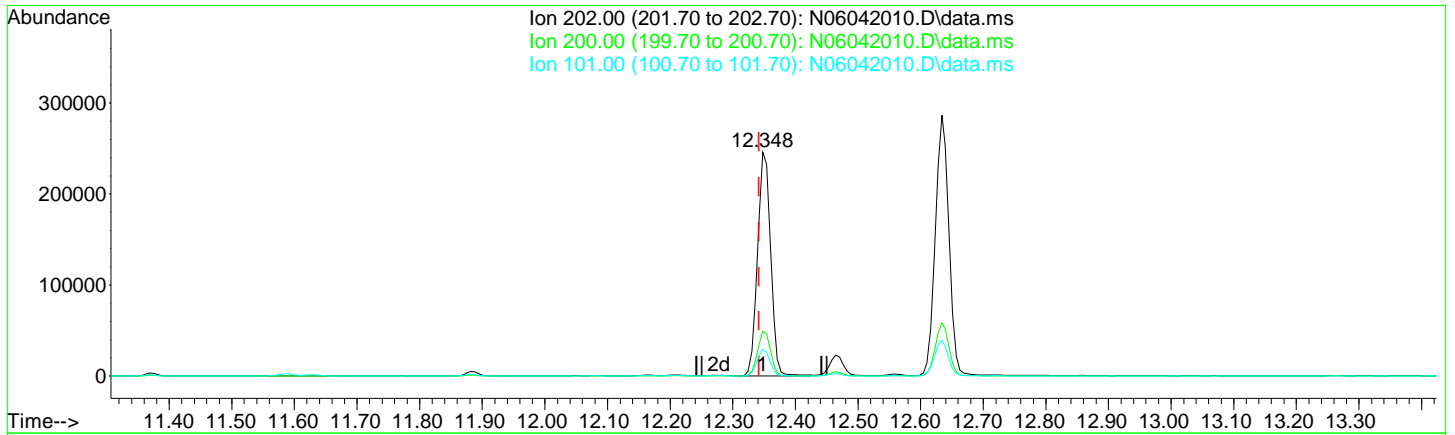
TIC: N06042010.D\data.ms

(19) Anthracene (T)		
11.147min (+ 0.006)	31.88 ng/ml	
response	69605	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.14
179.00	15.30	15.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
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TIC: N06042010.D\data.ms

(22) Fluoranthene (T)

12.348min (+ 0.006) 135.47 ng/ml

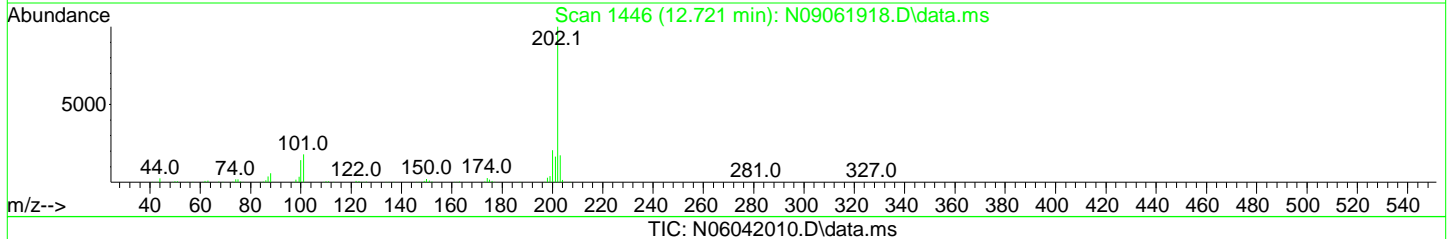
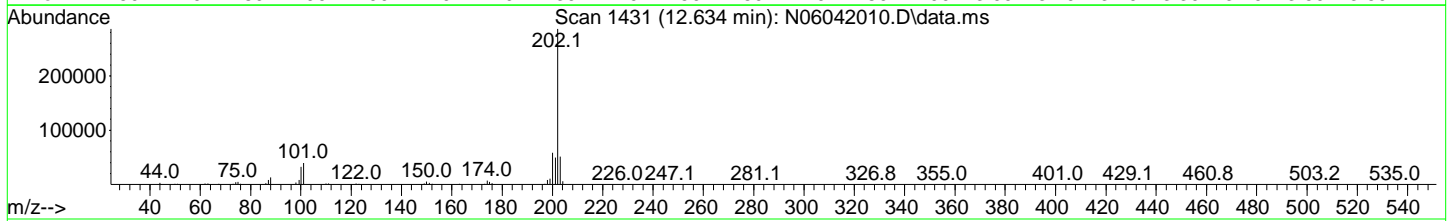
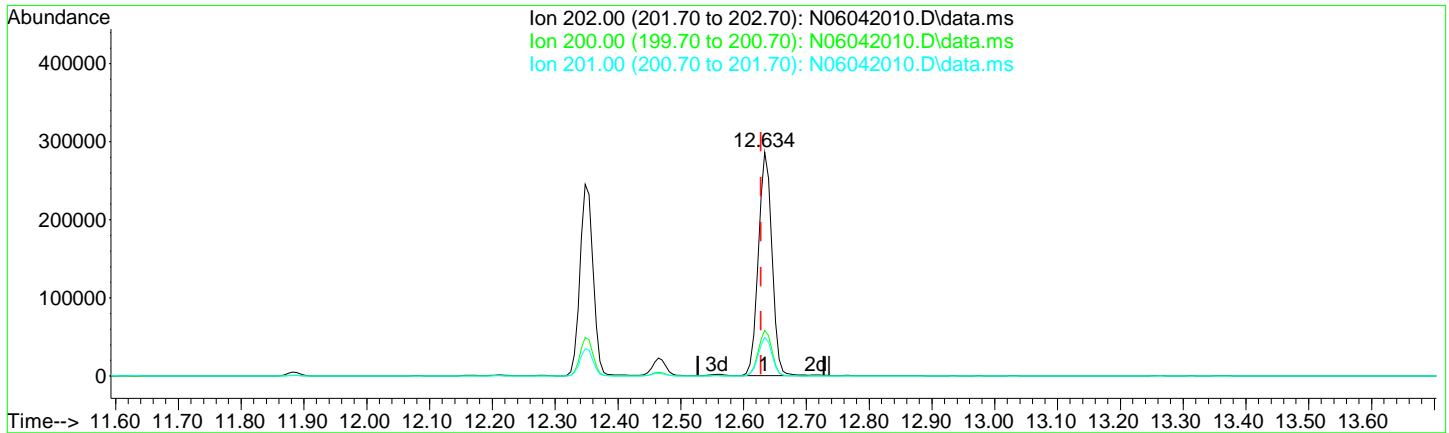
response 355891

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.01
101.00	15.30	12.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
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TIC: N06042010.D\data.ms

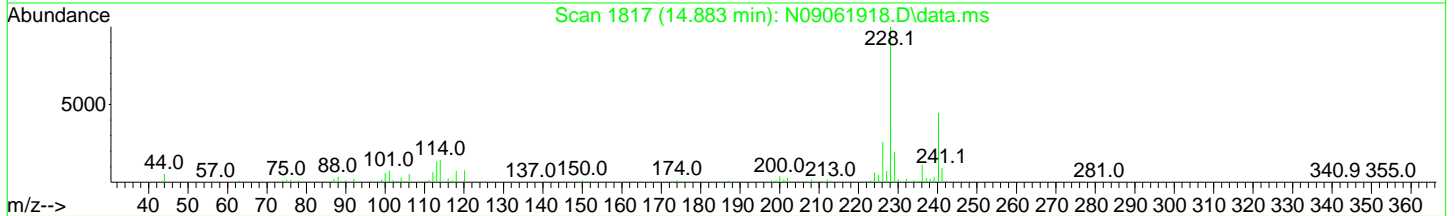
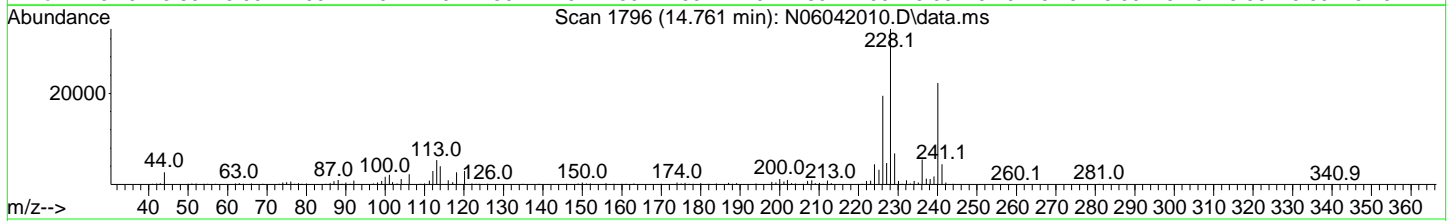
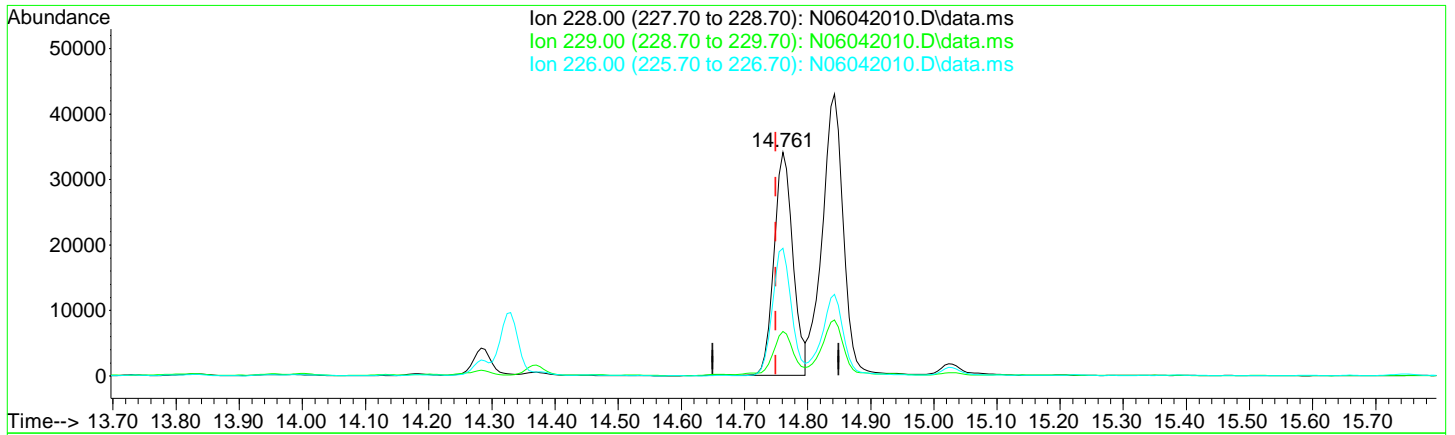
(24) Pyrene (T)

12.634min (+ 0.006)	178.30	ng/ml
response	431397	
Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.42
201.00	16.80	17.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
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TIC: N06042010.D\data.ms

(26) Benz(a)anthracene (T)

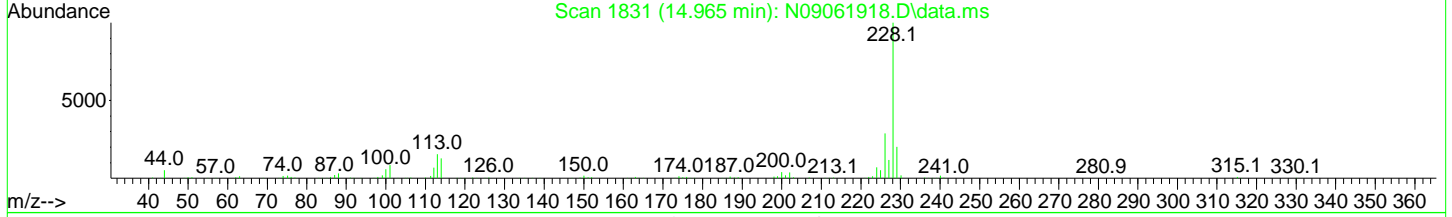
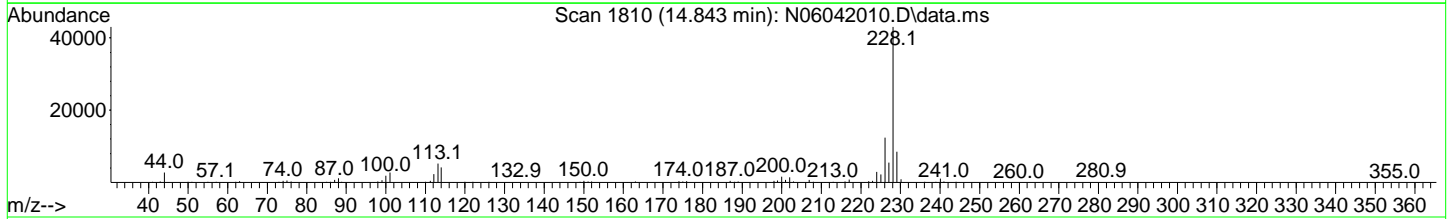
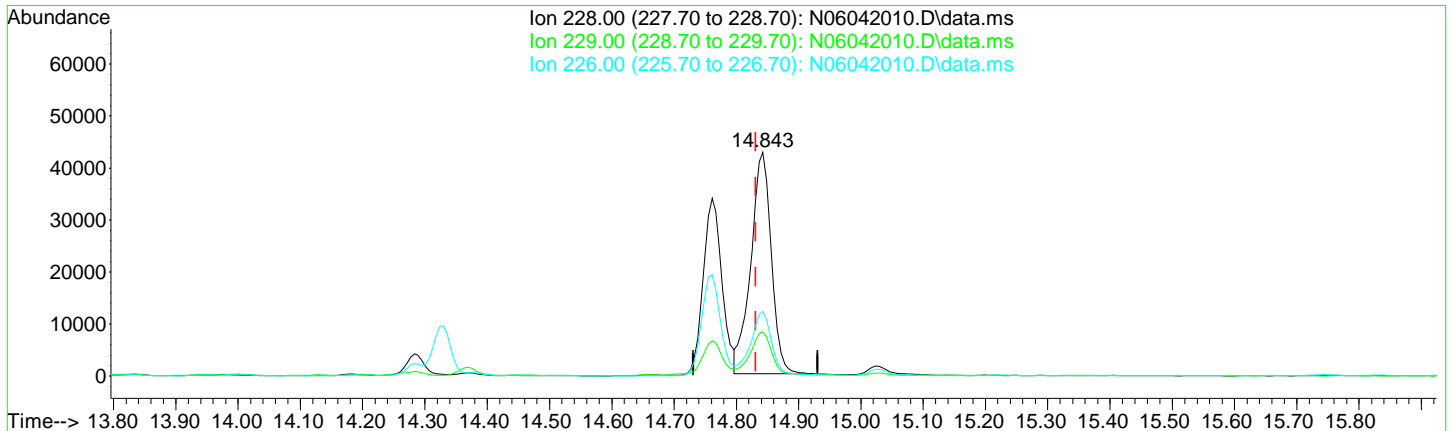
14.761min (+ 0.012) 37.26 ng/ml

response	72074	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	19.99
226.00	26.20	57.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
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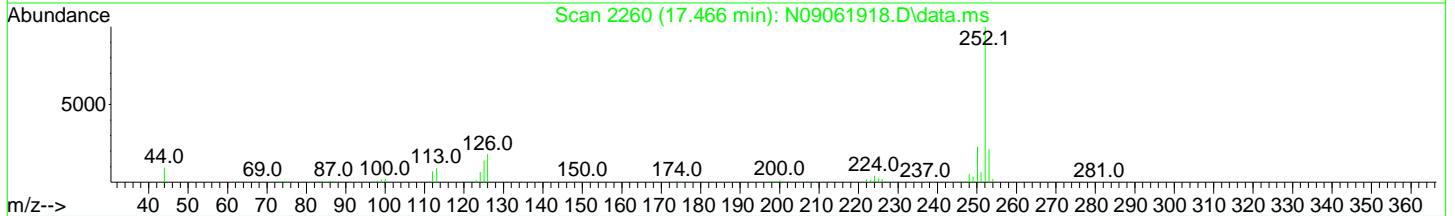
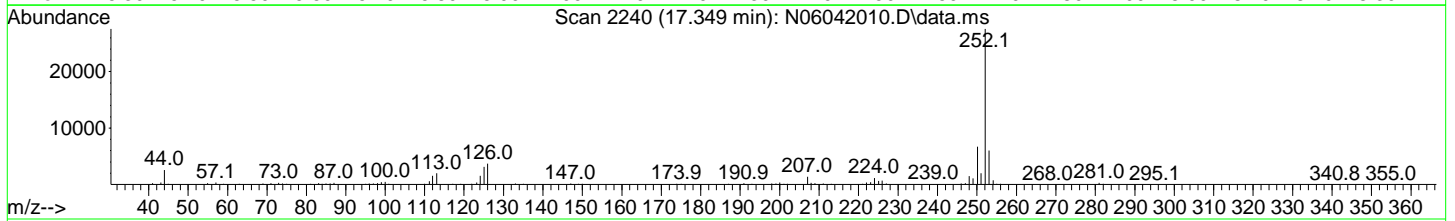
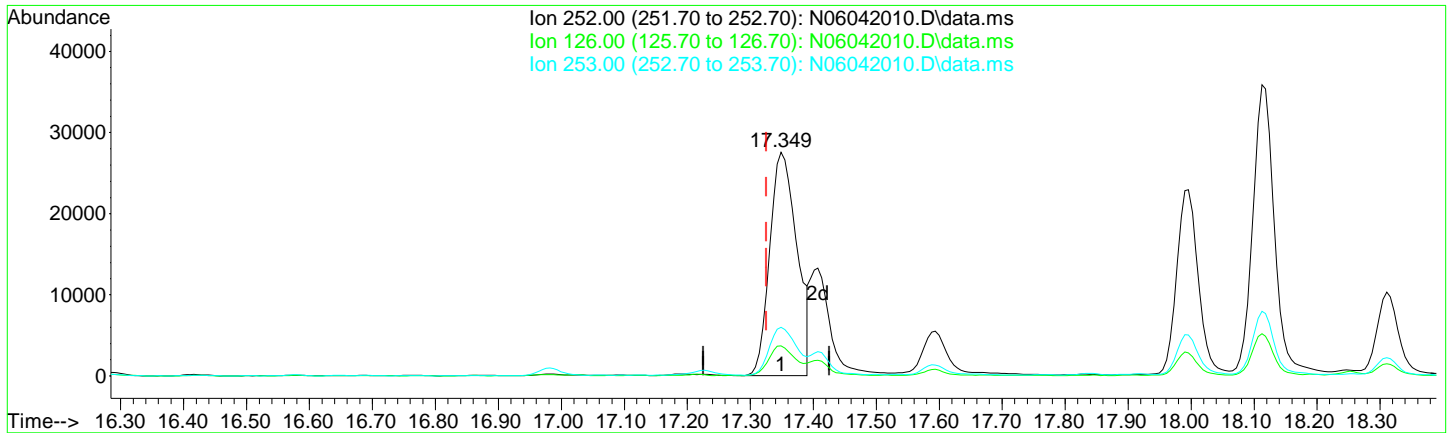
TIC: N06042010.D\data.ms

(27) Chrysene (T)		
14.843min (+ 0.012)	48.95 ng/ml	
response	97393	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	19.86
226.00	28.60	28.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
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TIC: N06042010.D\data.ms

(29) Benzo(b)fluoranthene (T)

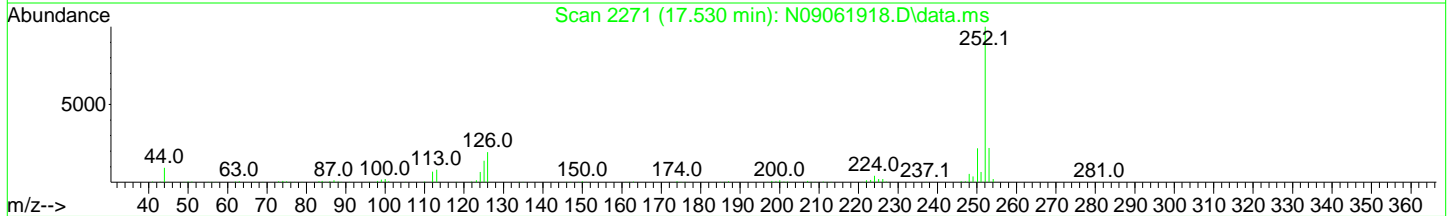
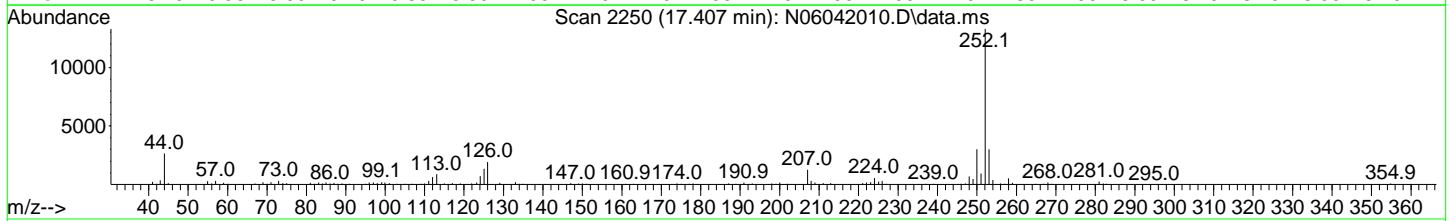
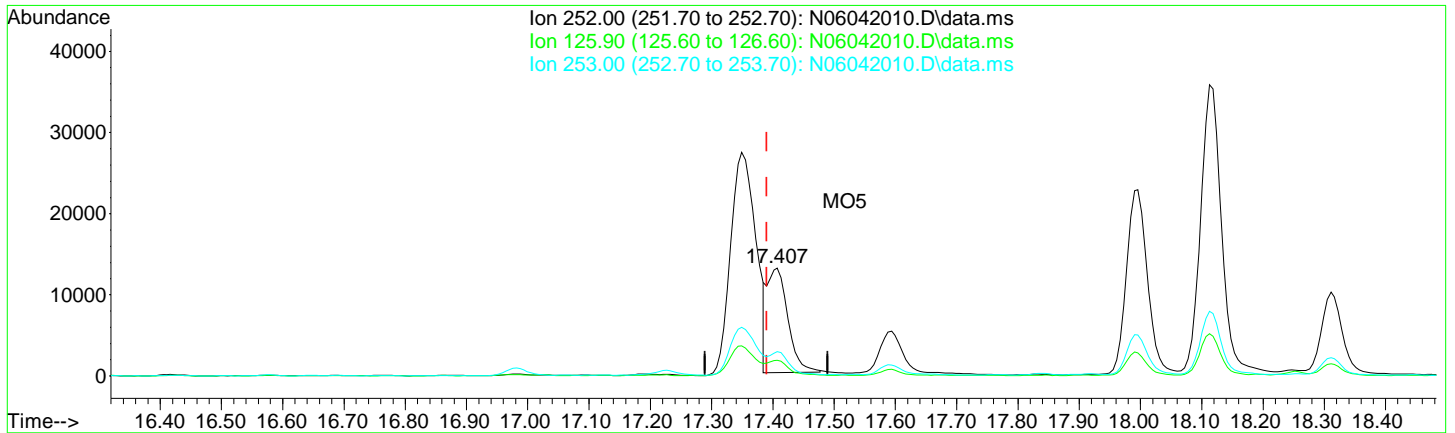
17.349min (+ 0.023) 44.82 ng/ml

response		
82951	Ion	Exp%
	252.00	100.00
	126.00	20.00
	253.00	21.10
	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
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TIC: N06042010.D\data.ms

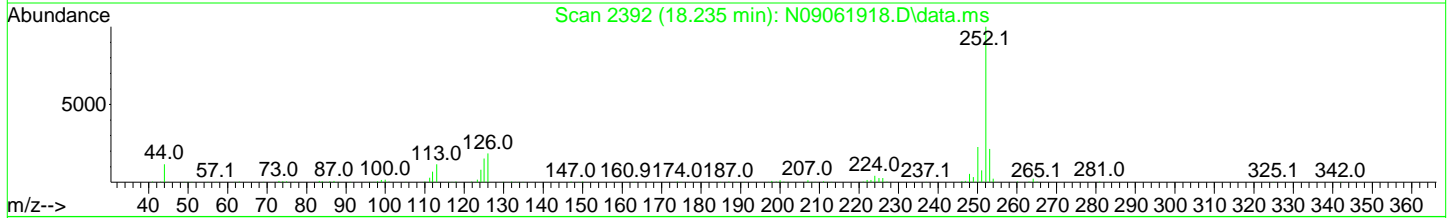
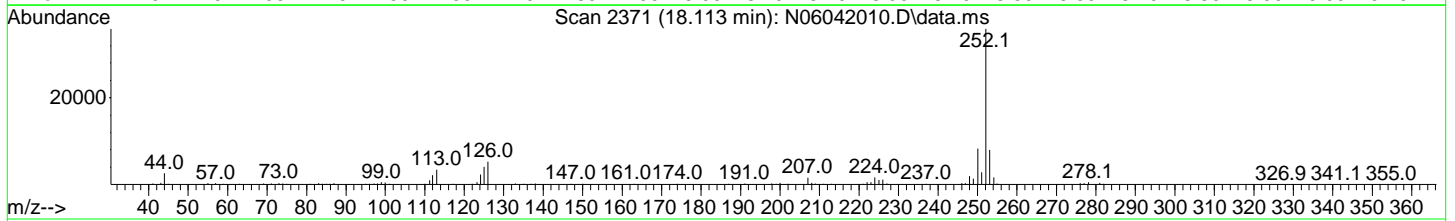
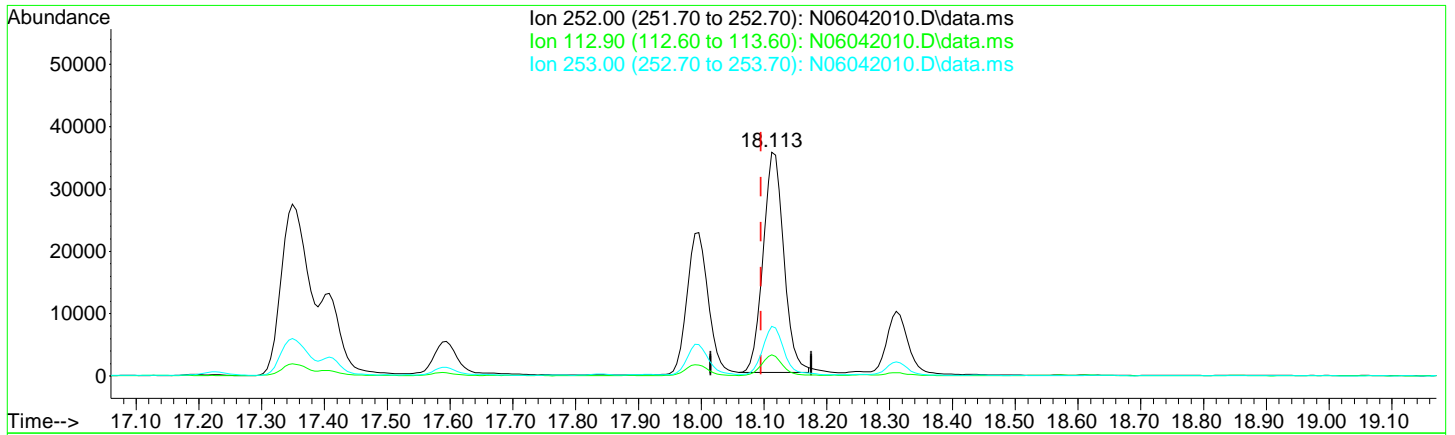
(30) Benzo(k)fluoranthene (T)

17.407min (+ 0.017)	16.48 ng/ml m	
response	30404	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.63
253.00	21.50	22.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
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Quant Time: Jun 05 09:57:18 2020
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TIC: N06042010.D\data.ms

(33) Benzo(a)pyrene (T)

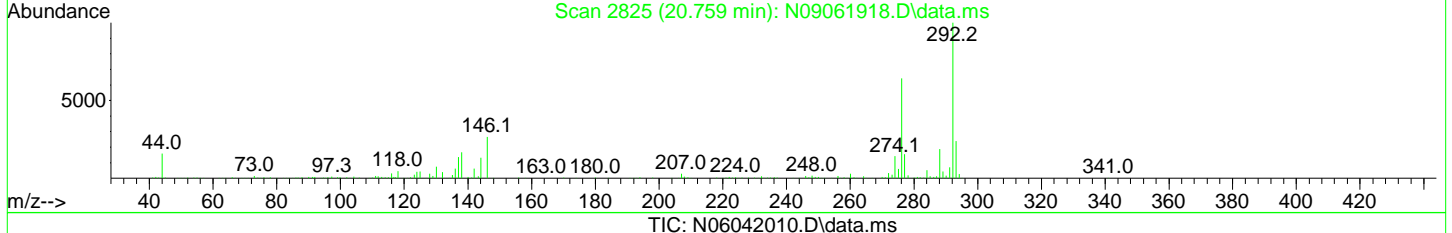
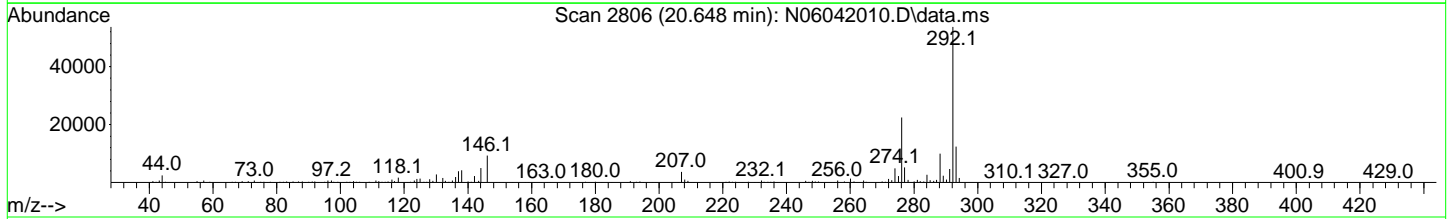
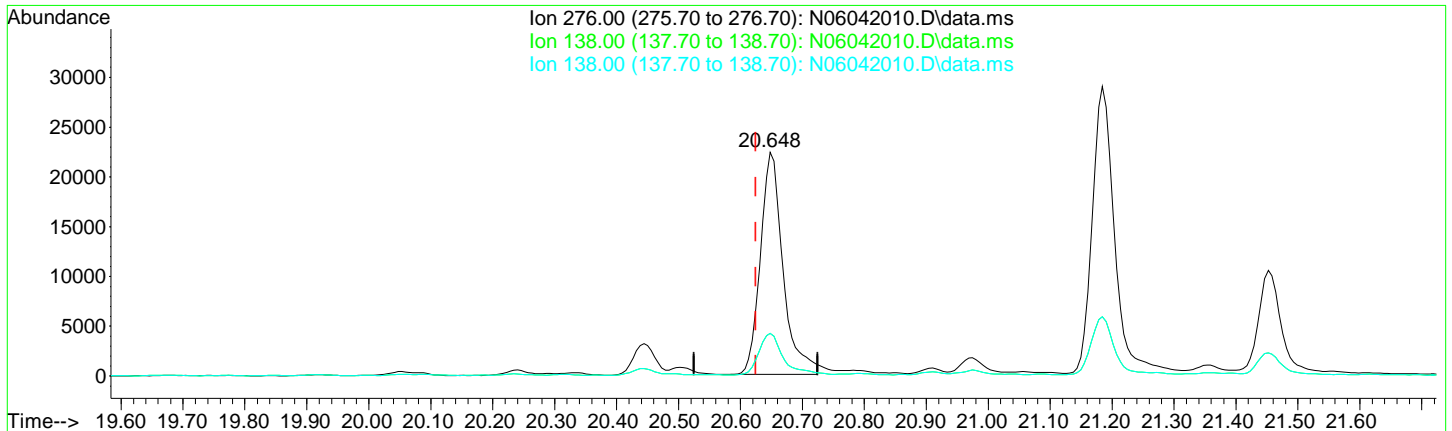
18.113min (+ 0.017) 54.60 ng/ml

response	81048	
Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.52
253.00	21.90	22.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



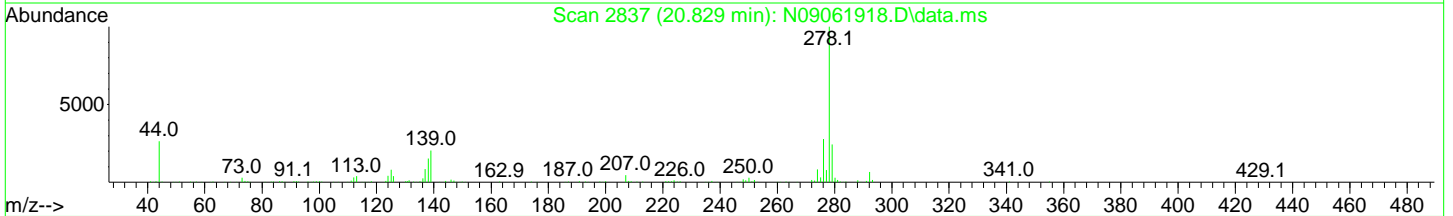
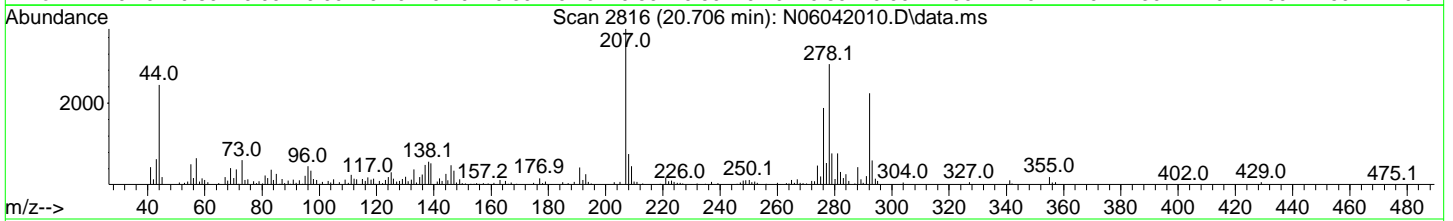
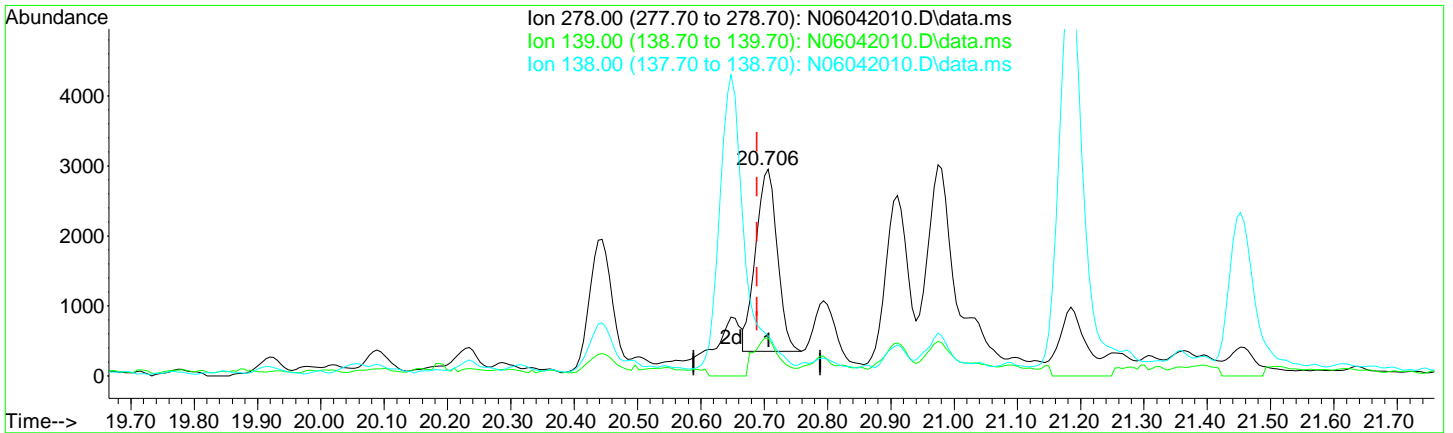
TIC: N06042010.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)		
20.648min (+ 0.023)	33.78	ng/ml
response	56901	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	19.14
138.00	31.60	19.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042010.D\data.ms

(37) Dibenz(a,h)anthracene (T)

20.706min (+ 0.017) 3.62 ng/ml

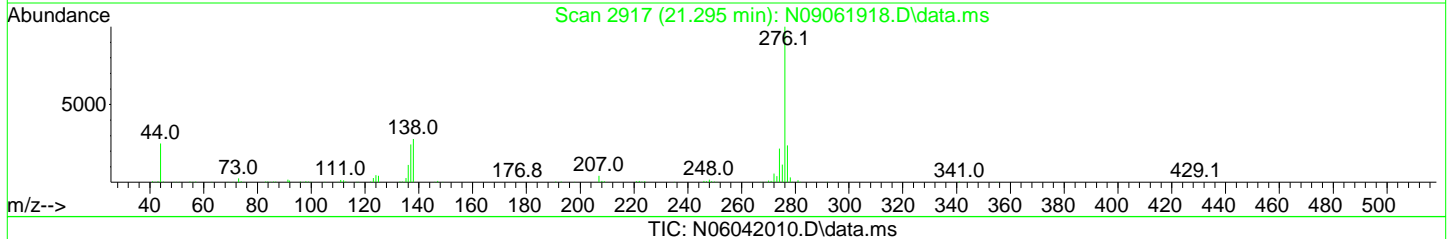
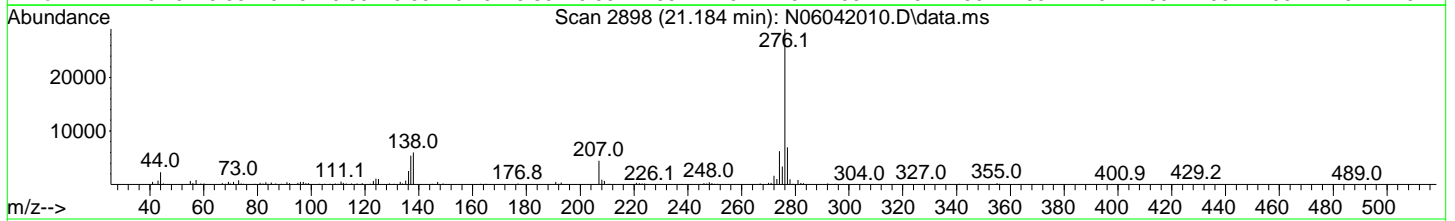
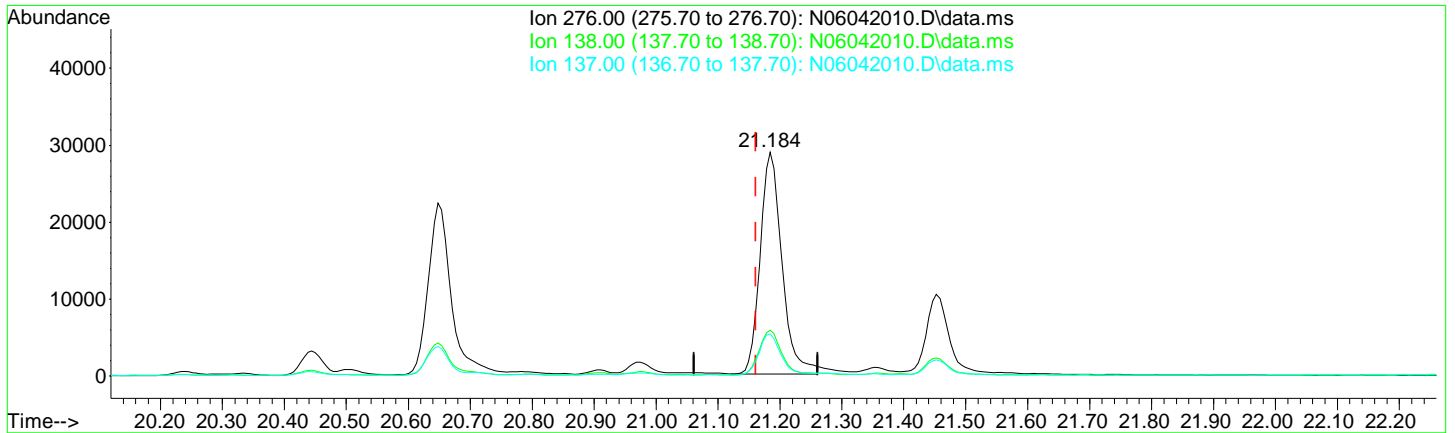
response 6155

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	18.35
138.00	19.90	19.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042010.D
 Acq On : 04 Jun 2020 12:55 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 09:57:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042010.D\data.ms

(38) Benzo(g,h,i)perylene (T)		
21.184min (+ 0.023)	39.03 ng/ml	
response	70512	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	34.40	20.53
137.00	28.60	18.69
0.00	0.00	0.00

AML 06/05/20

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042011.D
 Acq On : 04 Jun 2020 01:27 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 09:57:21 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.802	136	216755	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	117301	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	188674	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	214953	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.258	264	210709	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.642	292	182949	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	55232	81.57	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	144364	79.49	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	182731	87.98	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0		N.D.	
4) Naphthalene	7.825	128	3877	1.64	ng/ml	98
5) 2-Methylnaphthalene	8.513	142	622		N.D.	
6) 1-Methylnaphthalene	8.612	142	528		N.D.	
7) 1,1'-Biphenyl	8.973	154	823	0.41	ng/ml	90
8) 2,6-Dimethylnaphthalene	9.136	156	438		N.D.	
11) Acenaphthylene	9.416	152	504		N.D.	
12) Acenaphthene	9.591	153	675	0.42	ng/ml	91
13) Dibenzofuran	9.772	168	177		N.D.	
14) 1,6,7-Trimethylnaphtha...	9.976	170	154		N.D.	
15) Fluorene	10.116	166	565		N.D.	
17) Dibenzothiopene	10.967	184	292		N.D.	
18) Phenanthrene	11.095	178	2598	1.20	ng/ml	98
19) Anthracene	11.147	178	366		N.D.	
20) Carbazole	11.310	167	98		N.D.	
21) 1-Methylphenanthrene	11.718	192	127		N.D.	
22) Fluoranthene	12.354	202	1052	0.49	ng/ml	90
24) Pyrene	12.634	202	1123	0.40	ng/ml	98
26) Benz(a)anthracene	14.778	228	888		N.D.	
27) Chrysene	14.837	228	437		N.D.	
29) Benzo(b)fluoranthene	17.343	252	505		N.D.	
30) Benzo(k)fluoranthene	17.343	252	633		N.D.	
31) Benzo(b+k)fluoranthene	17.343	252	673		N.D.	
32) Benzo(e)pyrene	17.996	252	391		N.D.	

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042011.D
 Acq On : 04 Jun 2020 01:27 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 09:57:21 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

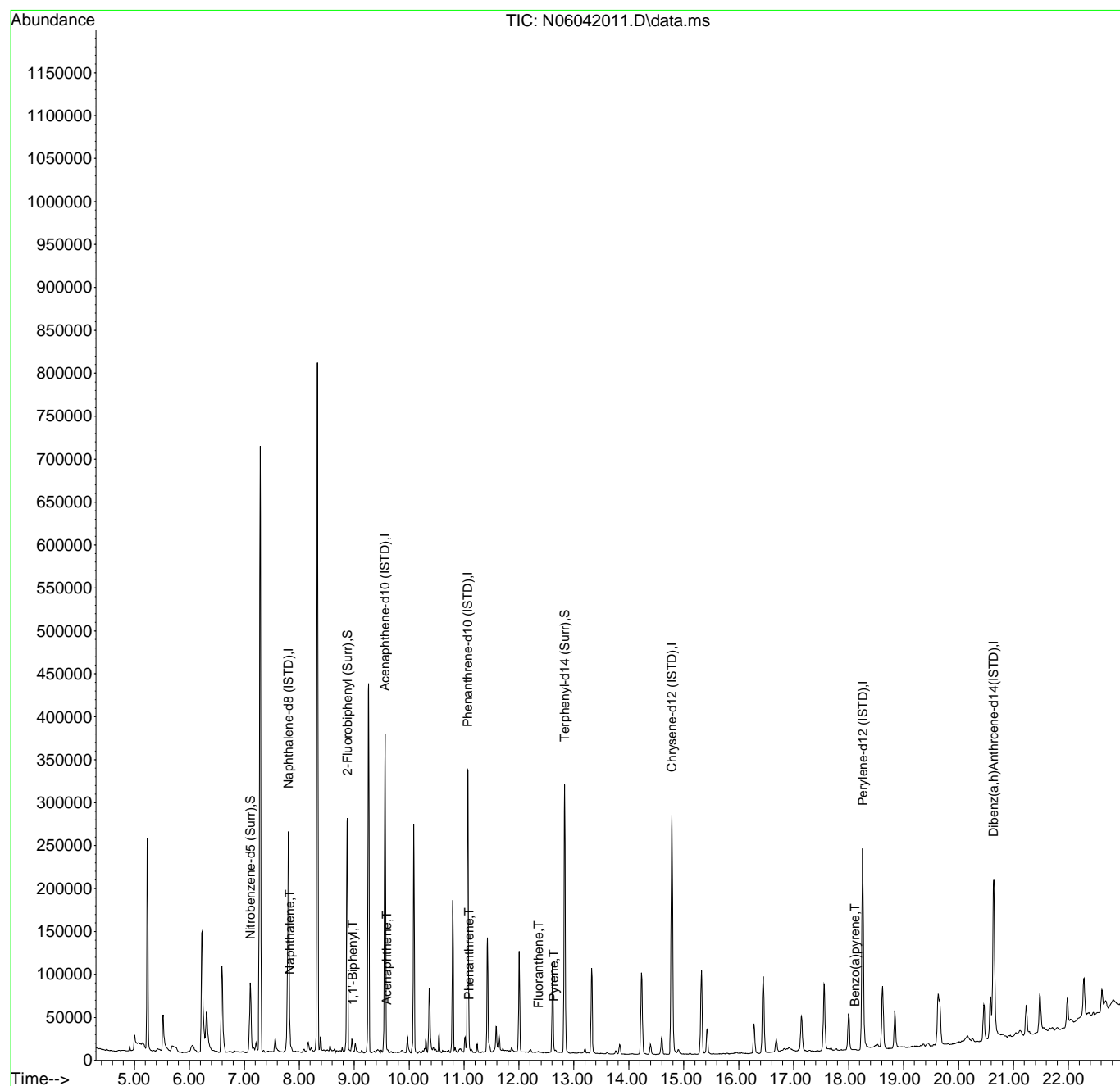
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.118	252	282	0.47	ng/ml	85
34) Perylene	18.305	252	92	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.654	276	428	N.D.		
37) Dibenz(a,h)anthracene	20.706	278	53	N.D.		
38) Benzo(g,h,i)perylene	21.190	276	413	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
Data File : N06042011.D
Acq On : 04 Jun 2020 01:27 pm
Operator : JK/ AMS/ DTH
Sample : 0060165-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 09:57:21 2020
Quant Method : R:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



HML 06/05/20

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042012.D
 Acq On : 04 Jun 2020 02:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 09:57:24 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.802	136	229746	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.562	162	126398	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.066	188	204651	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.784	240	174275	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.252	264	168264	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthracene-d...	20.636	292	140634	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.108	82	56022	78.06	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.868	172	145281	74.24	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.832	244	140315	83.33	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.271	138	7023	38.23	ng/ml		93
4) Naphthalene	7.825	128	87204	34.85	ng/ml		98
5) 2-Methylnaphthalene	8.507	142	59277	35.28	ng/ml		97
6) 1-Methylnaphthalene	8.606	142	58102	34.83	ng/ml		97
7) 1,1'-Biphenyl	8.973	154	70361	33.22	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.136	156	51546	35.48	ng/ml		96
11) Acenaphthylene	9.416	152	85217	36.16	ng/ml		99
12) Acenaphthene	9.591	153	60875	35.21	ng/ml		99
13) Dibenzofuran	9.766	168	68674	32.82	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	9.976	170	48065	35.48	ng/ml		99
15) Fluorene	10.116	166	57008	34.29	ng/ml		99
17) Dibenzothiopene	10.967	184	70238	33.96	ng/ml		94
18) Phenanthrene	11.089	178	83346	35.38	ng/ml		99
19) Anthracene	11.141	178	68132	35.32	ng/ml		99
20) Carbazole	11.316	167	49665	29.82	ng/ml		98
21) 1-Methylphenanthrene	11.718	192	58785	37.01	ng/ml		99
22) Fluoranthene	12.348	202	84478	36.39	ng/ml		97
24) Pyrene	12.634	202	87592	38.75	ng/ml		99
26) Benz(a)anthracene	14.761	228	63822	35.31	ng/ml		99
27) Chrysene	14.843	228	65443	35.21	ng/ml		99
29) Benzo(b)fluoranthene	17.343	252	63573	36.55	ng/ml		92
30) Benzo(k)fluoranthene	17.407	252	60458	34.86	ng/ml		92
31) Benzo(b+k)fluoranthene	17.407	252	130801	71.51	ng/ml		92
32) Benzo(e)pyrene	17.996	252	64636	35.54	ng/ml		97

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042012.D
 Acq On : 04 Jun 2020 02:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 09:57:24 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

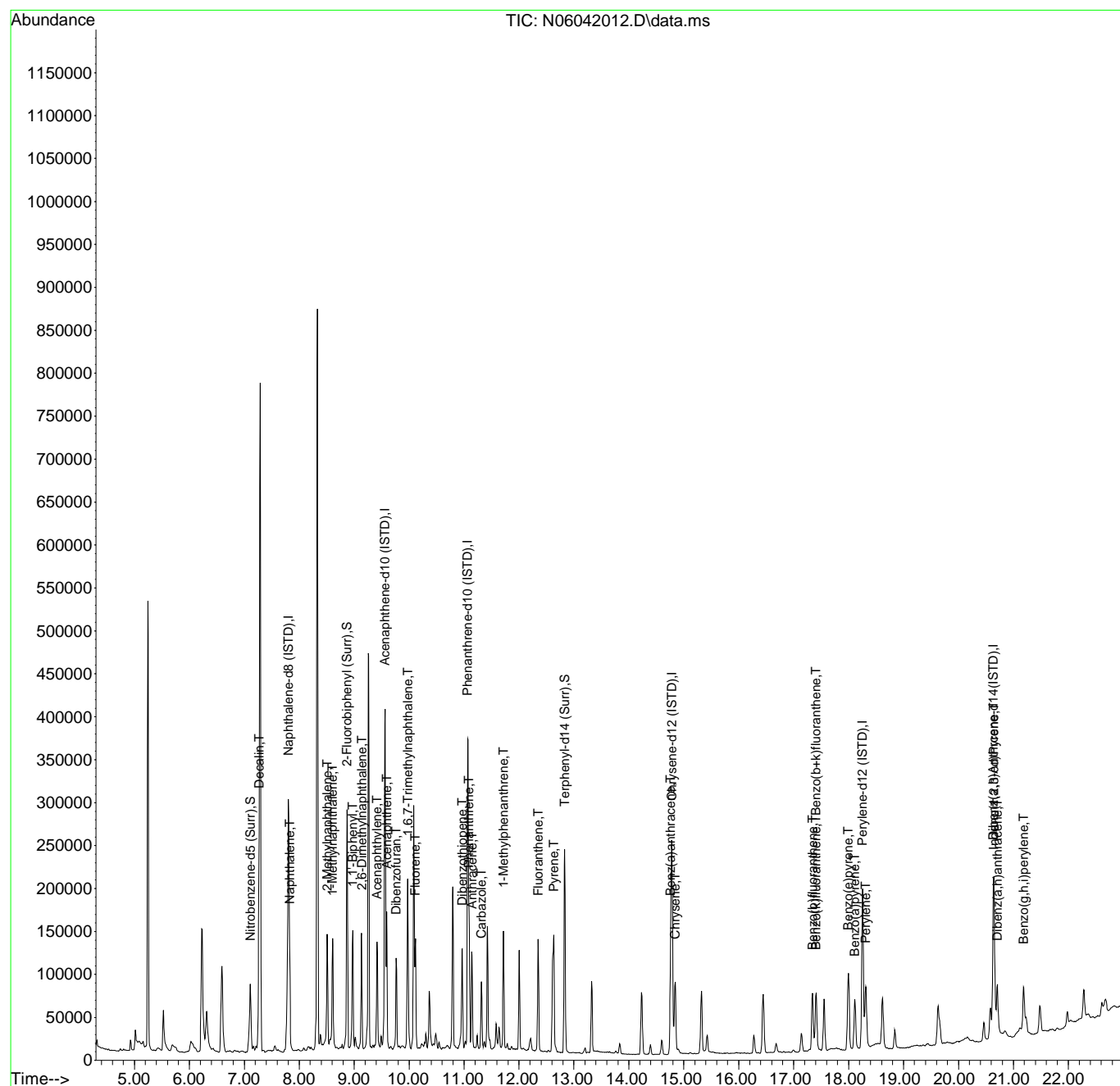
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	52984	38.35	ng/ml	96
34) Perylene	18.311	252	67556	36.07	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.648	276	54546	35.71	ng/ml	80
37) Dibenz(a,h)anthracene	20.706	278	54535	35.40	ng/ml	82
38) Benzo(g,h,i)perylene	21.184	276	58827	35.90	ng/ml	79

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04032\
 Data File : N06042012.D
 Acq On : 04 Jun 2020 02:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 09:57:24 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



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

Batch 0060165
Sequence 0F04059 (A0E0668-03,04,05)



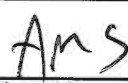
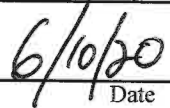
Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060165 (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	
	0060165-BLK1	QC	06/04/20 08:24	11	5				100						
	0060165-BS1	QC	06/04/20 08:24	10	5	A20E219		100	100						
	A0E0668-03	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.21	5				100	PDI-175SC-A-01-02-200522					
	A0E0668-04	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.35	5				100	PDI-175SC-A-02-03-200522	MS/MSD				
	0060165-MS1	QC	06/04/20 08:24	10.32	5	A20E219	A0E0668-04	100	100						
	0060165-MSD1	QC	06/04/20 08:24	10.34	5	A20E219	A0E0668-04	100	100						
	A0E0668-05	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.43	5				100	PDI-175SC-A-03-04-200522					
	A0E0672-01	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.15	5				100	PDI-171SC-A-00-01-200521					
	A0E0672-02	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.04	5				100	PDI-171SC-A-10-11-200521					
	A0E0672-03	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.48	5				100	PDI-171SC-A-11-12-200521					
	A0E0672-04	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.44	5				100	PDI-171SC-A-12-13-200521					
	A0E0672-05	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.2	5				100	PDI-171SC-A-13-13.5-200521					
	A0E0672-14	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.3	5				100	PDI-173SC-A-00-01-200521					
	A0E0672-15	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.31	5				100	PDI-173SC-A-04-05-200521					
	A0E0672-16	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.28	5				100	PDI-173SC-A-05-06-200521					
	A0E0672-17	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.08	5				100	PDI-173SC-A-06-07-200521					
	A0E0672-18	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.18	5				100	PDI-173SC-A-07-08-200521					
	A0E0672-19	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.32	5				100	PDI-174SC-A-00-01-200521					
	A0E0672-20	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.53	5				100	PDI-174SC-A-03-04-200521					
	A0E0672-21	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.25	5				100	PDI-174SC-A-04-05-200521					

Prepared By: _____ Date _____



 Reviewed By: _____ Date _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060165 (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
	A0E0672-22	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.27	5				100	PDI-174SC-A-05-06-200521				
	A0E0672-23	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.19	5				100	PDI-174SC-A-06-07-200521				
	A0E0672-23RE1	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.19	5				100	PDI-174SC-A-06-07-200521	Added 6/8/2020 By hml			
	A0E0672-24	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10	5				100	PDI-174SC-A-07-08-200521				
	0060165-DUP1	QC	06/04/20 08:24	10.05	5		A0E0672-24		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
A18L176	11/30/23	Balance s/n 1701A109	A20E219	08/01/20	LVI PAH Spike @2000ng/ml	A20E263	11/08/20	8270D LL PAH Only Surr. (5ppm)
A20B017	08/01/20	Glass Wool						
A20D177	10/10/22	Sodium Sulfate Lot # 195510						
A20E143	11/09/20	DCM CHEM PROD. DY726-US						

Method 3546 digestion time and temperature achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060165 (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	
	0060165-BLK1	QC	06/04/20 08:24	10 11.00	5				100						
2	0060165-BS1	QC	06/04/20 08:24	10	5	A20E219		100	100						
3	A0E0668-03	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.21	5				100	PDI-175SC-A-01-02-200522	sand	*			
4	A0E0668-04	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.35	5				100	PDI-175SC-A-02-03-200522	MS/MSD Sand				
5	0060165-MS1	QC	06/04/20 08:24	10 10.32	5	A20E219	A0E0668-04	100	100						
6	0060165-MSD1	QC	06/04/20 08:24	10 10.34	5	A20E219	A0E0668-04	100	100						
7	A0E0668-05	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.43	5				100	PDI-175SC-A-03-04-200522	sand				
8	A0E0672-01	A 8270D LL PAH Only (Scan)	06/04/20 08:24 6/4/20	10 10.15 10.32	5				100	PDI-171SC-A-00-01-200521	mud	*	D		
9	A0E0672-02	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.04	5				100	PDI-171SC-A-10-11-200521	mud		(P)		
10	A0E0672-03	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.48	5				100	PDI-171SC-A-11-12-200521	mud				
11	A0E0672-04	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.44	5				100	PDI-171SC-A-12-13-200521	mud				
12	A0E0672-05	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.20	5				100	PDI-171SC-A-13-13.5-200521	mud				
13	A0E0672-14	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.30	5				100	PDI-173SC-A-00-01-200521	mud				
14	A0E0672-15	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.31	5				100	PDI-173SC-A-04-05-200521	sand				
15	A0E0672-16	A 8270D LL PAH Only (Scan)	06/04/20 08:24 6/4/20	10 10.25 10.33	5				100	PDI-173SC-A-05-06-200521	mud/org	*	D		
16	A0E0672-17	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.08	5				100	PDI-173SC-A-06-07-200521	mud				
17	A0E0672-18	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.18	5				100	PDI-173SC-A-07-08-200521	mud/sand				
18	A0E0672-19	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.32	5				100	PDI-174SC-A-00-01-200521	mud/sand				
19	A0E0672-20	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.53	5				100	PDI-174SC-A-03-04-200521	sand/mud				
20	A0E0672-21	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10 10.25	5				100	PDI-174SC-A-04-05-200521	sand/mud				

Prepared By: ASJ Date: 6-4-20

Reviewed By: cas Date: 06/04/2020

CAM 6/4/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060165 (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
21	A0E0672-22	A 8270D LL PAH Only (Scan)	06/04/20 08:24 with AJT	10.23	5				100	PDI-174SC-A-05-06-200521	mud/org * D			
22	A0E0672-23	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.19	5				100	PDI-174SC-A-06-07-200521	mud/org * D			
23	A0E0672-24	A 8270D LL PAH Only (Scan)	06/04/20 08:24	10.00	5				100	PDI-174SC-A-07-08-200521	mud/sand ;			
24	0060165-DUPI	QC	06/04/20 08:24	10.05	5		A0E0672-24		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	A20E219	08/01/20	LVI PAH Spike @2000ng/ml	A20E263	11/08/20	8270D LL PAH Only Surr. (5ppm)
A20B017	08/01/20	Glass Wool						
A20D177	10/10/22	Sodium Sulfate Lot # 195510						
A20E143	11/09/20	DCM CHEM PROD. DY726-US						

Method 3546 digestion time and temperture achieved.

Initial: AJT

Witness: CAH 6/04/20

O = Dryout

(P) = Partial dryout

* = Staining on turbovap tube.

Prepared By: AJT Date: 6-4-20

Reviewed By: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F04059
Date: 06/04/20 15:38

Instrument: SV-GCMS14
Calibration: A0D0804

Table with 9 columns: #, Lab Number, Matrix, Analysis, Client, Due, Batch, ISTD_ID, STD_ID. Contains 25 rows of sample data including lab numbers, matrices (Water, Sediment), analysis types (QC, PAH Only), clients (Anchor QEA, LLC), and due dates.

Data Entered By/Date: AML 06/05/20

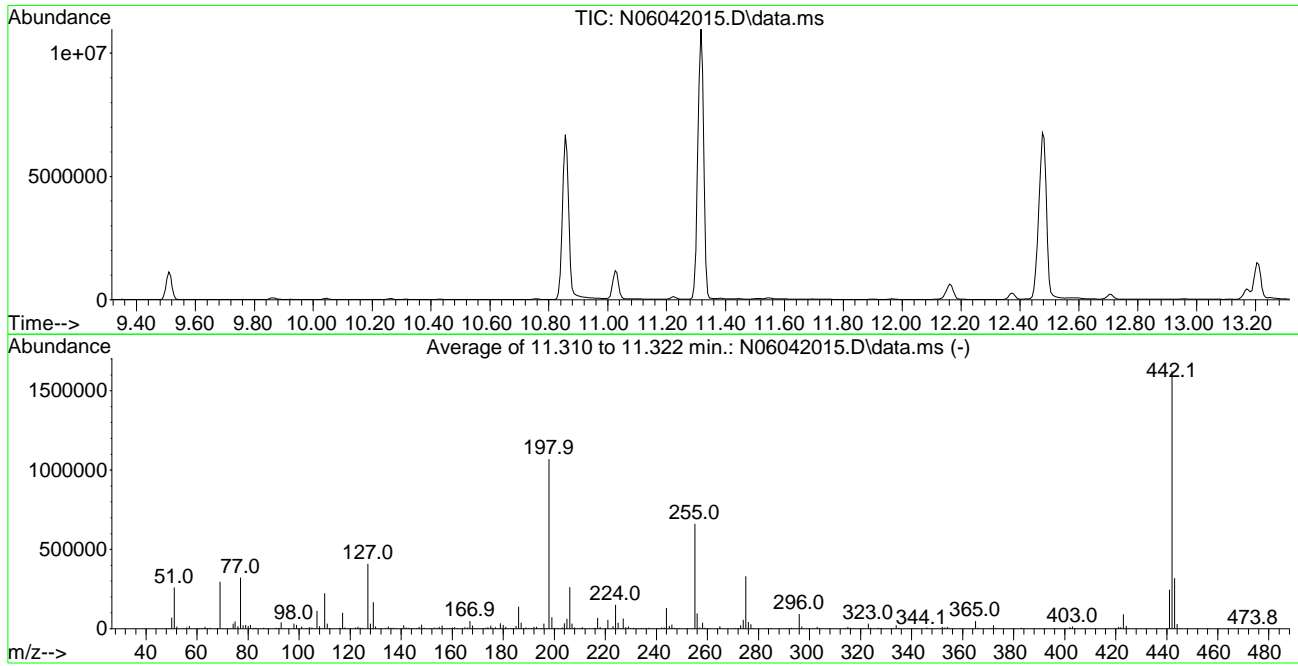
Comments:

Data Reviewed By/Date: dgj 6/5/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042015.D
 Acq On : 04 Jun 2020 03:43 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : R:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Tue Jun 02 15:33:25 2020



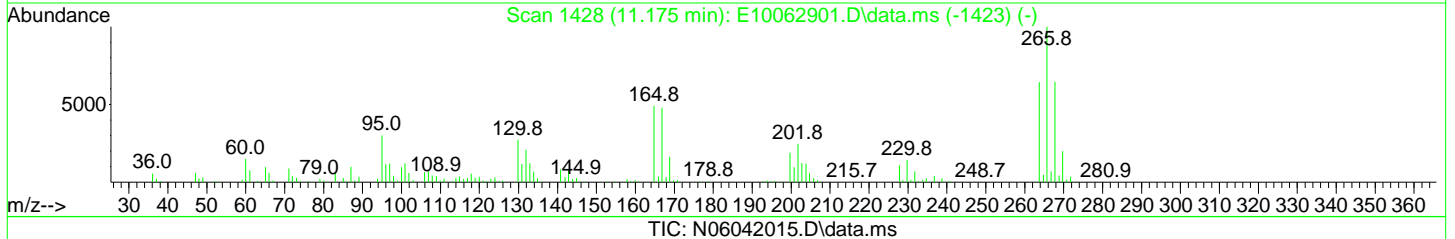
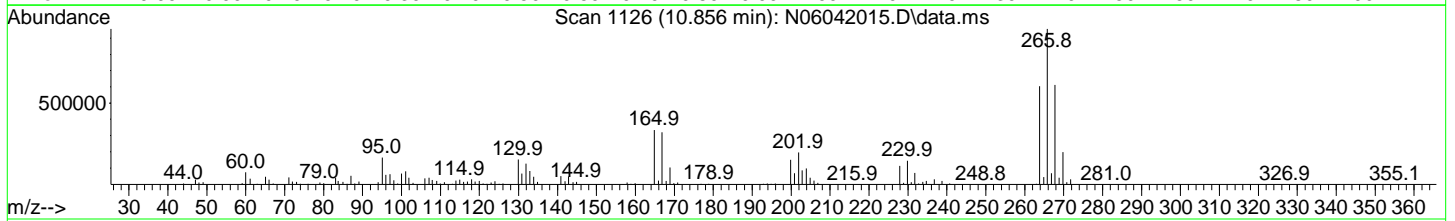
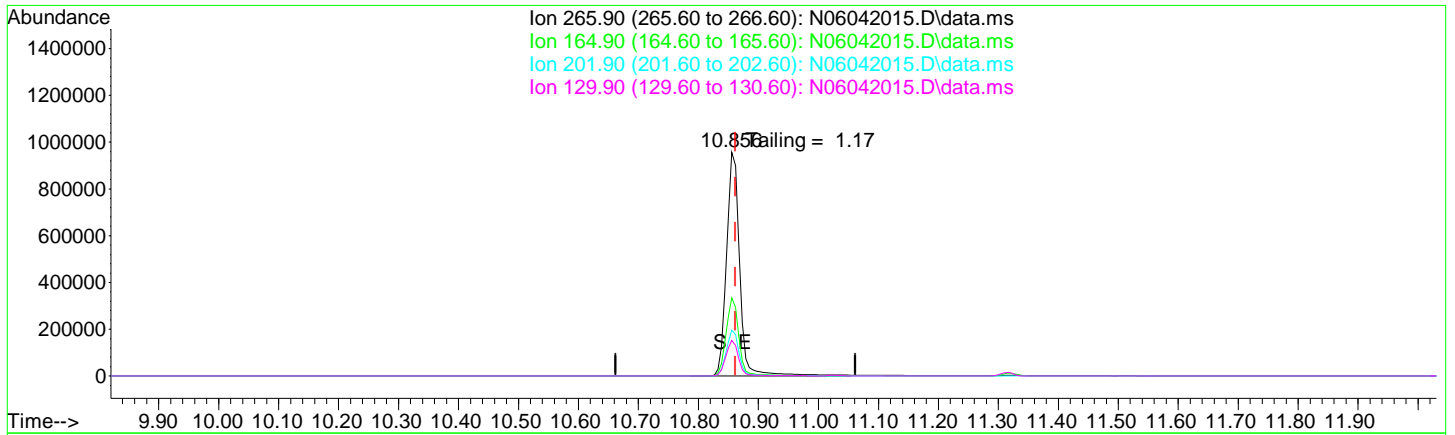
AutoFind: Scans 1204, 1205, 1206; Background Corrected with Scan 1198

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	4861	PASS
69	69	100	100	100.0	296129	PASS
70	69	0.00	2	0.5	1451	PASS
197	198	0.00	2	0.2	1895	PASS
198	198	100	100	100.0	1069739	PASS
199	198	5	9	6.8	72293	PASS
365	198	1	100	4.6	49107	PASS
441	443	0.01	150	77.8	246976	PASS
442	198	0.10	200	151.9	1624747	PASS
443	442	15	24	19.5	317461	PASS

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042015.D
 Acq On : 04 Jun 2020 03:43 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 16:02:30 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration



TIC: N06042015.D\data.ms

(4) Pentachlorophenol

10.856min (-0.006) 46.99 ug/mL

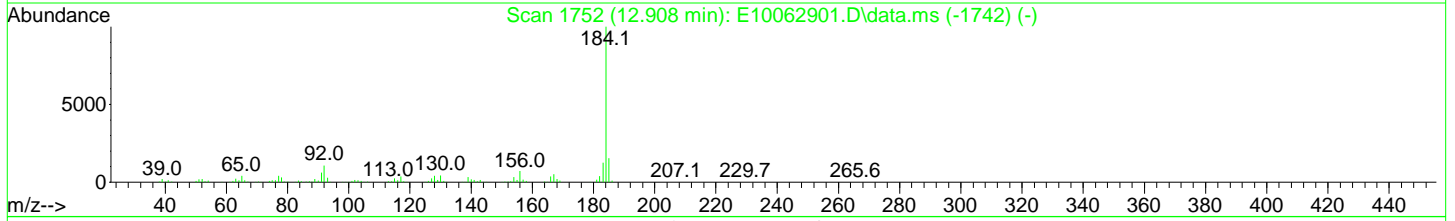
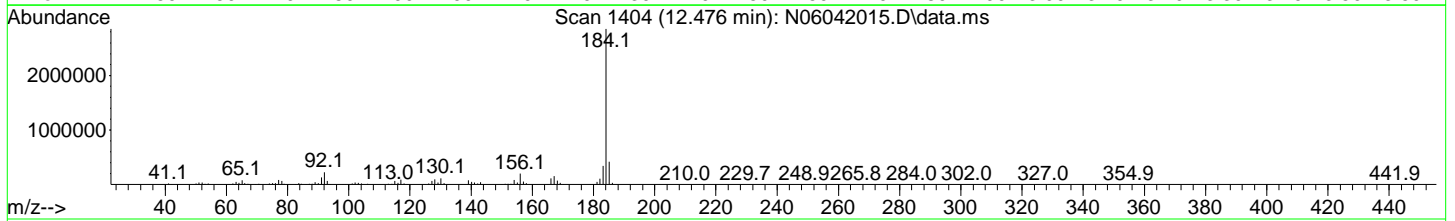
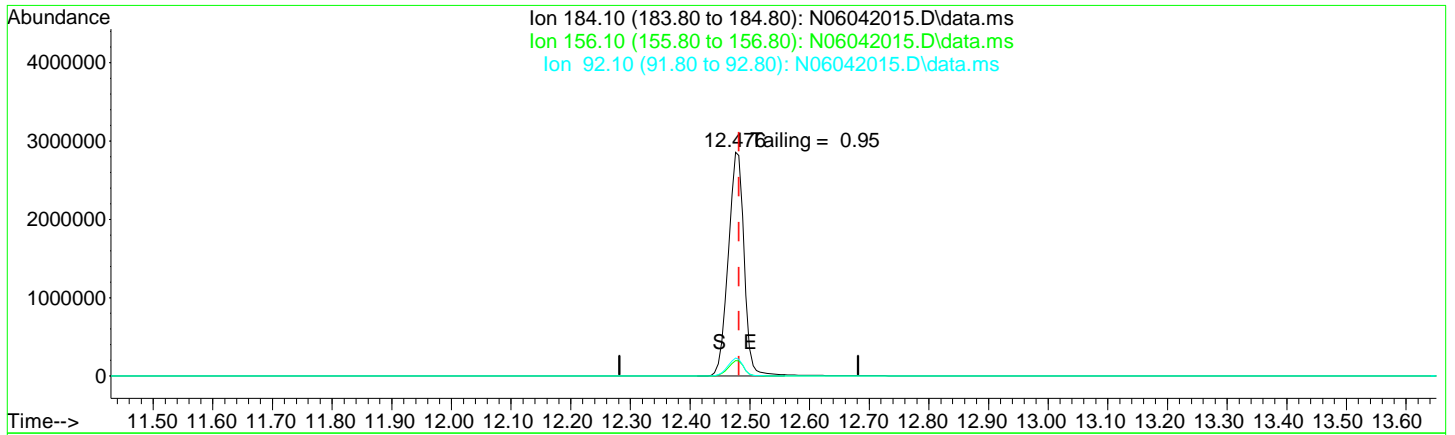
response 1465444

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	34.93
201.90	25.80	20.56
129.90	27.30	16.03

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042015.D
 Acq On : 04 Jun 2020 03:43 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 16:02:30 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration



TIC: N06042015.D\data.ms

(7) Benzidine

12.476min (-0.006) 23.72 ug/mL

response 5294902

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.93
92.10	8.20	8.00
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:

0F04059-TUN1

SV-GCMS14

First Column Area Counts	Percent Breakdown	
DDE	294679	
DDD	2301821	
DDT	15655039	14.23 PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042015.D
 Acq On : 04 Jun 2020 03:43 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-TUN1
 Misc : 1x, A20F011 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:06:15 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Jun 02 15:33:25 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

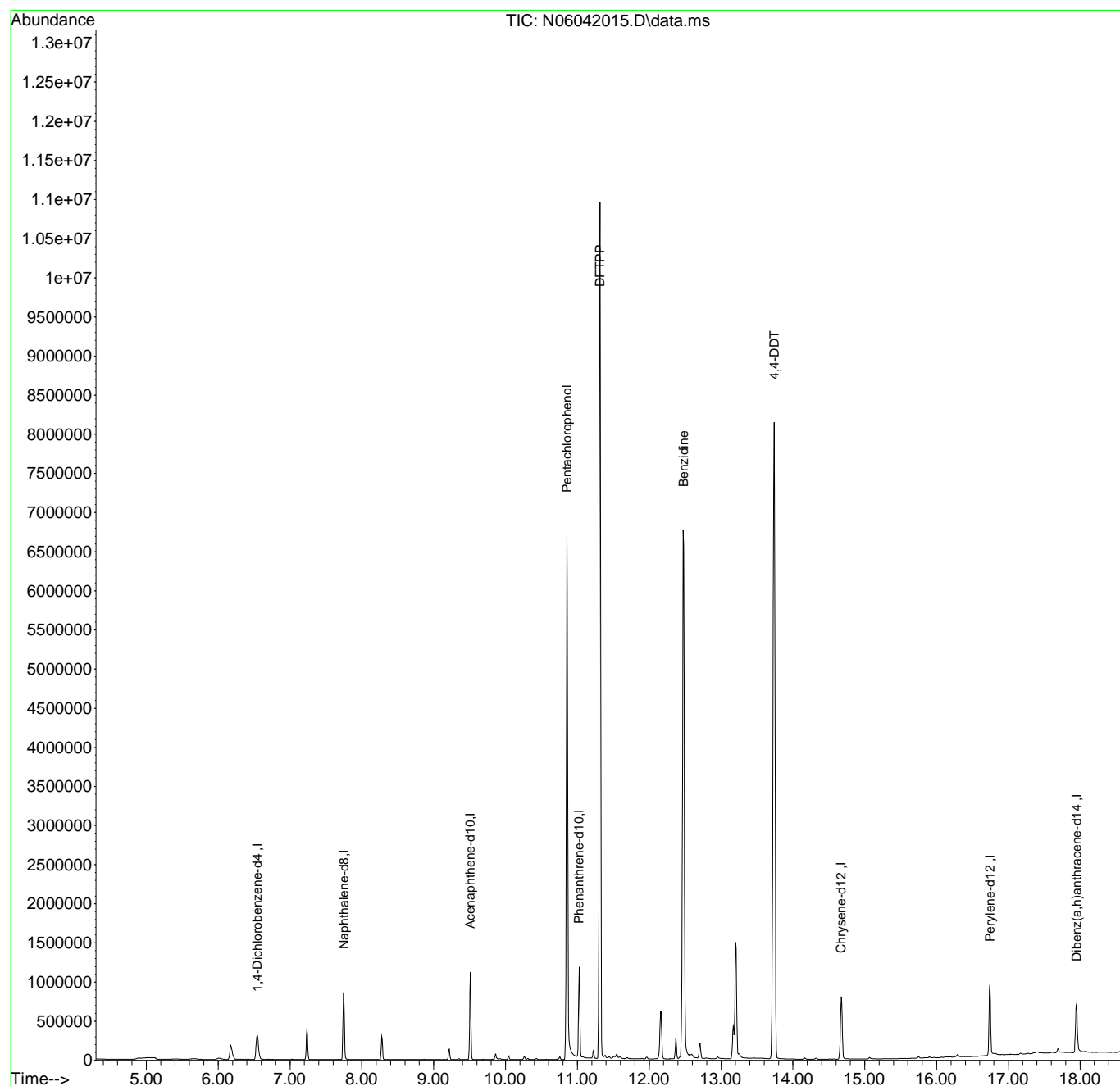
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.542	150	210607	2.00	ug/mL	0.00
2) Naphthalene-d8	7.749	136	588763	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.509	162	330222	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.025	188	627500	2.00	ug/mL	0.00
11) Chrysene-d12	14.673	240	539510	2.00	ug/mL	0.00
12) Perylene-d12	16.743	264	527087	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	17.949	292	478136	2.00	ug/mL	# 0.00
Target Compounds						Qvalue
4) Pentachlorophenol	10.856	266	1465444	46.99	ug/mL	81
6) DFTPP	11.316	442	2559233	50.52	ug/mL	70
7) Benzidine	12.476	184	5294902	23.72	ug/mL	97
8) 4,4-DDE	12.709	TIC	294679	No Calib		
9) 4,4-DDD	13.205	TIC	2301821	No Calib		
10) 4,4-DDT	13.741	TIC	15655039	24.33	ug/mL	94

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
Data File : N06042015.D
Acq On : 04 Jun 2020 03:43 pm
Operator : JK/ AMS/ DTH
Sample : 0F04059-TUN1
Misc : 1x, A20F011 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:06:15 2020
Quant Method : R:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Tue Jun 02 15:33:25 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

HML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042016.D
 Acq On : 04 Jun 2020 04:10 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 16:37:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 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	83	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	47.929	4.1	82	0.00
3 T	Decalin	50.000	56.488	-13.0	99	0.00
4 T	Naphthalene	50.000	48.224	3.6	82	0.00
5 T	2-Methylnaphthalene	50.000	51.429	-2.9	84	0.00
6 T	1-Methylnaphthalene	50.000	50.976	-2.0	83	0.00
7 T	1,1'-Biphenyl	50.000	49.893	0.2	83	0.00
8 T	2,6-Dimethylnaphthalene	50.000	54.921	-9.8	91	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	92	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	47.683	4.6	88	0.00
11 T	Acenaphthylene	50.000	52.194	-4.4	92	0.00
12 T	Acenaphthene	50.000	48.668	2.7	89	0.00
13 T	Dibenzofuran	50.000	49.184	1.6	90	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	53.155	-6.3	98	0.00
15 T	Fluorene	50.000	51.115	-2.2	96	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	95	0.00
17 T	Dibenzothiopene	50.000	50.192	-0.4	94	0.00
18 T	Phenanthrene	50.000	48.682	2.6	94	0.00
19 T	Anthracene	50.000	52.459	-4.9	99	0.00
20 T	Carbazole	50.000	44.996	10.0	81	0.01
21 T	1-Methylphenanthrene	50.000	52.355	-4.7	97	0.00
22 T	Fluoranthene	50.000	51.185	-2.4	97	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	75	0.02
24 T	Pyrene	50.000	59.937	-19.9	94	0.00
25 S	Terphenyl-d14 (Surr)	50.000	53.515	-7.0	81	0.00
26 T	Benz(a)anthracene	50.000	50.041	-0.1	79	0.01
27 T	Chrysene	50.000	47.512	5.0	72	0.01
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	72	0.02
29 T	Benzo(b)fluoranthene	50.000	51.695	-3.4	77	0.02
30 T	Benzo(k)fluoranthene	50.000	50.416	-0.8	72	0.02

Evaluate Continuing Calibration Report

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042016.D
 Acq On : 04 Jun 2020 04:10 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 04 16:37:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
31 T	Benzo(b+k)fluoranthene	100.000	102.195	-2.2	74	0.02
32 T	Benzo(e)pyrene	50.000	49.468	1.1	73	0.02
33 T	Benzo(a)pyrene	50.000	55.566	-11.1	75	0.02
34 T	Perylene	50.000	51.915	-3.8	69	0.02
35 I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	75	0.02
36 T	Indeno(1,2,3-cd)Pyrene	50.000	50.008	-0.0	76	0.02
37 T	Dibenz(a,h)anthracene	50.000	51.603	-3.2	77	0.02
38 T	Benzo(g,h,i)perylene	50.000	49.506	1.0	73	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042016.D
 Acq On : 04 Jun 2020 04:10 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 12:10:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.807	136	218899	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.562	162	134232	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.071	188	230627	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.784	240	179734	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.252	264	167121	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthrcene-d...	20.642	292	143028	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.114	82	32775	47.93	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.874	172	99094	47.68	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.832	244	92936	53.52	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.277	138	9887	56.49	ng/ml		91
4) Naphthalene	7.825	128	114976	48.22	ng/ml		100
5) 2-Methylnaphthalene	8.513	142	82331	51.43	ng/ml		97
6) 1-Methylnaphthalene	8.612	142	81027	50.98	ng/ml		96
7) 1,1'-Biphenyl	8.973	154	100672	49.89	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.136	156	76023	54.92	ng/ml		97
11) Acenaphthylene	9.416	152	130641	52.19	ng/ml		100
12) Acenaphthene	9.591	153	89361	48.67	ng/ml		99
13) Dibenzofuran	9.766	168	109306	49.18	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	9.976	170	76479	53.15	ng/ml		97
15) Fluorene	10.115	166	90241	51.11	ng/ml		99
17) Dibenzothiopene	10.966	184	116980	50.19	ng/ml		94
18) Phenanthrene	11.095	178	129233	48.68	ng/ml		99
19) Anthracene	11.147	178	114050	52.46	ng/ml		99
20) Carbazole	11.316	167	84455	45.00	ng/ml		99
21) 1-Methylphenanthrene	11.718	192	93722	52.35	ng/ml		98
22) Fluoranthene	12.348	202	133915	51.18	ng/ml		96
24) Pyrene	12.633	202	139728	59.94	ng/ml		99
26) Benz(a)anthracene	14.761	228	93271	50.04	ng/ml		100
27) Chrysene	14.842	228	91079	47.51	ng/ml		100
29) Benzo(b)fluoranthene	17.343	252	89311	51.69	ng/ml		92
30) Benzo(k)fluoranthene	17.407	252	86831	50.42	ng/ml		92
31) Benzo(b+k)fluoranthene	17.407	252	185658	102.19	ng/ml		92
32) Benzo(e)pyrene	17.996	252	89364	49.47	ng/ml		97

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042016.D
 Acq On : 04 Jun 2020 04:10 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 12:10:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

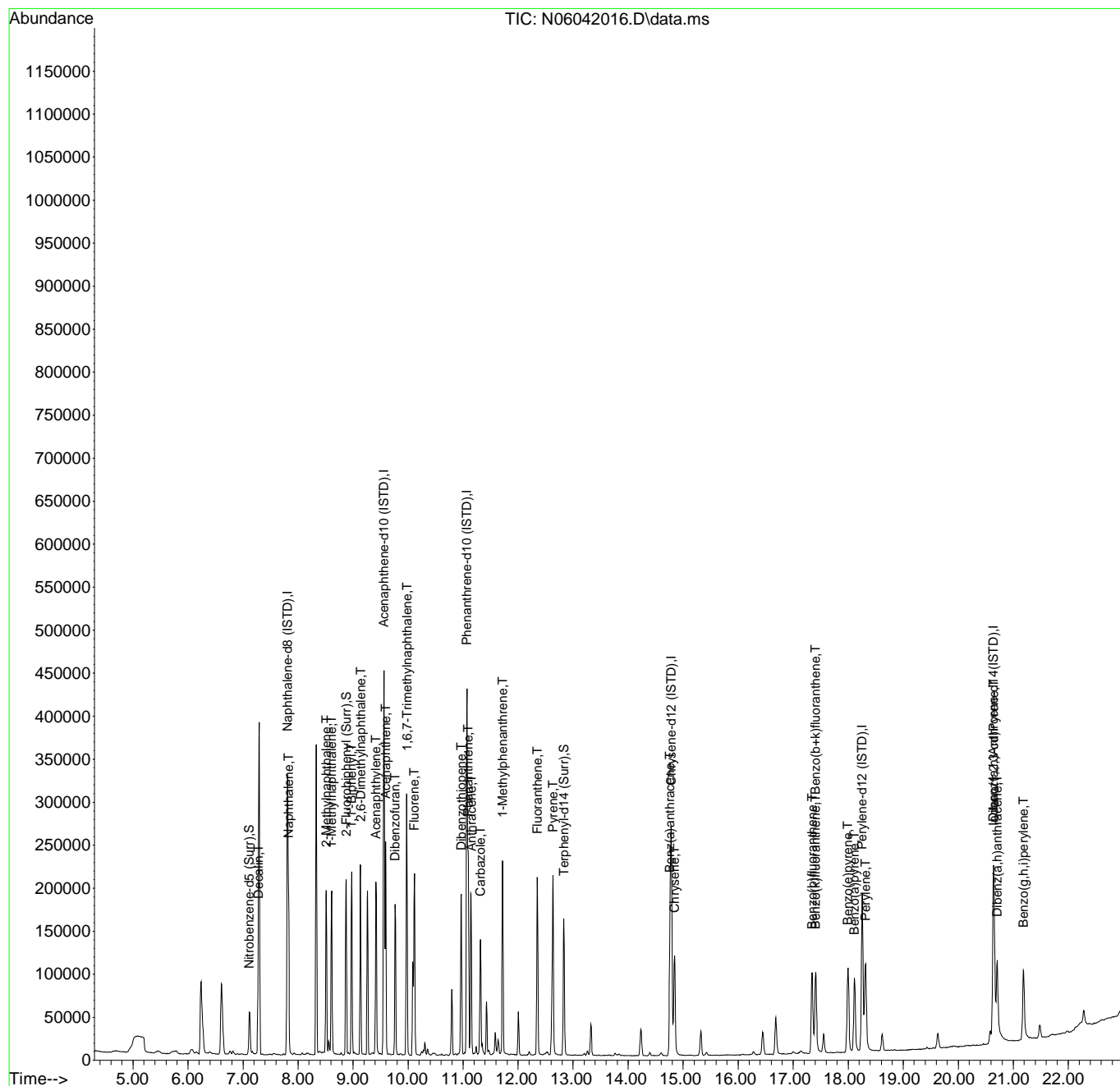
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	77039	55.57	ng/ml	96
34) Perylene	18.316	252	96569	51.92	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.648	276	77697	50.01	ng/ml	76
37) Dibenz(a,h)anthracene	20.706	278	80845	51.60	ng/ml	82
38) Benzo(g,h,i)perylene	21.184	276	82509	49.51	ng/ml	79

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042016.D
 Acq On : 04 Jun 2020 04:10 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 12:10:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



HML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042017.D
 Acq On : 04 Jun 2020 04:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 12:12:33 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.807	136	220860	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.562	162	129360	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.066	188	193795	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.784	240	140243	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.252	264	132307	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthrcene-d...	20.642	292	117097	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.120	82	63	0.09	ng/ml	0.01	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
25) Terphenyl-d14 (Surr)	12.826	244	80	0.06	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.831	128	240		N.D.		
5) 2-Methylnaphthalene	8.513	142	72		N.D.		
6) 1-Methylnaphthalene	0.000		0		N.D.		
7) 1,1'-Biphenyl	8.973	154	129		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
11) Acenaphthylene	9.416	152	85		N.D.		
12) Acenaphthene	9.591	153	111		N.D.		
13) Dibenzofuran	0.000		0		N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.		
15) Fluorene	10.116	166	65		N.D.		
17) Dibenzothiopene	0.000		0		N.D.		
18) Phenanthrene	11.095	178	189		N.D.		
19) Anthracene	11.095	178	189		N.D.		
20) Carbazole	11.345	167	130		N.D.		
21) 1-Methylphenanthrene	0.000		0		N.D.		
22) Fluoranthene	12.348	202	73		N.D.		
24) Pyrene	12.639	202	81		N.D.		
26) Benz(a)anthracene	14.784	228	402		N.D.		
27) Chrysene	14.784	228	351		N.D.		
29) Benzo(b)fluoranthene	17.413	252	58		N.D.		
30) Benzo(k)fluoranthene	17.413	252	65		N.D.		
31) Benzo(b+k)fluoranthene	17.413	252	65		N.D.		
32) Benzo(e)pyrene	18.252	252	368		N.D.		

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042017.D
 Acq On : 04 Jun 2020 04:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0F04059-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 12:12:33 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

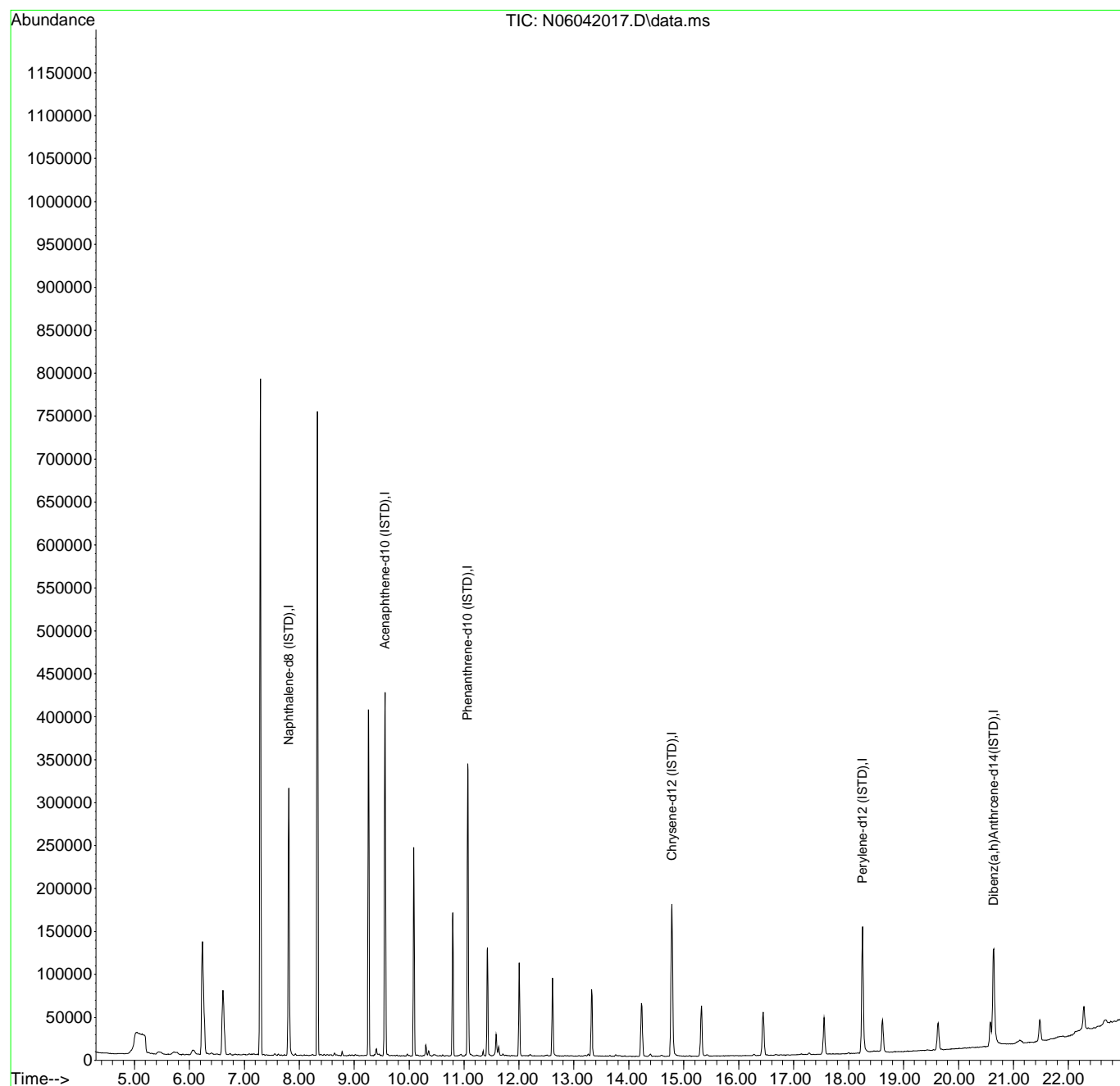
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	0.000		0			N.D.
34) Perylene	18.311	252	61			N.D.
36) Indeno(1,2,3-cd)Pyrene	20.648	276	94			N.D.
37) Dibenz(a,h)anthracene	20.706	278	54			N.D.
38) Benzo(g,h,i)perylene	0.000		0			N.D.

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
Data File : N06042017.D
Acq On : 04 Jun 2020 04:42 pm
Operator : JK/ AMS/ DTH
Sample : 0F04059-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 12:12:33 2020
Quant Method : R:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



AML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042018.D
 Acq On : 04 Jun 2020 05:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060184-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:14:22 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.802	136	238753	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	126641	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.066	188	211731	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	200906	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	187992	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	156889	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	46267	62.03	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.868	172	123621	63.05	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	169882	87.51	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0		N.D.	
4) Naphthalene	7.825	128	1652	0.64	ng/ml	95
5) 2-Methylnaphthalene	8.507	142	434		N.D.	
6) 1-Methylnaphthalene	8.612	142	232		N.D.	
7) 1,1'-Biphenyl	8.973	154	507		N.D.	
8) 2,6-Dimethylnaphthalene	9.142	156	268		N.D.	
11) Acenaphthylene	9.416	152	284		N.D.	
12) Acenaphthene	9.591	153	611		N.D.	
13) Dibenzofuran	9.766	168	136		N.D.	
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.	
15) Fluorene	10.116	166	444		N.D.	
17) Dibenzothiopene	10.961	184	459		N.D.	
18) Phenanthrene	11.089	178	3544	1.45	ng/ml	94
19) Anthracene	11.147	178	567		N.D.	
20) Carbazole	11.316	167	196		N.D.	
21) 1-Methylphenanthrene	11.718	192	209		N.D.	
22) Fluoranthene	12.354	202	2194	0.91	ng/ml	93
24) Pyrene	12.633	202	2787	1.07	ng/ml	94
26) Benz(a)anthracene	14.767	228	1191	0.57	ng/ml	96
27) Chrysene	14.837	228	972	0.45	ng/ml	94
29) Benzo(b)fluoranthene	17.343	252	646		N.D.	
30) Benzo(k)fluoranthene	17.343	252	983	0.51	ng/ml	83
31) Benzo(b+k)fluoranthene	17.343	252	998	0.49	ng/ml	83
32) Benzo(e)pyrene	17.996	252	538		N.D.	

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042018.D
 Acq On : 04 Jun 2020 05:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060184-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:14:22 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

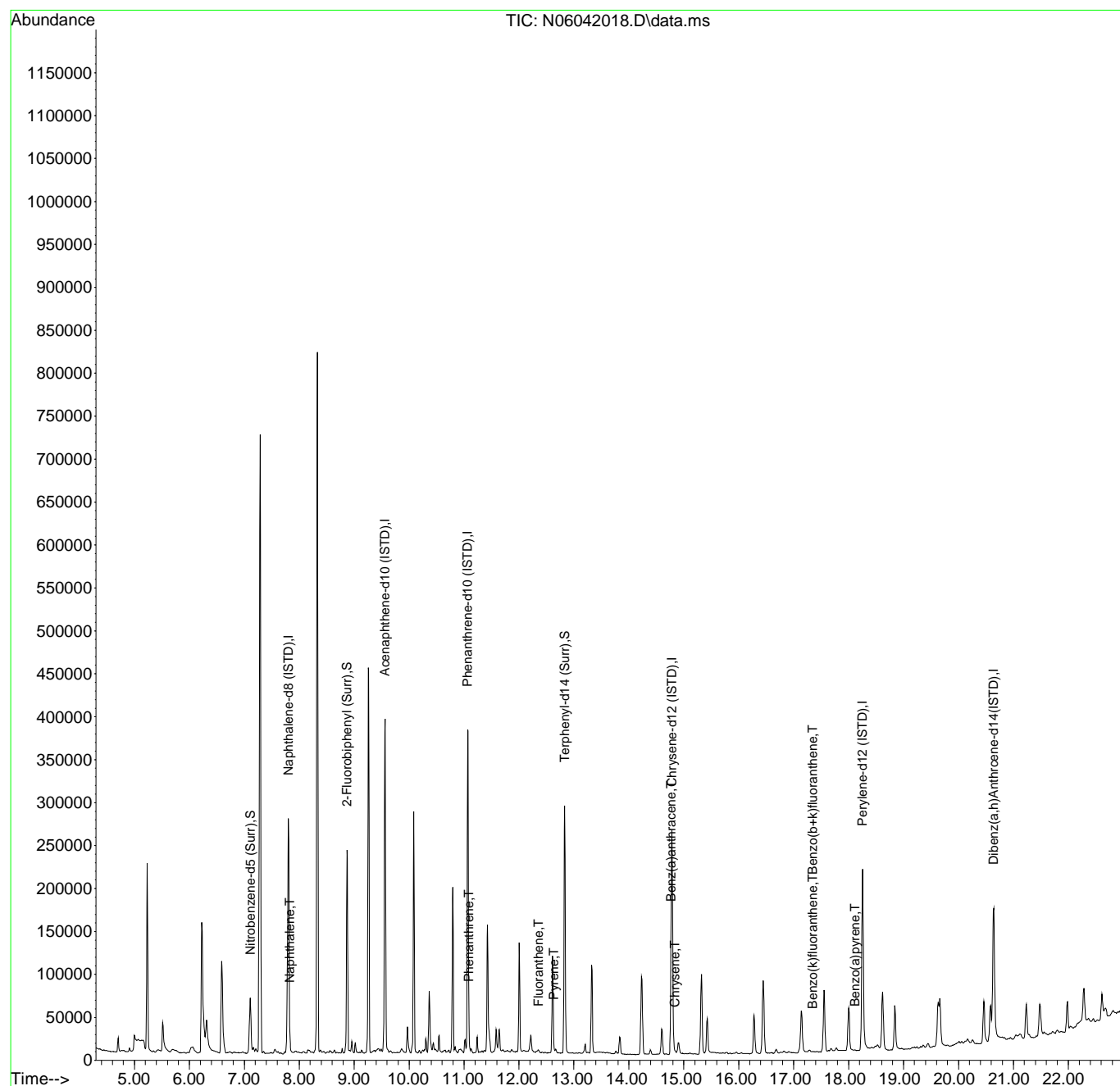
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.118	252	511	0.64	ng/ml	74
34) Perylene	18.311	252	235	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.642	276	454	N.D.		
37) Dibenz(a,h)anthracene	20.700	278	155	N.D.		
38) Benzo(g,h,i)perylene	21.178	276	429	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
Data File : N06042018.D
Acq On : 04 Jun 2020 05:15 pm
Operator : JK/ AMS/ DTH
Sample : 0060184-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:14:22 2020
Quant Method : R:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



HML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042019.D
 Acq On : 04 Jun 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060184-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:14:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.802	136	263042	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	152026	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.066	188	284529	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	254642	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.252	264	242393	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.642	292	203769	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	51665	62.87	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.868	172	146244	62.14	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	193851	78.79	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.271	138	5769	27.43	ng/ml	91
4) Naphthalene	7.825	128	84471	29.48	ng/ml	98
5) 2-Methylnaphthalene	8.507	142	59282	30.82	ng/ml	97
6) 1-Methylnaphthalene	8.606	142	57829	30.28	ng/ml	96
7) 1,1'-Biphenyl	8.973	154	75577	31.17	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.136	156	54013	32.47	ng/ml	96
11) Acenaphthylene	9.416	152	90942	32.08	ng/ml	100
12) Acenaphthene	9.591	153	63734	30.65	ng/ml	99
13) Dibenzofuran	9.766	168	79770	31.69	ng/ml	96
14) 1,6,7-Trimethylnaphtha...	9.976	170	54516	33.46	ng/ml	100
15) Fluorene	10.116	166	66432	33.22	ng/ml	100
17) Dibenzothiopene	10.961	184	90737	31.56	ng/ml	94
18) Phenanthrene	11.089	178	102109	31.18	ng/ml	100
19) Anthracene	11.142	178	91133	33.98	ng/ml	99
20) Carbazole	11.316	167	76258	32.93	ng/ml	98
21) 1-Methylphenanthrene	11.719	192	76578	34.67	ng/ml	98
22) Fluoranthene	12.348	202	115343	35.73	ng/ml	95
24) Pyrene	12.634	202	117578	35.60	ng/ml	99
26) Benz(a)anthracene	14.761	228	91866	34.79	ng/ml	99
27) Chrysene	14.843	228	94869	34.93	ng/ml	99
29) Benzo(b)fluoranthene	17.343	252	89159	35.58	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	85445	34.20	ng/ml	91
31) Benzo(b+k)fluoranthene	17.343	252	185110	70.25	ng/ml	90
32) Benzo(e)pyrene	17.996	252	90839	34.67	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042019.D
 Acq On : 04 Jun 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060184-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:14:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

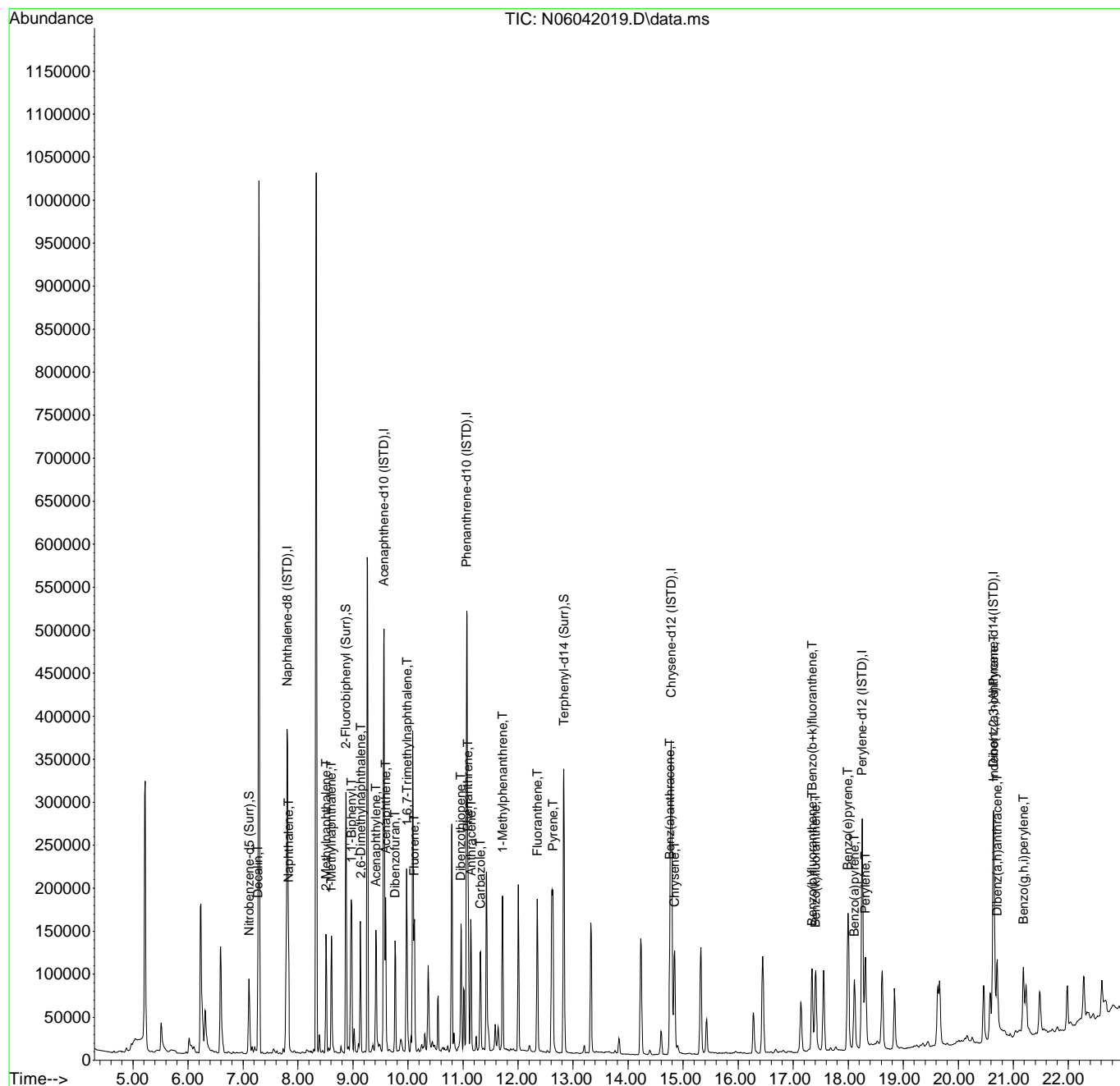
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.113	252	73028	36.73	ng/ml	97
34) Perylene	18.311	252	95486	35.39	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.648	276	77811	35.15	ng/ml	79
37) Dibenz(a,h)anthracene	20.706	278	76495	34.27	ng/ml	82
38) Benzo(g,h,i)perylene	21.184	276	81966	34.52	ng/ml	79

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042019.D
 Acq On : 04 Jun 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060184-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:14:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



ATML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 13:32:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	248126	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	149274	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	272877	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	232119	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.258	264	217226	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.642	292	183336	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	48403	62.45	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	141450	61.21	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	164872	73.51	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.825	128	11372	4.21	ng/ml	98
5) 2-Methylnaphthalene	8.513	142	1891	1.04	ng/ml	94
6) 1-Methylnaphthalene	8.612	142	1298	0.72	ng/ml	97
7) 1,1'-Biphenyl	8.973	154	1017	0.44	ng/ml	94
8) 2,6-Dimethylnaphthalene	9.142	156	981	0.63	ng/ml#	1
11) Acenaphthylene	9.416	152	1697	0.61	ng/ml	91
12) Acenaphthene	9.591	153	6961	3.41	ng/ml	96
13) Dibenzofuran	9.766	168	481	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.976	170	776	0.48	ng/ml#	1
15) Fluorene	10.115	166	1753	0.89	ng/ml	94
17) Dibenzothiopene	10.966	184	4105	1.49	ng/ml	96
18) Phenanthrene	11.095	178	8516	2.71	ng/ml	98
19) Anthracene	11.147	178	3513	1.37	ng/ml	96
20) Carbazole	11.316	167	377	N.D.		
21) 1-Methylphenanthrene	11.701	192	3505	1.65	ng/ml#	24
22) Fluoranthene	12.348	202	18678	6.03	ng/ml	95
24) Pyrene	12.633	202	120829	40.13	ng/ml	99
26) Benz(a)anthracene	14.767	228	4627	1.92	ng/ml	79
27) Chrysene	14.842	228	8107	3.27	ng/ml	98
29) Benzo(b)fluoranthene	17.349	252	4444	1.98	ng/ml	92
30) Benzo(k)fluoranthene	17.413	252	1416m	0.63	ng/ml	
31) Benzo(b+k)fluoranthene	17.349	252	6643	2.81	ng/ml	91
32) Benzo(e)pyrene	17.996	252	3127	1.33	ng/ml	82

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 13:32:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

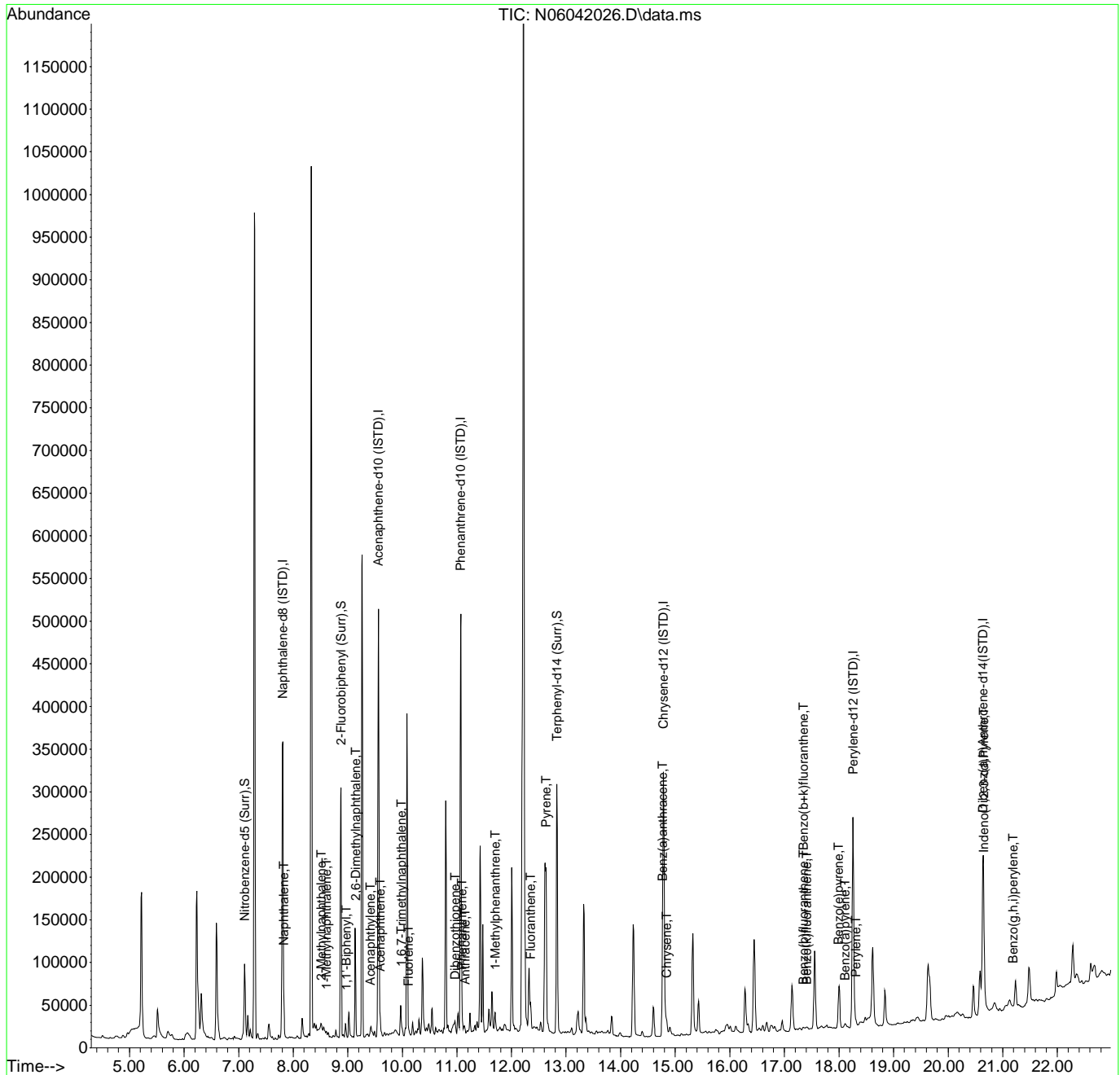
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	3527	2.30	ng/ml	89
34) Perylene	18.310	252	1973	0.82	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.654	276	3027	1.52	ng/ml	96
37) Dibenz(a,h)anthracene	20.706	278	505	N.D.		
38) Benzo(g,h,i)perylene	21.190	276	3383	1.58	ng/ml	86

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

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

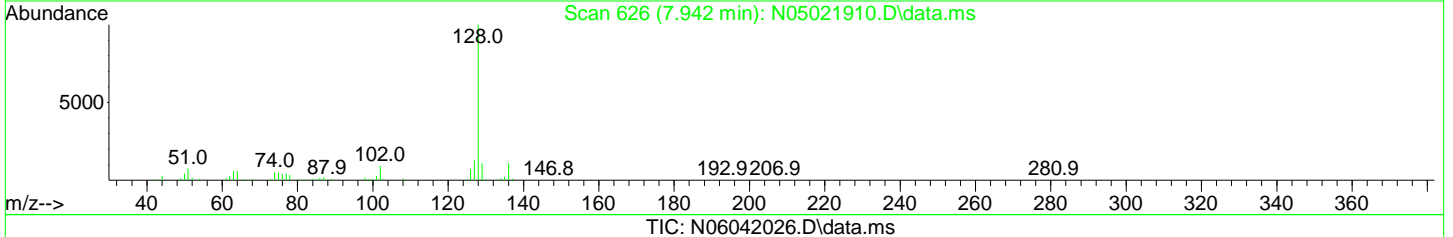
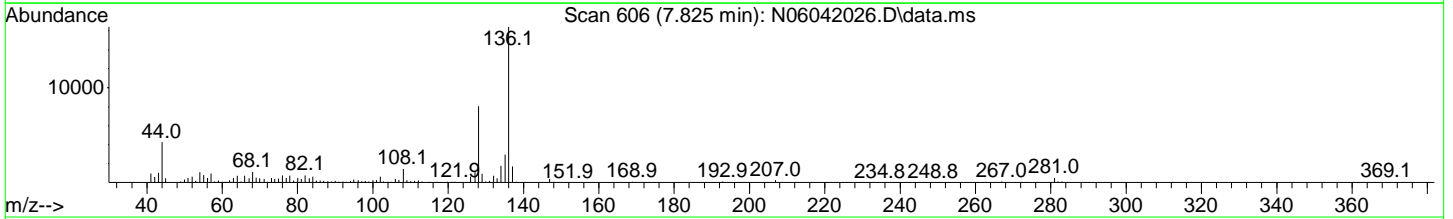
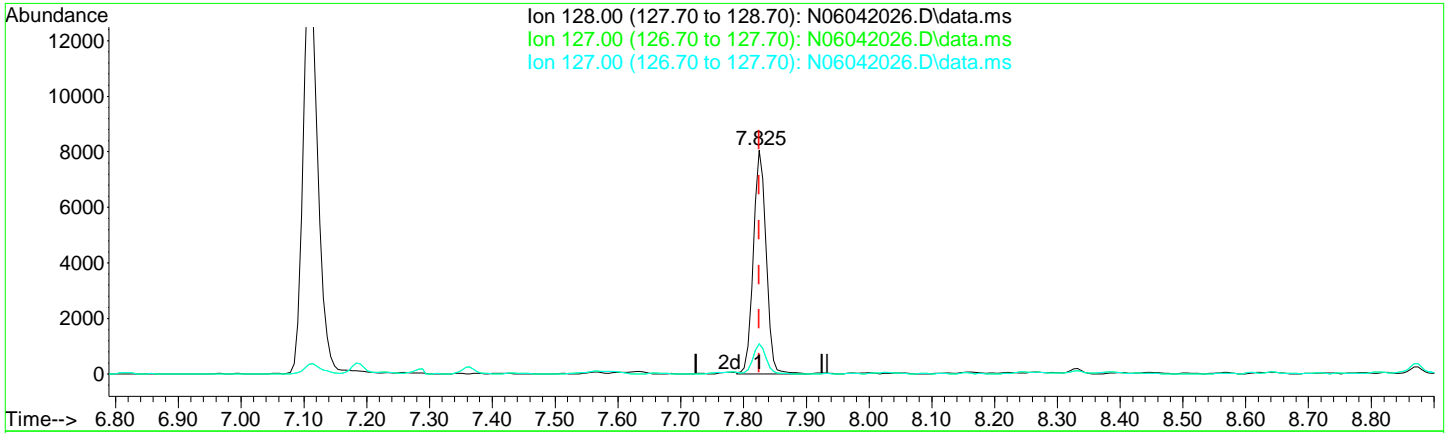
Quant Time: Jun 05 13:32:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.825min (-0.000) 4.21 ng/ml

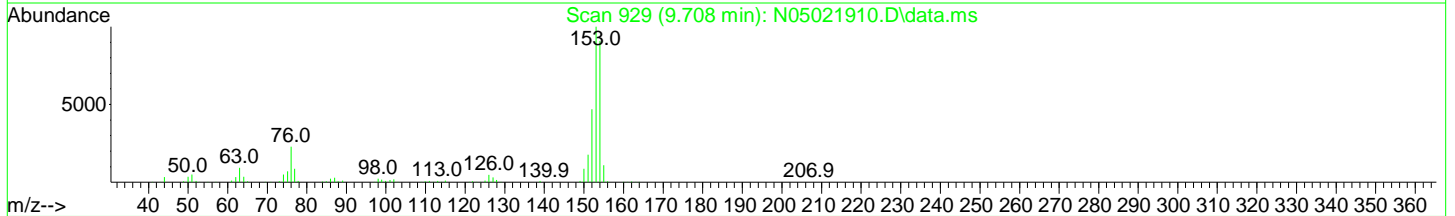
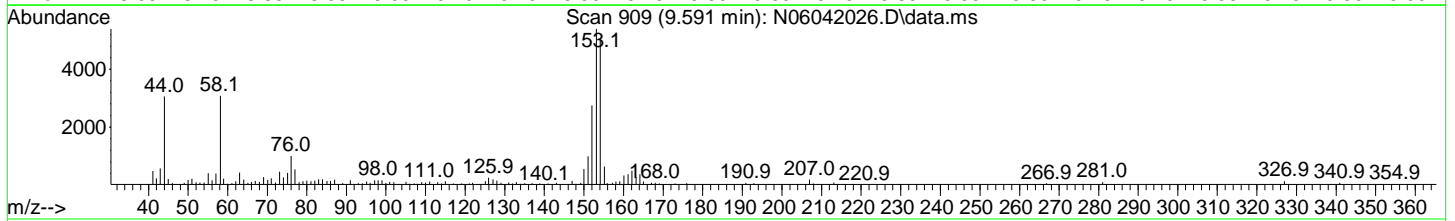
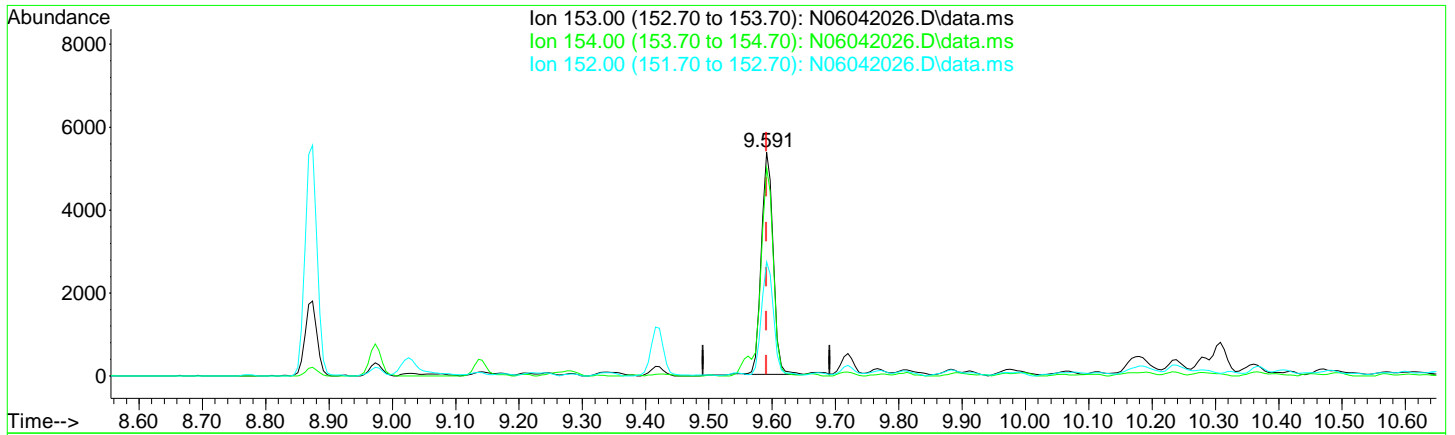
response 11372

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.44
127.00	12.60	13.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042026.D\data.ms

(12) Acenaphthene (T)

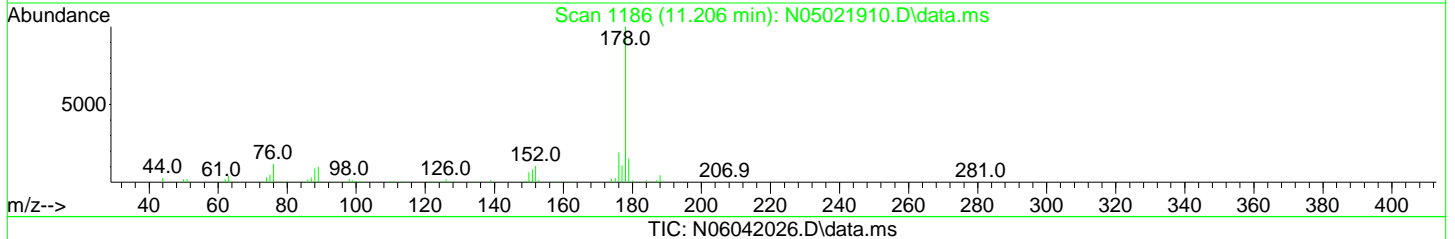
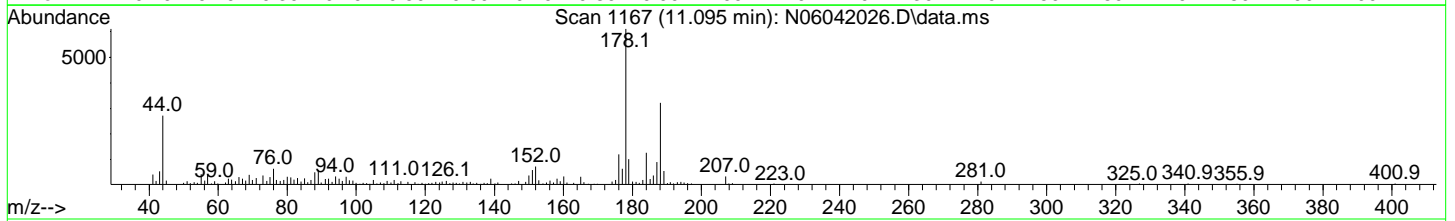
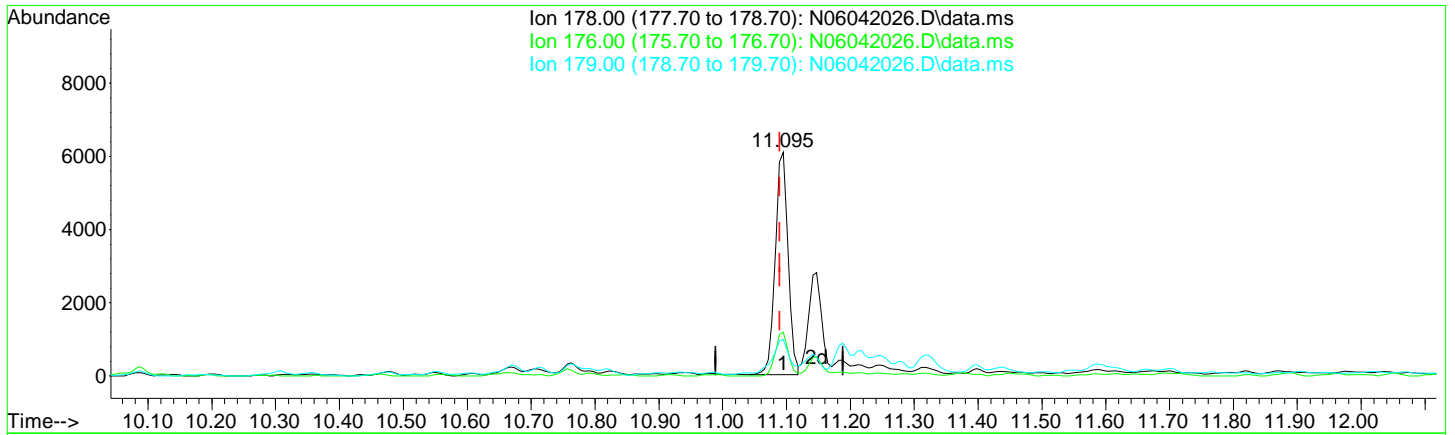
9.591min (-0.000) 3.41 ng/ml

response		
6961	Ion	Exp%
	Act%	
	153.00	100.00
	154.00	90.70
	152.00	46.80
	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042026.D\data.ms

(18) Phenanthrene (T)

11.095min (+ 0.006) 2.71 ng/ml

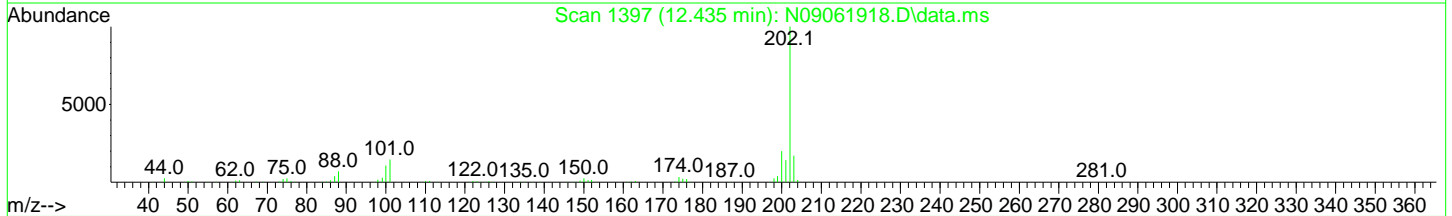
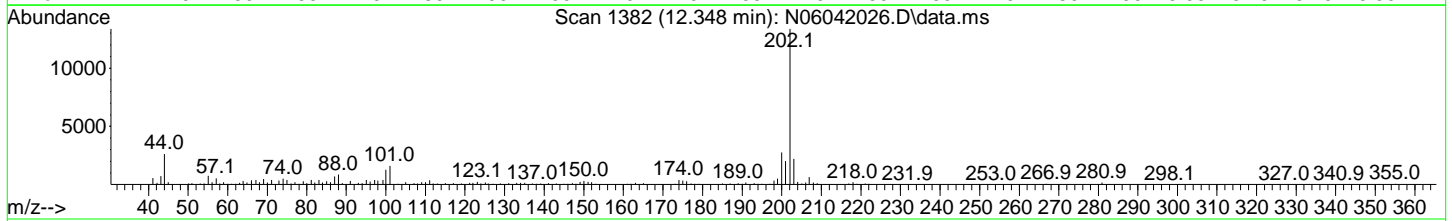
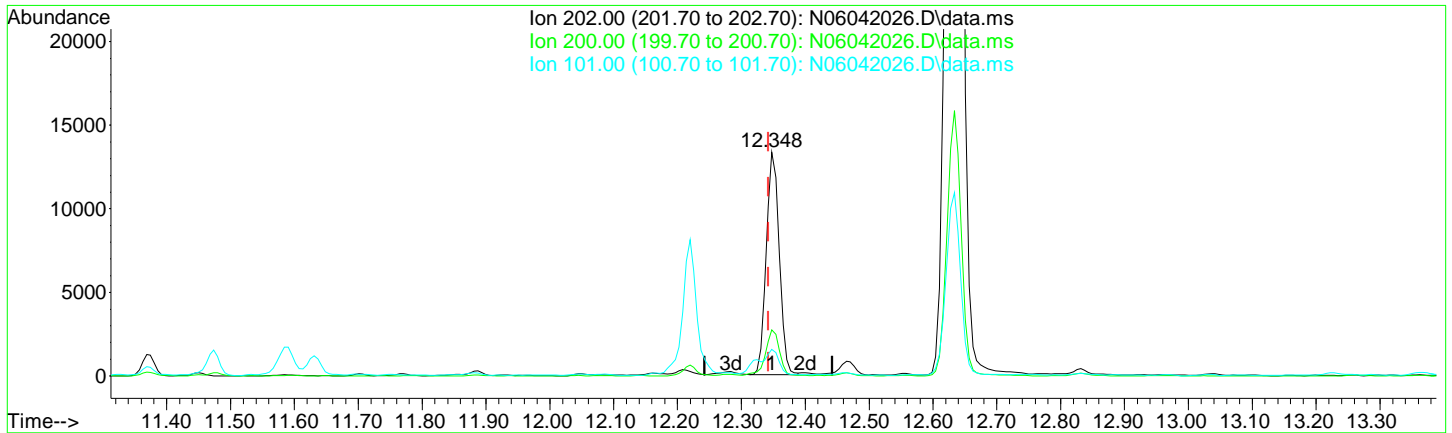
response 8516

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.63
179.00	15.10	16.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042026.D\data.ms

(22) Fluoranthene (T)

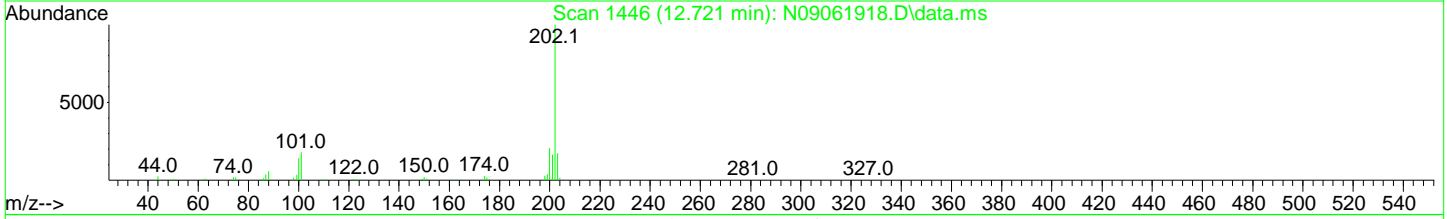
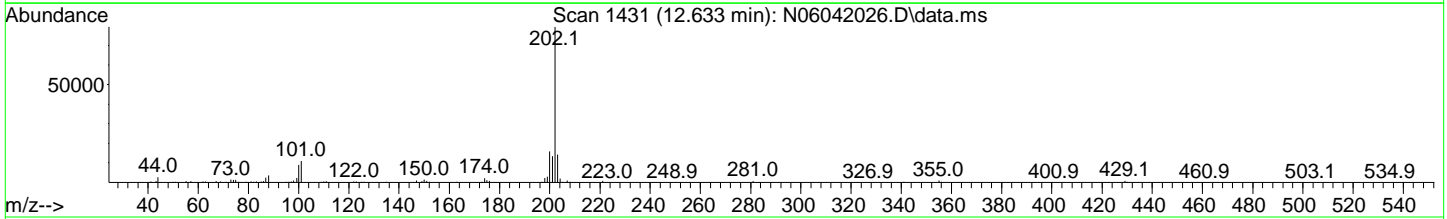
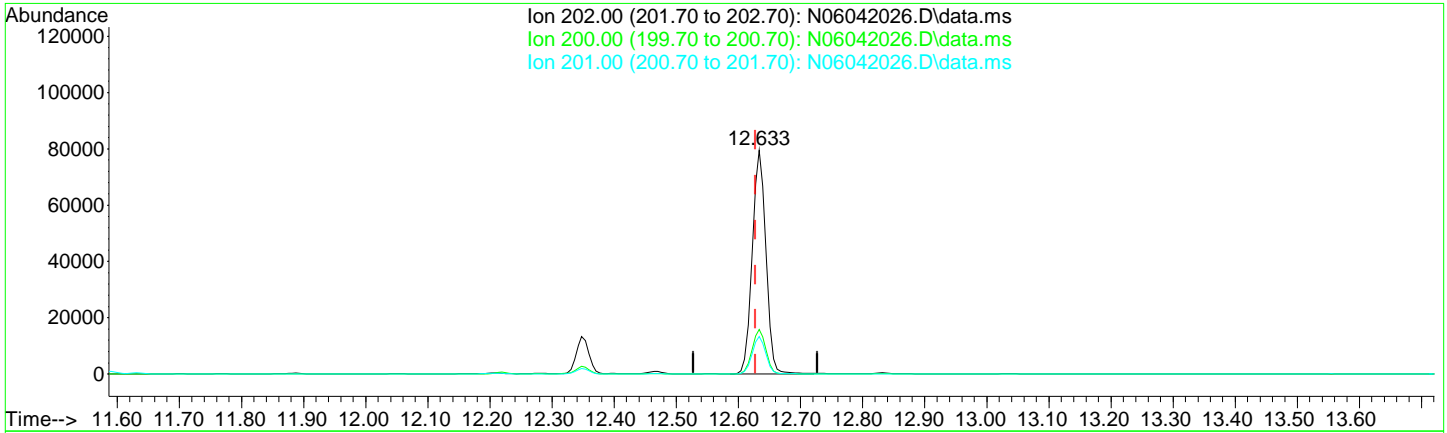
12.348min (+ 0.006) 6.03 ng/ml

response	18678
Ion	Exp% Act%
202.00	100.00 100.00
200.00	19.70 20.60
101.00	15.30 12.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042026.D\data.ms

(24) Pyrene (T)

12.633min (+ 0.006) 40.13 ng/ml

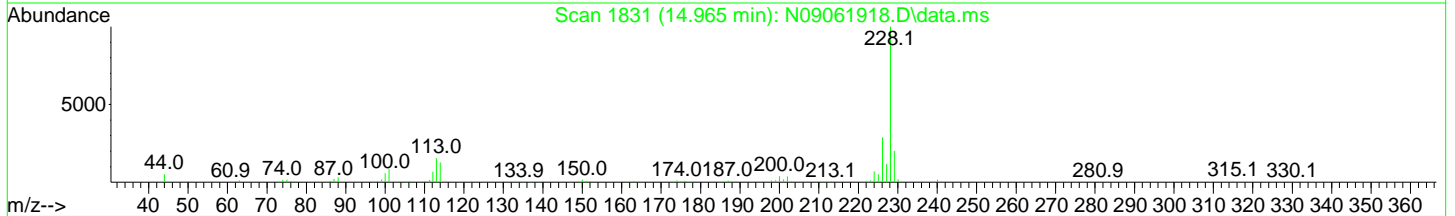
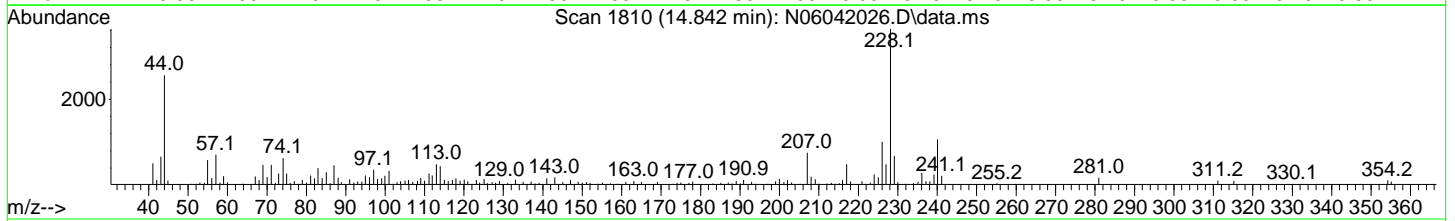
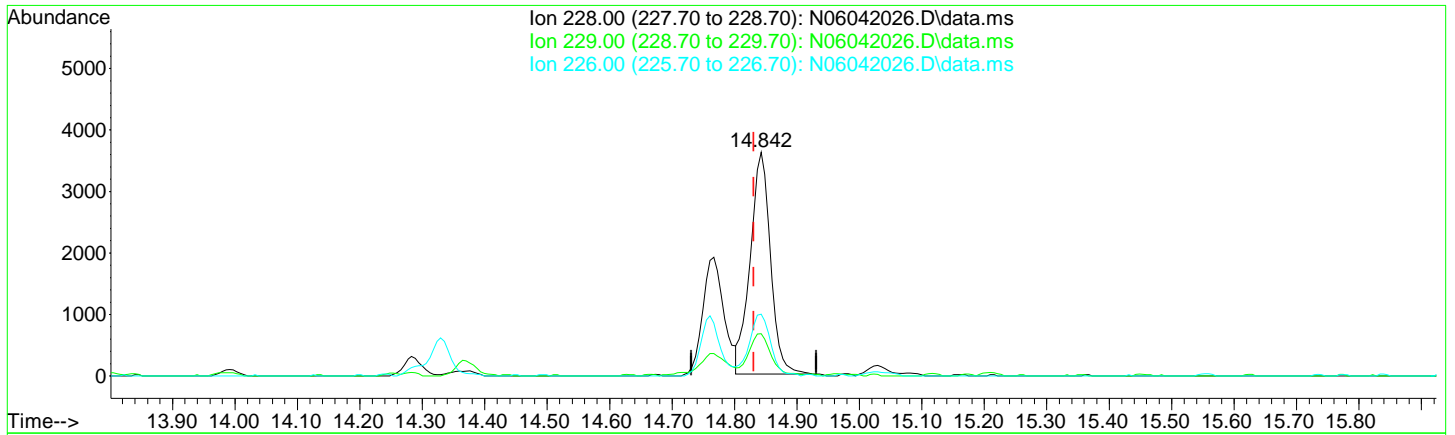
response 120829

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	19.97
201.00	16.80	16.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



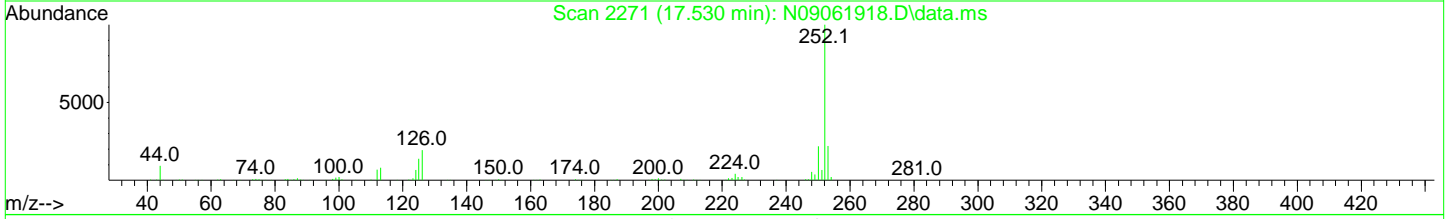
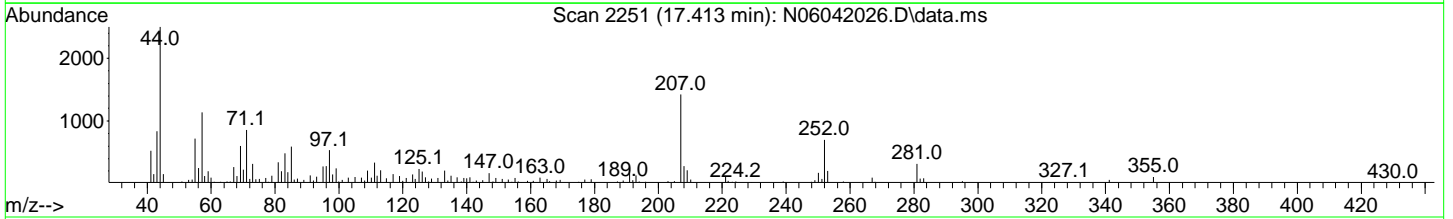
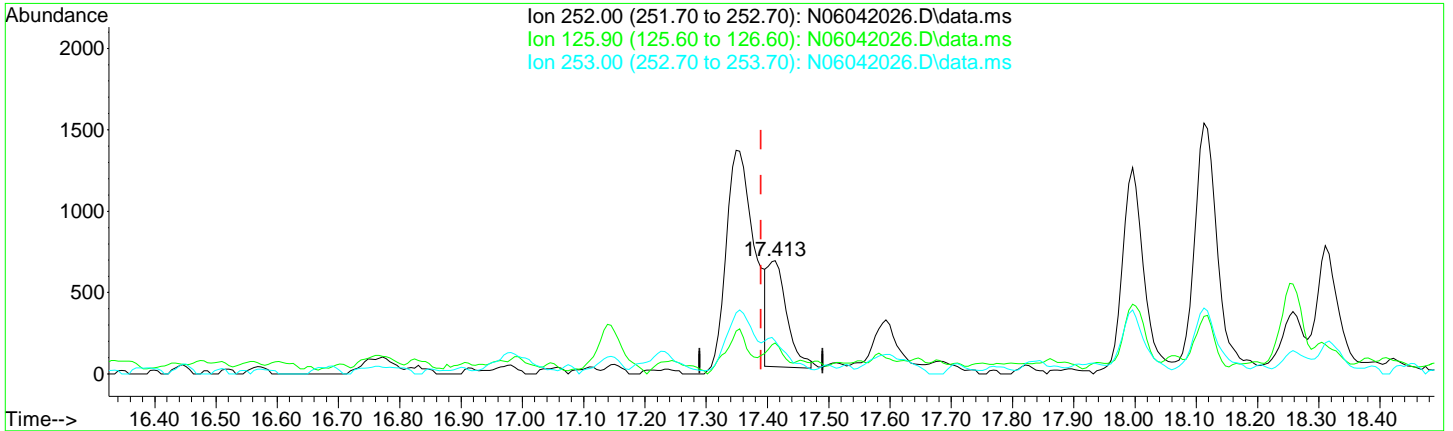
TIC: N06042026.D\data.ms

(27) Chrysene (T)		
Time	Response	Concentration
14.842min (+ 0.011)	8107	3.27 ng/ml
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	18.86
226.00	28.60	27.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042026.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.413min (+ 0.023) 0.63 ng/ml m

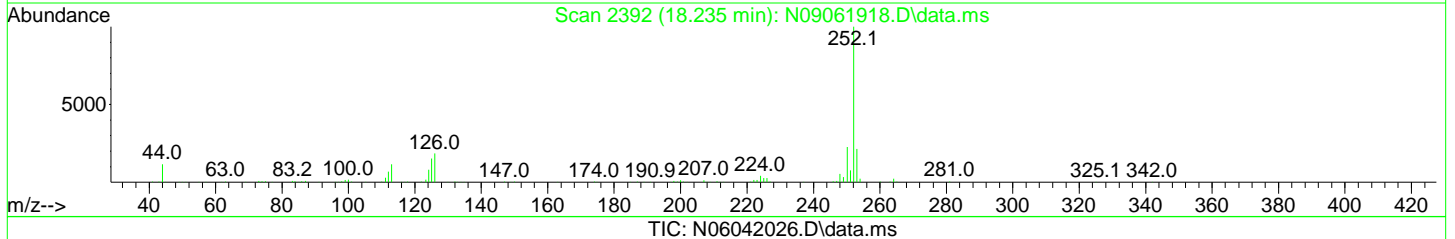
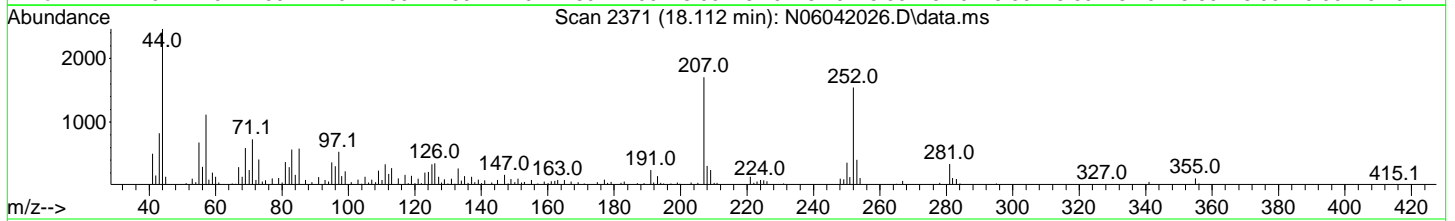
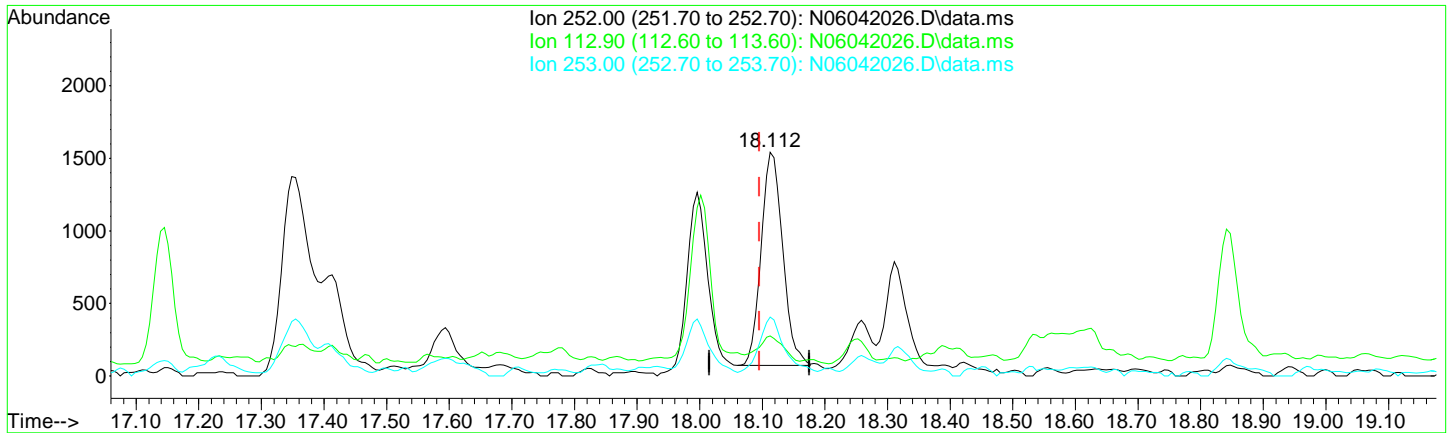
response 1416

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	27.22
253.00	21.50	29.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042026.D
 Acq On : 04 Jun 2020 09:33 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 12:18:36 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042026.D\data.ms

(33) Benzo(a)pyrene (T)		
18.112min (+ 0.017)	2.30 ng/ml	
response	3527	
Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	17.96
253.00	21.90	26.39
0.00	0.00	0.00

AML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042027.D
 Acq On : 04 Jun 2020 10:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-MS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 12:18:39 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.802	136	253811	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	140708	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	248967	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	261107	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.258	264	249331	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.642	292	214963	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.108	82	53412	67.36	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.868	172	145102	66.61	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	182362	72.28	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.271	138	6260	30.85	ng/ml	88
4) Naphthalene	7.825	128	86855	31.42	ng/ml	98
5) 2-Methylnaphthalene	8.507	142	60852	32.78	ng/ml	97
6) 1-Methylnaphthalene	8.606	142	58831	31.92	ng/ml	96
7) 1,1'-Biphenyl	8.973	154	71988	30.77	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.136	156	51448	32.06	ng/ml	97
11) Acenaphthylene	9.416	152	89154	33.98	ng/ml	99
12) Acenaphthene	9.591	153	68128	35.40	ng/ml	99
13) Dibenzofuran	9.766	168	70481	30.25	ng/ml	96
14) 1,6,7-Trimethylnaphtha...	9.976	170	48546	32.19	ng/ml	97
15) Fluorene	10.116	166	61845	33.42	ng/ml	98
17) Dibenzothiopene	10.967	184	82427	32.76	ng/ml	94
18) Phenanthrene	11.095	178	99104	34.58	ng/ml	100
19) Anthracene	11.141	178	84707	36.09	ng/ml	98
20) Carbazole	11.316	167	63557	31.37	ng/ml	99
21) 1-Methylphenanthrene	11.718	192	69492	35.96	ng/ml	99
22) Fluoranthene	12.348	202	143138	50.68	ng/ml	96
24) Pyrene	12.634	202	260523	76.93	ng/ml	100
26) Benz(a)anthracene	14.761	228	96043	35.47	ng/ml	97
27) Chrysene	14.843	228	99806	35.84	ng/ml	99
29) Benzo(b)fluoranthene	17.343	252	94190	36.54	ng/ml	92
30) Benzo(k)fluoranthene	17.407	252	86471	33.65	ng/ml	92
31) Benzo(b+k)fluoranthene	17.343	252	189867	70.05	ng/ml	90
32) Benzo(e)pyrene	17.996	252	92546	34.34	ng/ml	96

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042027.D
 Acq On : 04 Jun 2020 10:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-MS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 12:18:39 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

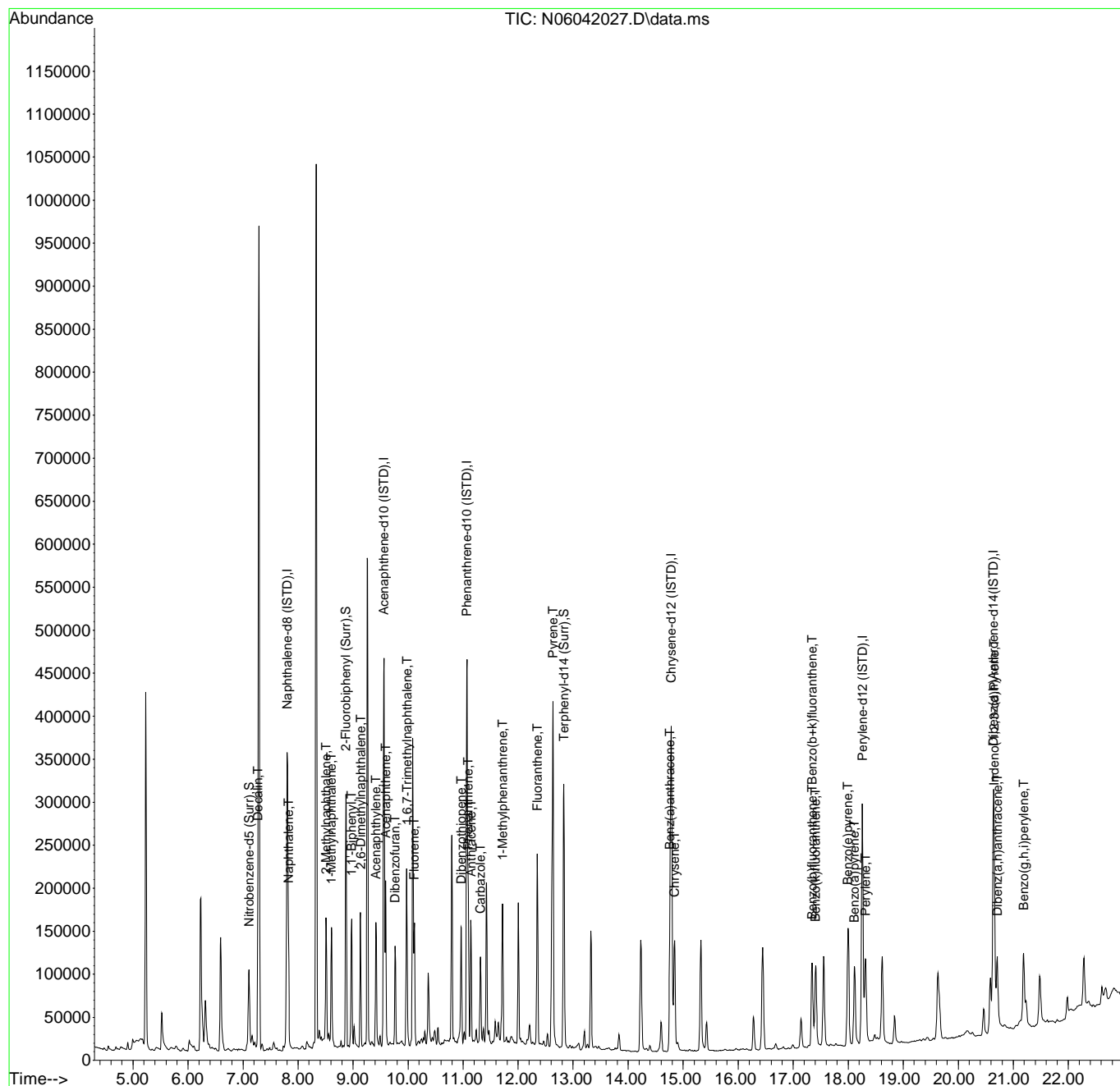
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	81351	39.70	ng/ml	96
34) Perylene	18.316	252	91998	33.15	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.654	276	79775	34.16	ng/ml	79
37) Dibenz(a,h)anthracene	20.712	278	72686	30.87	ng/ml	81
38) Benzo(g,h,i)perylene	21.190	276	86697	34.61	ng/ml	79

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042027.D
 Acq On : 04 Jun 2020 10:05 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-MS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 12:18:39 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



ATML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042028.D
 Acq On : 04 Jun 2020 10:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-MSD1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 12:18:42 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.807	136	246218	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.562	162	149136	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.072	188	266131	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.784	240	200834	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.252	264	173714	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthracene-d...	20.642	292	129915	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.114	82	43333	56.34	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.874	172	130090	56.34	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.832	244	135057	69.60	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.277	138	6234	31.67	ng/ml		95
4) Naphthalene	7.825	128	73442	27.39	ng/ml		100
5) 2-Methylnaphthalene	8.513	142	50608	28.11	ng/ml		97
6) 1-Methylnaphthalene	8.612	142	50183	28.07	ng/ml		97
7) 1,1'-Biphenyl	8.973	154	62022	27.33	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.136	156	46870	30.10	ng/ml		96
11) Acenaphthylene	9.416	152	83139	29.90	ng/ml		98
12) Acenaphthene	9.591	153	59853	29.34	ng/ml		100
13) Dibenzofuran	9.766	168	65085	26.36	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	9.976	170	46941	29.36	ng/ml		96
15) Fluorene	10.116	166	55438	28.26	ng/ml		99
17) Dibenzothiopene	10.967	184	74168	27.58	ng/ml		94
18) Phenanthrene	11.095	178	83532	27.27	ng/ml		99
19) Anthracene	11.147	178	74333	29.63	ng/ml		99
20) Carbazole	11.316	167	50755	23.43	ng/ml		98
21) 1-Methylphenanthrene	11.718	192	63304	30.64	ng/ml		97
22) Fluoranthene	12.348	202	111896	37.06	ng/ml		96
24) Pyrene	12.634	202	205302	78.81	ng/ml		99
26) Benz(a)anthracene	14.761	228	61417	29.49	ng/ml		96
27) Chrysene	14.843	228	67744	31.63	ng/ml		98
29) Benzo(b)fluoranthene	17.349	252	55570	30.94	ng/ml		93
30) Benzo(k)fluoranthene	17.407	252	50539	28.23	ng/ml		91
31) Benzo(b+k)fluoranthene	17.349	252	112316	59.48	ng/ml		91
32) Benzo(e)pyrene	17.996	252	56544	30.11	ng/ml		99

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042028.D
 Acq On : 04 Jun 2020 10:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-MSD1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 12:18:42 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

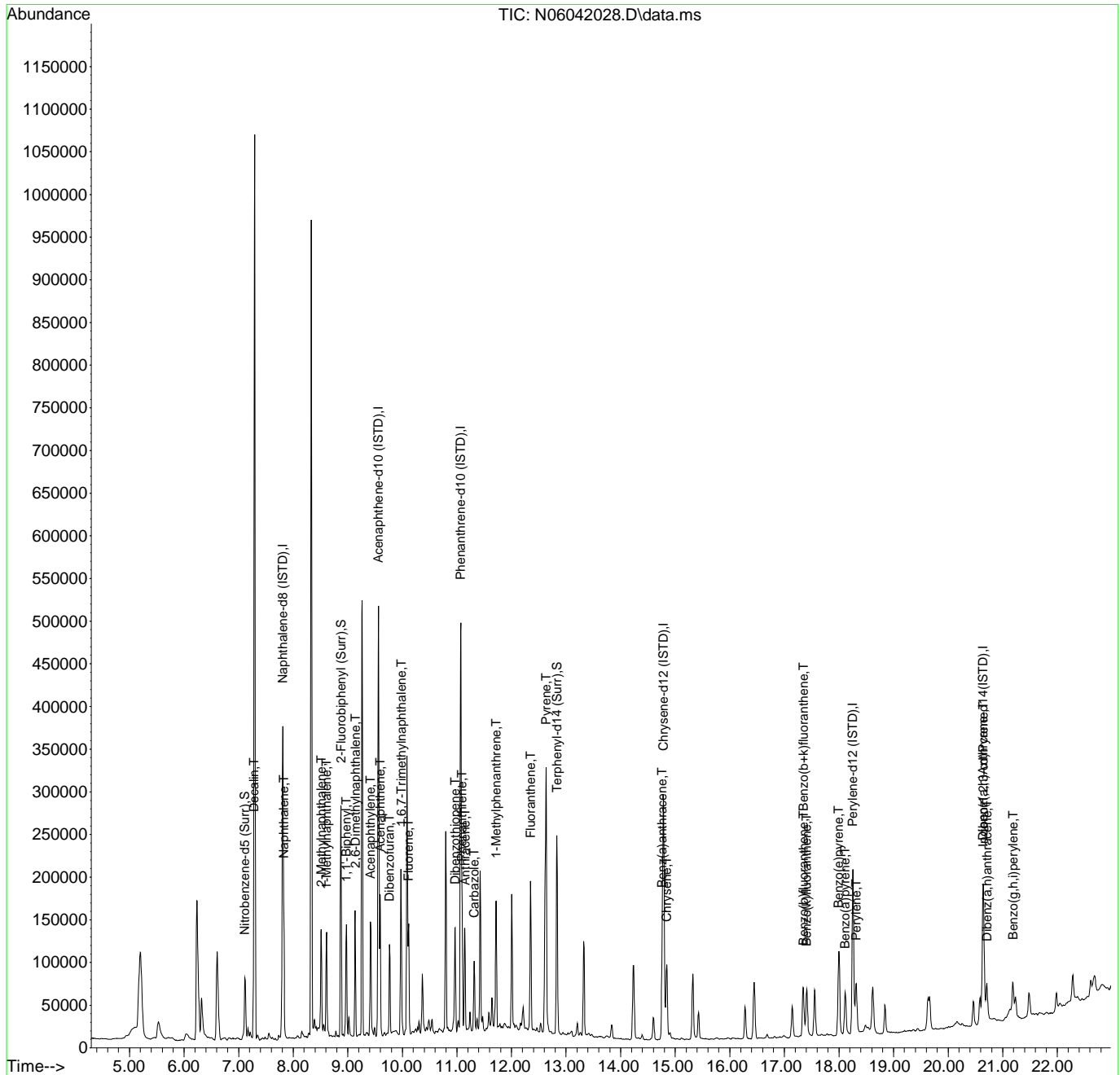
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.112	252	45570	32.09	ng/ml	97
34) Perylene	18.316	252	54500	28.19	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.648	276	41208	29.20	ng/ml	80
37) Dibenz(a,h)anthracene	20.712	278	38850	27.30	ng/ml	81
38) Benzo(g,h,i)perylene	21.190	276	44659	29.50	ng/ml	79

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

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042028.D
 Acq On : 04 Jun 2020 10:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0060165-MSD1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 12:18:42 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



AML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	241530	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	145912	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	256700	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	198306	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.258	264	177924	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.642	292	151216	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.114	82	49834	66.05	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	147829	65.44	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	156566	81.71	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.831	128	9844	3.74	ng/ml	97
5) 2-Methylnaphthalene	8.513	142	2540	1.44	ng/ml	95
6) 1-Methylnaphthalene	8.612	142	6956	3.97	ng/ml	96
7) 1,1'-Biphenyl	8.973	154	2801	1.26	ng/ml	93
8) 2,6-Dimethylnaphthalene	9.142	156	4167	2.73	ng/ml#	70
11) Acenaphthylene	9.416	152	2374	0.87	ng/ml	87
12) Acenaphthene	9.591	153	30661	15.36	ng/ml	99
13) Dibenzofuran	9.766	168	2259	0.94	ng/ml	87
14) 1,6,7-Trimethylnaphtha...	9.976	170	1521	0.97	ng/ml#	8
15) Fluorene	10.116	166	9657	5.03	ng/ml	97
17) Dibenzothiopene	10.967	184	6496	2.50	ng/ml	97
18) Phenanthrene	11.095	178	26424	8.94	ng/ml	99
19) Anthracene	11.147	178	3659	1.51	ng/ml	97
20) Carbazole	11.316	167	290	N.D.		
21) 1-Methylphenanthrene	11.695	192	2012	1.01	ng/ml#	1
22) Fluoranthene	12.348	202	9930	3.41	ng/ml	94
24) Pyrene	12.634	202	103400	40.20	ng/ml	99
26) Benz(a)anthracene	14.767	228	1722	0.84	ng/ml	72
27) Chrysene	14.848	228	2024	0.96	ng/ml	94
29) Benzo(b)fluoranthene	17.355	252	1856	1.01	ng/ml	97
30) Benzo(k)fluoranthene	17.355	252	2189	1.19	ng/ml	99
31) Benzo(b+k)fluoranthene	17.355	252	2640	1.36	ng/ml	99
32) Benzo(e)pyrene	17.996	252	1500	0.78	ng/ml#	70

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

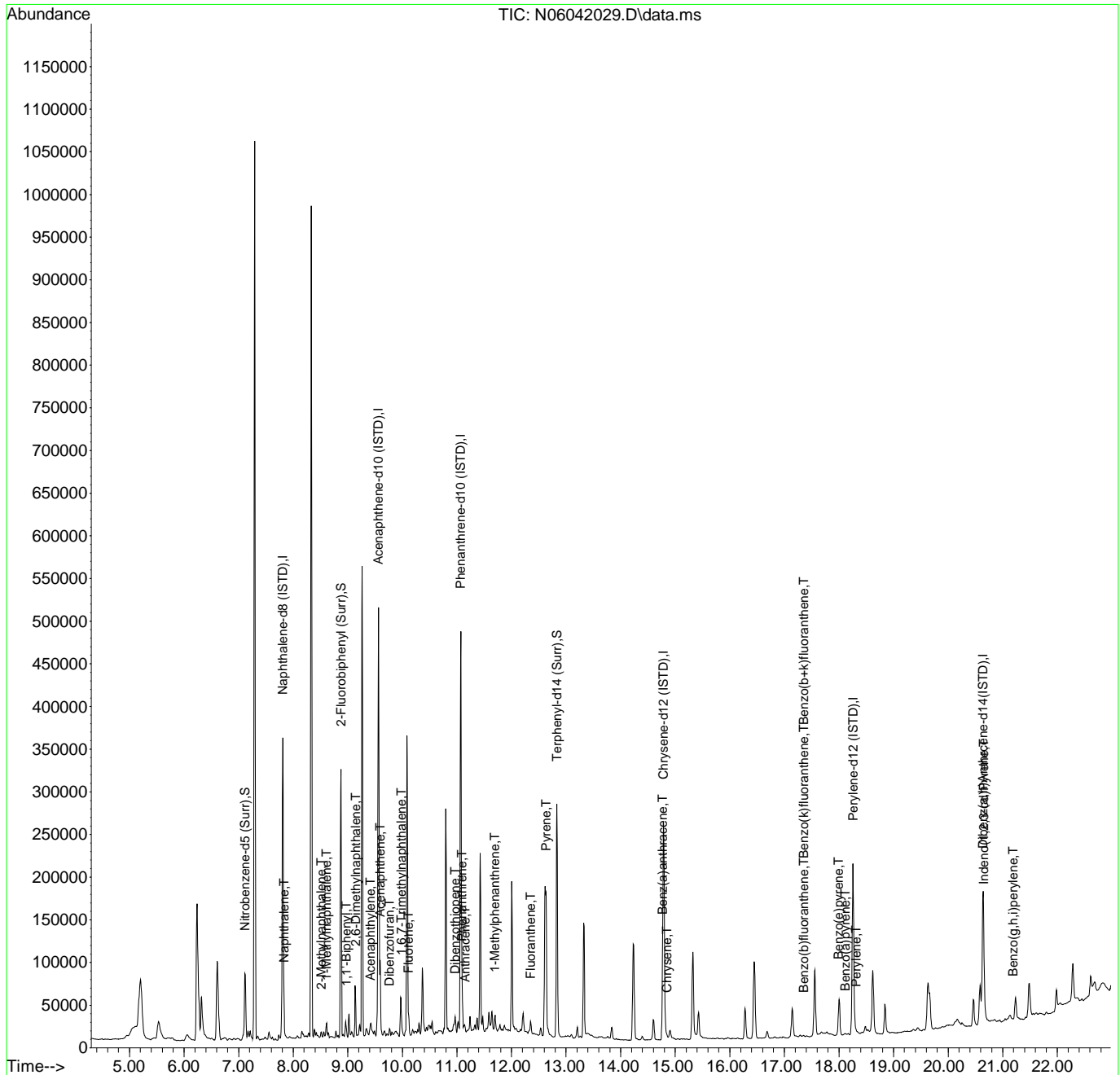
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.118	252	1338	1.23	ng/ml	89
34) Perylene	18.316	252	890	0.45	ng/ml	91
36) Indeno(1,2,3-cd)Pyrene	20.654	276	1499	0.91	ng/ml	78
37) Dibenz(a,h)anthracene	20.706	278	219	N.D.		
38) Benzo(g,h,i)perylene	21.190	276	1831	1.04	ng/ml	88

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F04059\
Data File : N06042029.D
Acq On : 04 Jun 2020 11:07 pm
Operator : JK/ AMS/ DTH
Sample : A0E0668-05
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

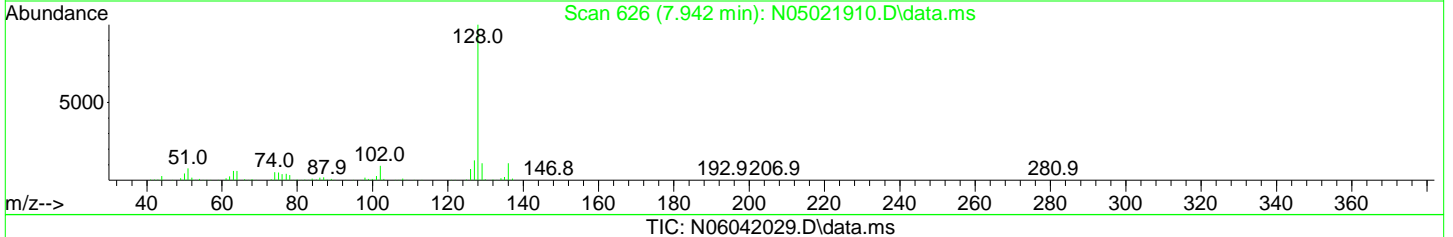
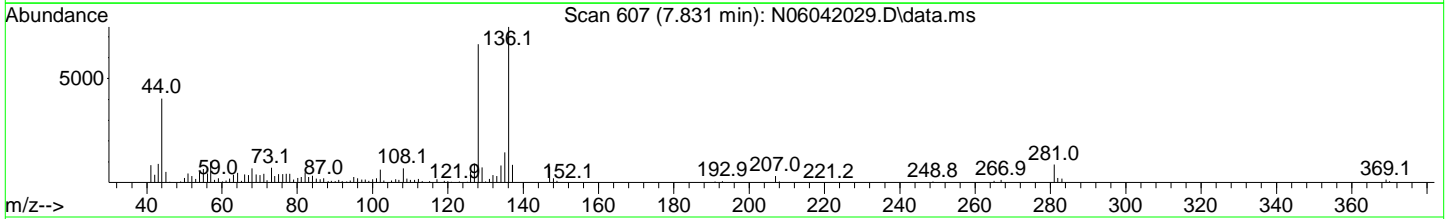
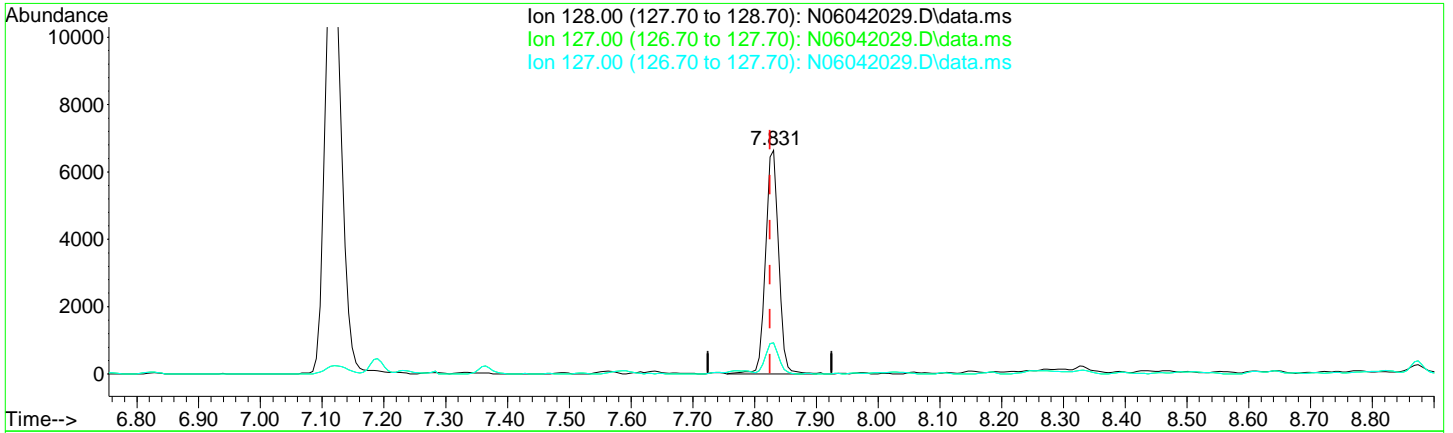
Quant Time: Jun 05 12:18:45 2020
Quant Method : R:\methods\SV14_040720_PAHR5.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 22 12:10:55 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.831min (+ 0.006) 3.74 ng/ml

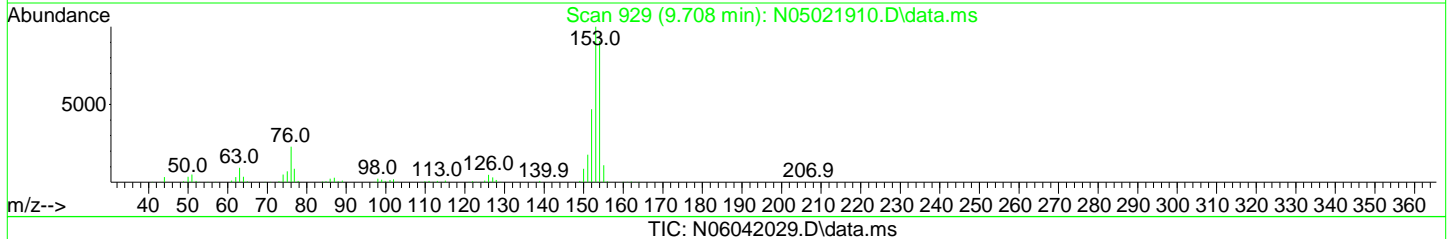
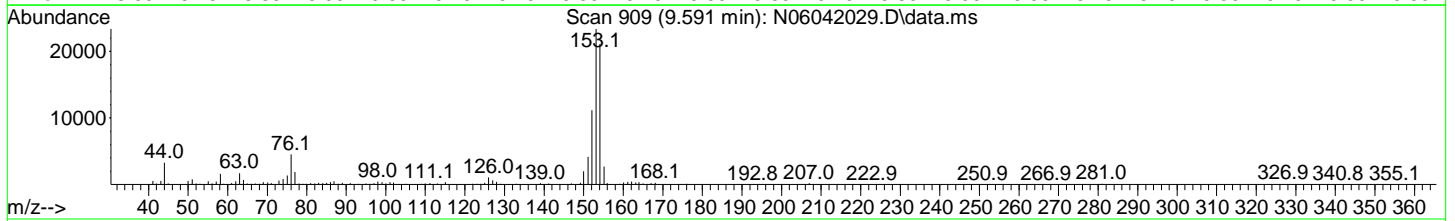
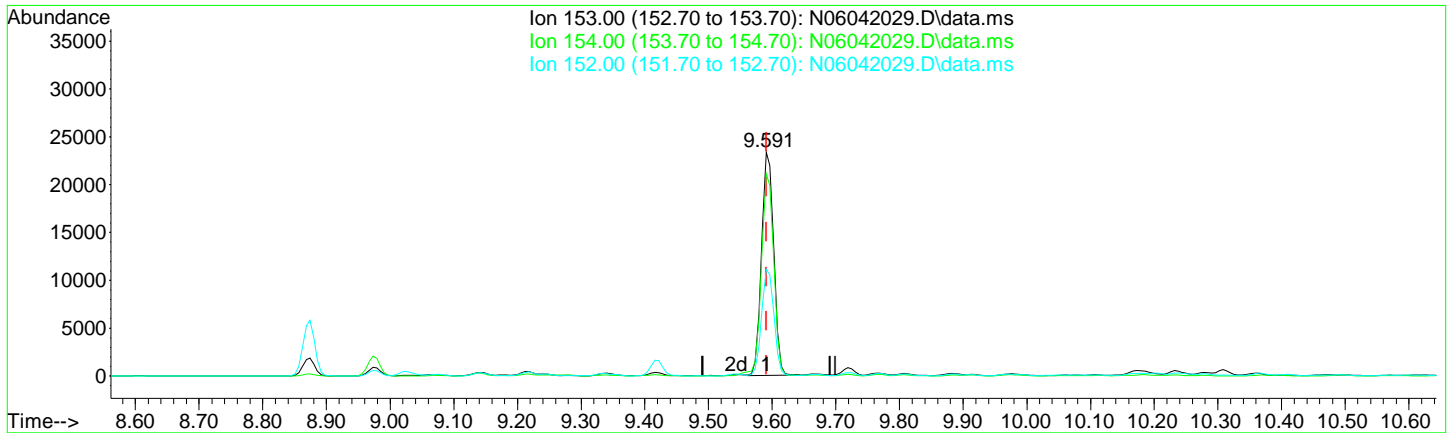
response 9844

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.88
127.00	12.60	13.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042029.D\data.ms

(12) Acenaphthene (T)

9.591min (-0.000) 15.36 ng/ml

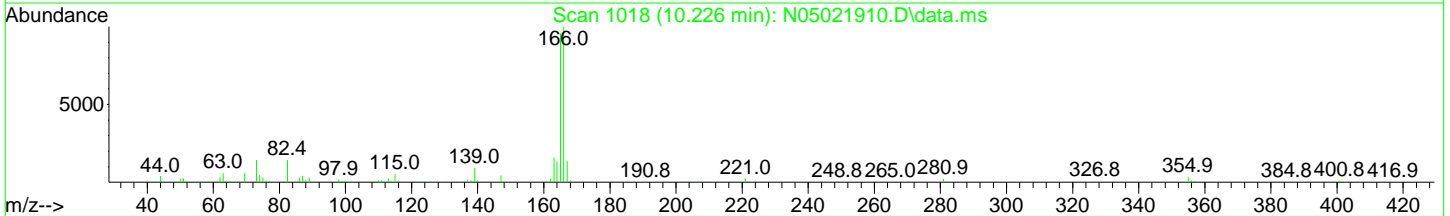
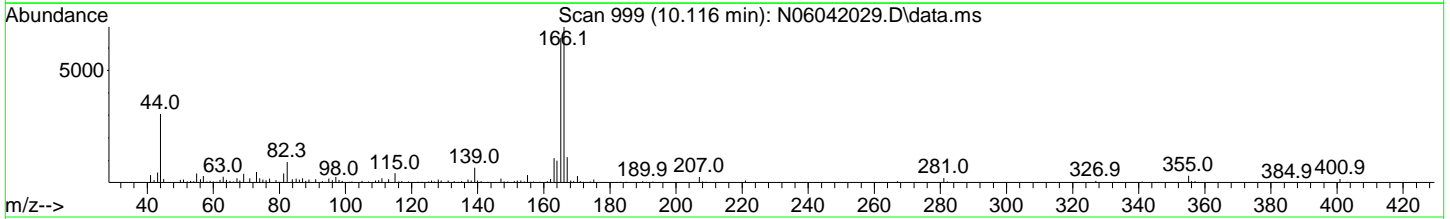
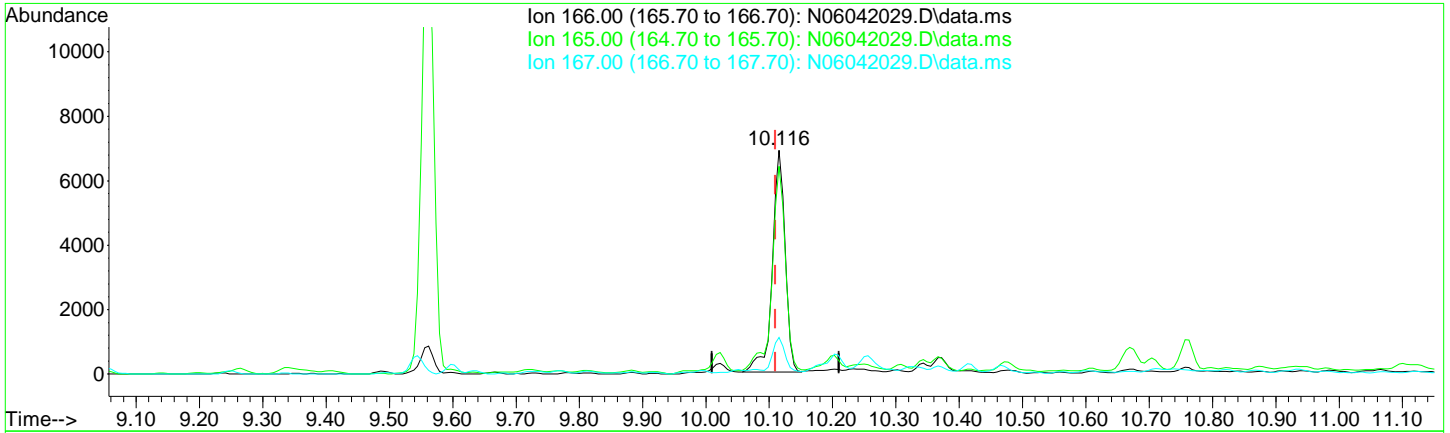
response 30661

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.35
152.00	46.80	47.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042029.D\data.ms

(15) Fluorene (T)

10.116min (+ 0.006) 5.03 ng/ml

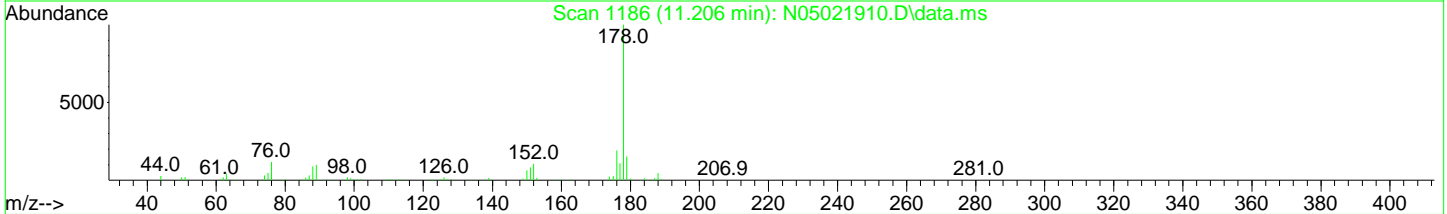
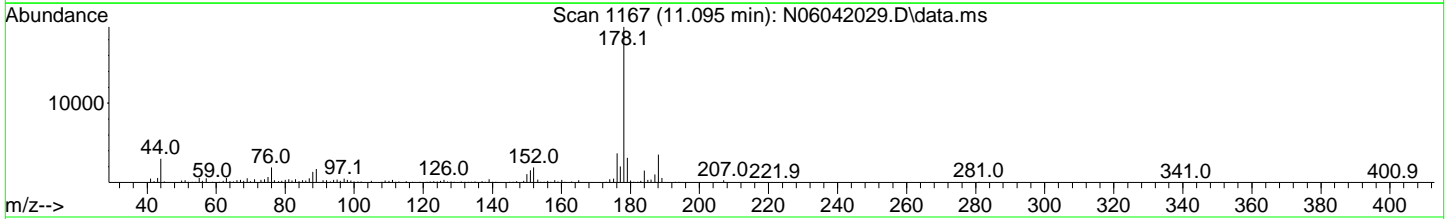
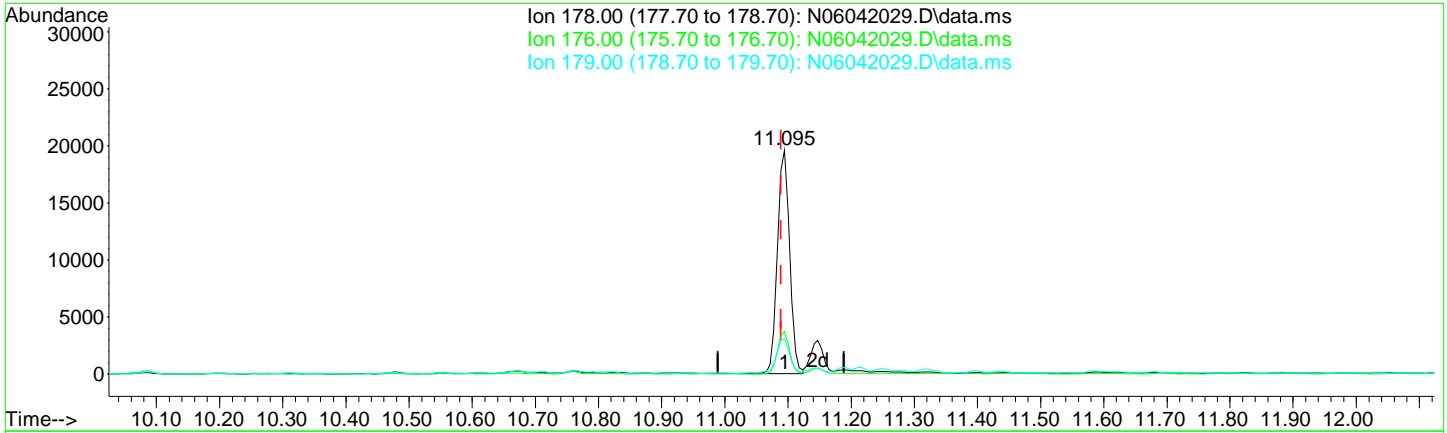
response 9657

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	92.87
167.00	13.60	16.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042029.D\data.ms

(18) Phenanthrene (T)

11.095min (+ 0.006) 8.94 ng/ml

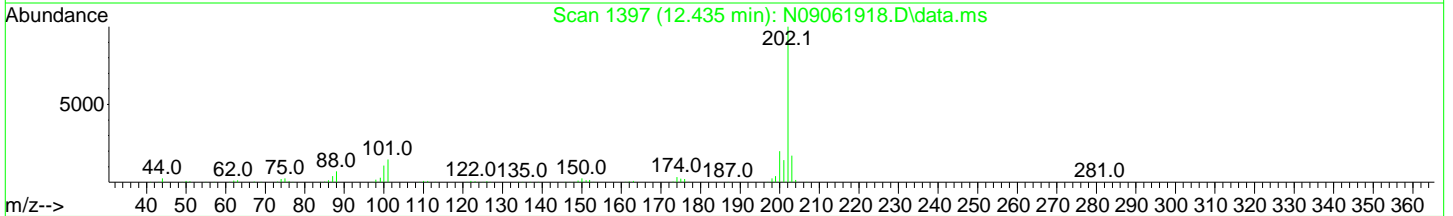
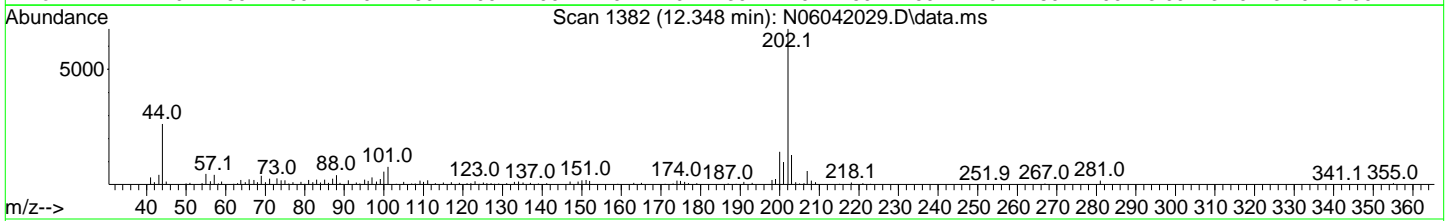
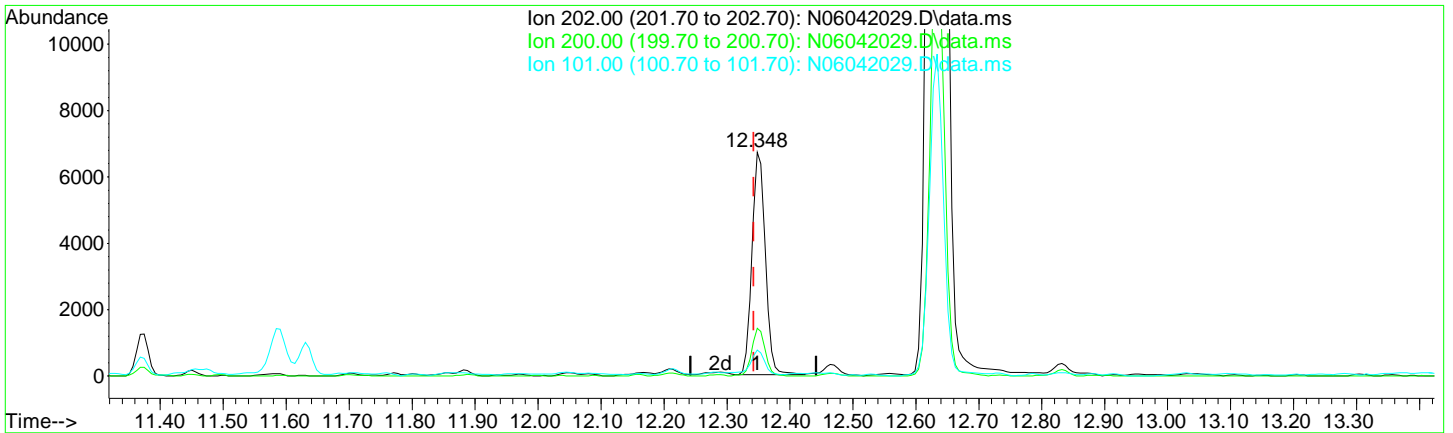
response 26424

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.82
179.00	15.10	15.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042029.D\data.ms

(22) Fluoranthene (T)

12.348min (+ 0.006) 3.41 ng/ml

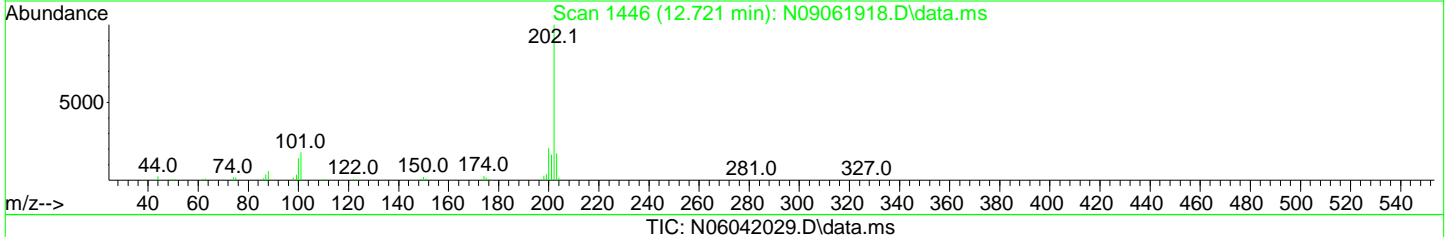
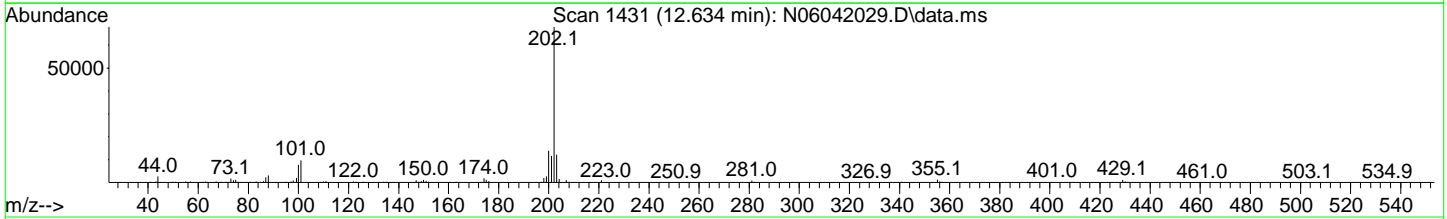
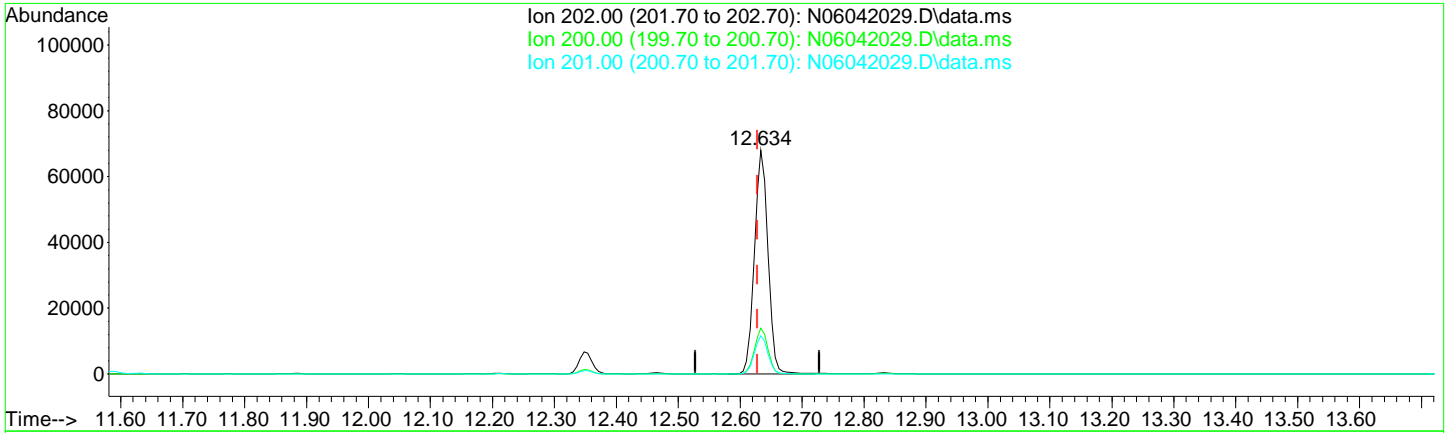
response 9930

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	21.28
101.00	15.30	11.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042029.D
 Acq On : 04 Jun 2020 11:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-05
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 12:18:45 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042029.D\data.ms

(24) Pyrene (T)

12.634min (+ 0.006) 40.20 ng/ml

response 103400

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.44
201.00	16.80	17.12
0.00	0.00	0.00

AML 06/05/20

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

MO5

Quant Time: Jun 05 13:47:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.807	136	256556	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.562	162	159738	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.071	188	293316	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.784	240	249473	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.258	264	230914	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.642	292	186495	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.114	82	122	0.15	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.874	172	320	0.13	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.832	244	559	0.23	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.825	128	11724	4.20	ng/ml	98
5) 2-Methylnaphthalene	8.513	142	3601	1.92	ng/ml	99
6) 1-Methylnaphthalene	8.612	142	16895	9.07	ng/ml	97
7) 1,1'-Biphenyl	8.973	154	6707	2.84	ng/ml	94
8) 2,6-Dimethylnaphthalene	9.142	156	10505	6.48	ng/ml	97
11) Acenaphthylene	9.416	152	42219	14.17	ng/ml	98
12) Acenaphthene	9.591	153	98237	44.96	ng/ml	100
13) Dibenzofuran	9.766	168	7987	3.02	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	9.976	170	6543	3.82	ng/ml	94
15) Fluorene	10.116	166	55230	26.29	ng/ml	99
17) Dibenzothiopene	10.967	184	80976	27.32	ng/ml	95
18) Phenanthrene	11.095	178	477819	141.53	ng/ml	100
19) Anthracene	11.147	178	121778	44.04	ng/ml	98
20) Carbazole	11.316	167	3720	1.56	ng/ml	90
21) 1-Methylphenanthrene	11.718	192	40775	17.91	ng/ml	94
22) Fluoranthene	12.348	202	537412	161.51	ng/ml	96
24) Pyrene	12.634	202	639643	197.68	ng/ml	99
26) Benz(a)anthracene	14.761	228	108625	41.99	ng/ml#	65
27) Chrysene	14.843	228	150410	56.53	ng/ml	98
29) Benzo(b)fluoranthene	17.349	252	120832	50.62	ng/ml	91
30) Benzo(k)fluoranthene	17.407	252	40184m	16.89	ng/ml	MO5
31) Benzo(b+k)fluoranthene	17.349	252	171839	68.46	ng/ml	90
32) Benzo(e)pyrene	17.996	252	81463	32.64	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 13:47:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration

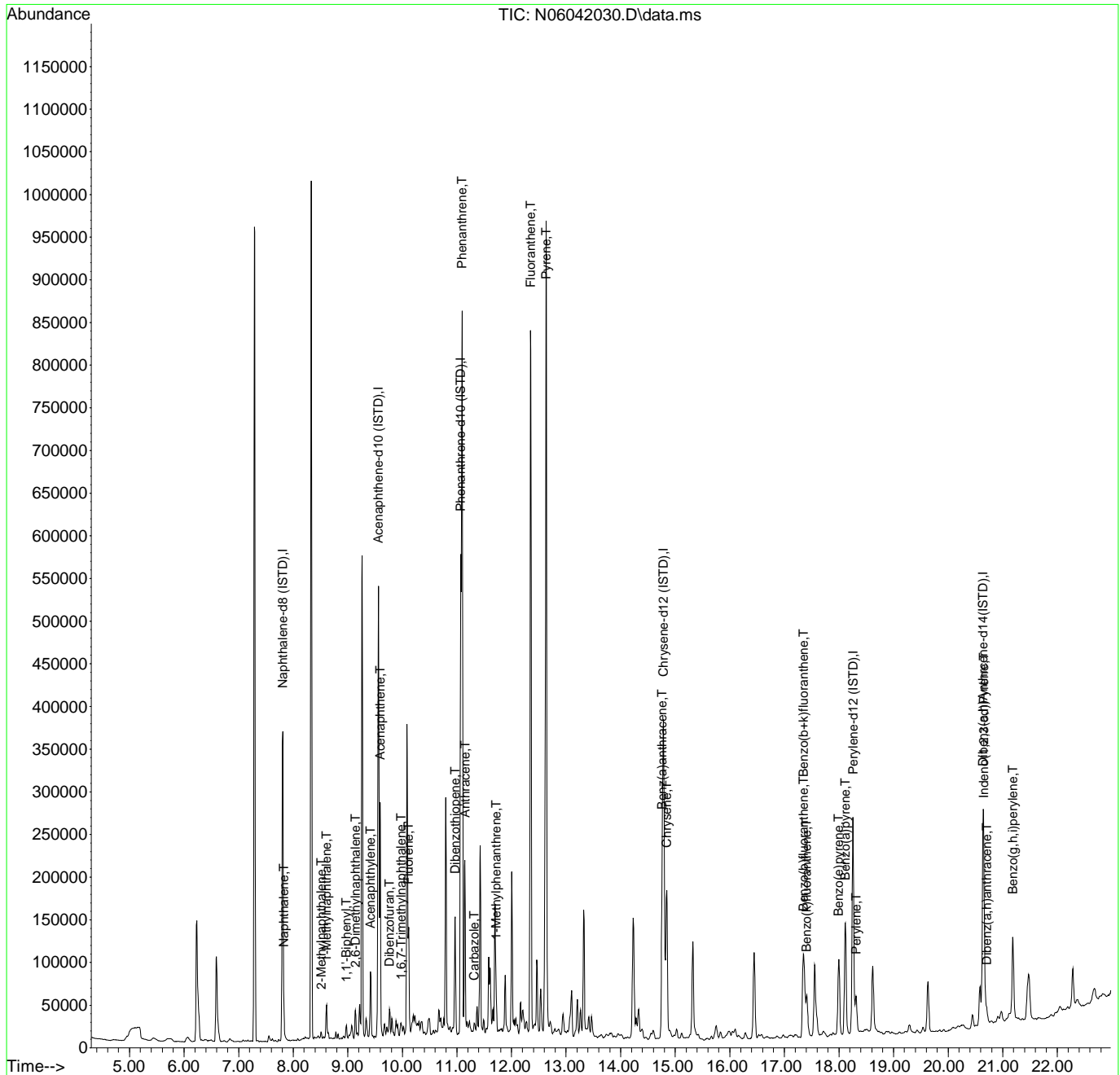
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.118	252	118243	61.52	ng/ml	97
34) Perylene	18.316	252	36817	14.32	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.654	276	79588	39.29	ng/ml	78
37) Dibenz(a,h)anthracene	20.706	278	8614	4.22	ng/ml	84
38) Benzo(g,h,i)perylene	21.184	276	99910	45.97	ng/ml	80

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

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

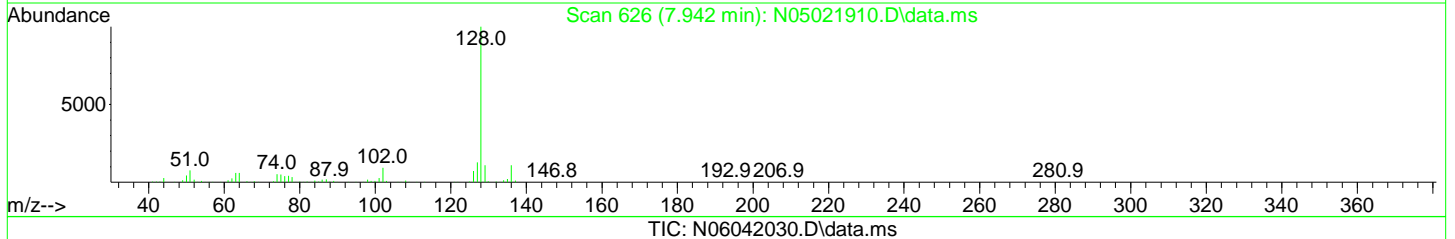
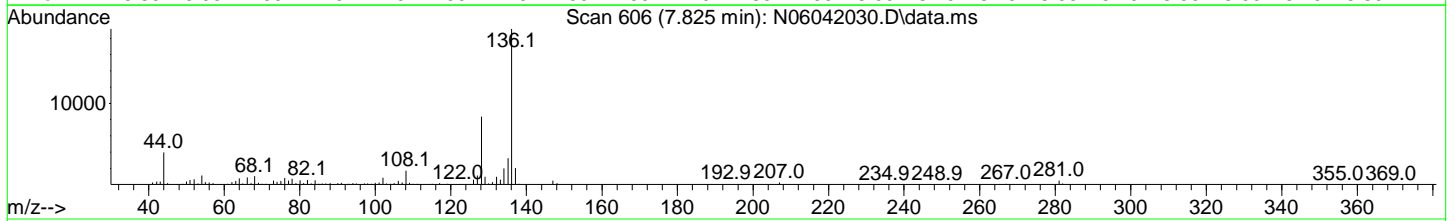
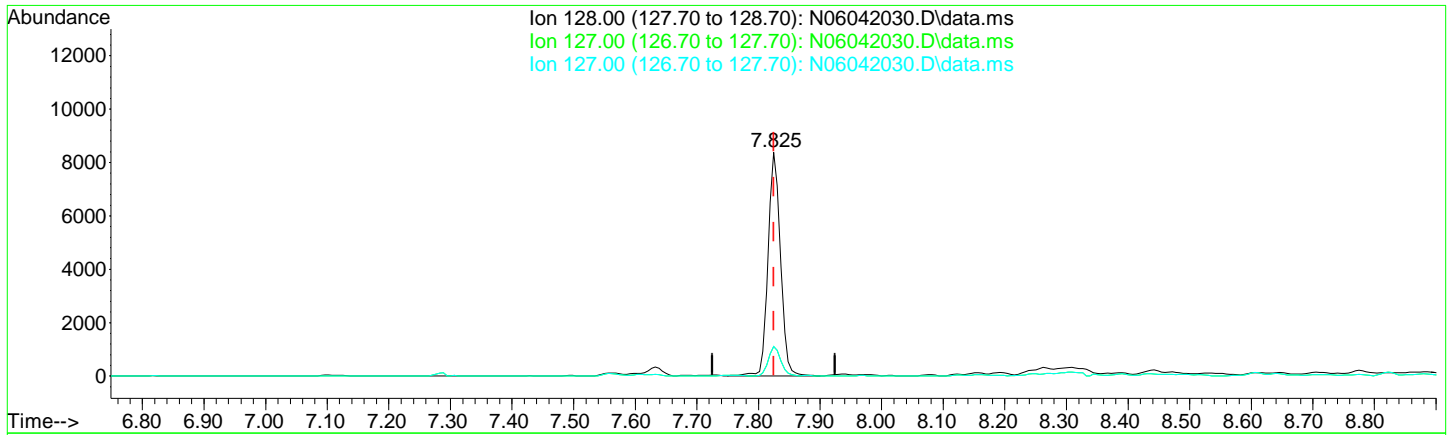
Quant Time: Jun 05 13:47:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(4) Naphthalene (T)

7.825min (-0.000) 4.20 ng/ml

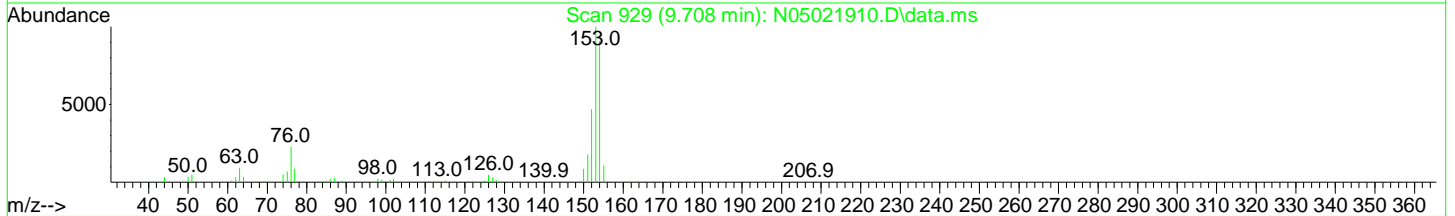
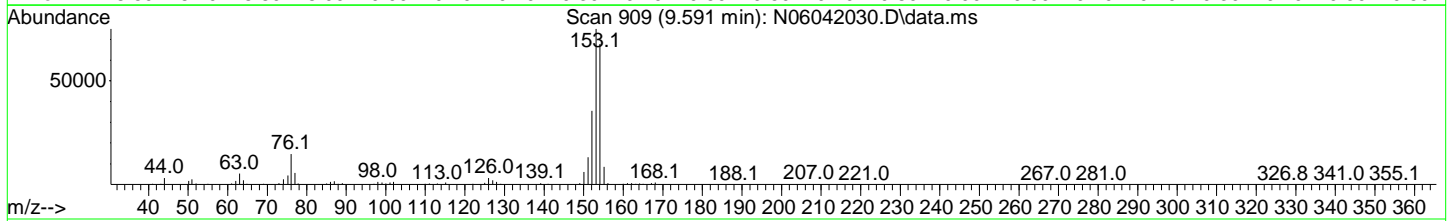
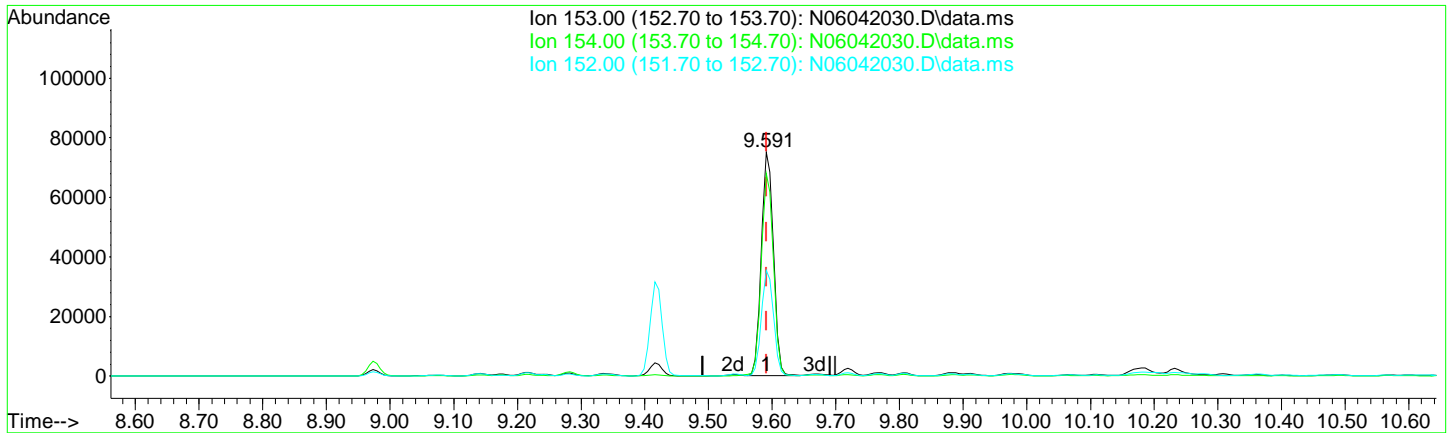
response 11724

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.25
127.00	12.60	13.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(12) Acenaphthene (T)

9.591min (-0.000) 44.96 ng/ml

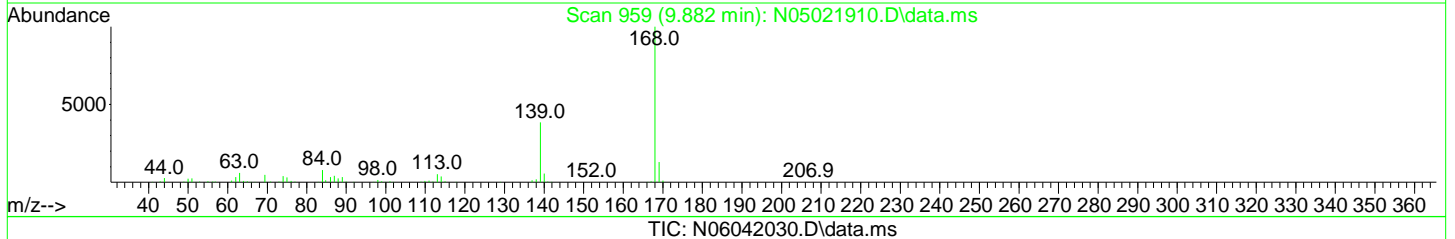
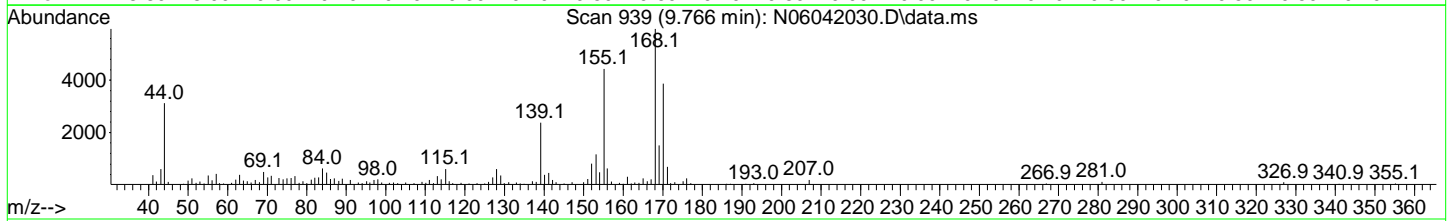
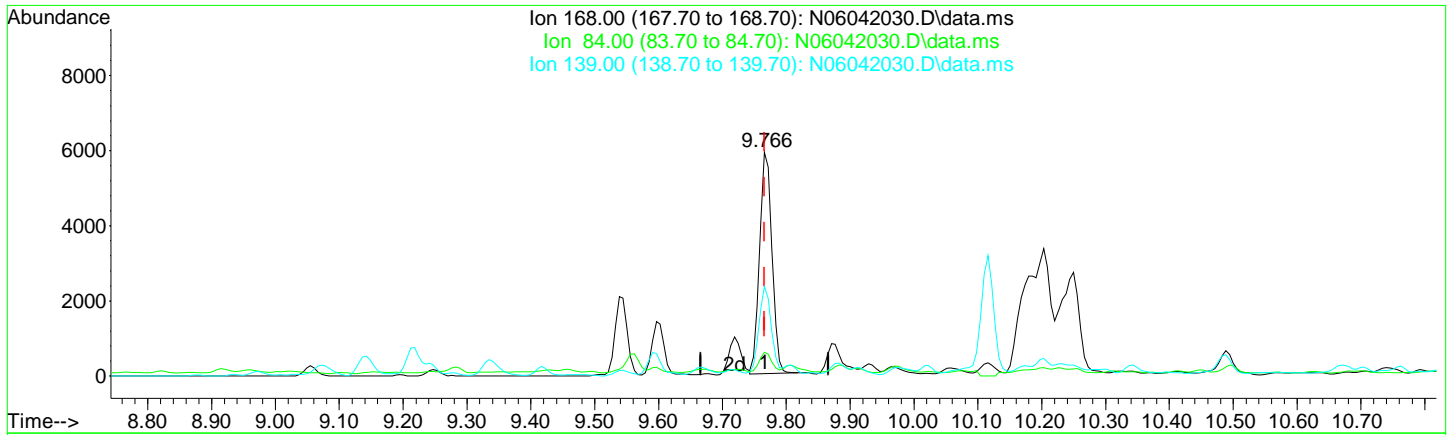
response 98237

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.41
152.00	46.80	47.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(13) Dibenzofuran (T)

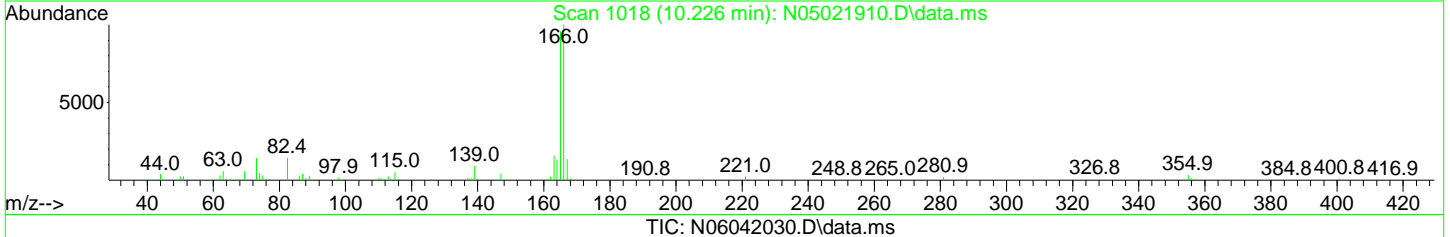
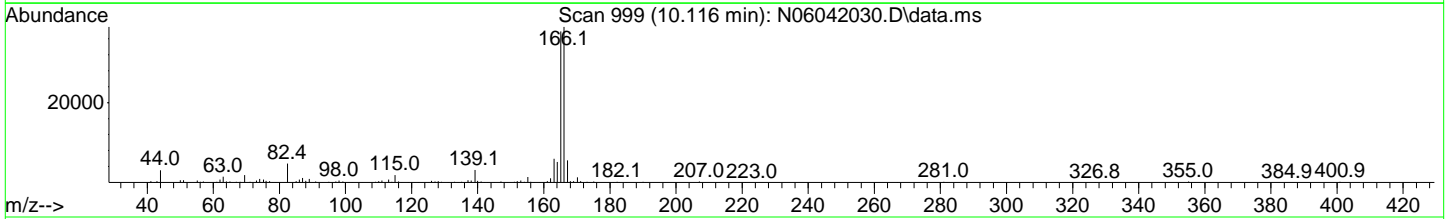
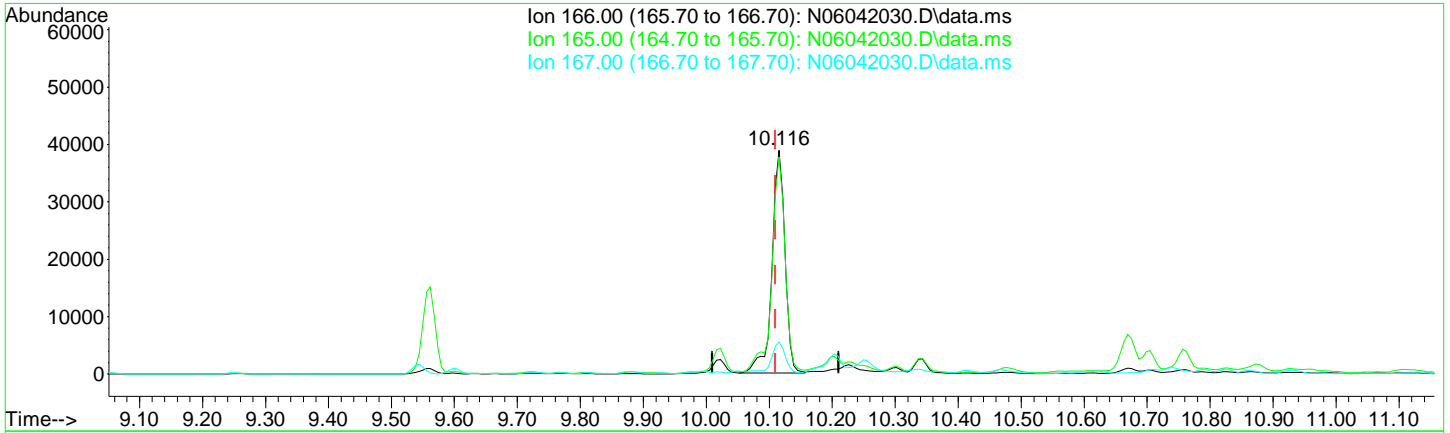
9.766min (-0.000) 3.02 ng/ml

response	7987	
Ion	Exp%	Act%
168.00	100.00	100.00
84.00	7.70	10.62
139.00	38.40	39.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(15) Fluorene (T)

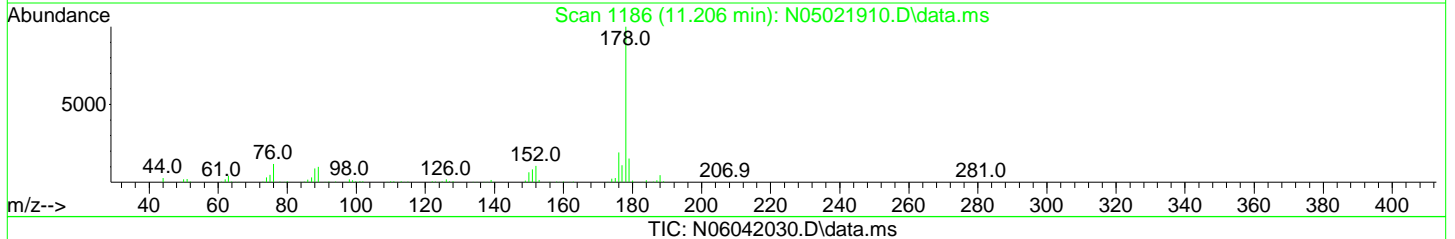
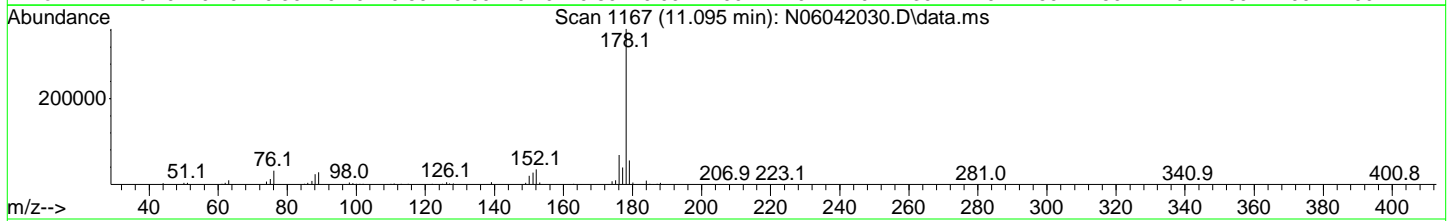
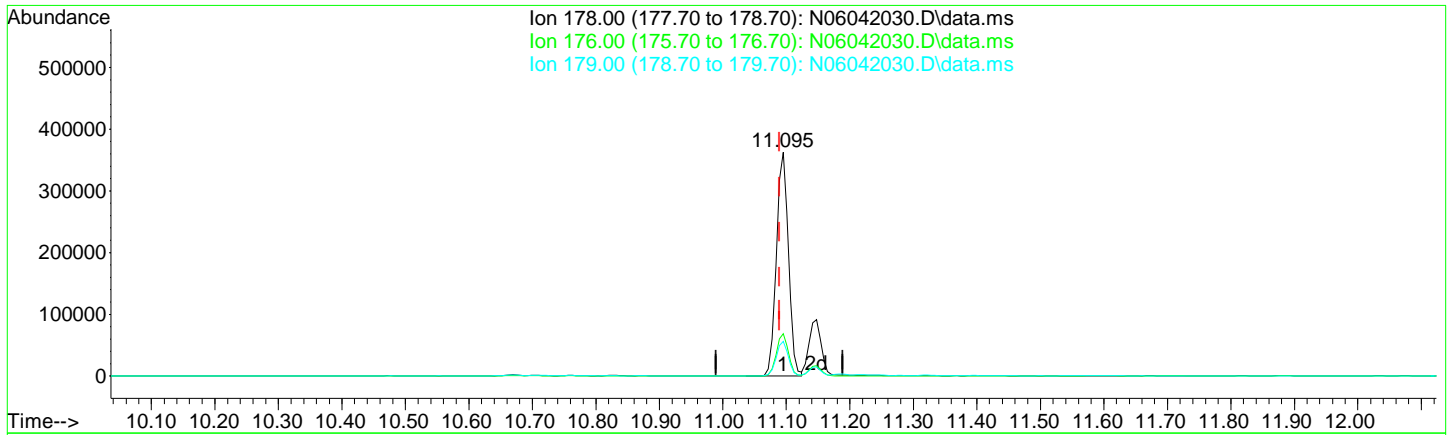
10.116min (+ 0.006) 26.29 ng/ml

response	55230
Ion	Exp% Act%
166.00	100.00 100.00
165.00	95.70 97.05
167.00	13.60 14.35
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(18) Phenanthrene (T)

11.095min (+ 0.006) 141.53 ng/ml

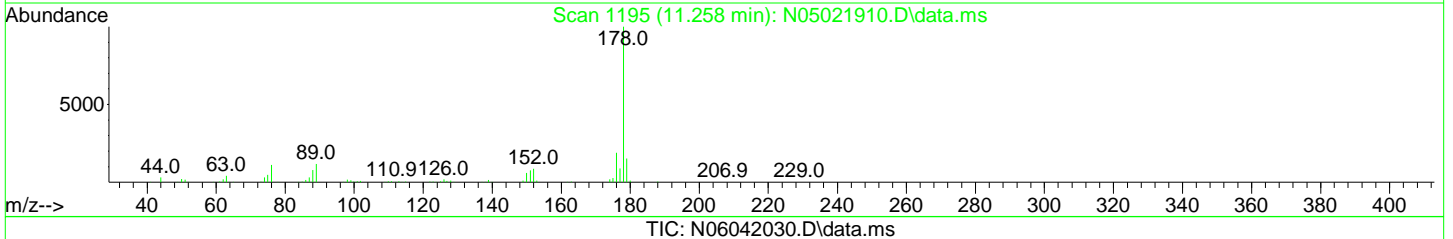
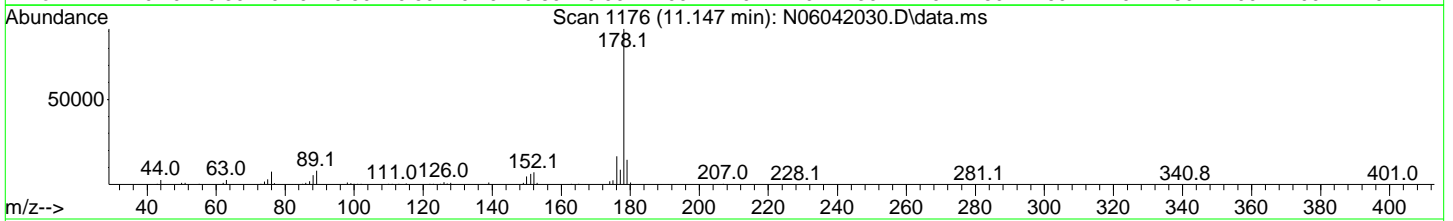
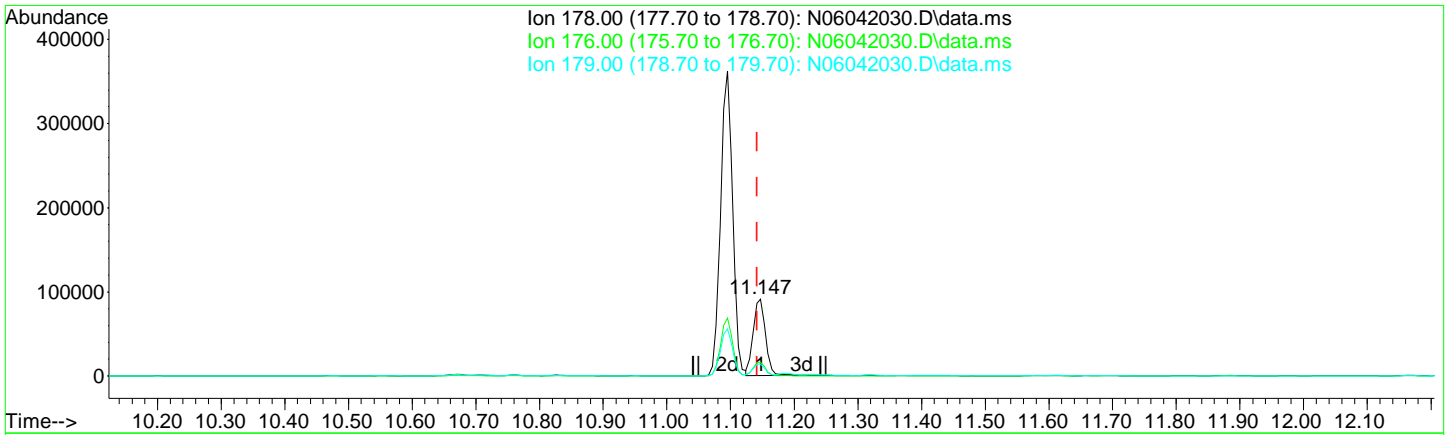
response 477819

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.92
179.00	15.10	15.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



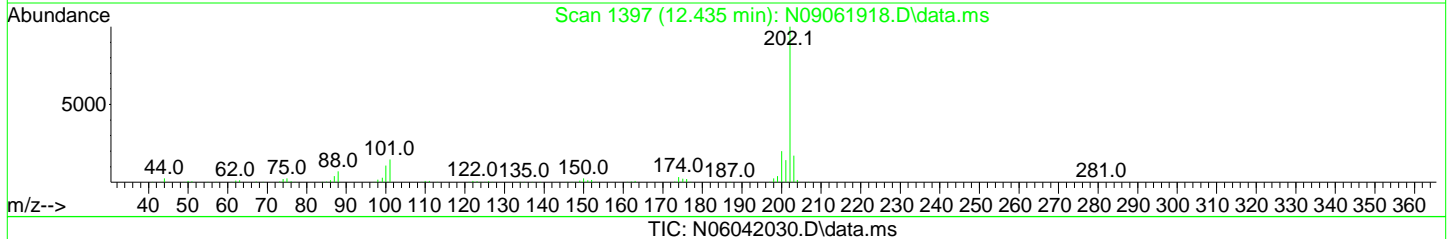
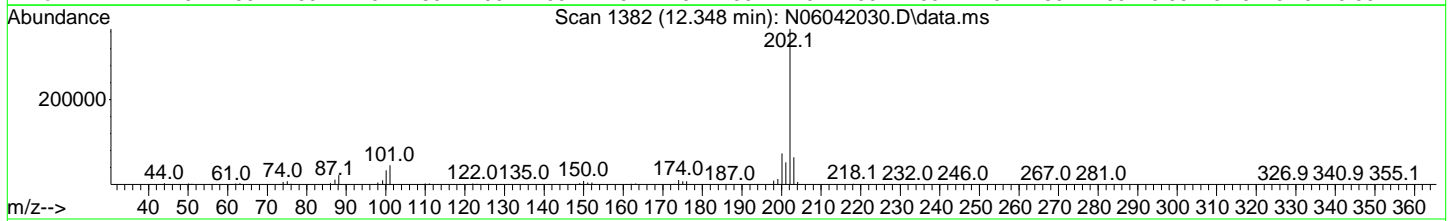
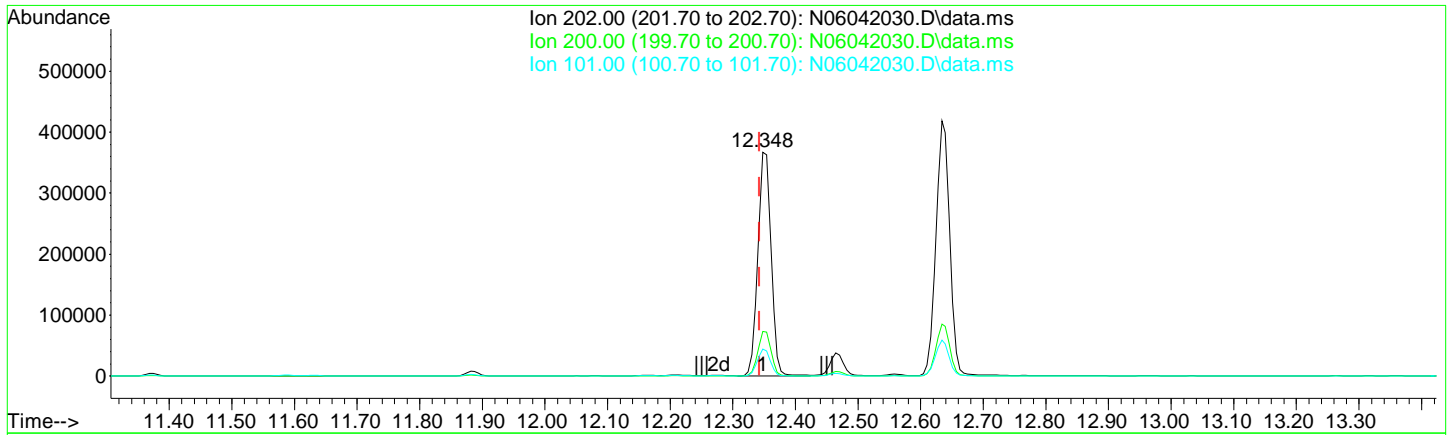
TIC: N06042030.D\data.ms

(19) Anthracene (T)		
11.147min (+ 0.006)	44.04	ng/ml
response	121778	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.13
179.00	15.30	15.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(22) Fluoranthene (T)

12.348min (+ 0.006) 161.51 ng/ml

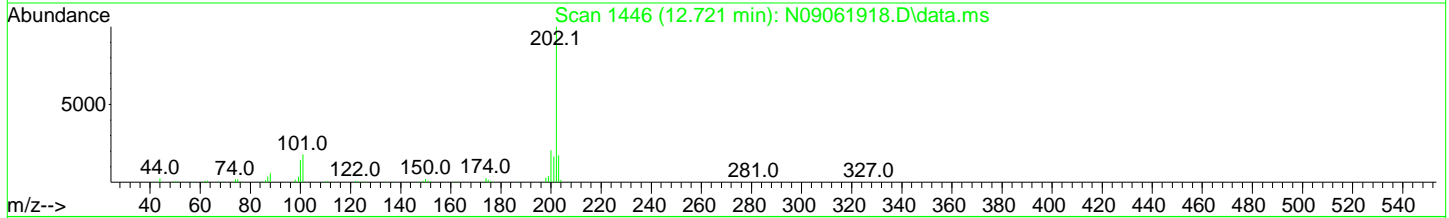
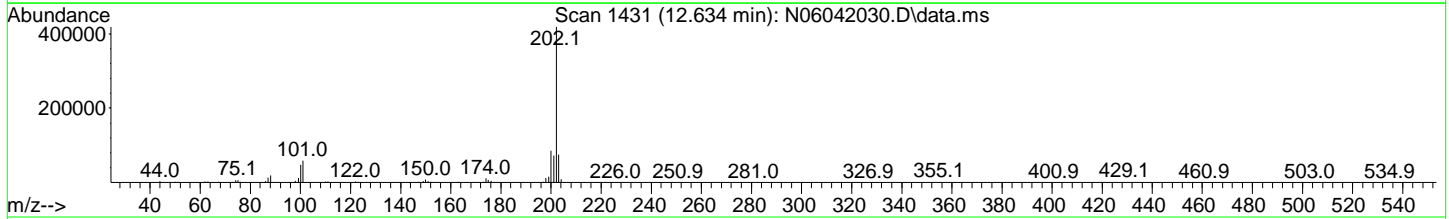
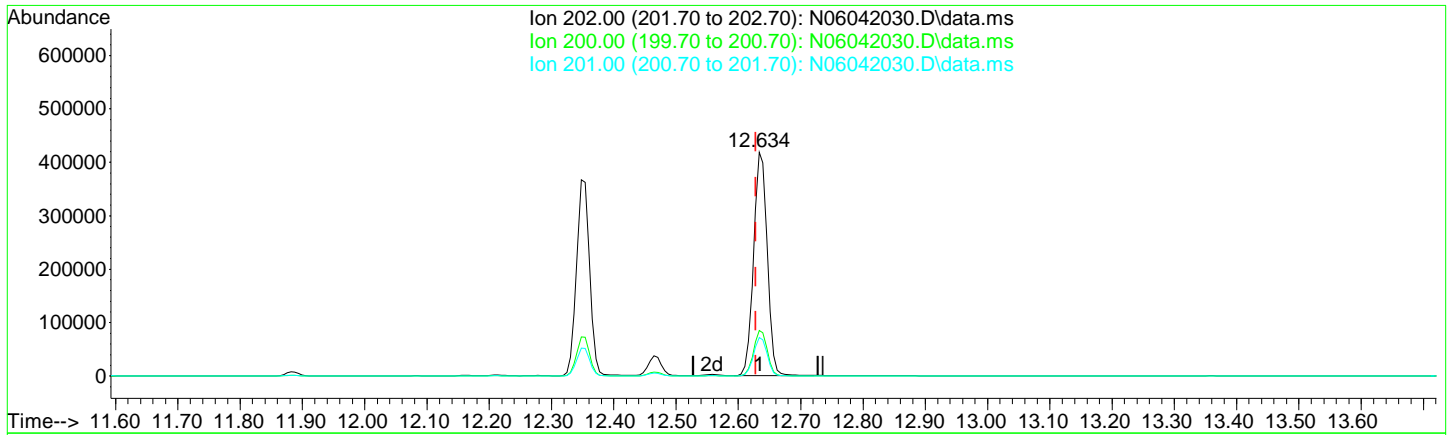
response 537412

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.99
101.00	15.30	12.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(24) Pyrene (T)

12.634min (+ 0.006) 197.68 ng/ml

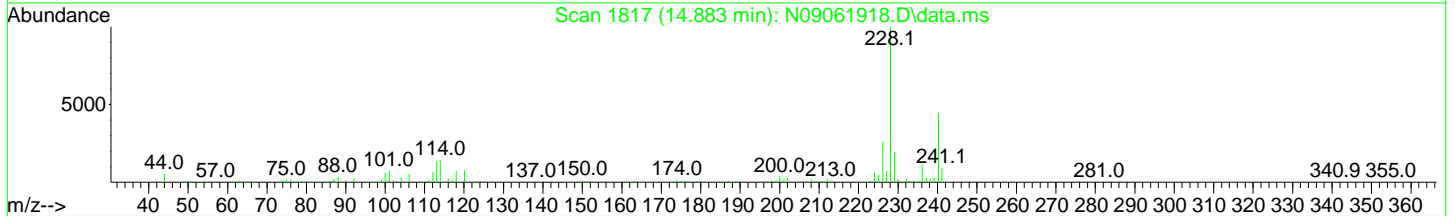
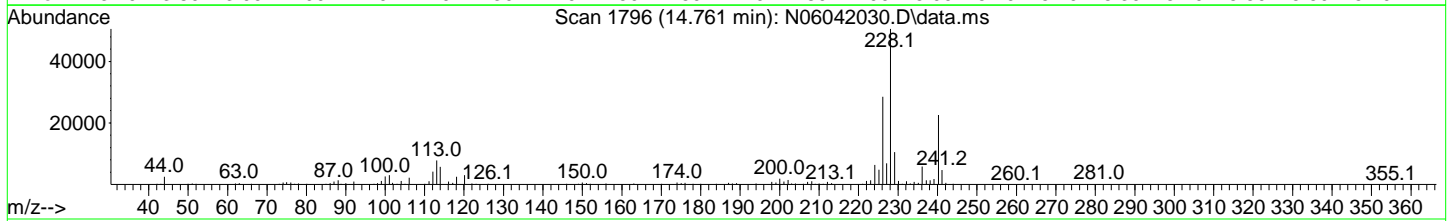
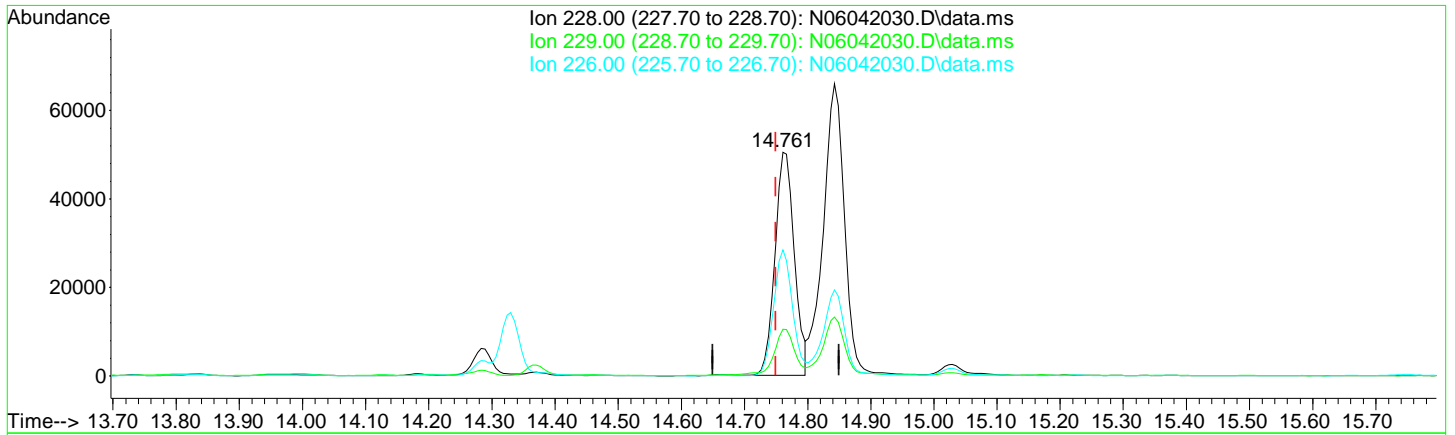
response 639643

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.41
201.00	16.80	17.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(26) Benz(a)anthracene (T)

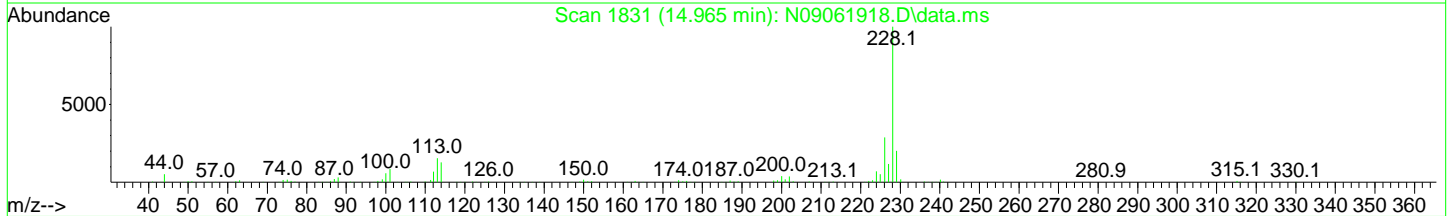
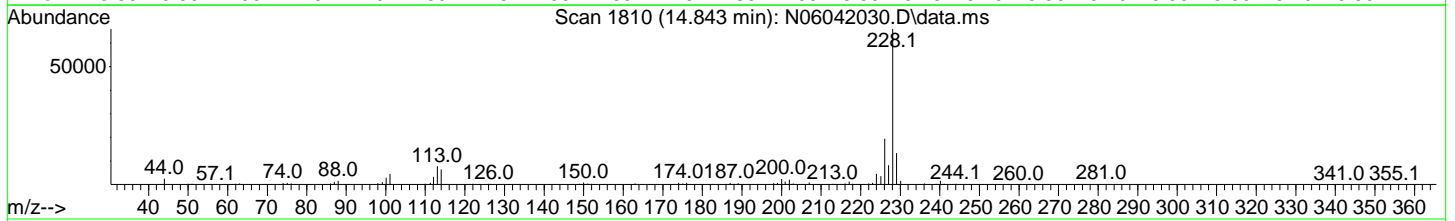
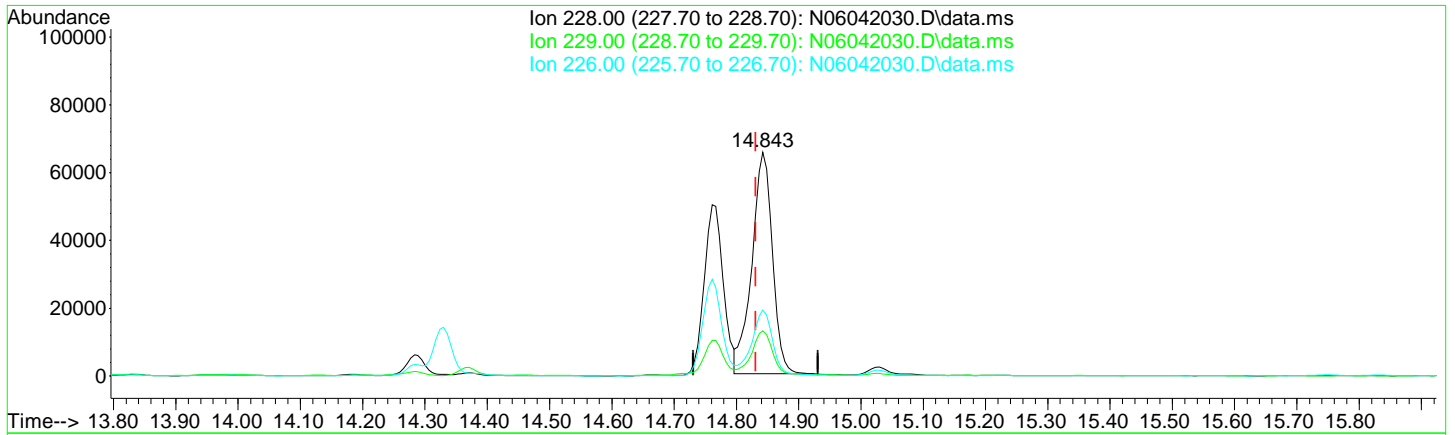
14.761min (+ 0.012) 41.99 ng/ml

response	108625
Ion	Exp% Act%
228.00	100.00 100.00
229.00	19.40 20.87
226.00	26.20 56.35#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



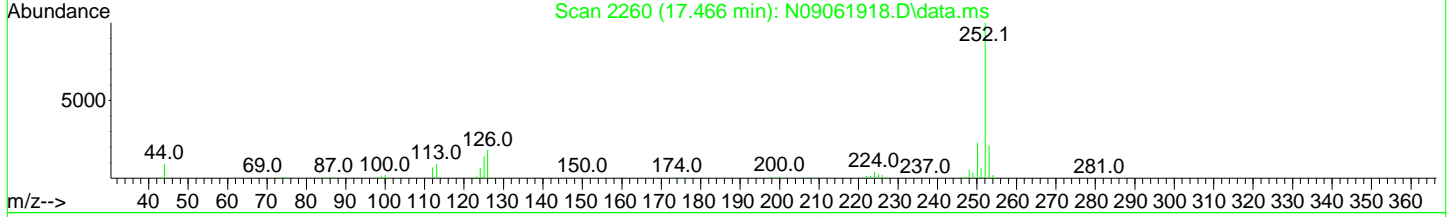
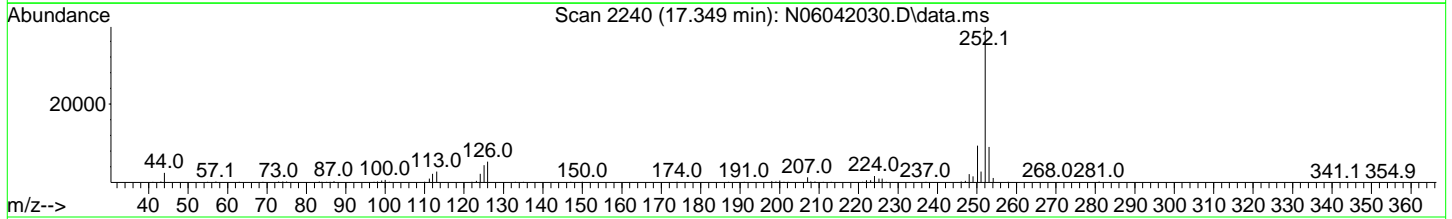
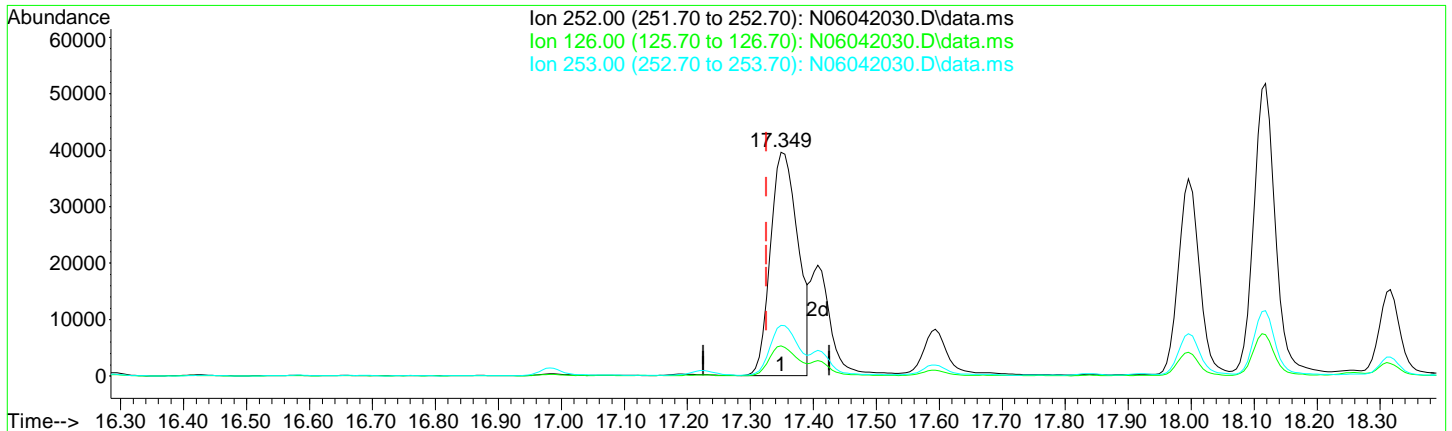
TIC: N06042030.D\data.ms

(27) Chrysene (T)		
14.843min (+ 0.012)	56.53 ng/ml	
response	150410	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.25
226.00	28.60	29.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



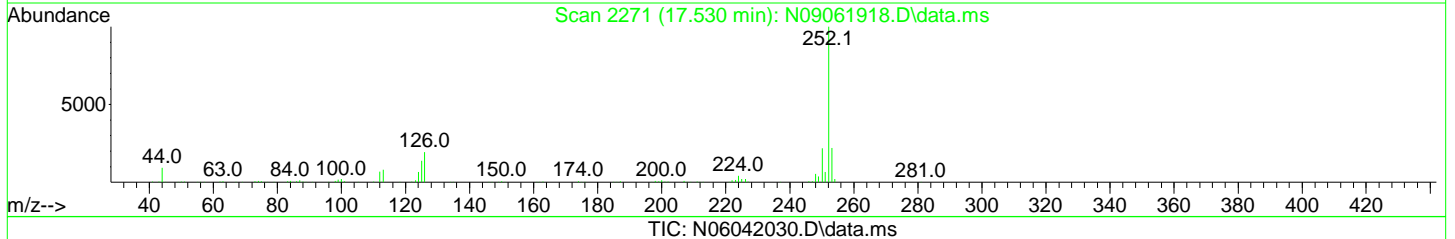
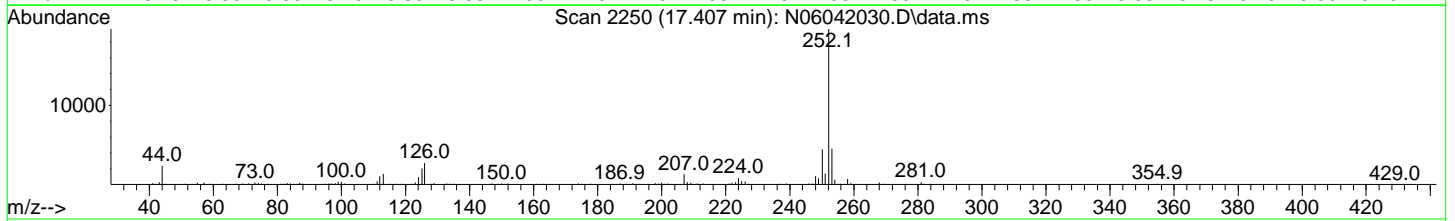
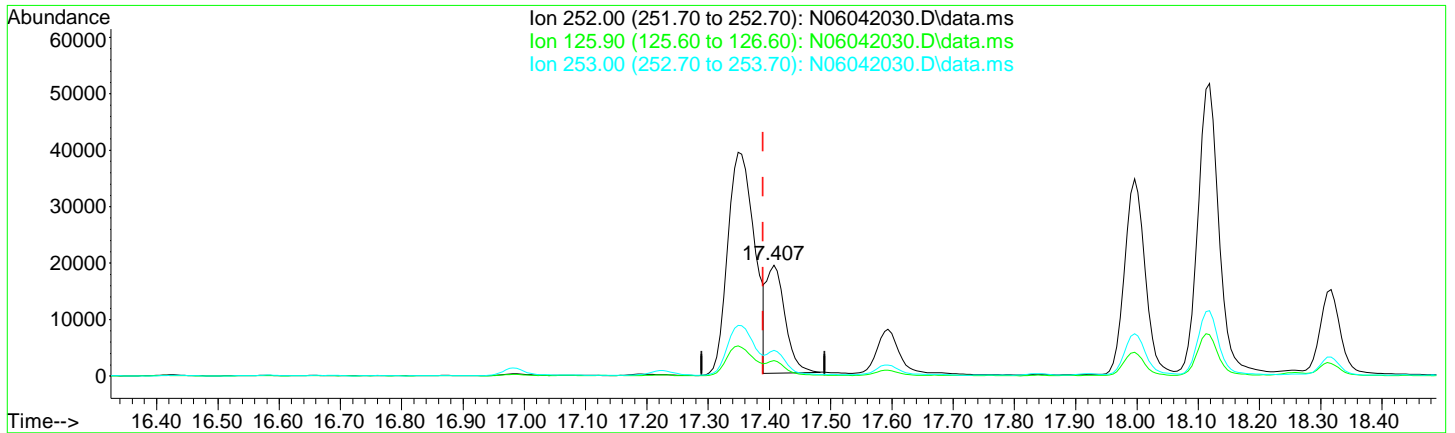
TIC: N06042030.D\data.ms

(29) Benzo(b)fluoranthene (T)		
17.349min (+ 0.023)	50.62 ng/ml	
response	120832	
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	13.46
253.00	21.10	22.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



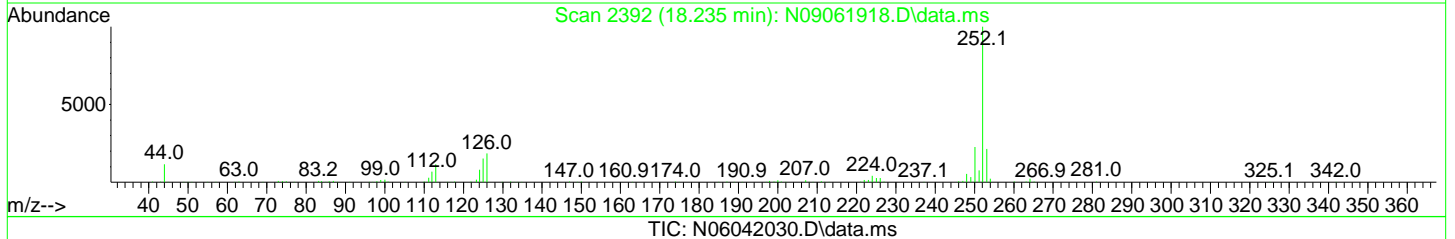
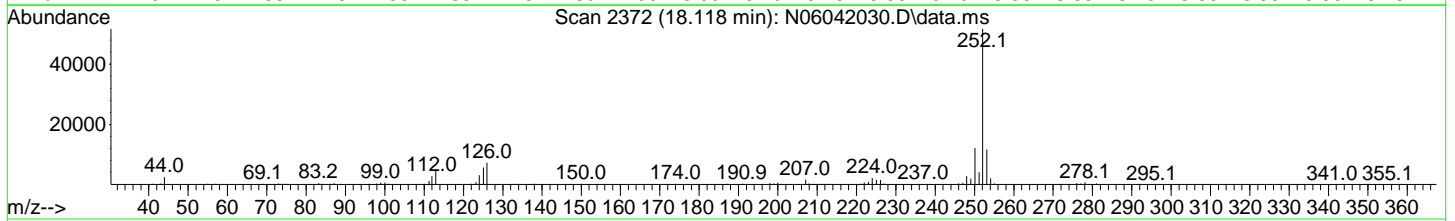
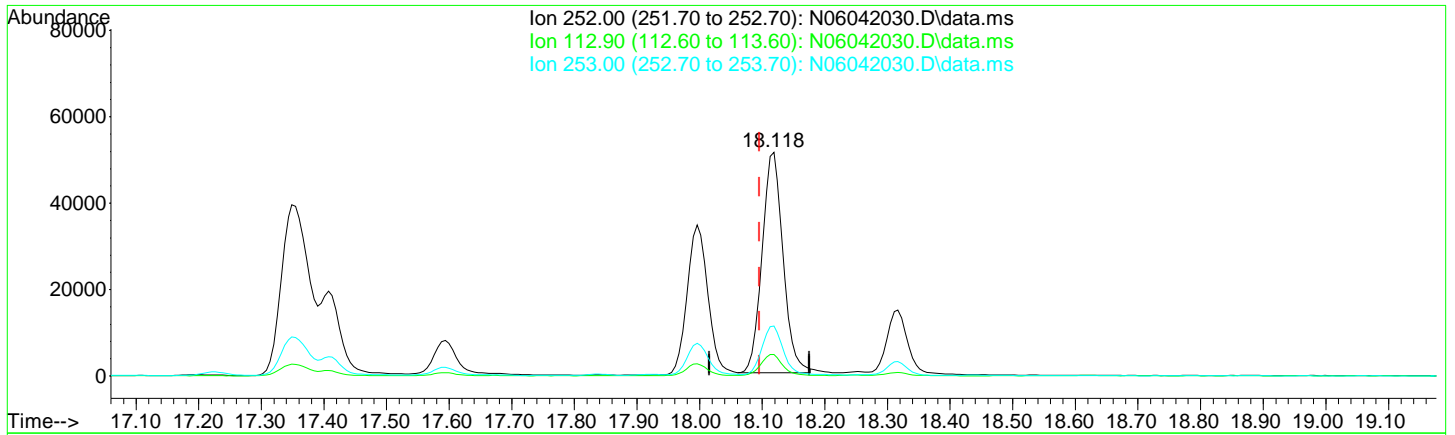
TIC: N06042030.D\data.ms

(30) Benzo(k)fluoranthene (T)		
Retention Time	Concentration	Response
17.407min (+ 0.017)	16.89 ng/ml m	40184
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.00
253.00	21.50	22.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(33) Benzo(a)pyrene (T)

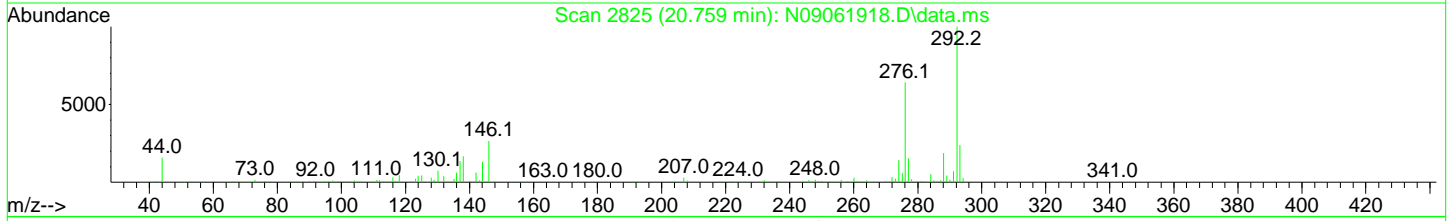
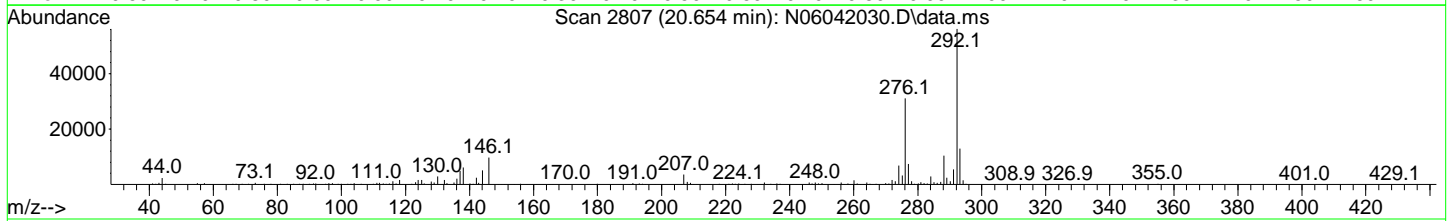
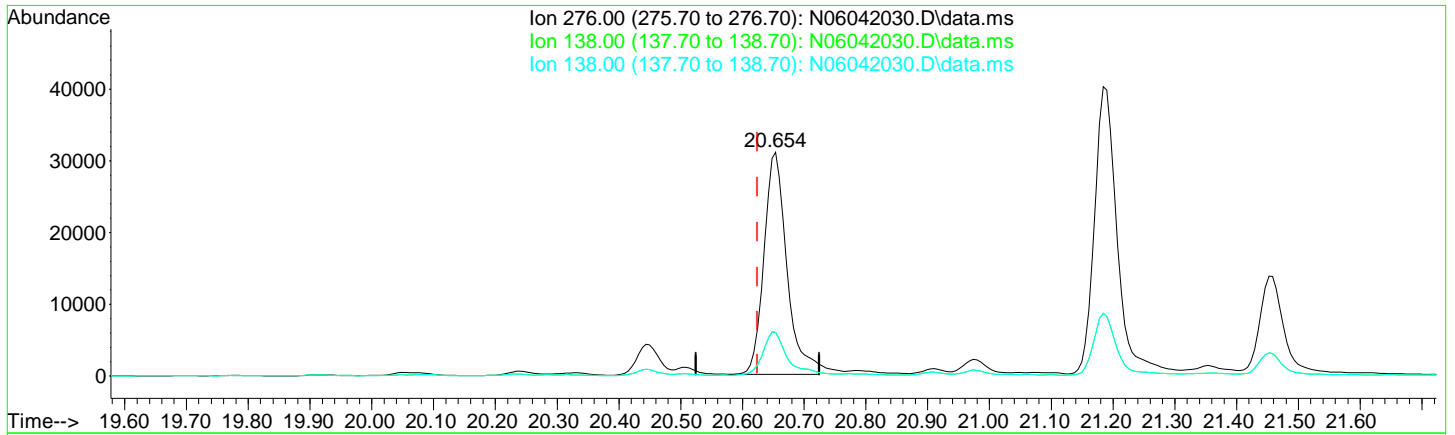
18.118min (+ 0.023) 61.52 ng/ml

response	118243
Ion	Exp% Act%
252.00	100.00 100.00
112.90	12.70 9.62
253.00	21.90 22.27
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)

20.654min (+ 0.029) 39.29 ng/ml

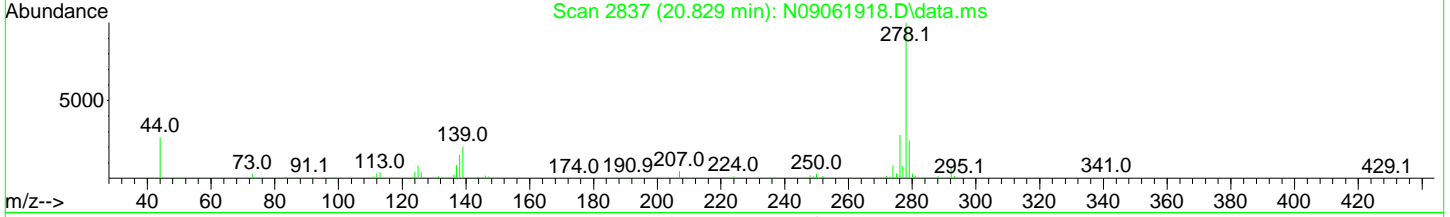
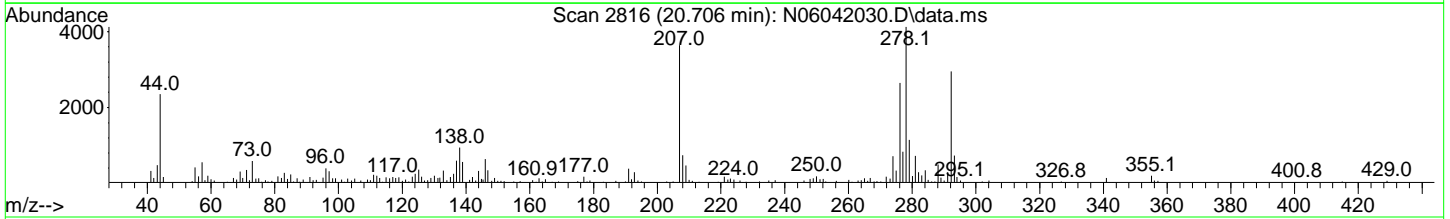
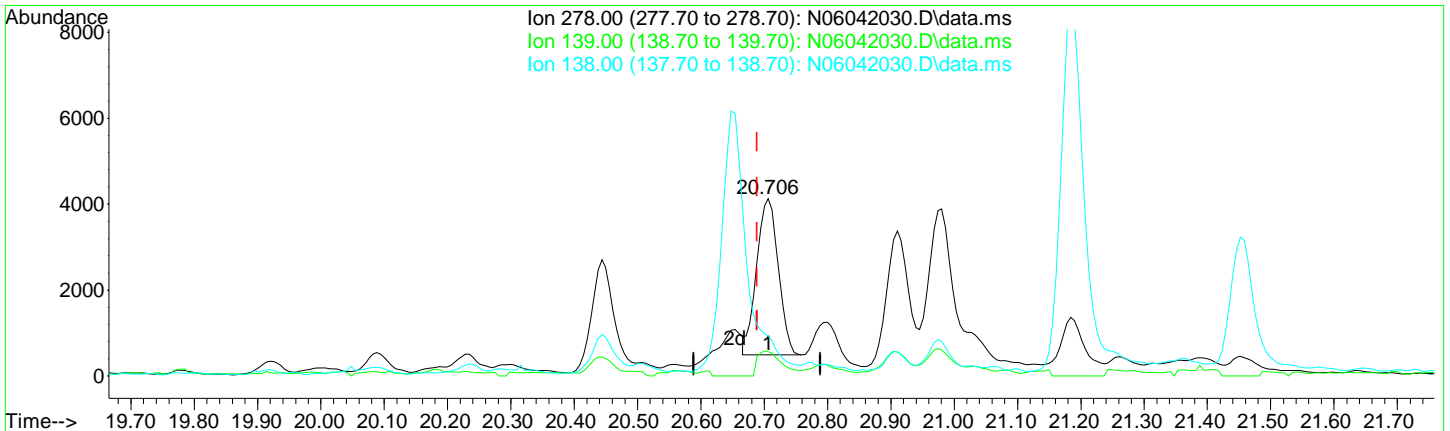
response 79588

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	19.59
138.00	31.60	19.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



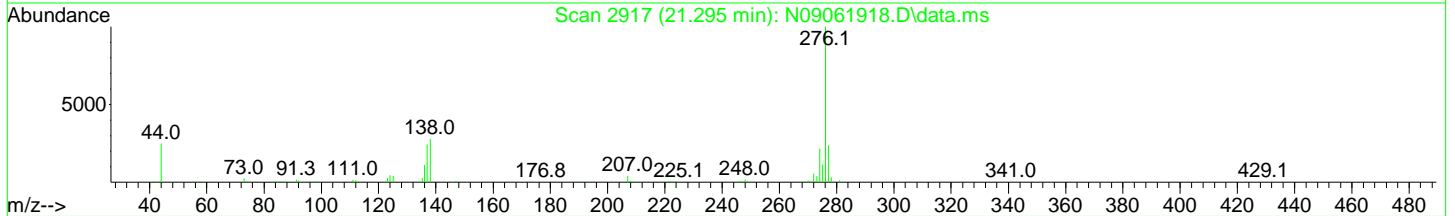
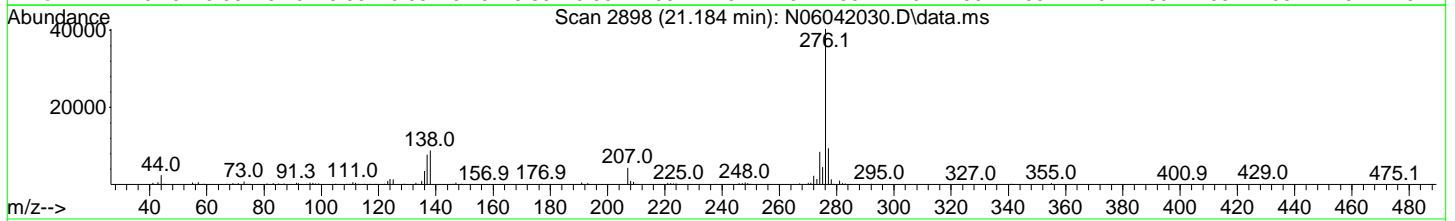
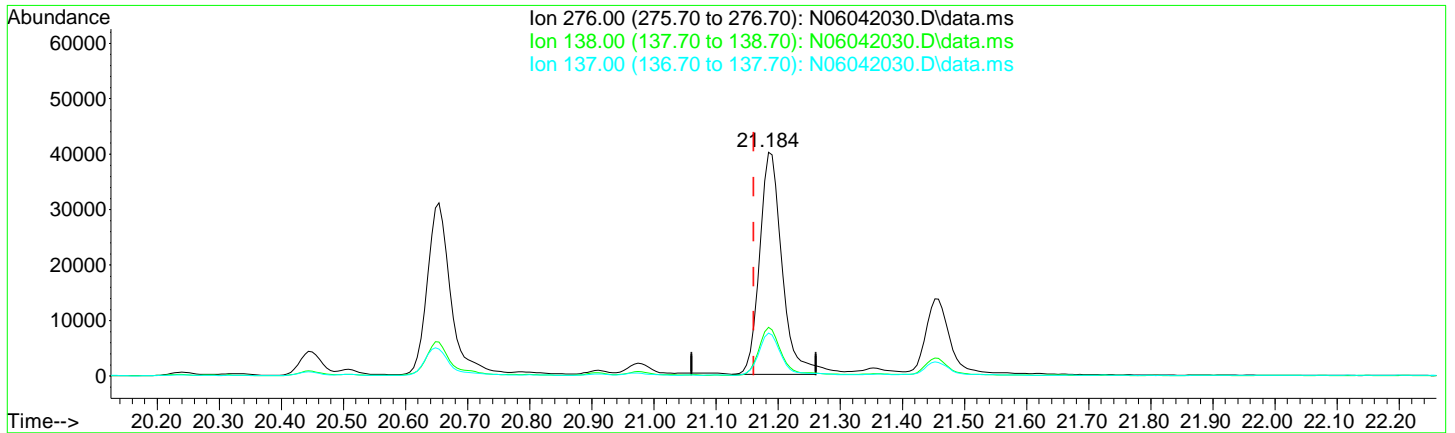
TIC: N06042030.D\data.ms

(37) Dibenz(a,h)anthracene (T)		
20.706min (+ 0.017)	4.22 ng/ml	
response	8614	
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	13.72
138.00	19.90	22.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F04059\
 Data File : N06042030.D
 Acq On : 04 Jun 2020 11:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0E0668-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:18:48 2020
 Quant Method : R:\methods\SV14_040720_PAHR5.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 22 12:10:55 2020
 Response via : Initial Calibration



TIC: N06042030.D\data.ms

(38) Benzo(g,h,i)perylene (T)

21.184min (+ 0.023) 45.97 ng/ml

response		
99910	Ion	Act%
	Exp%	Act%
	276.00	100.00
	138.00	21.75
	137.00	19.24
	0.00	0.00

**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Calibration Data**

Sequence 0D07056 (Cal ID A0D0804) SV-GCMS14



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D07056
Date: 04/07/20 16:31

Instrument: SV-GCMS14
Calibration: A0D0804

Table with 9 columns: #, Lab Number, Matrix, Analysis, Client, Due, Batch, ISTD ID, STD ID. Contains 15 rows of QC data for various lab numbers.

Data Entered By:

AMS 4/8/20

Comments:

Data Reviewed By:

MJ 4/9/20

Calibration Status Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

#	ID	Conc	ISTD Conc	Path\File
1	1.0	1	100	N:\data\2020-04\0D07056\N04072013.D
2	2.0	2	100	N:\data\2020-04\0D07056\N04072014.D
3	5.0	5	100	N:\data\2020-04\0D07056\N04072015.D
4	10.0	10	100	N:\data\2020-04\0D07056\N04072016.D
5	20	20	100	N:\data\2020-04\0D07056\N04072017.D
6	50.0	50	100	N:\data\2020-04\0D07056\N04072018.D
7	100	100	100	N:\data\2020-04\0D07056\N04072019.D
8	200	200	100	N:\data\2020-04\0D07056\N04072020.D
9	400	400	100	N:\data\2020-04\0D07056\N04072021.D
10	600	600	100	N:\data\2020-04\0D07056\N04072022.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 17:38
2	2.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 18:10
3	5.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 18:42
4	10.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 19:28
5	20	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 20:00
6	50.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 20:32
7	100	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 21:04
8	200	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 21:36
9	400	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 22:08
10	600	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 22:40

SV14_040720_PAH.M Wed Apr 08 10:26:23 2020

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

Calibration Files

1.0 =N04072013.D 2.0 =N04072014.D 5.0 =N04072015.D 10.0=N04072016.D 20 =N04072017.D 50.0=N04072018.D 100 =N04072019.D
 200 =N04072020.D 400 =N04072021.D 600 =N04072022.D

Compound	1.0	2.0	5.0	10.0	20	50.0	100	200	400	600	Avg	%RSD	
1) I Naphthalene-d8 (ISTD)	-----ISTD-----												<i>4.55</i>
2) S Nitrobenzene-d...	0.346	0.316	0.325	0.292	0.305	0.302	0.298	0.308	0.315	0.318	0.312	4.94	
3) T Decalin		0.070	0.093	0.082	0.076	0.075	0.077	0.076	0.080	0.090	0.080	9.45	
4) T Naphthalene	1.190	1.149	1.133	1.103	1.102	1.060	1.029	1.048	1.049	1.028	1.089	5.06 ✓	
5) T 2-Methylnaphth...	0.683	0.700	0.714	0.704	0.734	0.737	0.723	0.766	0.787	0.767	0.731	4.60 ✓	
6) T 1-Methylnaphth...	0.722	0.710	0.703	0.708	0.747	0.733	0.709	0.736	0.763	0.730	0.726	2.66 ✓	
7) T 1,1'-Biphenyl	0.998	0.870	0.856	0.892	0.948	0.914	0.881	0.938	0.983	0.938	0.922	5.18	
8) T 2,6-Dimethylna...	0.608	0.585	0.572	0.585	0.650	0.630	0.628	0.674	0.711	0.680	0.632	7.33	
9) I Acenaphthene-d10 (...)	-----ISTD-----												<i>4.91</i>
10) S 2-Fluorobiphen...	1.452	1.546	1.670	1.605	1.567	1.545	1.533	1.524	1.547	1.493	1.548	3.81 ✓	
11) T Acenaphthylene	1.648	1.722	1.754	1.785	1.855	1.929	1.948	1.990	2.037	1.978	1.865	7.06 ✓	
12) T Acenaphthene	1.393	1.401	1.423	1.399	1.383	1.372	1.352	1.336	1.332	1.287	1.368	3.00 ✓	
13) T Dibenzofuran	1.583	1.612	1.655	1.699	1.716	1.650	1.658	1.658	1.695	1.630	1.656	2.46 ✓	
14) T 1,6,7-Trimethy...	1.114	1.016	1.034	1.036	1.116	1.061	1.089	1.089	1.121	1.044	1.072	3.60 ✓	
15) T Fluorene	1.408	1.267	1.261	1.296	1.346	1.288	1.300	1.325	1.367	1.293	1.315	3.54 ✓	
16) I Phenanthrene-d10 (...)	-----ISTD-----												<i>8.64</i>
17) T Dibenzothiopene	1.081	0.993	0.995	1.009	1.031	1.025	0.977	1.015	1.005	0.975	1.011	3.07	
18) T Phenanthrene	1.275	1.193	1.219	1.159	1.152	1.133	1.084	1.117	1.089	1.090	1.151	5.45 ✓	
19) T Anthracene	0.967	0.848	0.879	0.907	0.973	0.952	0.969	0.998	1.017	0.916	0.943	5.69 ✓	
20) T Carbazole	0.768	0.741	0.806	0.829	0.829	0.857	0.860	0.872	0.855	0.720	0.814	6.59 ✓	
21) T 1-Methylphenan...	0.730	0.730	0.748	0.765	0.779	0.796	0.791	0.817	0.827	0.778	0.776	4.32	
22) T Fluoranthene	1.028	1.052	1.086	1.117	1.098	1.145	1.158	1.224	1.258	1.178	1.134	6.43 ✓	
23) I Chrysene-d12 (ISTD)	-----ISTD-----												<i>12.22</i>
24) T Pyrene	1.297	1.267	1.186	1.290	1.434	1.240	1.245	1.323	1.337	1.353	1.297	5.36 ✓	
25) S Terphenyl-d14 ...	0.994	0.919	0.942	0.984	1.020	0.966	0.940	0.971	0.968	0.959	0.966	3.02 ✓	
26) T Benz(a)anthracene	1.227	1.103	0.979	0.977	0.964	0.992	0.976	1.027	1.066	1.060	1.037	7.88 ✓	
27) T Chrysene	1.105	1.160	1.081	1.041	1.072	1.057	1.034	1.048	1.038	1.029	1.067	3.81 ✓	
28) I Perylene-d12 (ISTD)	-----ISTD-----												<i>16.44</i>
29) T Benzo(b)fluora...	1.035	0.959	0.949	0.991	1.000	0.998	1.018	1.086	1.138	1.163	1.034	7.03 ✓	
30) T Benzo(k)fluora...	0.978	0.906	0.911	1.002	1.018	1.033	1.089	1.121	1.139	1.109	1.031	8.10 ✓	
31) T Benzo(b+k)fluo...	1.007	1.005	1.020	1.074	1.091	1.072	1.103	1.146	1.179	1.172	1.087	5.96 ✓	
32) T Benzo(e)pyrene	0.955	1.069	1.006	1.054	1.096	1.047	1.075	1.136	1.176	1.196	1.081	6.84 ✓	
33) T Benzo(a)pyrene	0.612	0.636	0.660	0.751	0.778	0.880	0.916	0.974	1.000	0.975	0.818	18.31 ✓	
34) T Perylene		0.838	0.972	1.086	1.118	1.204	1.181	1.201	1.219	1.198	1.113	11.68 ✓	
35) I Dibenz(a,h)Anthrce...	-----ISTD-----												<i>13.68</i>
36) T Indeno(1,2,3-c...	1.028	1.006	1.030	1.054	1.084	1.071	1.071	1.124	1.168	1.228	1.086	6.33 ✓	

Method Path : N:\methods\
Method File : SV14_040720_PAH.M

Title : EPA 8270D: Semivolatile Organics

37) T	Dibenz(a,h)ant...	1.031	0.977	1.093	1.047	1.084	1.094	1.097	1.128	1.200	1.202	1.095	6.40 ✓
38) T	Benzo(g,h,i)pe...	0.965	0.968	1.052	1.081	1.166	1.189	1.224	1.272	1.334	1.402	1.165	12.77 ✓

(#) = Out of Range

Compound List Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

Total Cpnds : 38

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Naphthalene-d8 (ISTD)	136	7.906	1.000	A	2	A	B
2	S Nitrobenzene-d5 (Surr)	82	7.207	0.912	A	1	A	R
3	T Decalin	138	7.381	0.934	A	2	A	B
4	T Naphthalene	128	7.924	1.002	A	2	A	R
5	T 2-Methylnaphthalene	142	8.612	1.089	A	2	A	R
6	T 1-Methylnaphthalene	142	8.711	1.102	A	2	A	R
7	T 1,1'-Biphenyl	154	9.078	1.148	A	2	A	B
8	T 2,6-Dimethylnaphthalene	156	9.235	1.168	A	2	A	R
9	I Acenaphthene-d10 (ISTD)	162	9.661	1.000	A	2	A	R
10	S 2-Fluorobiphenyl (Surr)	172	8.973	0.929	A	2	A	R
11	T Acenaphthylene	152	9.515	0.985	A	2	A	R
12	T Acenaphthene	153	9.696	1.004	A	2	A	R
13	T Dibenzofuran	168	9.865	1.021	A	2	A	R
14	T 1,6,7-Trimethylnaphthalene	170	10.080	1.043	A	2	A	R
15	T Fluorene	166	10.215	1.057	A	2	A	R
16	I Phenanthrene-d10 (ISTD)	188	11.165	1.000	A	2	A	R
17	T Dibenzothiopene	184	11.066	0.991	A	3	A	R
18	T Phenanthrene	178	11.188	1.002	A	2	A	R
19	T Anthracene	178	11.240	1.007	A	2	A	R
20	T Carbazole	167	11.398	1.021	A	2	A	R
21	T 1-Methylphenanthrene	192	11.817	1.058	A	2	A	R
22	T Fluoranthene	202	12.459	1.116	A	2	A	R
23	I Chrysene-d12 (ISTD)	240	14.947	1.000	A	2	A	R
24	T Pyrene	202	12.750	0.853	A	2	A	R
25	S Terphenyl-d14 (Surr)	244	12.960	0.867	A	2	A	R
26	T Benz(a)anthracene	228	14.924	0.998	A	2	A	R
27	T Chrysene	228	15.006	1.004	A	2	A	R
28	I Perylene-d12 (ISTD)	264	18.410	1.000	A	2	A	R
29	T Benzo(b)fluoranthene	252	17.506	0.951	A	2	A	R
30	T Benzo(k)fluoranthene	252	17.570	0.954	A	2	A	R
31	T Benzo(b+k)fluoranthene	252	17.570	0.954	A	2	A	R
32	T Benzo(e)pyrene	252	18.153	0.986	A	2	A	R
33	T Benzo(a)pyrene	252	18.270	0.992	Q 2	2	A	R
34	T Perylene	252	18.473	1.003	A	2	A	R
35	I Dibenz(a,h)Anthracene-d14 (ISTD)	292	20.794	1.000	A	2	A	R
36	T Indeno(1,2,3-cd)Pyrene	276	20.794	1.000	A	2	A	R
37	T Dibenz(a,h)anthracene	278	20.857	1.003	A	2	A	R
38	T Benzo(g,h,i)perylene	276	21.324	1.026	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
 #Qual = number of qualifiers
 A/H = Area or Height
 ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

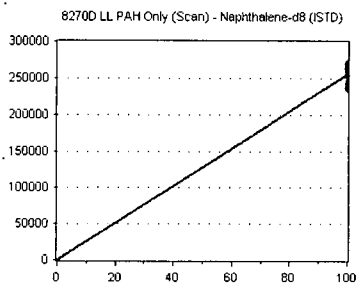
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

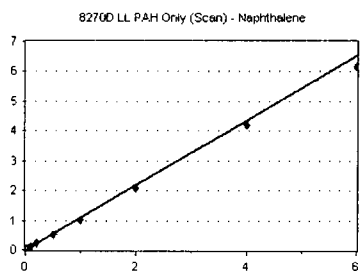


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	243074	2430.740	7.91
0D07056-CAL2	100	243705	2437.050	7.91
0D07056-CAL3	100	254846	2548.460	7.91
0D07056-CAL4	100	270985	2709.850	7.91
0D07056-CAL5	100	258751	2587.510	7.91
0D07056-CAL6	100	265079	2650.790	7.91
0D07056-CAL7	100	270936	2709.360	7.91
0D07056-CAL8	100	259002	2590.020	7.91
0D07056-CAL9	100	255231	2552.310	7.91
0D07056-CALA	100	237171	2371.710	7.91

AVE RF 2558.780 RF RSD 4.55 AVE RT 7.91

Naphthalene

Curve Fit: **AVERAGE RF**

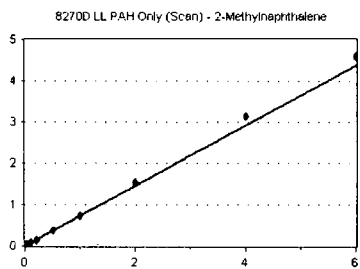


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2892	1.190	7.93
0D07056-CAL2	2	5600	1.149	7.92
0D07056-CAL3	5	14431	1.133	7.92
0D07056-CAL4	10	29903	1.103	7.92
0D07056-CAL5	20	57019	1.102	7.92
0D07056-CAL6	50	140541	1.060	7.92
0D07056-CAL7	100	278907	1.029	7.92
0D07056-CAL8	200	543013	1.048	7.92
0D07056-CAL9	400	1070767	1.049	7.92
0D07056-CALA	600	1463412	1.028	7.92

AVE RF 1.089 RF RSD 5.06 AVE RT 7.92

2-Methylnaphthalene

Curve Fit: **AVERAGE RF**

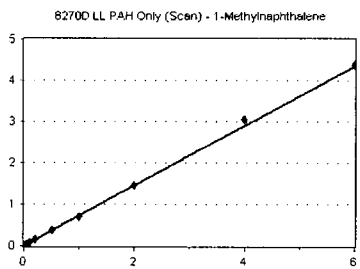


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1659	0.683	8.61
0D07056-CAL2	2	3410	0.700	8.61
0D07056-CAL3	5	9092	0.714	8.61
0D07056-CAL4	10	19067	0.704	8.61
0D07056-CAL5	20	37992	0.734	8.61
0D07056-CAL6	50	97673	0.737	8.61
0D07056-CAL7	100	195774	0.723	8.61
0D07056-CAL8	200	396823	0.766	8.61
0D07056-CAL9	400	803600	0.787	8.61
0D07056-CALA	600	1091692	0.767	8.61

AVE RF 0.731 RF RSD 4.60 AVE RT 8.61

1-Methylnaphthalene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1756	0.722	8.71
0D07056-CAL2	2	3462	0.710	8.71
0D07056-CAL3	5	8964	0.703	8.71
0D07056-CAL4	10	19186	0.708	8.71
0D07056-CAL5	20	38641	0.747	8.71
0D07056-CAL6	50	97197	0.733	8.71
0D07056-CAL7	100	191985	0.709	8.71
0D07056-CAL8	200	381343	0.736	8.71
0D07056-CAL9	400	778825	0.763	8.71
0D07056-CALA	600	1038153	0.730	8.71

AVE RF 0.726 RF RSD 2.66 AVE RT 8.71

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

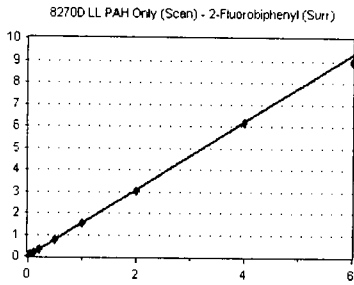
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

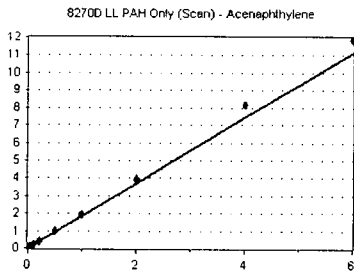


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2174	1.452	8.97
OD07056-CAL2	2	4191	1.546	8.97
OD07056-CAL3	5	10979	1.670	8.97
OD07056-CAL4	10	22576	1.605	8.97
OD07056-CAL5	20	46527	1.567	8.97
OD07056-CAL6	50	113161	1.545	8.97
OD07056-CAL7	100	225961	1.533	8.97
OD07056-CAL8	200	456518	1.524	8.97
OD07056-CAL9	400	957543	1.547	8.97
OD07056-CALA	600	1276915	1.493	8.97

AVE RF 1.548 RF RSD 3.81 AVE RT 8.97

Acenaphthylene

Curve Fit: **AVERAGE RF**

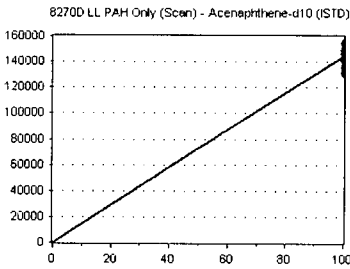


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2466	1.648	9.52
OD07056-CAL2	2	4668	1.722	9.52
OD07056-CAL3	5	11532	1.754	9.52
OD07056-CAL4	10	25120	1.785	9.52
OD07056-CAL5	20	55074	1.855	9.52
OD07056-CAL6	50	141318	1.929	9.52
OD07056-CAL7	100	287167	1.948	9.52
OD07056-CAL8	200	596158	1.990	9.52
OD07056-CAL9	400	1260795	2.037	9.52
OD07056-CALA	600	1692015	1.978	9.52

AVE RF 1.865 RF RSD 7.06 AVE RT 9.52

Acenaphthene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

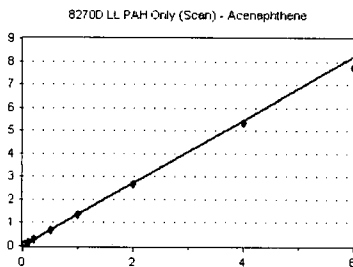


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	149679	1496.790	9.66
OD07056-CAL2	100	135566	1355.660	9.66
OD07056-CAL3	100	131499	1314.990	9.66
OD07056-CAL4	100	140702	1407.020	9.66
OD07056-CAL5	100	148424	1484.240	9.66
OD07056-CAL6	100	146492	1464.920	9.66
OD07056-CAL7	100	147420	1474.200	9.66
OD07056-CAL8	100	149753	1497.530	9.66
OD07056-CAL9	100	154741	1547.410	9.66
OD07056-CALA	100	142544	1425.440	9.66

AVE RF 1446.820 RF RSD 4.91 AVE RT 9.66

Acenaphthene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2085	1.393	9.70
OD07056-CAL2	2	3799	1.401	9.70
OD07056-CAL3	5	9358	1.423	9.70
OD07056-CAL4	10	19684	1.399	9.70
OD07056-CAL5	20	41060	1.383	9.70
OD07056-CAL6	50	100491	1.372	9.70
OD07056-CAL7	100	199310	1.352	9.70
OD07056-CAL8	200	400273	1.336	9.70
OD07056-CAL9	400	824563	1.332	9.70
OD07056-CALA	600	1100304	1.287	9.70

AVE RF 1.368 RF RSD 3.00 AVE RT 9.70

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

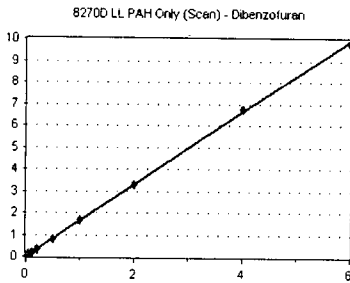
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Dibenzofuran

Curve Fit: **AVERAGE RF**

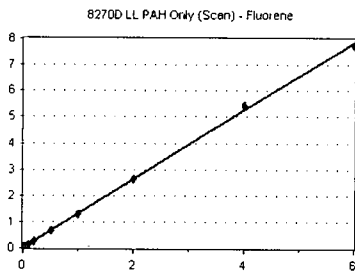


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2370	1.583	9.87
OD07056-CAL2	2	4370	1.612	9.87
OD07056-CAL3	5	10882	1.655	9.87
OD07056-CAL4	10	23912	1.699	9.87
OD07056-CAL5	20	50939	1.716	9.87
OD07056-CAL6	50	120846	1.650	9.87
OD07056-CAL7	100	244430	1.658	9.87
OD07056-CAL8	200	496566	1.658	9.87
OD07056-CAL9	400	1049059	1.695	9.87
OD07056-CALA	600	1394000	1.630	9.87

AVE RF 1.656 RF RSD 2.46 AVE RT 9.87

Fluorene

Curve Fit: **AVERAGE RF**

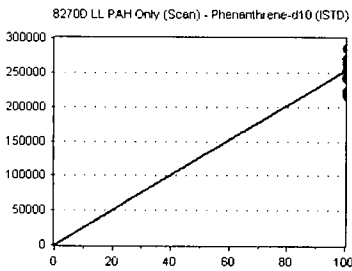


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2108	1.408	10.22
OD07056-CAL2	2	3434	1.267	10.22
OD07056-CAL3	5	8294	1.261	10.22
OD07056-CAL4	10	18241	1.296	10.22
OD07056-CAL5	20	39965	1.346	10.22
OD07056-CAL6	50	94350	1.288	10.22
OD07056-CAL7	100	191718	1.300	10.22
OD07056-CAL8	200	396773	1.325	10.21
OD07056-CAL9	400	846234	1.367	10.22
OD07056-CALA	600	1105549	1.293	10.22

AVE RF 1.315 RF RSD 3.54 AVE RT 10.22

Phenanthrene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

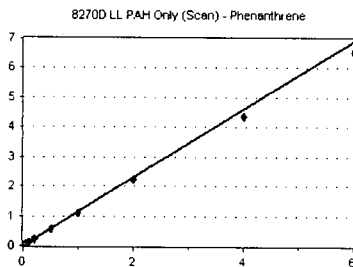


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	271576	2715.760	11.17
OD07056-CAL2	100	223200	2232.000	11.17
OD07056-CAL3	100	216520	2165.200	11.17
OD07056-CAL4	100	243789	2437.890	11.17
OD07056-CAL5	100	266029	2660.290	11.17
OD07056-CAL6	100	242013	2420.130	11.17
OD07056-CAL7	100	265984	2659.840	11.17
OD07056-CAL8	100	262815	2628.150	11.17
OD07056-CAL9	100	286145	2861.450	11.17
OD07056-CALA	100	254222	2542.220	11.17

AVE RF 2532.293 RF RSD 8.64 AVE RT 11.17

Phenanthrene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	3463	1.275	11.19
OD07056-CAL2	2	5324	1.193	11.19
OD07056-CAL3	5	13195	1.219	11.19
OD07056-CAL4	10	28266	1.159	11.19
OD07056-CAL5	20	61279	1.152	11.19
OD07056-CAL6	50	137147	1.133	11.19
OD07056-CAL7	100	288254	1.084	11.19
OD07056-CAL8	200	586910	1.117	11.19
OD07056-CAL9	400	1246717	1.089	11.19
OD07056-CALA	600	1662195	1.090	11.19

AVE RF 1.151 RF RSD 5.45 AVE RT 11.19

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

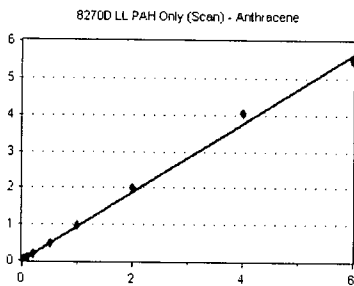
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Anthracene

Curve Fit: **AVERAGE RF**

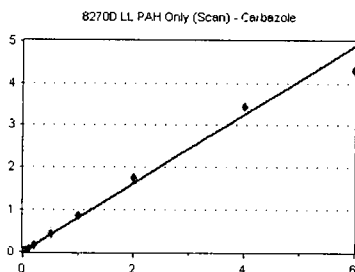


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2627	0.967	11.24
OD07056-CAL2	2	3785	0.848	11.24
OD07056-CAL3	5	9521	0.879	11.24
OD07056-CAL4	10	22111	0.907	11.25
OD07056-CAL5	20	51771	0.973	11.24
OD07056-CAL6	50	115187	0.952	11.24
OD07056-CAL7	100	257805	0.969	11.24
OD07056-CAL8	200	524623	0.998	11.24
OD07056-CAL9	400	1164250	1.017	11.25
OD07056-CALA	600	1396742	0.916	11.25

AVE RF 0.943 RF RSD 5.69 AVE RT 11.24

Carbazole

Curve Fit: **AVERAGE RF**

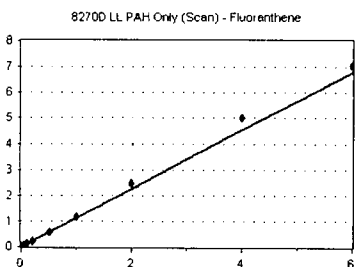


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2085	0.768	11.40
OD07056-CAL2	2	3308	0.741	11.40
OD07056-CAL3	5	8731	0.806	11.40
OD07056-CAL4	10	20204	0.829	11.40
OD07056-CAL5	20	44104	0.829	11.40
OD07056-CAL6	50	103743	0.857	11.40
OD07056-CAL7	100	228806	0.860	11.40
OD07056-CAL8	200	458445	0.872	11.40
OD07056-CAL9	400	979119	0.855	11.40
OD07056-CALA	600	1098601	0.720	11.40

AVE RF 0.814 RF RSD 6.59 AVE RT 11.40

Fluoranthene

Curve Fit: **AVERAGE RF**

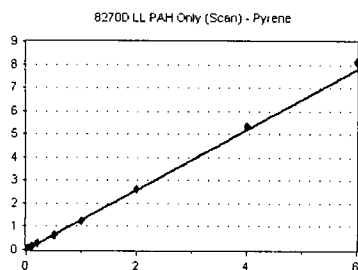


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2793	1.028	12.46
OD07056-CAL2	2	4694	1.052	12.46
OD07056-CAL3	5	11760	1.086	12.46
OD07056-CAL4	10	27227	1.117	12.46
OD07056-CAL5	20	58425	1.098	12.46
OD07056-CAL6	50	138576	1.145	12.46
OD07056-CAL7	100	308063	1.158	12.46
OD07056-CAL8	200	643616	1.224	12.46
OD07056-CAL9	400	1439355	1.258	12.46
OD07056-CALA	600	1796405	1.178	12.47

AVE RF 1.134 RF RSD 6.43 AVE RT 12.46

Pyrene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2915	1.297	12.75
OD07056-CAL2	2	4749	1.267	12.75
OD07056-CAL3	5	12228	1.186	12.75
OD07056-CAL4	10	28915	1.290	12.75
OD07056-CAL5	20	61609	1.434	12.75
OD07056-CAL6	50	148125	1.240	12.75
OD07056-CAL7	100	328255	1.245	12.75
OD07056-CAL8	200	678143	1.323	12.75
OD07056-CAL9	400	1513534	1.337	12.76
OD07056-CALA	600	1875198	1.353	12.76

AVE RF 1.297 RF RSD 5.36 AVE RT 12.75

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

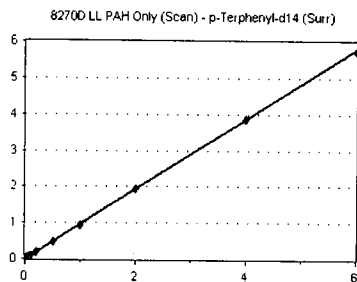
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

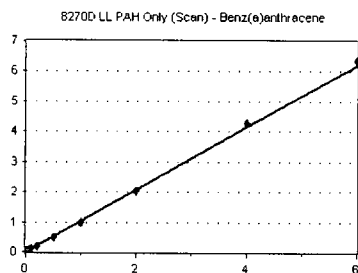


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2235	0.994	12.95
OD07056-CAL2	2	3444	0.919	12.95
OD07056-CAL3	5	9709	0.942	12.95
OD07056-CAL4	10	22061	0.984	12.96
OD07056-CAL5	20	43811	1.020	12.96
OD07056-CAL6	50	115369	0.966	12.96
OD07056-CAL7	100	247933	0.940	12.95
OD07056-CAL8	200	497857	0.971	12.96
OD07056-CAL9	400	1096177	0.968	12.96
OD07056-CALA	600	1328709	0.959	12.96

AVE RF 0.966 RF RSD 3.02 AVE RT 12.96

Benz(a)anthracene

Curve Fit: **AVERAGE RF**

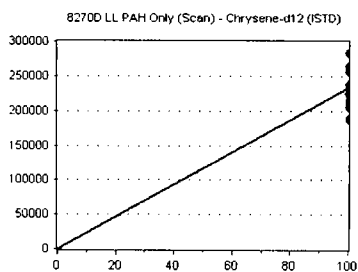


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2758	1.227	14.92
OD07056-CAL2	2	4134	1.103	14.92
OD07056-CAL3	5	10093	0.979	14.92
OD07056-CAL4	10	21888	0.977	14.93
OD07056-CAL5	20	41414	0.964	14.92
OD07056-CAL6	50	118477	0.992	14.92
OD07056-CAL7	100	257406	0.976	14.92
OD07056-CAL8	200	526616	1.027	14.93
OD07056-CAL9	400	1207333	1.066	14.94
OD07056-CALA	600	1469312	1.060	14.94

AVE RF 1.037 RF RSD 7.88 AVE RT 14.93

Chrysene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

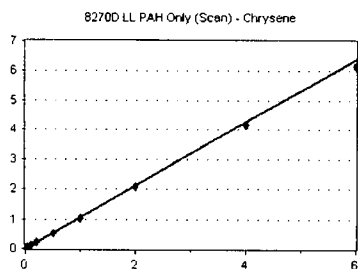


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	224745	2247.450	14.95
OD07056-CAL2	100	187464	1874.640	14.94
OD07056-CAL3	100	206205	2062.050	14.95
OD07056-CAL4	100	224123	2241.230	14.95
OD07056-CAL5	100	214808	2148.080	14.95
OD07056-CAL6	100	238949	2389.490	14.95
OD07056-CAL7	100	263757	2637.570	14.95
OD07056-CAL8	100	256376	2563.760	14.95
OD07056-CAL9	100	283021	2830.210	14.95
OD07056-CALA	100	231029	2310.290	14.95

AVE RF 2330.477 RF RSD 12.22 AVE RT 14.95

Chrysene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2483	1.105	15.01
OD07056-CAL2	2	4350	1.160	15.00
OD07056-CAL3	5	11149	1.081	15.01
OD07056-CAL4	10	23333	1.041	15.01
OD07056-CAL5	20	46060	1.072	15.01
OD07056-CAL6	50	126277	1.057	15.01
OD07056-CAL7	100	272605	1.034	15.01
OD07056-CAL8	200	537553	1.048	15.01
OD07056-CAL9	400	1174861	1.038	15.02
OD07056-CALA	600	1426972	1.029	15.02

AVE RF 1.067 RF RSD 3.81 AVE RT 15.01

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

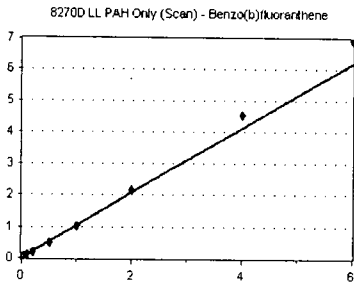
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

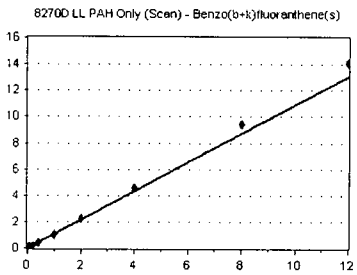


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1958	1.035	17.50
OD07056-CAL2	2	3031	0.959	17.50
OD07056-CAL3	5	8620	0.949	17.50
OD07056-CAL4	10	20389	0.991	17.51
OD07056-CAL5	20	37506	1.000	17.51
OD07056-CAL6	50	116347	0.998	17.51
OD07056-CAL7	100	253202	1.018	17.51
OD07056-CAL8	200	536283	1.086	17.51
OD07056-CAL9	400	1217211	1.138	17.52
OD07056-CALA	600	1548382	1.163	17.52

AVE RF 1.034 RF RSD 7.03 AVE RT 17.51

Benzo(b+k)fluoranthene(s)

Curve Fit: **AVERAGE RF**

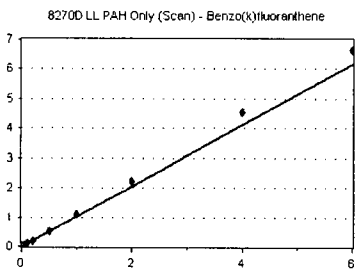


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	2	3809	1.007	17.50
OD07056-CAL2	4	6349	1.005	17.50
OD07056-CAL3	10	18526	1.020	17.50
OD07056-CAL4	20	44218	1.074	17.58
OD07056-CAL5	40	81846	1.091	17.57
OD07056-CAL6	100	249964	1.072	17.57
OD07056-CAL7	200	548680	1.103	17.57
OD07056-CAL8	400	1132360	1.146	17.58
OD07056-CAL9	800	2523866	1.179	17.59
OD07056-CALA	1200	3120142	1.172	17.59

AVE RF 1.087 RF RSD 5.96 AVE RT 17.55

Benzo(k)fluoranthene

Curve Fit: **AVERAGE RF**

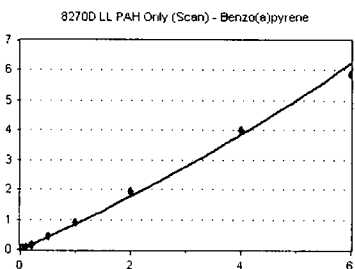


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1851	0.978	17.56
OD07056-CAL2	2	2864	0.906	17.56
OD07056-CAL3	5	8275	0.911	17.56
OD07056-CAL4	10	20616	1.002	17.58
OD07056-CAL5	20	38178	1.018	17.57
OD07056-CAL6	50	120385	1.033	17.57
OD07056-CAL7	100	270754	1.089	17.57
OD07056-CAL8	200	553475	1.121	17.58
OD07056-CAL9	400	1218167	1.139	17.59
OD07056-CALA	600	1475774	1.109	17.59

AVE RF 1.031 RF RSD 8.10 AVE RT 17.57

Benzo(a)pyrene

Curve Fit: **QUADRATIC: Weighting: (1/a^2) Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1158	0.612	18.26
OD07056-CAL2	2	2009	0.636	18.26
OD07056-CAL3	5	5994	0.660	18.26
OD07056-CAL4	10	15453	0.751	18.28
OD07056-CAL5	20	29191	0.778	18.27
OD07056-CAL6	50	102540	0.880	18.27
OD07056-CAL7	100	227825	0.916	18.27
OD07056-CAL8	200	480916	0.974	18.28
OD07056-CAL9	400	1069564	1.000	18.29
OD07056-CALA	600	1297353	0.975	18.29

AVE RF 0.818 RF RSD 18.31 AVE RT 18.27

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

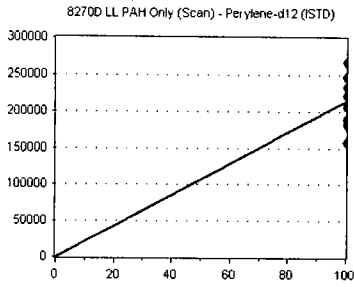
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

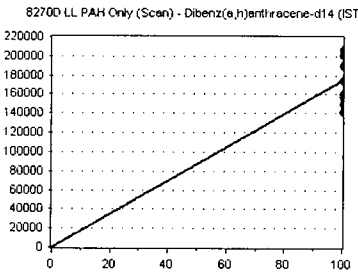


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	189170	1891.700	18.41
OD07056-CAL2	100	158010	1580.100	18.41
OD07056-CAL3	100	181653	1816.530	18.41
OD07056-CAL4	100	205793	2057.930	18.42
OD07056-CAL5	100	187485	1874.850	18.41
OD07056-CAL6	100	233103	2331.030	18.41
OD07056-CAL7	100	248613	2486.130	18.42
OD07056-CAL8	100	246957	2469.570	18.42
OD07056-CAL9	100	267480	2674.800	18.42
OD07056-CALA	100	221821	2218.210	18.42

AVE RF 2140.085 RF RSD 16.44 AVE RT 18.41

Dibenz(a,h)anthracene-d14 (ISTD)

Curve Fit: **AVERAGE RF**

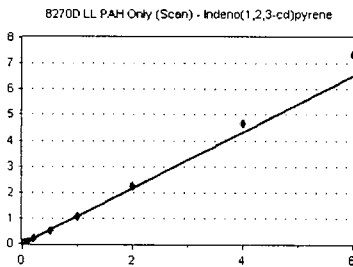


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	160677	1606.770	20.79
OD07056-CAL2	100	141496	1414.960	20.79
OD07056-CAL3	100	160102	1601.020	20.79
OD07056-CAL4	100	175208	1752.080	20.80
OD07056-CAL5	100	149877	1498.770	20.79
OD07056-CAL6	100	190743	1907.430	20.79
OD07056-CAL7	100	201252	2012.520	20.79
OD07056-CAL8	100	201443	2014.430	20.79
OD07056-CAL9	100	206453	2064.530	20.81
OD07056-CALA	100	157020	1570.200	20.81

AVE RF 1744.271 RF RSD 13.68 AVE RT 20.79

Indeno(1,2,3-cd)pyrene

Curve Fit: **AVERAGE RF**

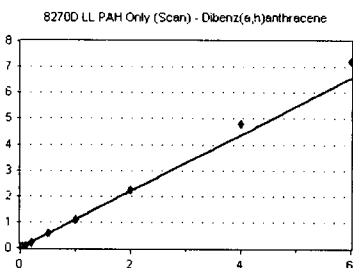


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1652	1.028	20.79
OD07056-CAL2	2	2847	1.006	20.79
OD07056-CAL3	5	8244	1.030	20.79
OD07056-CAL4	10	18462	1.054	20.80
OD07056-CAL5	20	32482	1.084	20.79
OD07056-CAL6	50	102100	1.071	20.79
OD07056-CAL7	100	215605	1.071	20.79
OD07056-CAL8	200	452810	1.124	20.80
OD07056-CAL9	400	964615	1.168	20.81
OD07056-CALA	600	1156472	1.228	20.81

AVE RF 1.086 RF RSD 6.33 AVE RT 20.80

Dibenz(a,h)anthracene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1657	1.031	20.86
OD07056-CAL2	2	2764	0.977	20.85
OD07056-CAL3	5	8753	1.093	20.85
OD07056-CAL4	10	18337	1.047	20.86
OD07056-CAL5	20	32488	1.084	20.86
OD07056-CAL6	50	104317	1.094	20.86
OD07056-CAL7	100	220763	1.097	20.86
OD07056-CAL8	200	454575	1.128	20.86
OD07056-CAL9	400	991281	1.200	20.88
OD07056-CALA	600	1132840	1.202	20.88

AVE RF 1.095 RF RSD 6.40 AVE RT 20.86

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

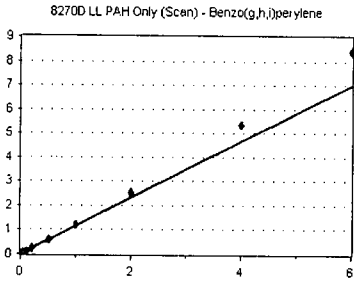
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Benzo(g,h,i)perylene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1550	0.965	21.32
0D07056-CAL2	2	2738	0.968	21.32
0D07056-CAL3	5	8418	1.052	21.32
0D07056-CAL4	10	18938	1.081	21.33
0D07056-CAL5	20	34943	1.166	21.32
0D07056-CAL6	50	113428	1.189	21.32
0D07056-CAL7	100	246409	1.224	21.33
0D07056-CAL8	200	512635	1.272	21.34
0D07056-CAL9	400	1102019	1.334	21.35
0D07056-CALA	600	1320462	1.402	21.35

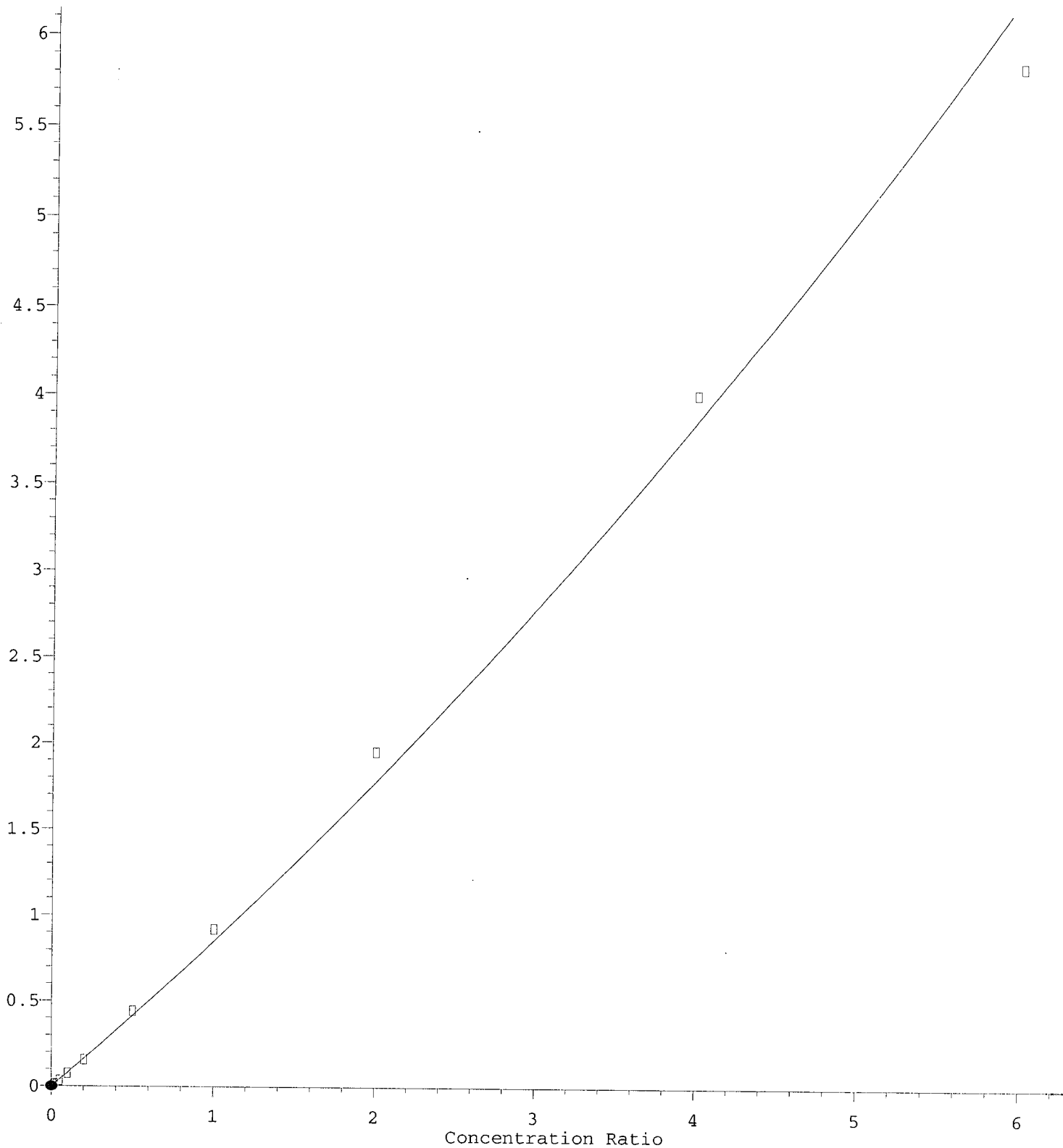
AVE RF **1.165**

RF RSD **12.77**

AVE RT **21.33**

Benzo(a)pyrene

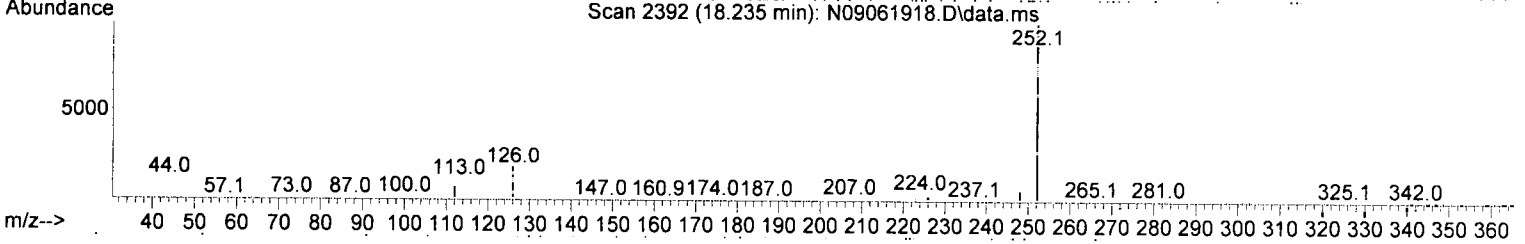
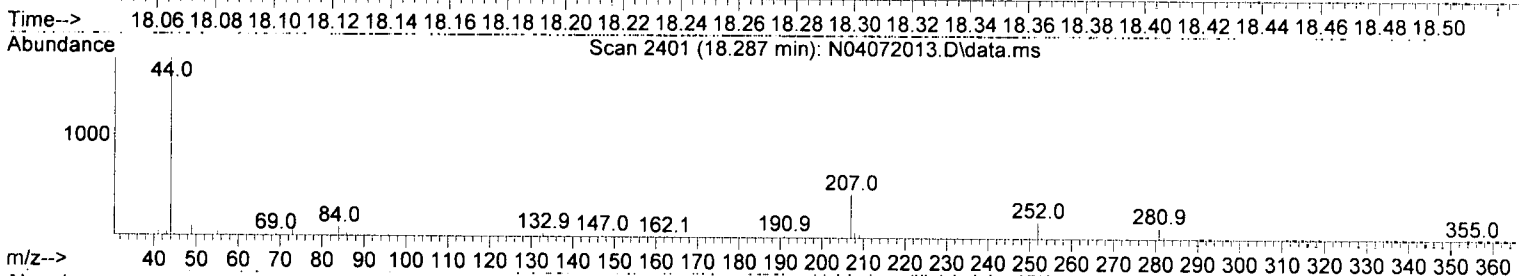
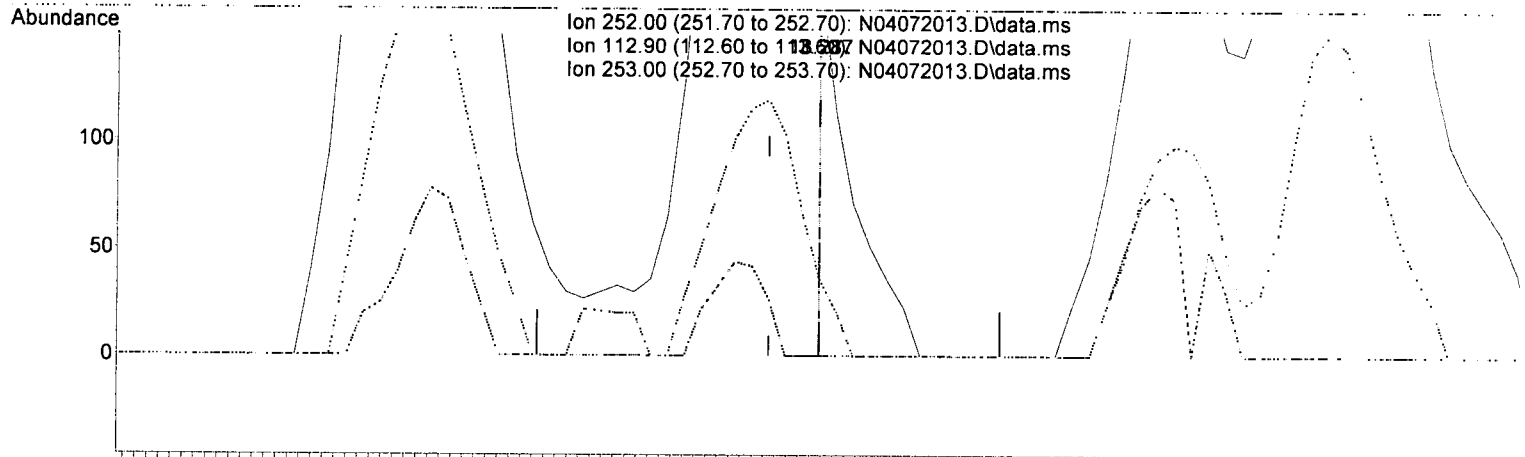
Response Ratio



Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\REQUANT\
 Data File : N04072013.D
 Acq On : 07 Apr 2020 17:38
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL1
 Misc : 1x, A20C467@1PPB
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:18 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072013.D\data.ms

(33) Benzo(a)pyrene (T)

18.287min (+ 0.017) 0.38 ng/ml m

response 102

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	0.00
253.00	21.90	20.34
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

Analysis Included
8270D LL PAH Only (Scan)

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analized
0D07056-TUN1	MS Tune	Soil	A20C407	A20C067	4/7/2020 4:40:00PM
0D07056-ICB1	Initial Cal Blank	Soil		A20C067	4/7/2020 5:07:00PM
0D07056-CAL1	Cal Standard	Soil	A20C467	"	4/7/2020 5:38:00PM
0D07056-CAL2	Cal Standard	Soil	A20C468	"	4/7/2020 6:10:00PM
0D07056-CAL3	Cal Standard	Soil	A20C469	"	4/7/2020 6:42:00PM
0D07056-CAL4	Cal Standard	Soil	A20C470	"	4/7/2020 7:28:00PM
0D07056-CAL5	Cal Standard	Soil	A20C471	"	4/7/2020 8:00:00PM
0D07056-CAL6	Cal Standard	Soil	A20C472	"	4/7/2020 8:32:00PM
0D07056-CAL7	Cal Standard	Soil	A20C473	"	4/7/2020 9:04:00PM
0D07056-CAL8	Cal Standard	Soil	A20C474	"	4/7/2020 9:36:00PM
0D07056-CAL9	Cal Standard	Soil	A20C475	"	4/7/2020 10:08:00PM
0D07056-CALA	Cal Standard	Soil	A20C476	"	4/7/2020 10:40:00PM
0D07056-ICV1	Initial Cal Check	Soil	A20C479	"	4/7/2020 11:44:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0D0804** Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan) Sequence: **0D07056** Matrix: **Soil**

SampleID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL1					
0D07056-CAL2					
0D07056-CAL3					
0D07056-CAL4					
0D07056-CAL5					
0D07056-CAL6					
0D07056-CAL7					
0D07056-CAL8					
0D07056-CAL9					
0D07056-CALA					

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

Evaluate Continuing Calibration Report

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:58 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

Compound		Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	100	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	38.067	23.9	79	0.00
3 T	Decalin	50.000	41.463	17.1	88	0.00
4 T	Naphthalene	50.000	46.475	7.0	96	0.00
5 T	2-Methylnaphthalene	50.000	49.193	1.6	98	0.00
6 T	1-Methylnaphthalene	50.000	49.741	0.5	99	0.00
7 T	1,1'-Biphenyl	50.000	50.032	-0.1	101	0.00
8 T	2,6-Dimethylnaphthalene	50.000	50.010	-0.0	101	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	99	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	51.187	-2.4	102	0.00
11 T	Acenaphthylene	50.000	50.464	-0.9	97	0.00
12 T	Acenaphthene	50.000	50.180	-0.4	99	0.00
13 T	Dibenzofuran	50.000	52.969	-5.9	105	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	51.548	-3.1	103	0.00
15 T	Fluorene	50.000	51.338	-2.7	104	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	109	0.00
17 T	Dibenzothiopene	50.000	46.957	6.1	101	0.00
18 T	Phenanthrene	50.000	49.287	1.4	109	0.00
19 T	Anthracene	50.000	49.565	0.9	107	0.00
20 T	Carbazole	50.000	49.867	0.3	103	0.00
21 T	1-Methylphenanthrene	50.000	50.546	-1.1	107	0.00
22 T	Fluoranthene	50.000	48.648	2.7	105	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	88	0.00
24 T	Pyrene	50.000	56.518	-13.0	104	0.00
25 S	Terphenyl-d14 (Surr)	50.000	51.739	-3.5	91	0.00
26 T	Benz(a)anthracene	50.000	46.660	6.7	86	0.00
27 T	Chrysene	50.000	51.045	-2.1	90	0.00
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	83	0.00
29 T	Benzo(b)fluoranthene	50.000	46.576	6.8	80	0.00
30 T	Benzo(k)fluoranthene	50.000	49.454	1.1	82	0.00
31 T	Benzo(b+k)fluoranthene	100.000	97.550	2.5	82	0.00
32 T	Benzo(e)pyrene	50.000	49.681	0.6	85	0.00
33 T	Benzo(a)pyrene	50.000	49.592	0.8	78	0.00
34 T	Perylene	50.000	52.757	-5.5	81	0.00
35 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	79	0.00
36 T	Indeno(1,2,3-cd)Pyrene	50.000	47.755	4.5	76	0.00
37 T	Dibenz(a,h)anthracene	50.000	48.550	2.9	76	0.00
38 T	Benzo(g,h,i)perylene	50.000	52.008	-4.0	80	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

gpd 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.653	150	240709	2.00	ug/mL	0.00
2) Naphthalene-d8	7.854	136	713167	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.620	162	406349	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.130	188	757910	2.00	ug/mL	0.00
11) Chrysene-d12	14.819	240	611764	2.00	ug/mL	0.00
12) Perylene-d12	16.842	264	570030	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	18.066	292	501838	2.00	ug/mL #	0.00
Target Compounds						
4) Pentachlorophenol	10.949	266	1845493	48.09	ug/mL	83
6) DFTPP	11.427	442	2747851	44.91	ug/mL#	69
7) Benzidine	12.593	184	7014847	26.02	ug/mL	98
8) 4,4-DDE	12.837	TIC	341628	No Calib		
9) 4,4-DDD	13.345	TIC	396978	No Calib		
10) 4,4-DDT	13.916	TIC	24135849	31.05	ug/mL	95

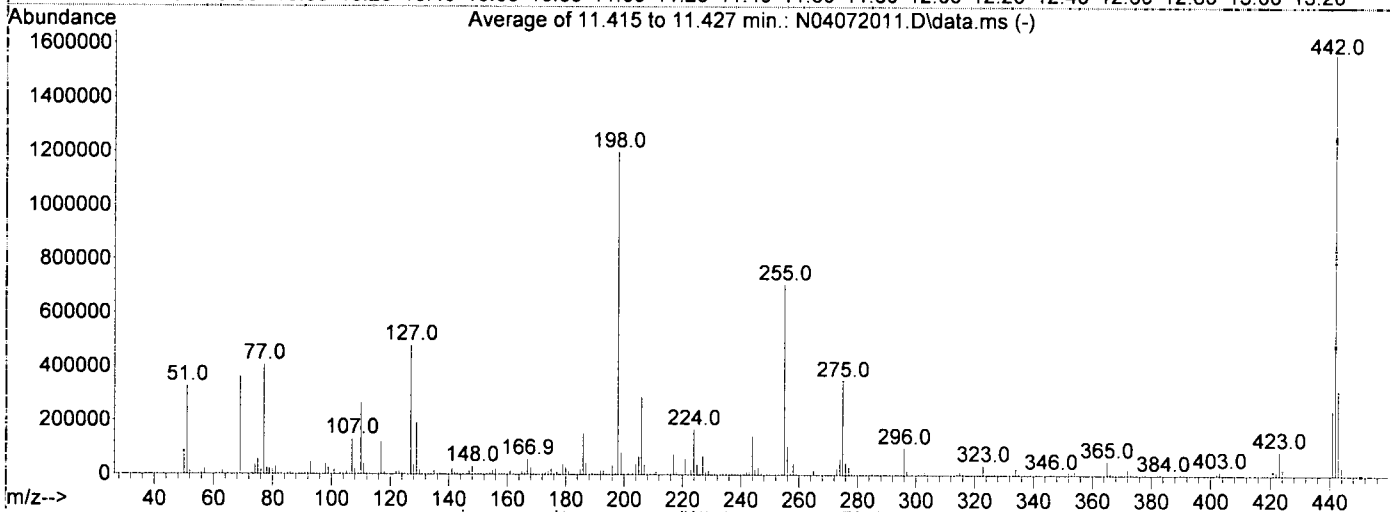
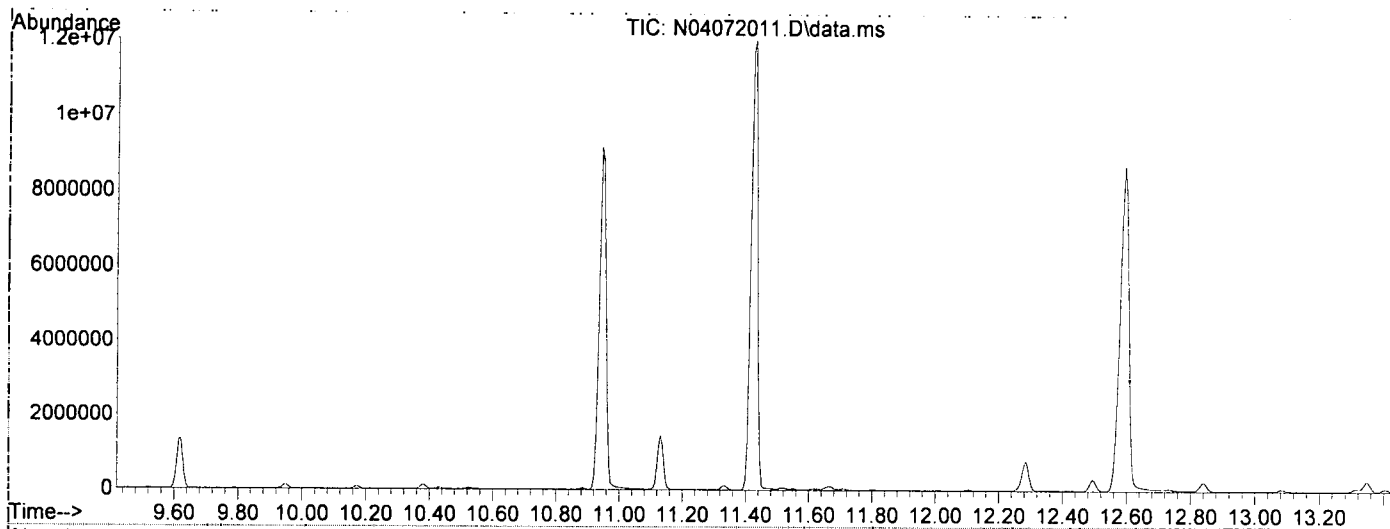
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : N:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Wed Apr 08 09:38:16 2020

Handwritten: 4/8/20



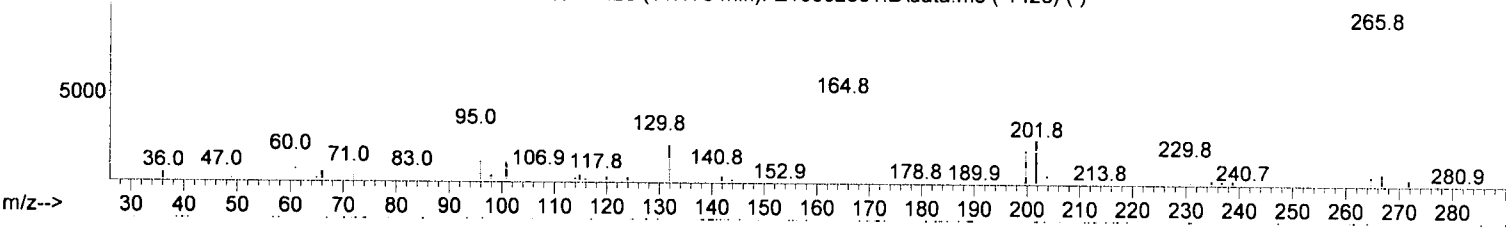
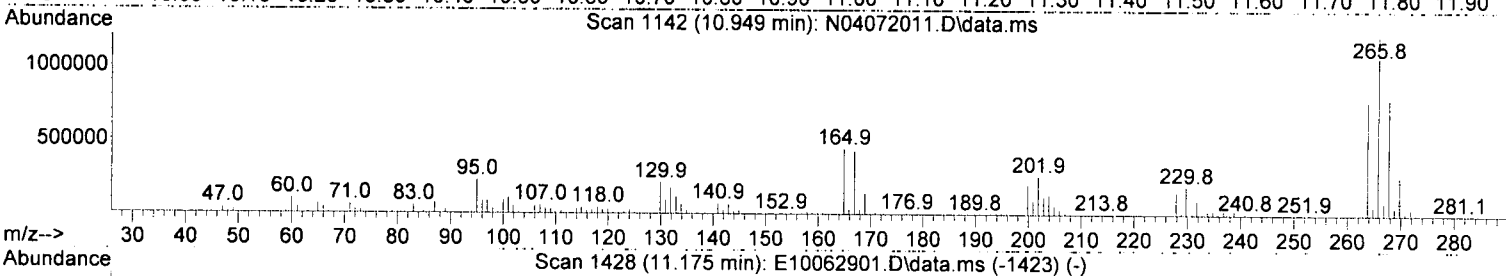
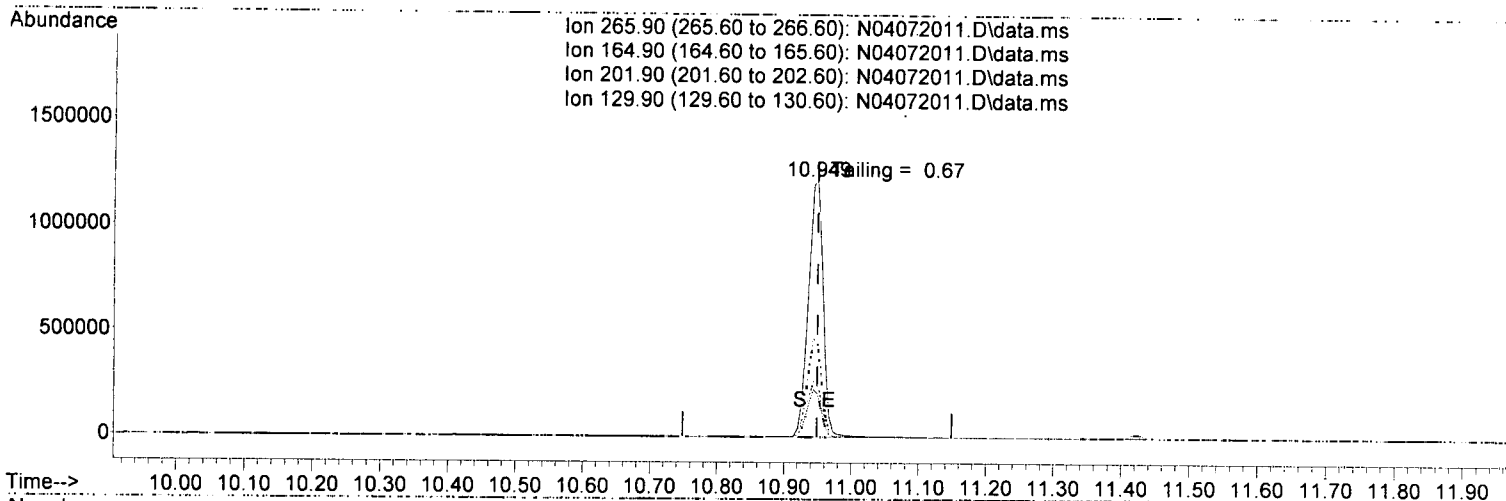
AutoFind: Scans 1222, 1223, 1224; Background Corrected with Scan 1216

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	6083	PASS
69	69	100	100	100.0	365241	PASS
70	69	0.00	2	0.5	1854	PASS
197	198	0.00	2	0.5	6580	PASS
198	198	100	100	100.0	1198699	PASS
199	198	5	9	6.9	82376	PASS
365	198	1	100	4.3	51179	PASS
441	443	0.01	150	77.3	240704	PASS
442	198	0.10	200	130.5	1564779	PASS
443	442	15	24	19.9	311317	PASS

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(4) Pentachlorophenol

10.949min (0.000) 48.09 ug/mL

response 1845493

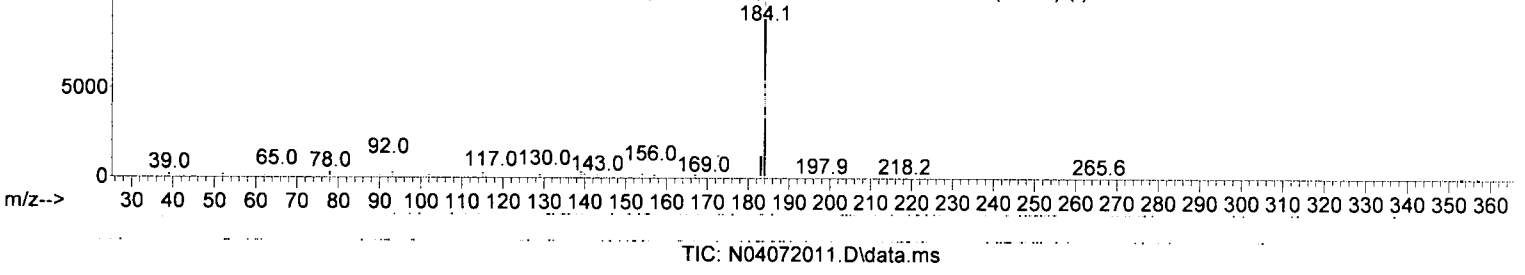
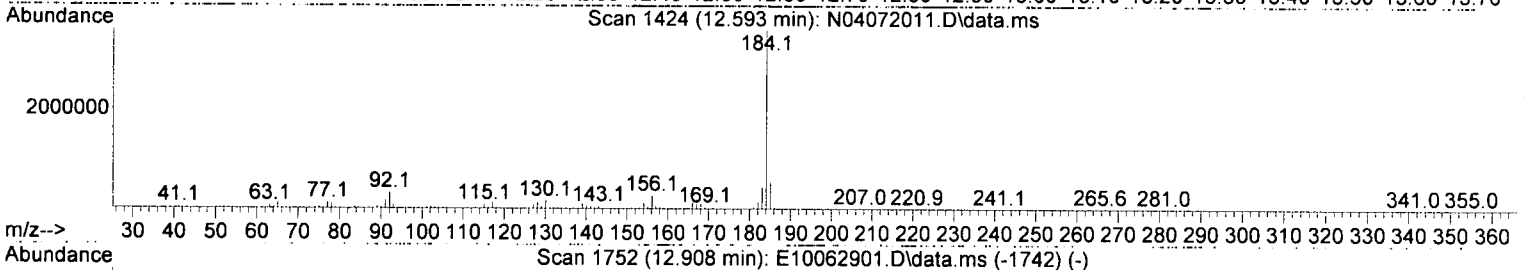
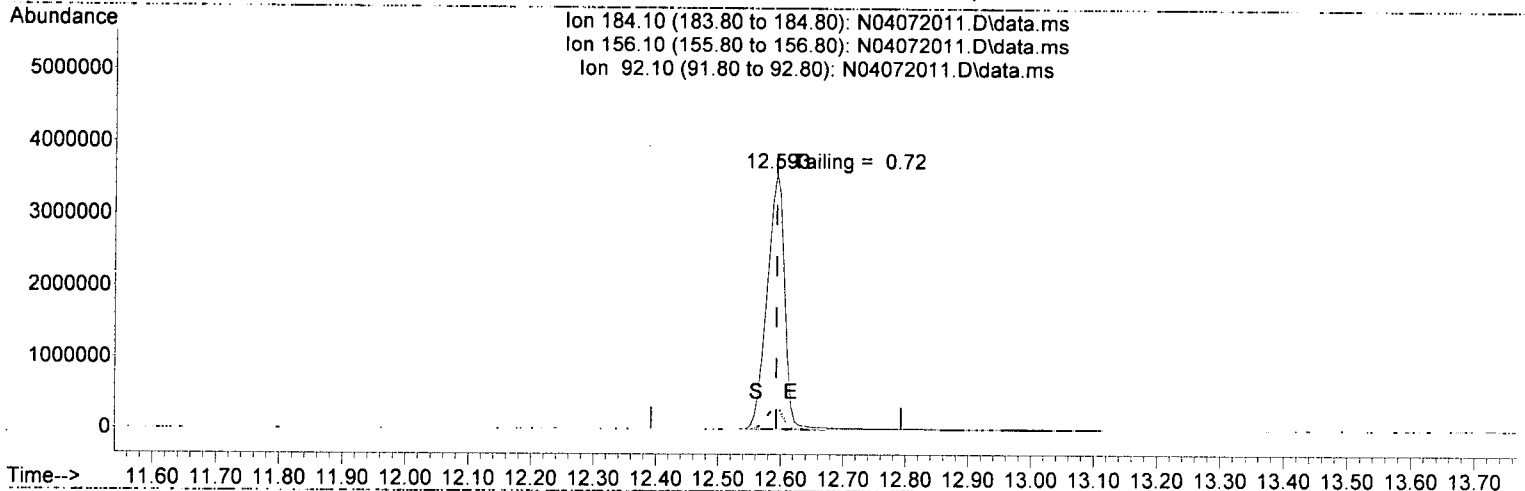
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	36.50
201.90	25.80	21.24
129.90	27.30	17.26

Handwritten signature and date: 4/8/20

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(7) Benzidine

12.593min (0.000) 26.02 ug/mL

response 7014847

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.22
92.10	8.20	8.66
0.00	0.00	0.00

Handwritten signature and date: 4/8/20

DDT Breakdown Check (Validated 5/1/2013)

From:
OD07056-TUN1
SV-GCMS14

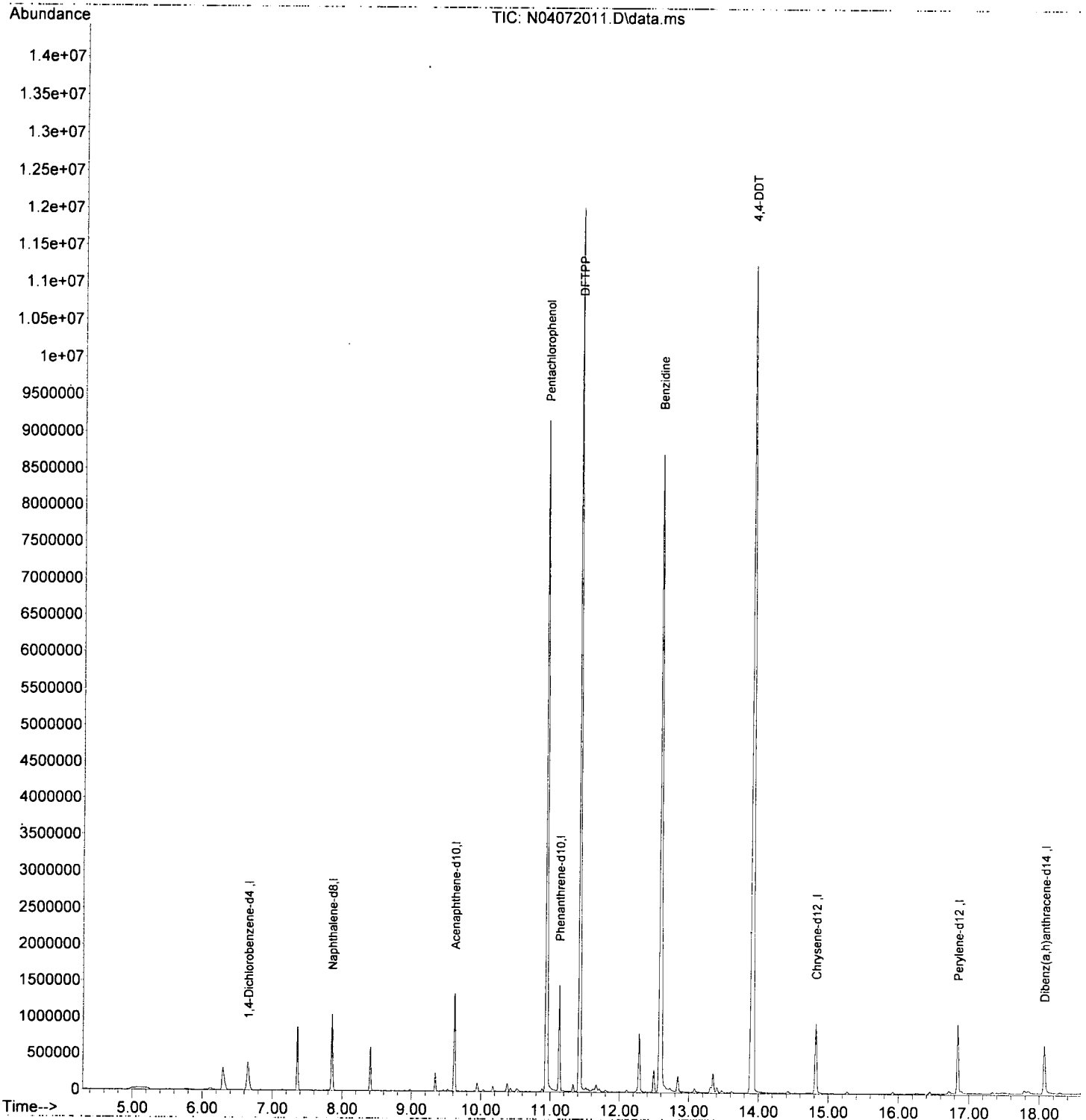
First Column Area Counts	Percent Breakdown
DDE 341628	
DDD 396978	
DDT 24135849	2.97 PASS

✓
JK 4/8/20

Breakdown must be less than 20% to accept sample data.

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072012.D
 Acq On : 07 Apr 2020 17:07
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICB1
 Misc : 1x, DCM+ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:04 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

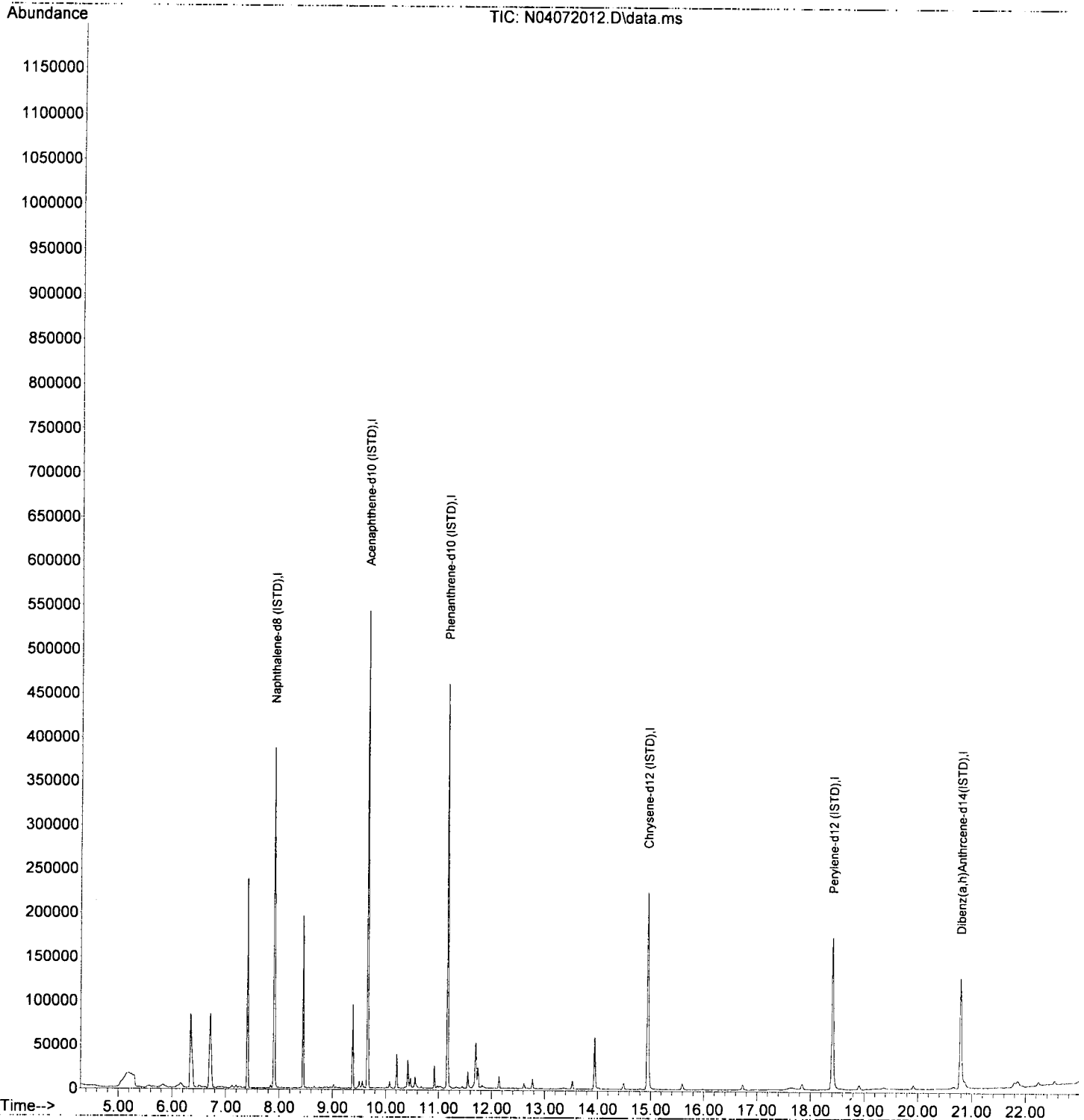
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	175674	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	149144	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.788	292	126750	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	178	0.29	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	248	0.09	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	284	0.17	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.936	128	452	N.D.		
5) 2-Methylnaphthalene	8.612	142	80	N.D.		
6) 1-Methylnaphthalene	0.000		0	N.D.		
7) 1,1'-Biphenyl	9.078	154	289	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.521	152	86	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.865	168	94	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	51	N.D.		
15) Fluorene	10.215	166	103	N.D.		
17) Dibenzothiopene	11.066	184	278	N.D.		
18) Phenanthrene	11.188	178	313	N.D.		
19) Anthracene	11.188	178	300	N.D.		
20) Carbazole	11.398	167	106	N.D.		
21) 1-Methylphenanthrene	11.818	192	50	N.D.		
22) Fluoranthene	12.459	202	59	N.D.		
24) Pyrene	12.750	202	69	N.D.		
26) Benz(a)anthracene	14.942	228	504	N.D.		
27) Chrysene	14.994	228	96	N.D.		
29) Benzo(b)fluoranthene	0.000		0	N.D.		
30) Benzo(k)fluoranthene	0.000		0	N.D.		
31) Benzo(b+k)fluoranthene	0.000		0	N.D.		
32) Benzo(e)pyrene	18.410	252	471	N.D.		
33) Benzo(a)pyrene	0.000		0	N.D.		
34) Perylene	18.474	252	71	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.788	276	97	N.D.		
37) Dibenz(a,h)anthracene	0.000		0	N.D.		
38) Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072012.D
Acq On : 07 Apr 2020 17:07
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICB1
Misc : 1x, DCM+ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:04 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072012.D
 Acq On : 07 Apr 2020 17:07
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICB1
 Misc : 1x, DCM+ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Apr 08 10:25:50 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

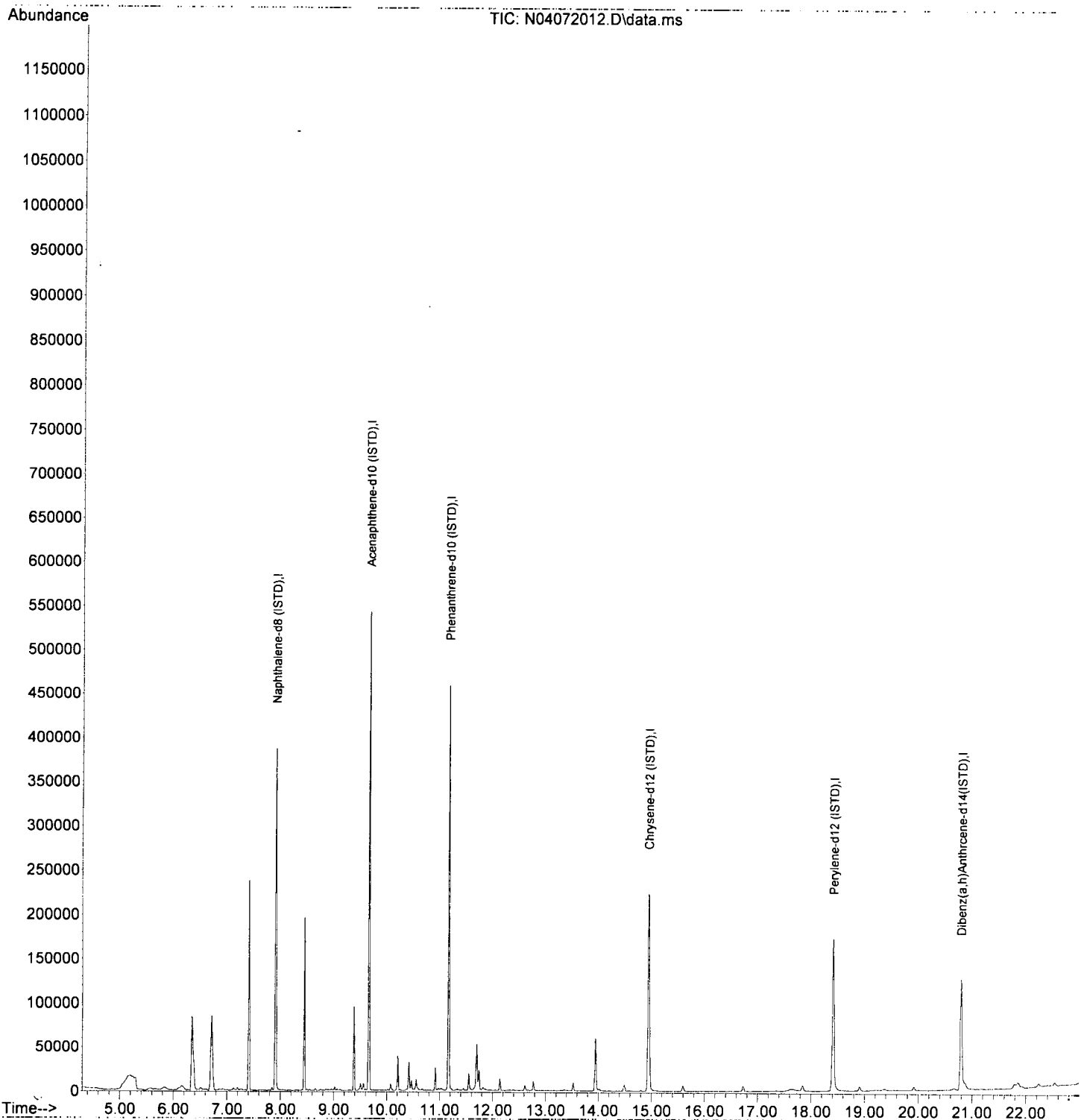
AD 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.942	240	175674	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	149144	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	126750	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	178	0.20	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	248	0.10	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	284	0.17	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.936	128	452		N.D.		
5) 2-Methylnaphthalene	8.612	142	80		N.D.		
6) 1-Methylnaphthalene	0.000		0		N.D.		
7) 1,1'-Biphenyl	9.078	154	289		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
11) Acenaphthylene	9.521	152	86		N.D.		
12) Acenaphthene	0.000		0		N.D.		
13) Dibenzofuran	9.865	168	94		N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	51		N.D.		
15) Fluorene	10.215	166	103		N.D.		
17) Dibenzothiopene	11.066	184	278		N.D.		
18) Phenanthrene	11.188	178	313		N.D.		
19) Anthracene	11.188	178	300		N.D.		
20) Carbazole	11.398	167	106		N.D.		
21) 1-Methylphenanthrene	11.818	192	50		N.D.		
22) Fluoranthene	12.459	202	59		N.D.		
24) Pyrene	12.750	202	69		N.D.		
26) Benz(a)anthracene	14.942	228	504		N.D.		
27) Chrysene	14.994	228	96		N.D.		
29) Benzo(b)fluoranthene	0.000		0		N.D.		
30) Benzo(k)fluoranthene	0.000		0		N.D.		
31) Benzo(b+k)fluoranthene	0.000		0		N.D.		
32) Benzo(e)pyrene	18.410	252	471		N.D.		
33) Benzo(a)pyrene	0.000		0		N.D.		
34) Perylene	18.474	252	71		N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.788	276	97		N.D.		
37) Dibenz(a,h)anthracene	0.000		0		N.D.		
38) Benzo(g,h,i)perylene	0.000		0		N.D.		

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

Data Path : N:\data\2020-04\0D07056\
Data File : N04072012.D
Acq On : 07 Apr 2020 17:07
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICB1
Misc : 1x, DCM+ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:50 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 10:01:43 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\
 Data File : N04072013.D
 Acq On : 07 Apr 2020 17:38
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL1
 Misc : 1x, A20C467@1PPB
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:13 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

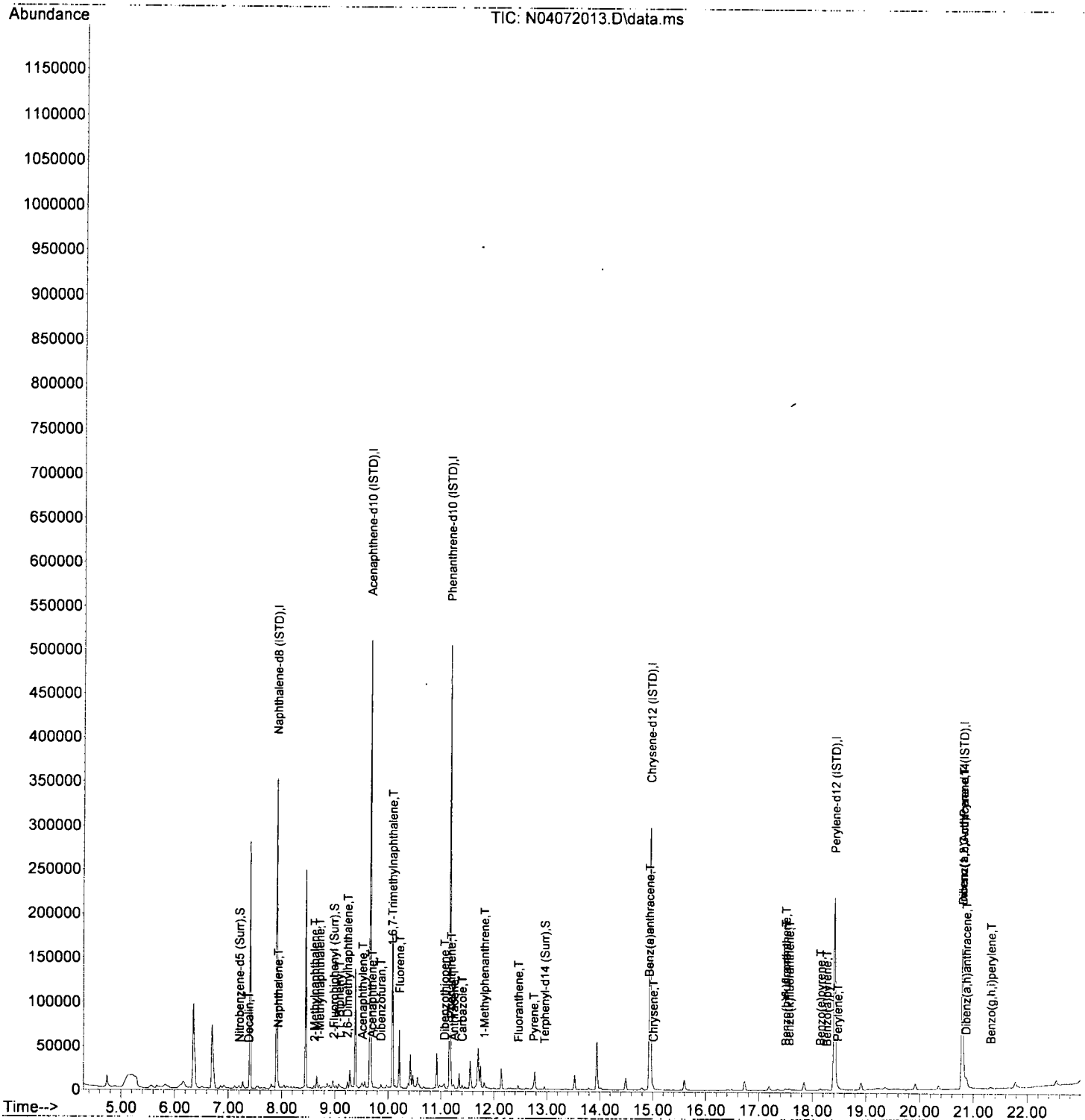
JK 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	243074	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	149679	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	271576	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	224745	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	189170	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	160677	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	840	1.54	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	2174	0.85	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	2235	1.05	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	130	0.74	ng/ml		85
4) Naphthalene	7.930	128	2892	1.10	ng/ml		97
5) 2-Methylnaphthalene	8.612	142	1659	0.99	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	1756	1.10	ng/ml		94
7) 1,1'-Biphenyl	9.078	154	2427	1.13	ng/ml		93
8) 2,6-Dimethylnaphthalene	9.235	156	1477	1.10	ng/ml		95
11) Acenaphthylene	9.515	152	2466	0.95	ng/ml		96
12) Acenaphthene	9.696	153	2085	1.07	ng/ml		97
13) Dibenzofuran	9.865	168	2370	0.85	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	1667	1.01	ng/ml		71
15) Fluorene	10.215	166	2108	1.11	ng/ml		94
17) Dibenzothiopene	11.060	184	2936	1.07	ng/ml		96
18) Phenanthrene	11.188	178	3463	1.12	ng/ml		98
19) Anthracene	11.240	178	2627	1.03	ng/ml		95
20) Carbazole	11.398	167	2085	0.98	ng/ml		95
21) 1-Methylphenanthrene	11.817	192	1983	0.99	ng/ml		94
22) Fluoranthene	12.459	202	2793	0.97	ng/ml		100
24) Pyrene	12.750	202	2915	1.07	ng/ml		96
26) Benz(a)anthracene	14.924	228	2758	1.22	ng/ml		95
27) Chrysene	15.006	228	2483	1.04	ng/ml		99
29) Benzo(b)fluoranthene	17.500	252	1958	1.00	ng/ml		94
30) Benzo(k)fluoranthene	17.564	252	1851	0.93	ng/ml		88
31) Benzo(b+k)fluoranthene	17.500	252	3809	1.84	ng/ml		92
32) Benzo(e)pyrene	18.147	252	1806	0.90	ng/ml		96
33) Benzo(a)pyrene	18.264	252	1158	1.01	ng/ml		93
34) Perylene	18.468	252	1518	0.72	ng/ml		96
36) Indeno(1,2,3-cd)Pyrene	20.788	276	1652	0.93	ng/ml		83
37) Dibenz(a,h)anthracene	20.858	278	1657	0.88	ng/ml		81
38) Benzo(g,h,i)perylene	21.318	276	1550	0.81	ng/ml		78

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072013.D
 Acq On : 07 Apr 2020 17:38
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL1
 Misc : 1x, A20C467@1PPB
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:13 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\
 Data File : N04072014.D
 Acq On : 07 Apr 2020 18:10
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL2
 Misc : 1x, A20C468@2PPB
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:17 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

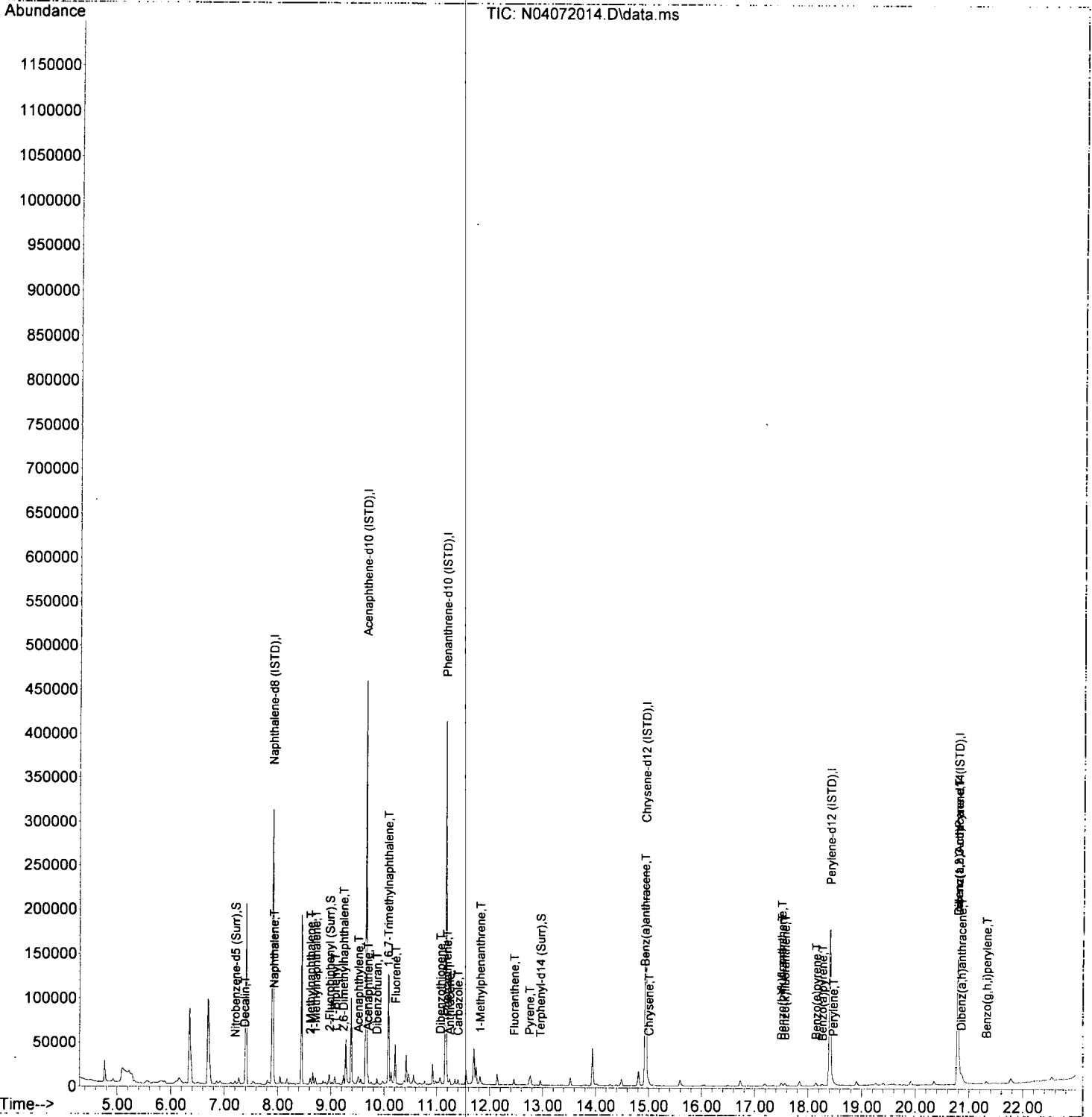
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	243705	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	135566	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	223200	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.942	240	187464	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	158010	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	141496	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	1542	2.82	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	4191	1.81	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	3444	1.94	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	340	1.93	ng/ml		94
4) Naphthalene	7.924	128	5600	2.13	ng/ml		97
5) 2-Methylnaphthalene	8.612	142	3410	2.04	ng/ml		96
6) 1-Methylnaphthalene	8.711	142	3462	2.16	ng/ml		95
7) 1,1'-Biphenyl	9.078	154	4239	1.96	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.235	156	2853	2.11	ng/ml		97
11) Acenaphthylene	9.515	152	4668	1.98	ng/ml		99
12) Acenaphthene	9.696	153	3799	2.14	ng/ml		97
13) Dibenzofuran	9.865	168	4370	1.72	ng/ml		94
14) 1,6,7-Trimethylnaphtha...	10.075	170	2754	1.85	ng/ml		82
15) Fluorene	10.215	166	3434	2.00	ng/ml		96
17) Dibenzothiopene	11.060	184	4432	1.97	ng/ml		96
18) Phenanthrene	11.188	178	5324	2.10	ng/ml		99
19) Anthracene	11.240	178	3785	1.81	ng/ml		98
20) Carbazole	11.398	167	3308	1.90	ng/ml		96
21) 1-Methylphenanthrene	11.817	192	3257	1.97	ng/ml		99
22) Fluoranthene	12.459	202	4694	1.97	ng/ml		97
24) Pyrene	12.750	202	4749	2.10	ng/ml		99
26) Benz(a)anthracene	14.924	228	4134	2.18	ng/ml		95
27) Chrysene	15.000	228	4350	2.18	ng/ml		99
29) Benzo(b)fluoranthene	17.500	252	3031	1.86	ng/ml		95
30) Benzo(k)fluoranthene	17.564	252	2864	1.71	ng/ml		91
31) Benzo(b+k)fluoranthene	17.500	252	6349	3.66	ng/ml		93
32) Benzo(e)pyrene	18.147	252	3379	2.01	ng/ml		92
33) Benzo(a)pyrene	18.264	252	2009	1.85	ng/ml		98
34) Perylene	18.468	252	2648	1.49	ng/ml		98
36) Indeno(1,2,3-cd)Pyrene	20.788	276	2847	1.81	ng/ml		95
37) Dibenz(a,h)anthracene	20.852	278	2764	1.66	ng/ml		84
38) Benzo(g,h,i)perylene	21.318	276	2738	1.62	ng/ml		80

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072014.D
 Acq On : 07 Apr 2020 18:10
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL2
 Misc : 1x, A20C468@2PPB
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:17 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072015.D
 Acq On : 07 Apr 2020 18:42
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL3
 Misc : 1x, A20C469@5PPB
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:21 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

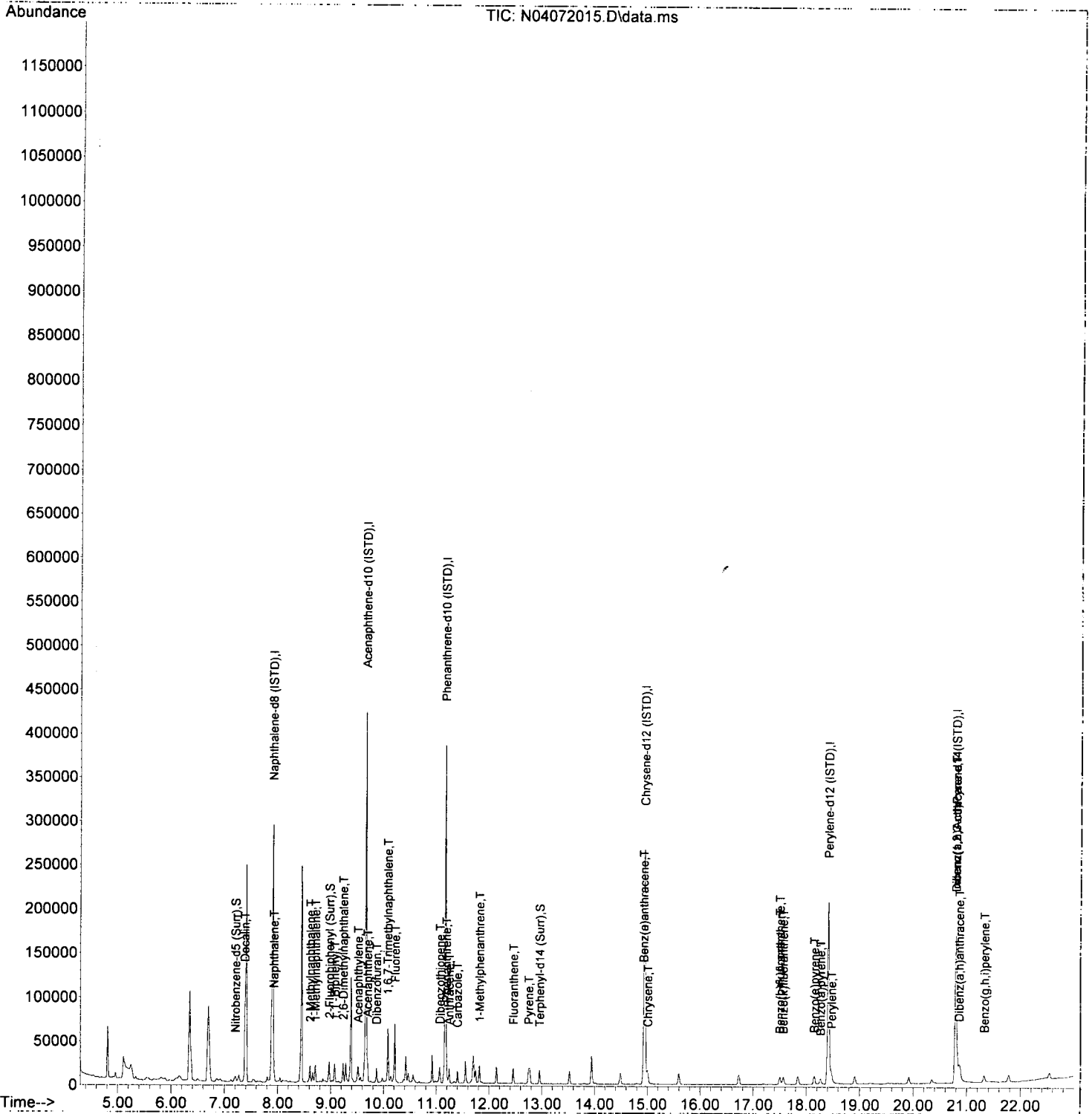
9/2 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	254846	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	131499	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	216520	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	206205	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	181653	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	160102	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	4141	7.25	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	10979	4.88	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	9709	4.96	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	1190	6.44	ng/ml		96
4) Naphthalene	7.924	128	14431	5.25	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	9092	5.20	ng/ml		96
6) 1-Methylnaphthalene	8.711	142	8964	5.36	ng/ml		95
7) 1,1'-Biphenyl	9.072	154	10903	4.83	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.235	156	7289	5.16	ng/ml		98
11) Acenaphthylene	9.515	152	11532	5.05	ng/ml		97
12) Acenaphthene	9.696	153	9358	5.45	ng/ml		99
13) Dibenzofuran	9.865	168	10882	4.42	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	6797	4.71	ng/ml		100
15) Fluorene	10.215	166	8294	4.97	ng/ml		98
17) Dibenzothiopene	11.066	184	10769	4.94	ng/ml		96
18) Phenanthrene	11.188	178	13195	5.37	ng/ml		98
19) Anthracene	11.240	178	9521	4.68	ng/ml		99
20) Carbazole	11.398	167	8731	5.17	ng/ml		97
21) 1-Methylphenanthrene	11.817	192	8102	5.06	ng/ml		98
22) Fluoranthene	12.459	202	11760	5.10	ng/ml		96
24) Pyrene	12.750	202	12228	4.91	ng/ml		99
26) Benz(a)anthracene	14.924	228	10093	4.85	ng/ml		98
27) Chrysene	15.006	228	11149	5.09	ng/ml		97
29) Benzo(b)fluoranthene	17.500	252	8620	4.59	ng/ml		92
30) Benzo(k)fluoranthene	17.564	252	8275	4.31	ng/ml		93
31) Benzo(b+k)fluoranthene	17.500	252	18526	9.30	ng/ml		90
32) Benzo(e)pyrene	18.147	252	9139	4.73	ng/ml		97
33) Benzo(a)pyrene	18.264	252	5994	4.43	ng/ml		94
34) Perylene	18.468	252	8831	4.33	ng/ml		97
36) Indeno(1,2,3-cd)Pyrene	20.788	276	8244	4.64	ng/ml		86
37) Dibenz(a,h)anthracene	20.852	278	8753	4.64	ng/ml		85
38) Benzo(g,h,i)perylene	21.324	276	8418	4.41	ng/ml		84

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072015.D
 Acq On : 07 Apr 2020 18:42
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL3
 Misc : 1x, A20C469@5PPB
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:21 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072016.D
 Acq On : 07 Apr 2020 19:28
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL4
 Misc : 1x, A20C470@10PPB
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:25 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

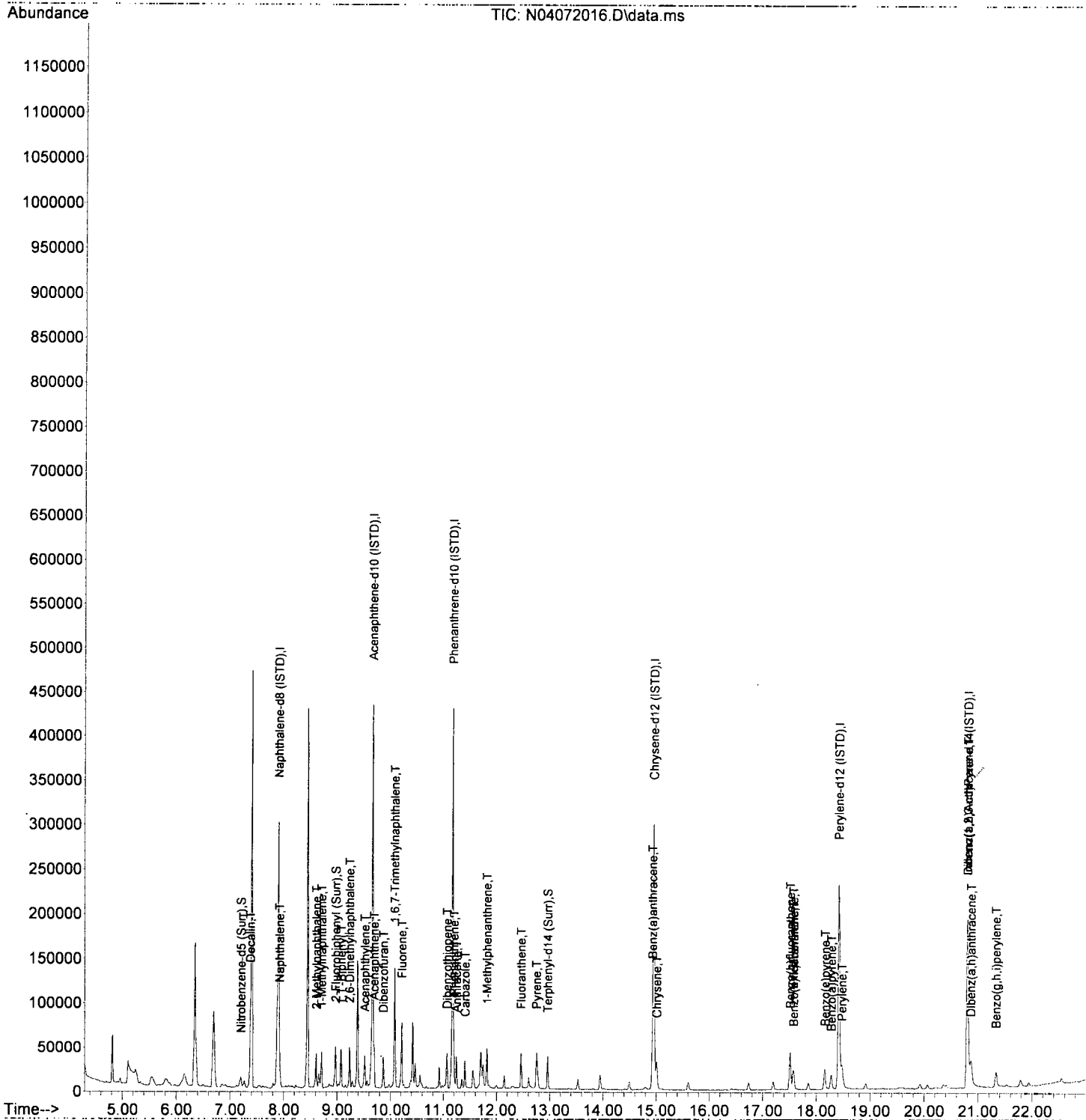
Handwritten: Jd 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.907	136	270985	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	140702	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.171	188	243789	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	224123	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.416	264	205793	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.799	292	175208	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	7904	13.02	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	22576	9.39	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	22061	10.37	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	2225	11.33	ng/ml		85
4) Naphthalene	7.924	128	29903	10.23	ng/ml		99
5) 2-Methylnaphthalene	8.612	142	19067	10.25	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	19186	10.78	ng/ml		95
7) 1,1'-Biphenyl	9.078	154	24176	10.07	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.235	156	15846	10.55	ng/ml		95
11) Acenaphthylene	9.521	152	25120	10.28	ng/ml		97
12) Acenaphthene	9.696	153	19684	10.71	ng/ml		98
13) Dibenzofuran	9.871	168	23912	9.08	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.081	170	14575	9.44	ng/ml		98
15) Fluorene	10.215	166	18241	10.21	ng/ml		98
17) Dibenzothiopene	11.066	184	24599	10.03	ng/ml		95
18) Phenanthrene	11.194	178	28266	10.22	ng/ml		100
19) Anthracene	11.246	178	22111	9.66	ng/ml		100
20) Carbazole	11.404	167	20204	10.62	ng/ml		98
21) 1-Methylphenanthrene	11.818	192	18661	10.35	ng/ml		97
22) Fluoranthene	12.459	202	27227	10.48	ng/ml		96
24) Pyrene	12.750	202	28915	10.69	ng/ml		98
26) Benz(a)anthracene	14.930	228	21888	9.67	ng/ml		98
27) Chrysene	15.012	228	23333	9.79	ng/ml		100
29) Benzo(b)fluoranthene	17.512	252	20389	9.58	ng/ml		92
30) Benzo(k)fluoranthene	17.576	252	20616	9.48	ng/ml		92
31) Benzo(b+k)fluoranthene	17.576	252	44218	19.60	ng/ml		92
32) Benzo(e)pyrene	18.159	252	21685	9.91	ng/ml		98
33) Benzo(a)pyrene	18.276	252	15453	9.75	ng/ml		96
34) Perylene	18.474	252	22348	9.68	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.799	276	18462	9.49	ng/ml		83
37) Dibenz(a,h)anthracene	20.864	278	18337	8.89	ng/ml		85
38) Benzo(g,h,i)perylene	21.330	276	18938	9.07	ng/ml		84

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072016.D
 Acq On : 07 Apr 2020 19:28
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL4
 Misc : 1x, A20C470@10PPB
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:25 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072017.D
 Acq On : 07 Apr 2020 20:00
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL5
 Misc : 1x, A20C471@20PPB
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:30 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

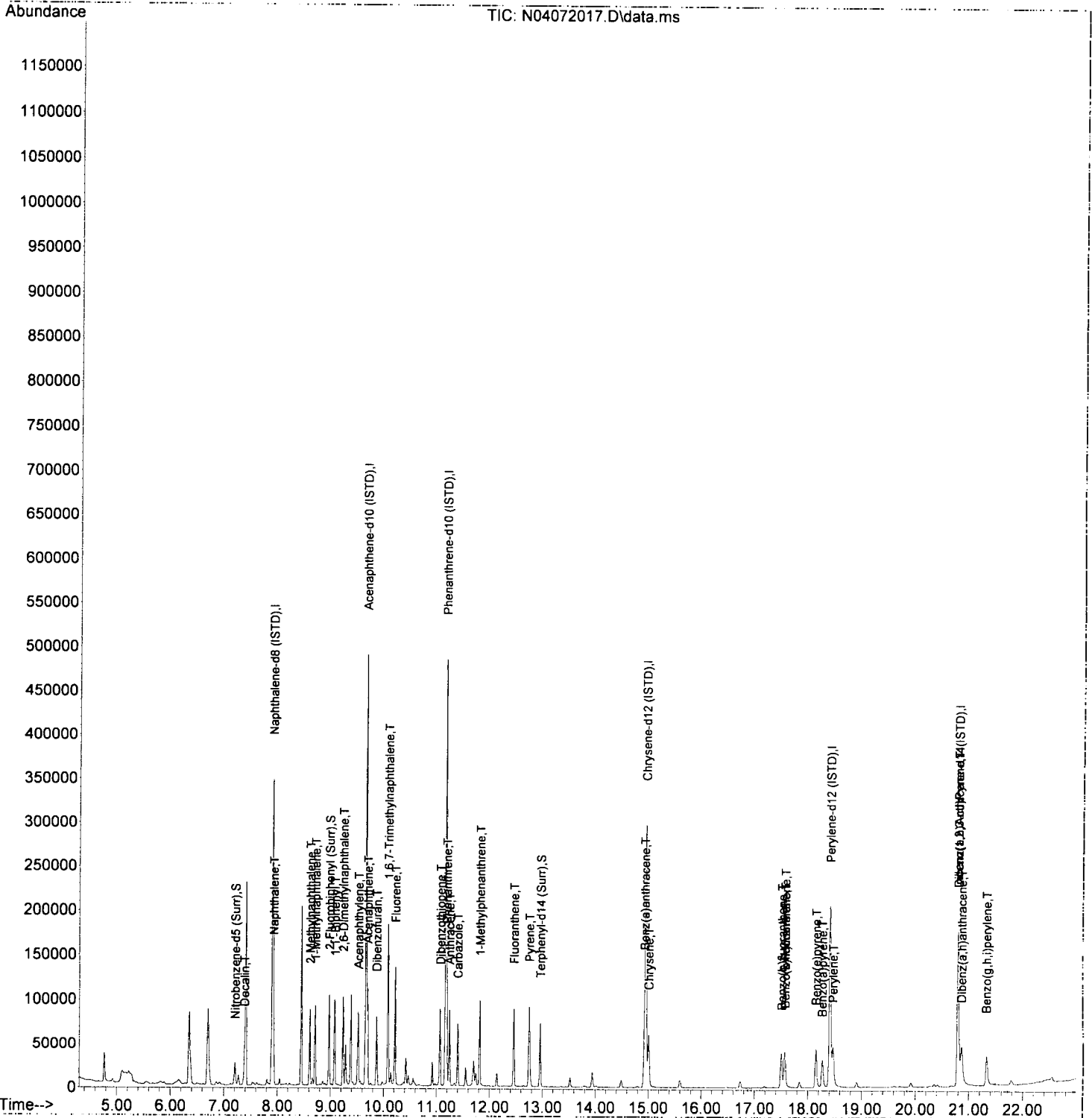
9/27/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	258751	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	148424	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	266029	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	214808	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	187485	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.794	292	149877	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	15766	27.20	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	46527	18.34	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	43811	21.48	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	3947	21.05	ng/ml		88
4) Naphthalene	7.924	128	57019	20.43	ng/ml		99
5) 2-Methylnaphthalene	8.612	142	37992	21.38	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	38641	22.75	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	49046	21.39	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	33645	23.45	ng/ml		95
11) Acenaphthylene	9.521	152	55074	21.36	ng/ml		99
12) Acenaphthene	9.696	153	41060	21.17	ng/ml		99
13) Dibenzofuran	9.865	168	50939	18.34	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.081	170	33116	20.32	ng/ml		97
15) Fluorene	10.215	166	39965	21.21	ng/ml		99
17) Dibenzothiopene	11.066	184	54876	20.51	ng/ml		95
18) Phenanthrene	11.188	178	61279	20.30	ng/ml		100
19) Anthracene	11.240	178	51771	20.73	ng/ml		100
20) Carbazole	11.398	167	44104	21.24	ng/ml		99
21) 1-Methylphenanthrene	11.817	192	41436	21.06	ng/ml		100
22) Fluoranthene	12.459	202	58425	20.61	ng/ml		96
24) Pyrene	12.750	202	61609	23.77	ng/ml		99
26) Benz(a)anthracene	14.924	228	41414	19.09	ng/ml		100
27) Chrysene	15.006	228	46060	20.17	ng/ml		99
29) Benzo(b)fluoranthene	17.506	252	37506	19.35	ng/ml		94
30) Benzo(k)fluoranthene	17.570	252	38178	19.27	ng/ml		93
31) Benzo(b+k)fluoranthene	17.570	252	81846	39.81	ng/ml		93
32) Benzo(e)pyrene	18.153	252	41095	20.61	ng/ml		98
33) Benzo(a)pyrene	18.270	252	29191	19.83	ng/ml		96
34) Perylene	18.468	252	41934	19.94	ng/ml		98
36) Indeno(1,2,3-cd)Pyrene	20.794	276	32482	19.53	ng/ml		81
37) Dibenz(a,h)anthracene	20.858	278	32488	18.41	ng/ml		85
38) Benzo(g,h,i)perylene	21.324	276	34943	19.56	ng/ml		81

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072017.D
 Acq On : 07 Apr 2020 20:00
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL5
 Misc : 1x, A20C471@20PPB
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:30 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072018.D
 Acq On : 07 Apr 2020 20:32
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL6
 Misc : 1x, A20C472@50PPB
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:35 2020
 Quant Method : N:\methods\SV14_040720_PAH.M.
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

Qd 4/8/20

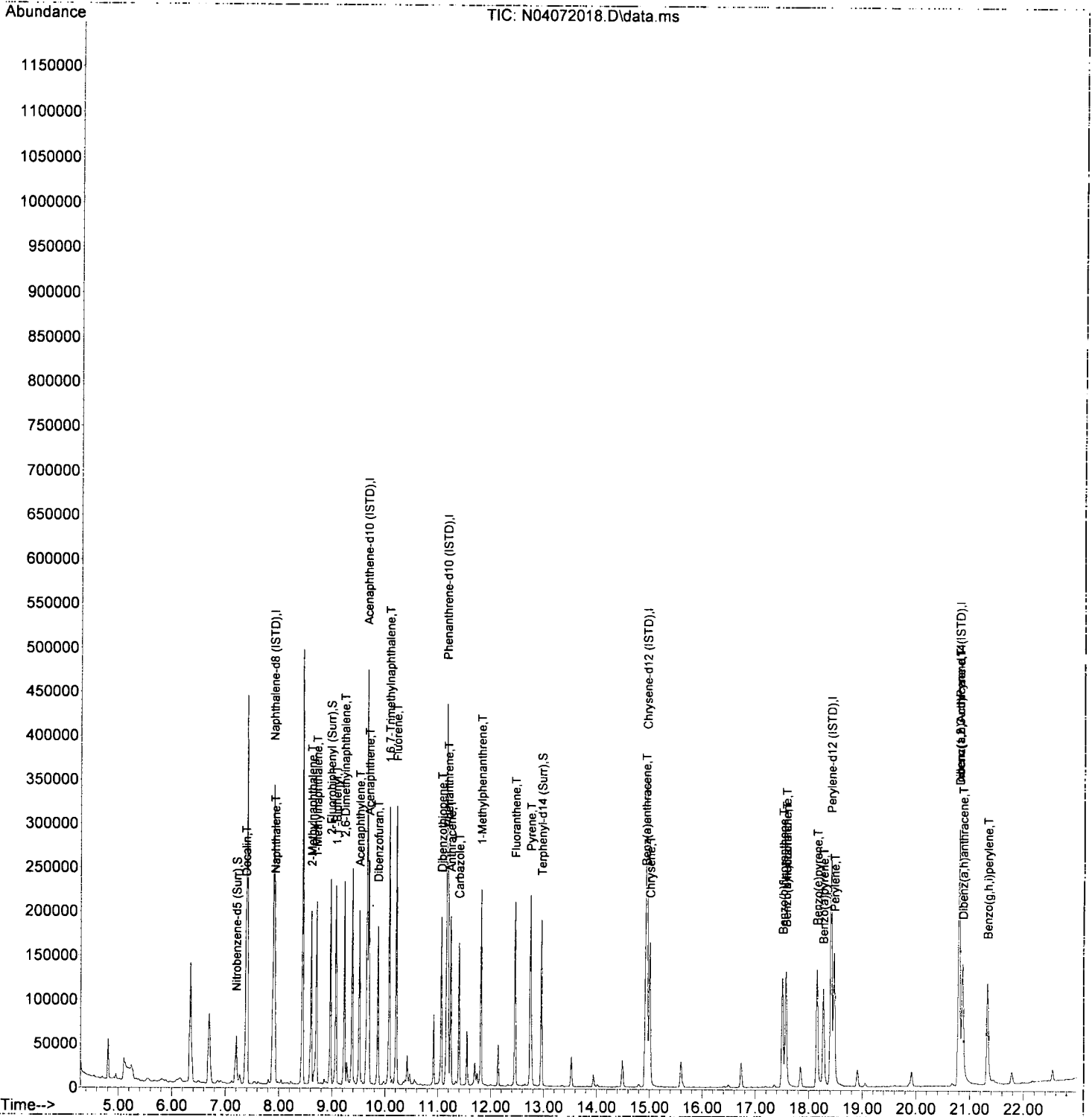
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	265079	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	146492	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	242013	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	238949	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	233103	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.794	292	190743	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	40026	67.41	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	113161	45.19	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	115369	50.86	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	9951	51.81	ng/ml		86
4) Naphthalene	7.924	128	140541	49.16	ng/ml		99
5) 2-Methylnaphthalene	8.612	142	97673	53.66	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	97197	55.85	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	121079	51.55	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	83485	56.81	ng/ml		96
11) Acenaphthylene	9.515	152	141318	55.54	ng/ml		99
12) Acenaphthene	9.696	153	100491	52.49	ng/ml		99
13) Dibenzofuran	9.865	168	120846	44.07	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	10.080	170	77695	48.31	ng/ml		97
15) Fluorene	10.215	166	94350	50.73	ng/ml		98
17) Dibenzothiopene	11.066	184	124022	50.95	ng/ml		94
18) Phenanthrene	11.188	178	137147	49.93	ng/ml		99
19) Anthracene	11.240	178	115187	50.70	ng/ml		99
20) Carbazole	11.398	167	103743	54.92	ng/ml		98
21) 1-Methylphenanthrene	11.817	192	96368	53.84	ng/ml		98
22) Fluoranthene	12.459	202	138576	53.73	ng/ml		97
24) Pyrene	12.750	202	148125	51.37	ng/ml		99
26) Benz(a)anthracene	14.924	228	118477	49.10	ng/ml		99
27) Chrysene	15.006	228	126277	49.72	ng/ml		99
29) Benzo(b)fluoranthene	17.506	252	116347	48.29	ng/ml		94
30) Benzo(k)fluoranthene	17.570	252	120385	48.86	ng/ml		93
31) Benzo(b+k)fluoranthene	17.570	252	249964	97.80	ng/ml		93
32) Benzo(e)pyrene	18.153	252	121997	49.20	ng/ml		98
33) Benzo(a)pyrene	18.270	252	102540	54.26	ng/ml		96
34) Perylene	18.474	252	140321	53.68	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.794	276	102100	48.23	ng/ml		80
37) Dibenz(a,h)anthracene	20.858	278	104317	46.46	ng/ml		84
38) Benzo(g,h,i)perylene	21.324	276	113428	49.88	ng/ml		83

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072018.D
 Acq On : 07 Apr 2020 20:32
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL6
 Misc : 1x, A20C472@50PPB
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:35 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072019.D
 Acq On : 07 Apr 2020 21:04
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL7
 Misc : 1x, A20C473@100PPB
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:39 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

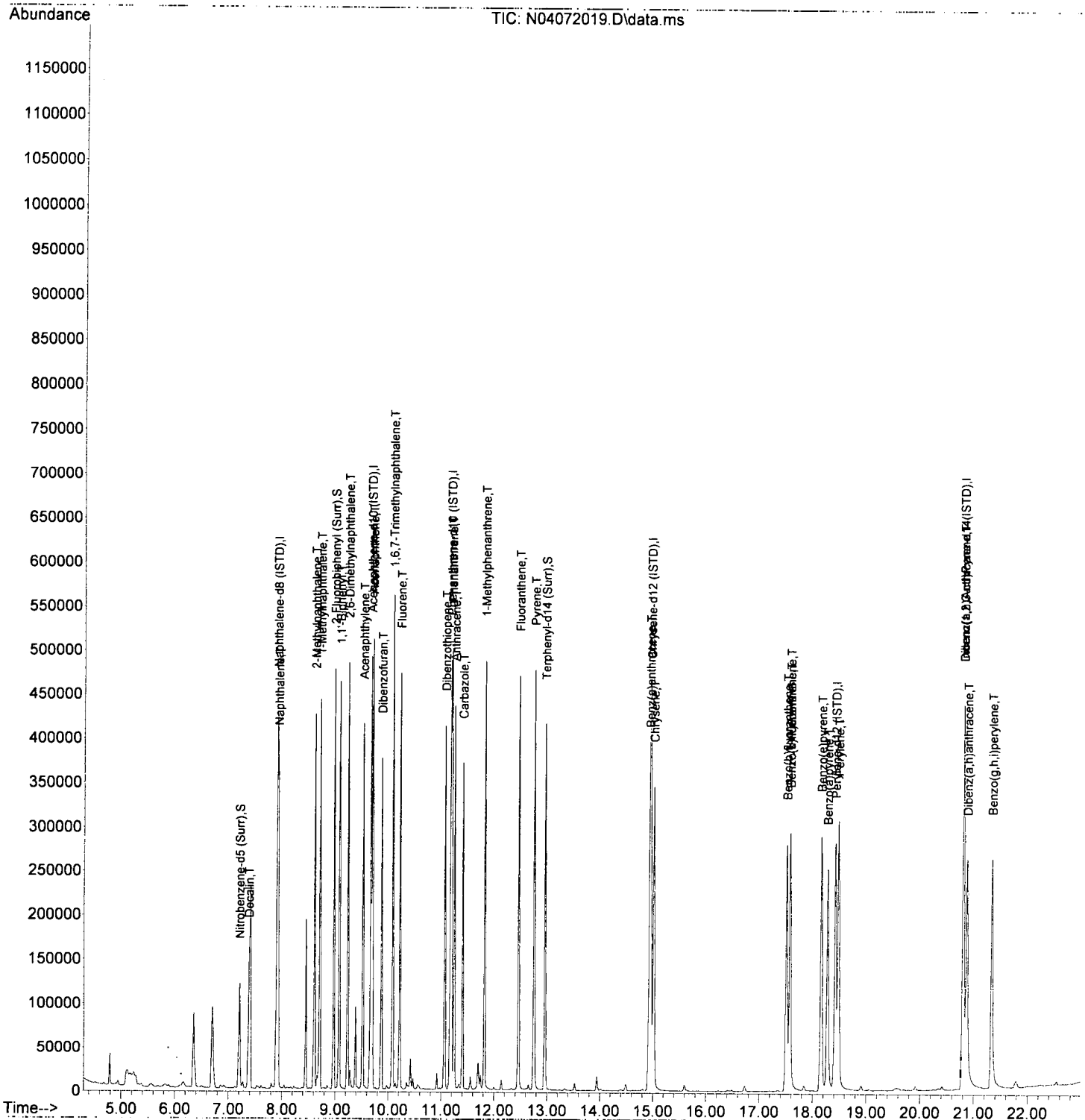
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	270936	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	147420	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	265984	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	263757	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.415	264	248613	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.794	292	201252	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	80657	132.90	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	225961	89.66	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	247933	99.02	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	20917	106.56	ng/ml		88
4) Naphthalene	7.924	128	278907	95.46	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	195774	105.24	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	191985	107.92	ng/ml		96
7) 1,1'-Biphenyl	9.078	154	238654	99.42	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	170143	113.27	ng/ml		97
11) Acenaphthylene	9.515	152	287167	112.15	ng/ml		100
12) Acenaphthene	9.696	153	199310	103.46	ng/ml		100
13) Dibenzofuran	9.865	168	244430	88.59	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	160492	99.16	ng/ml		98
15) Fluorene	10.215	166	191718	102.43	ng/ml		99
17) Dibenzothiopene	11.066	184	259859	97.13	ng/ml		94
18) Phenanthrene	11.188	178	288254	95.49	ng/ml		100
19) Anthracene	11.240	178	257805	103.25	ng/ml		99
20) Carbazole	11.398	167	228806	110.20	ng/ml		99
21) 1-Methylphenanthrene	11.817	192	210395	106.94	ng/ml		99
22) Fluoranthene	12.459	202	308063	108.68	ng/ml		96
24) Pyrene	12.750	202	328255	103.12	ng/ml		99
26) Benz(a)anthracene	14.924	228	257406	96.63	ng/ml		100
27) Chrysene	15.006	228	272605	97.23	ng/ml		100
29) Benzo(b)fluoranthene	17.506	252	253202	98.53	ng/ml		93
30) Benzo(k)fluoranthene	17.570	252	270754	103.03	ng/ml		93
31) Benzo(b+k)fluoranthene	17.570	252	548680	201.28	ng/ml		93
32) Benzo(e)pyrene	18.153	252	267193	101.04	ng/ml		98
33) Benzo(a)pyrene	18.270	252	227825	108.62	ng/ml		97
34) Perylene	18.474	252	293633	105.31	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.794	276	215605	96.53	ng/ml		81
37) Dibenz(a,h)anthracene	20.863	278	220763	93.19	ng/ml		83
38) Benzo(g,h,i)perylene	21.330	276	246409	102.70	ng/ml		81

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072019.D
 Acq On : 07 Apr 2020 21:04
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL7
 Misc : 1x, A20C473@100PPB
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:39 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072020.D
 Acq On : 07 Apr 2020 21:36
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL8
 Misc : 1x, A20C474@200PPB
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:44 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

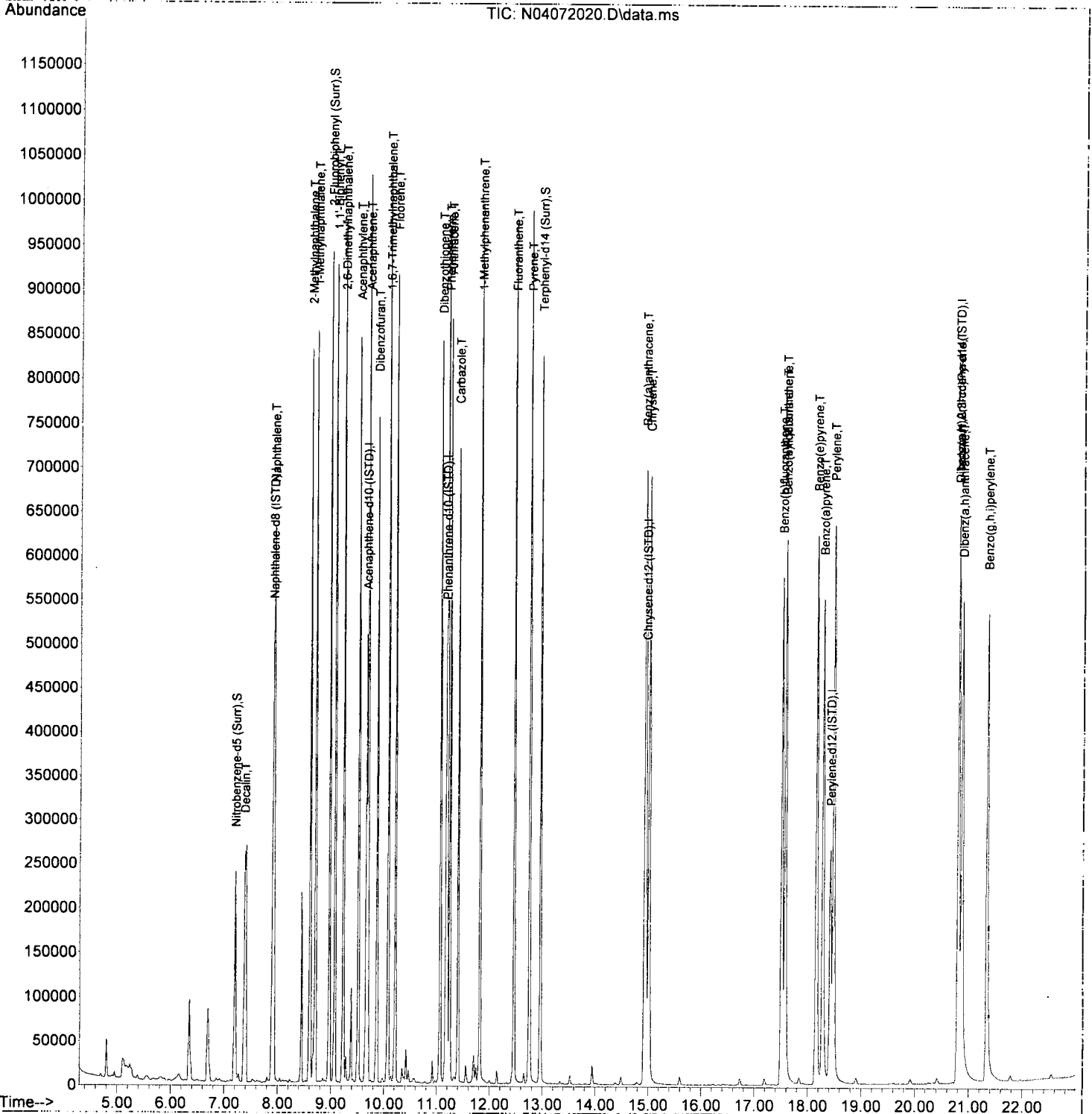
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	259002	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	149753	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	262815	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	256376	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.415	264	246957	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.793	292	201443	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	159557	275.03	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	456518	178.37	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	497857	204.56	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	39266	209.25	ng/ml		88
4) Naphthalene	7.924	128	543013	194.41	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	396823	223.13	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	381343	224.25	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	486099	211.83	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	349071	243.10	ng/ml		96
11) Acenaphthylene	9.521	152	596158	229.20	ng/ml		99
12) Acenaphthene	9.696	153	400273	204.93	ng/ml		99
13) Dibenzofuran	9.865	168	496566	177.16	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	10.080	170	326170	198.38	ng/ml		98
15) Fluorene	10.214	166	396773	208.68	ng/ml		98
17) Dibenzothiopene	11.065	184	533586	201.84	ng/ml		94
18) Phenanthrene	11.194	178	586910	196.76	ng/ml		100
19) Anthracene	11.240	178	524623	212.65	ng/ml		99
20) Carbazole	11.398	167	458445	223.47	ng/ml		98
21) 1-Methylphenanthrene	11.817	192	429423	220.91	ng/ml		99
22) Fluoranthene	12.458	202	643616	229.79	ng/ml		96
24) Pyrene	12.750	202	678143	219.17	ng/ml		100
26) Benz(a)anthracene	14.930	228	526616	203.39	ng/ml		100
27) Chrysene	15.011	228	537553	197.25	ng/ml		100
29) Benzo(b)fluoranthene	17.506	252	536283	210.08	ng/ml		93
30) Benzo(k)fluoranthene	17.576	252	553475	212.03	ng/ml		93
31) Benzo(b+k)fluoranthene	17.576	252	1132360	418.18	ng/ml		93
32) Benzo(e)pyrene	18.159	252	561080	213.59	ng/ml		98
33) Benzo(a)pyrene	18.275	252	480916	214.97	ng/ml		97
34) Perylene	18.479	252	593049	214.13	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.799	276	452810	202.54	ng/ml		80
37) Dibenz(a,h)anthracene	20.863	278	454575	191.70	ng/ml		84
38) Benzo(g,h,i)perylene	21.336	276	512635	213.45	ng/ml		82

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072020.D
 Acq On : 07 Apr 2020 21:36
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL8
 Misc : 1x, A20C474@200PPB
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:44 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\
 Data File : N04072021.D
 Acq On : 07 Apr 2020 22:08
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL9
 Misc : 1x, A20C475@400PPB
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:49 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

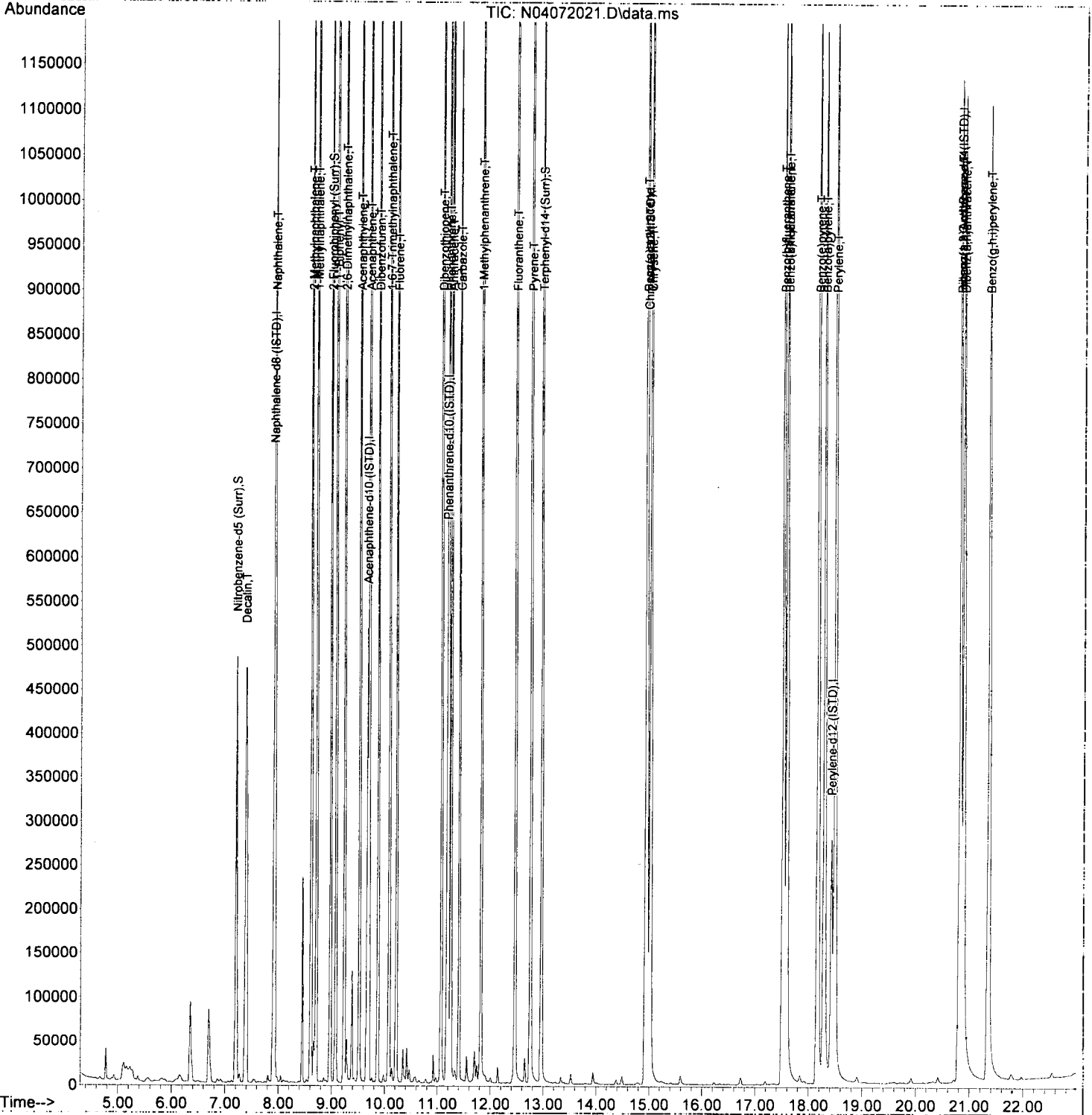
Jd 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	255231	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	154741	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.171	188	286145	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	283021	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.416	264	267480	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.805	292	206453	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	322003	563.23	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	957543	361.97	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	1096177	408.00	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	81440	440.41	ng/ml		87
4) Naphthalene	7.924	128	1070767	389.02	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	803600	458.54	ng/ml		98
6) 1-Methylnaphthalene	8.711	142	778825	464.76	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	1003410	443.73	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.235	156	726355	513.32	ng/ml		98
11) Acenaphthylene	9.521	152	1260795	469.09	ng/ml		99
12) Acenaphthene	9.696	153	824563	407.76	ng/ml		99
13) Dibenzofuran	9.871	168	1049059	362.21	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.081	170	693935	408.46	ng/ml		100
15) Fluorene	10.220	166	846234	430.71	ng/ml		98
17) Dibenzothiopene	11.066	184	1150026	399.56	ng/ml		95
18) Phenanthrene	11.194	178	1246717	383.88	ng/ml		100
19) Anthracene	11.246	178	1164250	433.45	ng/ml		99
20) Carbazole	11.404	167	979119	438.35	ng/ml		99
21) 1-Methylphenanthrene	11.817	192	947023	447.45	ng/ml		99
22) Fluoranthene	12.464	202	1439355	472.00	ng/ml		96
24) Pyrene	12.756	202	1513534	443.12	ng/ml		99
26) Benz(a)anthracene	14.936	228	1207333	422.40	ng/ml		99
27) Chrysene	15.017	228	1174861	390.53	ng/ml		100
29) Benzo(b)fluoranthene	17.518	252	1217211	440.24	ng/ml		93
30) Benzo(k)fluoranthene	17.588	252	1218167	430.86	ng/ml		93
31) Benzo(b+k)fluoranthene	17.588	252	2523866	860.55	ng/ml		93
32) Benzo(e)pyrene	18.171	252	1258723	442.41	ng/ml		98
33) Benzo(a)pyrene	18.287	252	1069564	395.70	ng/ml		96
34) Perylene	18.491	252	1303992	434.70	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.811	276	964615	421.00	ng/ml		80
37) Dibenz(a,h)anthracene	20.875	278	991281	407.89	ng/ml		83
38) Benzo(g,h,i)perylene	21.347	276	1102019	447.72	ng/ml		81

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072021.D
 Acq On : 07 Apr 2020 22:08
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL9
 Misc : 1x, A20C475@400PPB
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:49 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072022.D
 Acq On : 07 Apr 2020 22:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CALA
 Misc : 1x, A20C476@600PPB
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:53 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

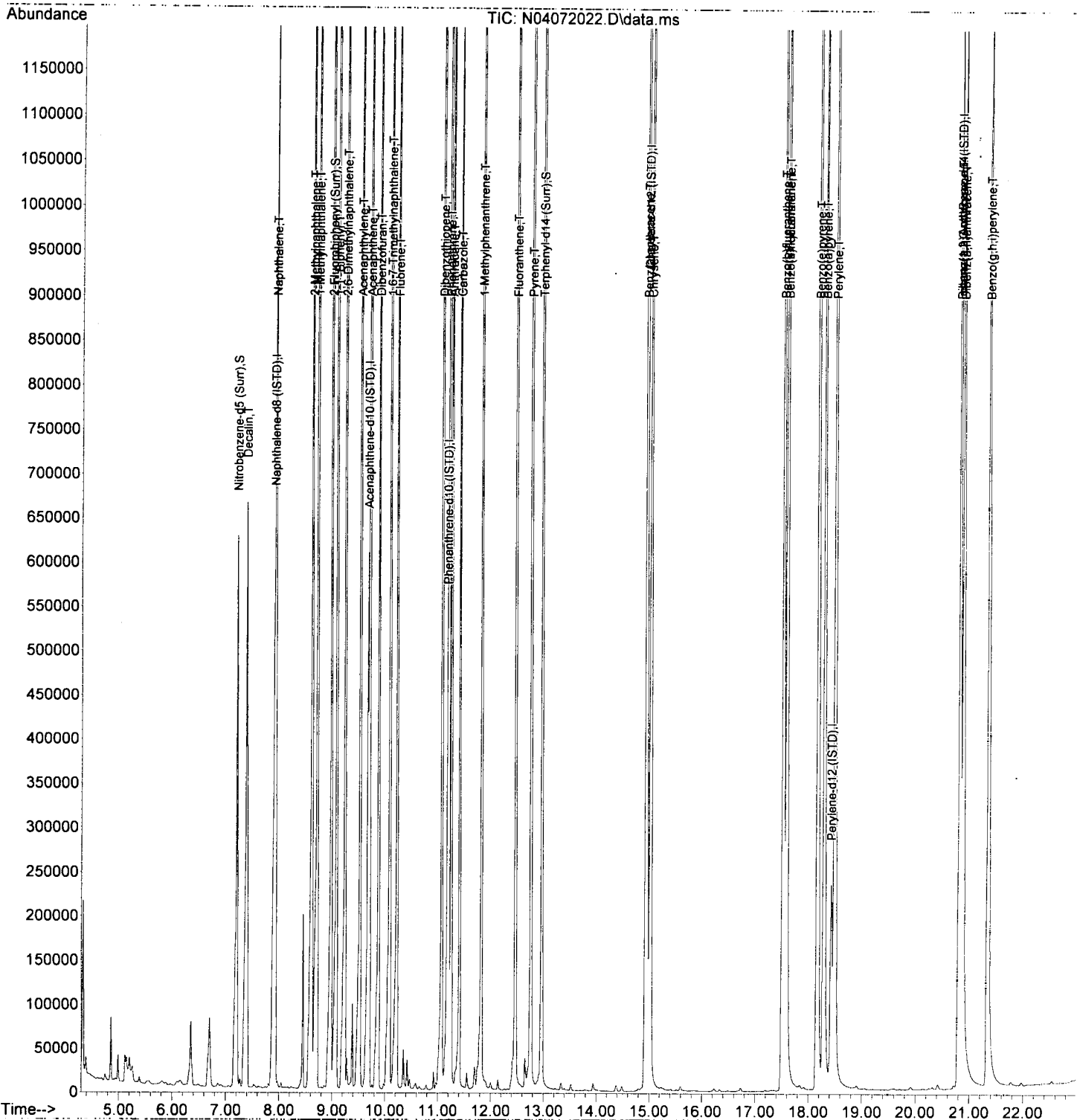
JK 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.907	136	237171	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	142544	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	254222	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	231029	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.421	264	221821	100.00	ng/ml	0.01	
35) Dibenz(a,h)Anthracene-d...	20.805	292	157020	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	451853	850.55	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	1276915	524.01	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	1328709	605.85	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	128416	747.82	ng/ml		88
4) Naphthalene	7.924	128	1463412	572.15	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	1091692	670.87	ng/ml		98
6) 1-Methylnaphthalene	8.711	142	1038153	666.58	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	1335421	635.52	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.236	156	968269	736.39	ng/ml		98
11) Acenaphthylene	9.521	152	1692015	683.40	ng/ml		99
12) Acenaphthene	9.696	153	1100304	590.67	ng/ml		99
13) Dibenzofuran	9.871	168	1394000	522.49	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	10.081	170	893285	570.79	ng/ml		99
15) Fluorene	10.221	166	1105549	610.85	ng/ml		99
17) Dibenzothiopene	11.066	184	1486980	581.50	ng/ml		95
18) Phenanthrene	11.194	178	1662195	576.08	ng/ml		100
19) Anthracene	11.246	178	1396742	585.30	ng/ml		99
20) Carbazole	11.404	167	1098601	553.61	ng/ml		99
21) 1-Methylphenanthrene	11.818	192	1186501	631.00	ng/ml		98
22) Fluoranthene	12.465	202	1796405	663.06	ng/ml		96
24) Pyrene	12.756	202	1875198	672.55	ng/ml		100
26) Benz(a)anthracene	14.936	228	1469312	629.74	ng/ml		99
27) Chrysene	15.018	228	1426972	581.07	ng/ml		99
29) Benzo(b)fluoranthene	17.518	252	1548382	675.29	ng/ml		93
30) Benzo(k)fluoranthene	17.588	252	1475774	629.42	ng/ml		93
31) Benzo(b+k)fluoranthene	17.588	252	3120142	1282.84	ng/ml		93
32) Benzo(e)pyrene	18.171	252	1591400	674.47	ng/ml		98
33) Benzo(a)pyrene	18.293	252	1297353	535.84	ng/ml		96
34) Perylene	18.491	252	1594908	641.12	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.811	276	1156472	663.63	ng/ml		80
37) Dibenz(a,h)anthracene	20.875	278	1132840	612.89	ng/ml		83
38) Benzo(g,h,i)perylene	21.353	276	1320462	705.35	ng/ml		81

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072022.D
 Acq On : 07 Apr 2020 22:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CALA
 Misc : 1x, A20C476@600PPB
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:53 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:42:06 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

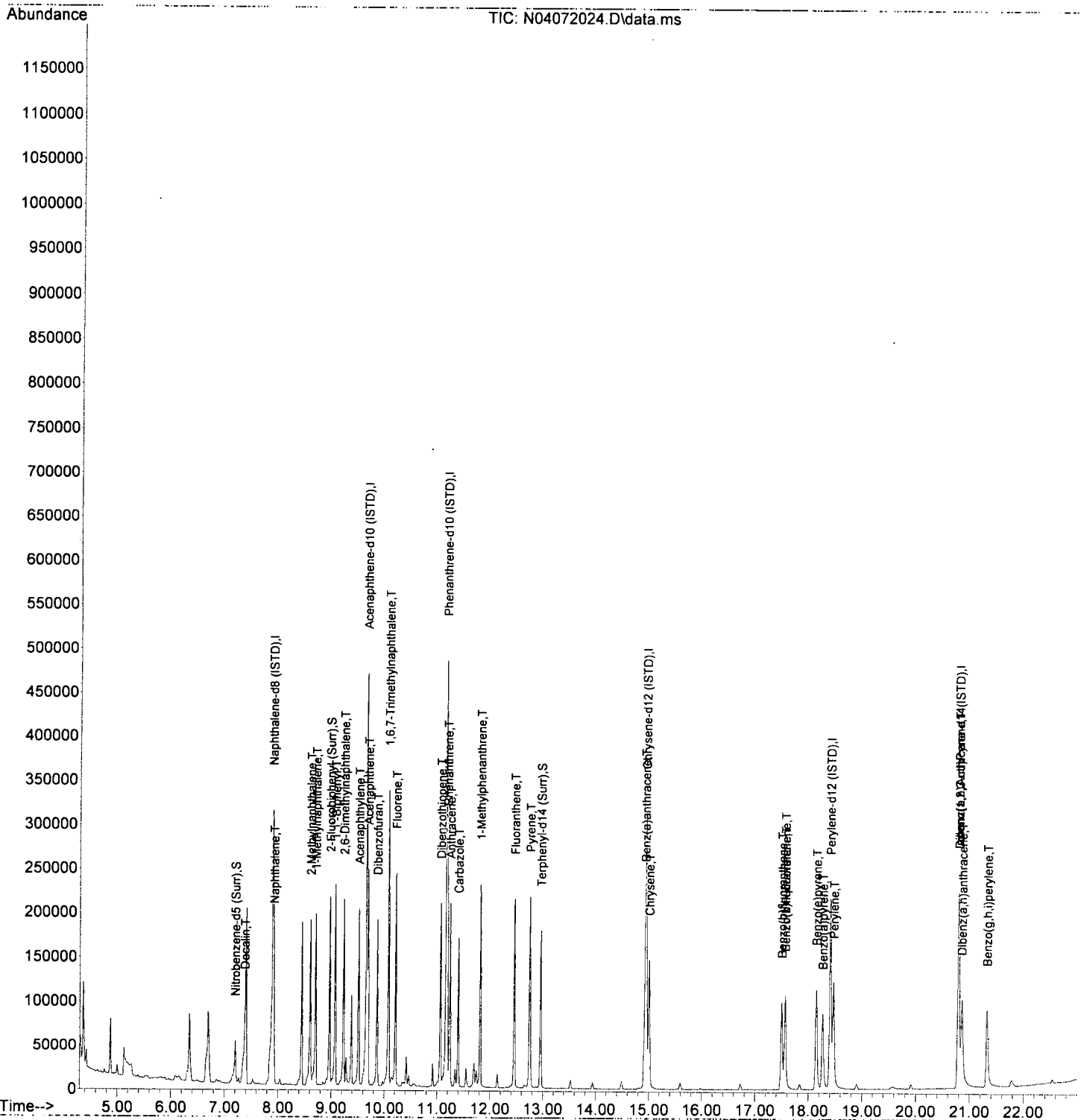
JK 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	144991	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	263411	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.942	240	209391	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.404	264	193930	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	149770	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	31558	53.09	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	114902	46.36	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	104677	52.66	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	8798	45.76	ng/ml		87
4) Naphthalene	7.924	128	134333	46.94	ng/ml		100
5) 2-Methylnaphthalene	8.606	142	95473	52.39	ng/ml		97
6) 1-Methylnaphthalene	8.705	142	95852	55.01	ng/ml		97
7) 1,1'-Biphenyl	9.072	154	122388	52.05	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.236	156	83923	57.04	ng/ml		96
11) Acenaphthylene	9.515	152	136436	54.18	ng/ml		99
12) Acenaphthene	9.690	153	99522	52.52	ng/ml		98
13) Dibenzofuran	9.865	168	127154	46.85	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	80111	50.33	ng/ml		98
15) Fluorene	10.215	166	97899	53.18	ng/ml		98
17) Dibenzothiopene	11.060	184	124997	47.18	ng/ml		96
18) Phenanthrene	11.188	178	149438	49.99	ng/ml		99
19) Anthracene	11.241	178	123075	49.77	ng/ml		99
20) Carbazole	11.398	167	106901	51.99	ng/ml		98
21) 1-Methylphenanthrene	11.812	192	103346	53.04	ng/ml		100
22) Fluoranthene	12.459	202	145369	51.78	ng/ml		96
24) Pyrene	12.750	202	153498	60.74	ng/ml		100
26) Benz(a)anthracene	14.924	228	101320	47.91	ng/ml		99
27) Chrysene	15.000	228	113999	51.22	ng/ml		99
29) Benzo(b)fluoranthene	17.500	252	93375	46.58	ng/ml		93
30) Benzo(k)fluoranthene	17.565	252	98839	48.22	ng/ml		93
31) Benzo(b+k)fluoranthene	17.565	252	205649	96.71	ng/ml		93
32) Benzo(e)pyrene	18.147	252	104146	50.49	ng/ml		98
33) Benzo(a)pyrene	18.264	252	79516	50.72	ng/ml		97
34) Perylene	18.468	252	113877	52.35	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.788	276	77694	46.74	ng/ml		80
37) Dibenz(a,h)anthracene	20.852	278	79648	45.18	ng/ml		84
38) Benzo(g,h,i)perylene	21.324	276	90765	50.83	ng/ml		80

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:42:06 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Apr 08 10:25:58 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

Qtd 4/8/20

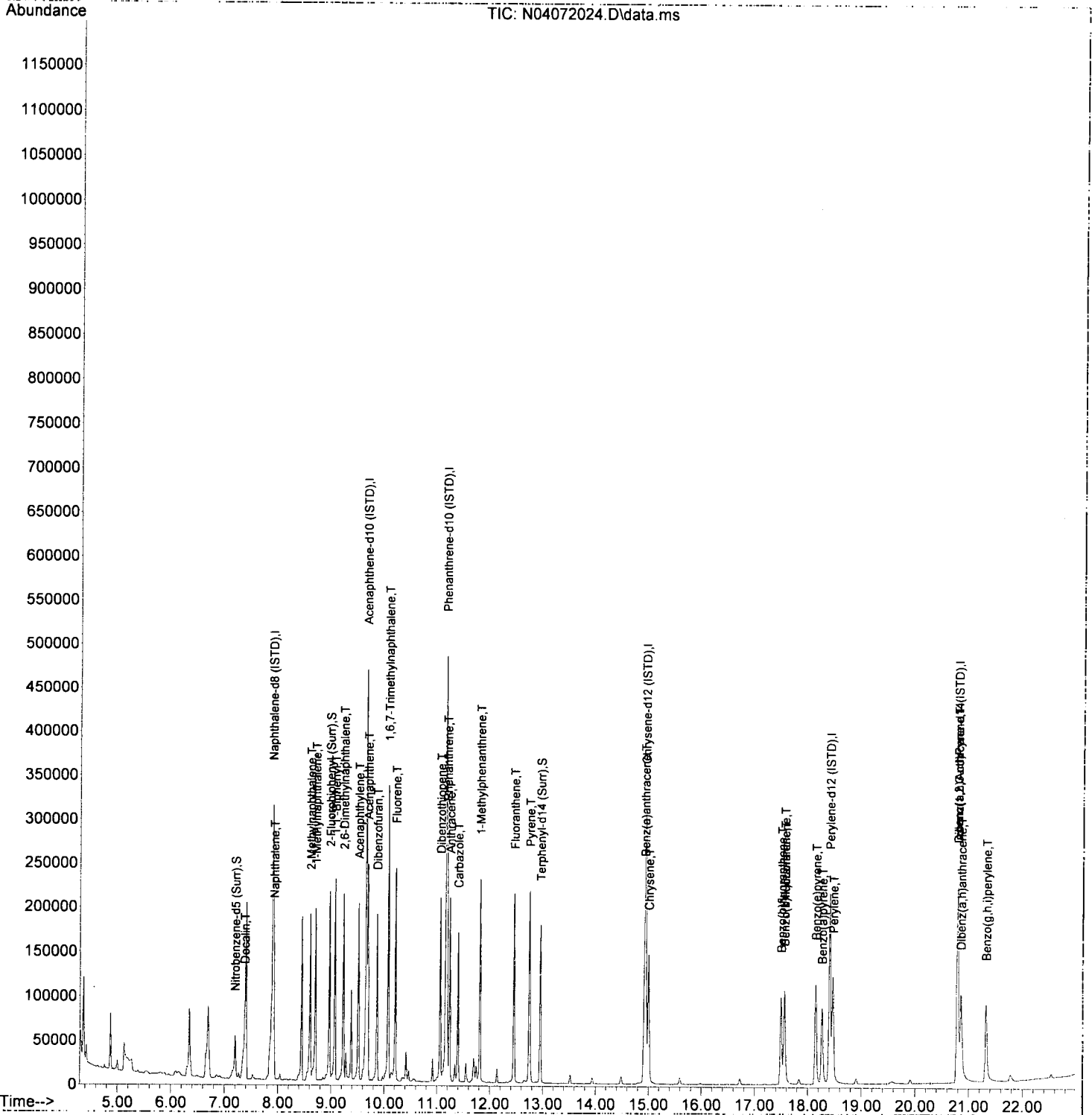
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00	
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23) Chrysene-d12 (ISTD)	14.942	240	209391	100.00	ng/ml	0.00	
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35) Dibenz(a,h)Anthracene-d...	20.788	292	149770	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	31558	38.07	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	114902	51.19	ng/ml	0.00	
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Target Compounds							
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8) 2,6-Dimethylnaphthalene	9.236	156	83923	50.01	ng/ml		96
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17) Dibenzothiopene	11.060	184	124997	46.96	ng/ml		96
18) Phenanthrene	11.188	178	149438	49.29	ng/ml		99
19) Anthracene	11.241	178	123075	49.56	ng/ml		99
20) Carbazole	11.398	167	106901	49.87	ng/ml		98
21) 1-Methylphenanthrene	11.812	192	103346	50.55	ng/ml		100
22) Fluoranthene	12.459	202	145369	48.65	ng/ml		96
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30) Benzo(k)fluoranthene	17.565	252	98839	49.45	ng/ml		93
31) Benzo(b+k)fluoranthene	17.565	252	205649	97.55	ng/ml		93
32) Benzo(e)pyrene	18.147	252	104146	49.68	ng/ml		98
33) Benzo(a)pyrene	18.264	252	79516	49.59	ng/ml		97
34) Perylene	18.468	252	113877	52.76	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.788	276	77694	47.76	ng/ml		80
37) Dibenz(a,h)anthracene	20.852	278	79648	48.55	ng/ml		84
38) Benzo(g,h,i)perylene	21.324	276	90765	52.01	ng/ml		80

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
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 Operator : JK/ AMS/ DTH
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Quant Time: Apr 08 10:25:58 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



**Conventional Chemistry Parameters
Benchsheet & Analysis Sequence Data**

Total Organic Carbon- Soil (5310 B)

Batch 0060137

Sequence 0F13004 (A0E0668-01RE1,02RE1,03,04)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060137 (Soil)

JUN 17 2020

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-8	>11
	0060137-BLK1	QC	06/03/20 11:57	0.2	0.2									
	0060137-BS1	QC	06/03/20 11:57	0.2	0.2	A20E110		1-						
	A0E0668-01	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2	709 6/16/2020				PDI-1175SC-A-01-02-200522				
	A0E0668-01RE1	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-1175SC-A-01-02-200522	Added 6/13/2020 by DAS			
	A0E0668-02	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-00-01-200522				
	A0E0668-02RE1	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-00-01-200522	Added 6/13/2020 by DAS			
	A0E0668-03	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-01-02-200522				
	A0E0668-04	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-02-03-200522	MS/MSD			
	0060137-DUP1	QC	06/03/20 11:57	0.2	0.2		A0E0668-04							
	A0E0668-05	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-03-04-200522				
	A0E0672-01	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-00-01-200521				
	A0E0672-02	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-10-11-200521				
	A0E0672-02RE1	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-10-11-200521	Added 6/15/2020 by DAS			
	A0E0672-03	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-11-12-200521				
	A0E0672-04	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-12-13-200521				
	A0E0672-05	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-13-13.5-200521				
	A0E0672-14	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-00-01-200521				
	A0E0672-15	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-04-05-200521				
	0060137-DUP3	QC	06/03/20 11:57	0.2	0.2		A0E0672-15							
	A0E0672-16	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-05-06-200521				

MAS
Prepared By: _____ Date: 6/16/20

CMZ
Reviewed By: _____ Date: 6/16/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060137 (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
	A0E0672-16RE1	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-05-06-200521	Added 6/15/2020 by DAS			
	A0E0672-17	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-06-07-200521				
	A0E0672-17RE1	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-06-07-200521	Added 6/15/2020 by DAS			
	A0E0672-18	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-07-08-200521				
	A0E0672-19	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-00-01-200521				
	A0E0672-20	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-03-04-200521				
	A0E0672-21	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-04-05-200521				
	A0E0672-22	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-05-06-200521				
	A0E0672-23	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-06-07-200521				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L220	11/30/23	Wet Chem Balance 1
A19F020	06/03/29	TOC Soil Drying Oven @70oC
A19J023	11/30/23	Wet Chem Balance 4
A19J145	05/30/22	TOC Soil Blank Matrix
A19K369	11/27/24	VWR002V
A20F100	12/08/20	10% Phosphoric Acid

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E110	11/08/20	TOC 10k ppm secondary

109
DUE 6/16/20

Surrogate(s)

Std ID	Exp. Date	Description
--------	-----------	-------------

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060137 (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
	0060137-BLK1	QC	06/03/20 11:57	0.2	0.2									
	0060137-BS1	QC	06/03/20 11:57	0.2	0.2	A20E110		1						
	A0E0668-01	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-1175SC-A-01-02-200522				
	A0E0668-02	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-00-01-200522				
	A0E0668-03	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-01-02-200522				
	A0E0668-04	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-02-03-200522	MS/MSD			
	0060137-DUP1	QC	06/03/20 11:57	0.2	0.2		A0E0668-04							
	0060137-DUP2	QC	06/03/20 11:57	0.2	0.2		A0E0668-04							
	A0E0668-05	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-175SC-A-03-04-200522				
	A0E0672-01	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-00-01-200521				
	A0E0672-02	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-10-11-200521				
	A0E0672-03	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-11-12-200521				
	A0E0672-04	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-12-13-200521				
	A0E0672-05	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-171SC-A-13-13.5-200521				
	A0E0672-14	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-00-01-200521				
	A0E0672-15	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-04-05-200521				
	0060137-DUP3	QC	06/03/20 11:57	0.2	0.2		A0E0672-15							
	A0E0672-16	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-05-06-200521				
	A0E0672-17	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-06-07-200521				
	A0E0672-18	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-173SC-A-07-08-200521				

MAS

6/3/20

[Signature]

6/16/20

Prepared By:

Date

Reviewed By:

Date

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0060137 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-8	>11
	A0E0672-19	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-00-01-200521				
	A0E0672-20	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-03-04-200521				
	A0E0672-21	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-04-05-200521				
	A0E0672-22	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-05-06-200521				
	A0E0672-23	A Total Organic Carbon - Soil (5310 B)	06/03/20 11:57	0.2	0.2					PDI-174SC-A-06-07-200521				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L220	11/30/23	Wet Chem Balance 1	A20E110	11/08/20	TOC 10k ppm secondary			
A19F020	06/03/29	TOC Soil Drying Oven @70oC						
A19J023	11/30/23	Wet Chem Balance 4						
A19J145	05/30/22	TOC Soil Blank Matrix						
A19K369	11/27/24	VWR002V						
A19L107 A20E109	06/06/20	10% Phosphoric Acid						

A20E109
ANAL 01/10/20

MAS
6/8/20

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____

Batch 0060137

①MAS
6/5/20

TOC PSEP preweigh

Analyst MAS

Date/Time:	6.4.20/1631	6.5.20/13:21				
T(°C) IN / OUT:	70.7/68.8	70.9/62.5	1	1		
Sample ID	Wt 1(g)	Wt 2(g)	Wt 3(g)	Wt 4(g)	Effervesces? (yes/no)	Comments
A0E0668-01	5.5185	5.5202			NO	
A0E0668-02	5.1503	5.1524			NO	
A0E0668-03	5.1043	5.1076			NO	
A0E0668-04	7.1197	7.1224			NO	
0060137-DUP1	6.5628	6.5651			NO	A0E0668-04
A0E0668-05	6.7382	6.7407			NO	
A0E0672-01	5.7550	5.7555			NO	
A0E0672-02	5.2779	5.2804			NO	
A0E0672-03	4.8417	4.8421			NO	
A0E0672-04	4.2059	4.2087			NO	
A0E0672-05	6.5645	6.5657			NO	
A0E0672-14	6.1259	6.1276			NO	
A0E0672-15	5.6802	5.6812			NO	
0060137-DUP3	6.2675	6.2698			NO	A0E0672-15
A0E0672-16	5.5167	5.5179			NO	
A0E0672-17	6.1398	6.1437			NO	
A0E0672-18	4.7445	4.7461			NO	
A0E0672-19	8.1627	8.1662			NO	
A0E0672-20	7.9516	7.9528			NO	
A0E0672-21	4.7349	4.7371			NO	
A0E0672-22	4.4148	4.4135			NO	
A0E0672-23	3.8971	3.9001			NO	
		① 3.9001				

* First in oven @ 1836 6/3/20

MAS 6/3/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0F13004
Date: 06/13/20 11:30

Instrument: TOC
Calibration: A8B0203

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F13004-CCV1	Soil	QC	QC				A20F093
2	0F13004-CCB1	Soil	QC	QC				
3	A0E0827-14RE1	Soil	Total Organic Carbon - Soil (9060A)		06/11/20	0060026		
4	"	Soil	Total Organic Carbon - Soil (5310 B)	(QC Source)		0060026		
5	0060137-BLK1	Soil	QC	QC		0060137		
6	0060137-BS1	Soil	QC	QC		0060137		
7	A0E0668-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
8	A0E0668-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
9	A0E0668-01RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
10	A0E0668-02RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
11	A0E0668-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
12	A0E0668-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
13	0060137-DUP1	Soil	QC	QC		0060137		
14	0F13004-CCV2	Soil	QC	QC				A20F093
15	0F13004-CCB2	Soil	QC	QC				

Data Entered By/Date: WVD 6/15/20

Data Reviewed By/Date: QWF 6/16/20

Comments: *DAS was analyst.*
am
6/18/2020

TOC Data

Sample ID (Reporting Levels based on lowest amount used.)	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
OF13004-CCV1	1	20	281.80	207.68	10,383.96	9,736	06/13/20 11:42 AM
	2	20	255.80	181.76	9,088.12		
OF13004-CCB1	1	100	0	5.15	51.53	52	06/13/20 11:57 AM
	2	100	0	5.15	51.53		
AOE0827-14RE1	1	16.3	425.100	453.24	27,805.84	28,795	06/13/20 12:03 PM
	2	14.6	432.200	471.32	32,281.97	RSD: 10.8% ✓	
	3	16.5	417.200	433.89	26,296.44		
0060137-BLK1	1	98.8	2.15	7.17	72.57	74	06/13/20 12:29 PM
	2	99.7	2.94	7.91	79.30	RSD: 6.2% ✓	
	3	98.0	1.87	6.91	70.54		
0060137-BS1	1	20.0	279	204.68	10,234.17	10,121	06/13/20 12:44 PM
	2	20.0	272.6	198.03	9,901.44	RSD: 1.9% ✓	
	3	20.0	278.9	204.58	10,228.87		
AOE0668-01	1	96.6	381.9	356.86	3,694.25	2,567.8	06/13/20 01:06 PM
	2	100.0	284.7	210.84	2,108.38	RSD: 38.2%	
	3	96.8	258	183.8	1,888.74	1,900.71	
AOE0668-02	1	77.6	84.9	69.14	890.99	1,953	06/13/20 01:32 PM
	2	76.4	290.4	217.21	2,843.13	RSD: 50.6%	
	3	82.7	249.2	175.81	2,125.93		
AOE0668-01RE1	1	91.4	192.5	132.86	1,453.66	1,584	06/13/20 01:49 PM
	2	98.8	267	192.42	1,947.56	RSD: 20.2% ✓	
	3	97.4	190.3	131.43	1,349.38		
AOE0668-02RE1	1	98.9	136.5	99.2	1,003.07	2,035	06/13/20 02:11 PM
	2	97.9	385.6	364.25	3,720.64	RSD: 72.4%	
	3	97.0	194	133.85	1,379.91		

Matrix very non-homogeneous.
 6/16/2020

TOC Data

Sample ID (Reporting Levels based on lowest amount used.)	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
A0E0668-03	1	97.5	312.5	244.2	2,504.62	2,181	06/13/20 02:35 PM
	2	95.4	252.8	179.03	1,876.62	RSD: 14.4%	14:29 (2:28)
	3	98.7	287	213.38	2,161.94		Wb 6/15/20
A0E0668-04	1	95.6	13.88	17.74	185.61	195	06/13/20 02:42 PM
	2	99.4	16.74	20.21	203.33	RSD: 4.6%	
	3	98.4	15.66	19.28	195.98		
0060137-DUP1	1	97.8	15.77	19.38	198.15	205	06/13/20 03:01 PM
	2	99.1	18.2	21.45	216.49	RSD: 4.8%	
	3	96.7	15.8	19.4	200.67		
0F13004-CCV2	1	20.0	273.8	199.26	9,962.82	10,043	06/13/20 03:23 PM
	2	20.0	276.9	202.47	10,123.53		
0F13004-CCB2	1	100.0	0	5.15	51.53	52	06/13/20 03:47 PM
	2	100.0	0	5.15	51.53		
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!	#DIV/0!	
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!	#DIV/0!	
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!	#DIV/0!	
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!	#DIV/0!	

Sequence OF19004
 Batch 0060026/0060177

TOC Soil data log

Date/Time 6/13/2020
 Analyst AMZ

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments	Date and Time
	Wt2(mg or ul)**	raw TOC (ug)		
	Wt3(mg or ul)**	raw TOC (ug)		
OF19004 -CCU1	20	281.8	Time out	6/13/2020 1142
	20	255.8		
OF19004 -CCB1	100	0	no peak	1157
	100	0		
AOE0827 -14RE1	16.7	425.1		1203
	14.6	432.2		
	16.5	417.2		
0060197 -BLK1	98.8	2.146		1229
	99.7	2.937		
	98.0	1.871		
0060197 -BSP1	279 ←	20	Time out	1244
	272.6 ↓	20		
	278.9 ↓	20		
AOE0668 -01	96.6	381.9	>30% RSD	1306
	100.0	284.7		
	96.7	258		
AOE0668 -02	77.6	84.9	yellow color? >30% RSD	1332
	76.4	290.4		
	82.7	249.2		
AOE0668 -03	97.5	312.5		1428
	95.4	252.8		
	98.7	287.0		

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments	Date and Time
	Wt2(mg or ul)**	raw TOC (ug)		
	Wt3(mg or ul)**	raw TOC (ug)		
AOE0668 -04	95.6	13.88		6/13/2020 1442
	99.4	16.74		
	98.4	15.66		
AOE0668 -05				
AMZ 6/13/2020				
0060197 -DUP1	97.8	15.77		1501
	99.1	18.2		
	96.7	15.8		
OF19004 -CCU2	20	273.8	Time out	1523
	20	276.9		
OF19004 -CCB2	100	0	no peak	1547
	100	0		
AOE0668 -01RE1	91.4	192.5		1349
	96.9	267		
	97.4	190.3		
AOE0668 -02RE1	98.9	176.5		1411
	97.9	385.6		
	97.0	194		

**Sample mass input into instrument as 1000 mg to output actual ug C

**Conventional Chemistry Parameters
Benchsheet & Analysis Sequence Data**

Total Organic Carbon- Soil (5310 B)

Sequence 0F15041(A0E0668-05)



ELEMENT SEQUENCE LOG

Apex Laboratories

JUN 17 2020

Sequence:

0F15041

Instrument:

TOC

Date:

06/15/20 09:47

Calibration:

A8B0203

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F15041-CCV1	Soil	QC	QC				
2	0F15041-CCB1	Soil	QC	QC				A20F093
3	A0E0612-23RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/04/20	0060026		
4	A0E0668-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
5	A0E0672-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
6	A0E0672-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
7	A0E0672-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
8	A0E0672-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
9	A0E0672-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
10	A0E0672-14	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
11	A0E0672-15	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
12	0060137-DUP3	Soil	QC	QC		0060137		
13	0F15041-CCV2	Soil	QC	QC				A20F093
14	0F15041-CCB2	Soil	QC	QC				
15	A0E0672-16	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
16	A0E0672-17	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
17	A0E0672-18	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
18	A0E0672-19	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
19	A0E0672-20	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
20	A0E0672-21	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
21	A0E0672-22	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
22	A0E0672-23	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	06/05/20	0060137		
23	0F15041-CCV3	Soil	QC	QC				A20F093
24	0F15041-CCB3	Soil	QC	QC				

Data Entered By/Date: WVO 6/15/20
 Data Reviewed By/Date: SHUF 6/16/20

Comments: DAS did analysis
6/16/2020

TOC Data

Sample ID (Reporting Levels based on lowest amount used.)	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
OF15041-CCV1	1	20	282.6	208.54	10,427.24	9,965	06/15/20 10:29 AM
	2	20	264.6	190.07	9,503.66		
OF15041-CCB1	1	100	0	5.15	51.53	52	06/15/20 10:45 AM
	2	100	0	5.15	51.53		
A0E0612-23RE1	1	97.1	90.4	72.46	746.27	747	06/15/20 10:52 AM
	2	94.2	79.0	65.48	695.08	RSD: 7%	
	3	99.4	102.1	79.46	799.36		
A0E0668-05	1	96.4	15.27	18.95	196.56	201	06/15/20 11:08 AM
	2	95.0	16.09	19.65	206.88	RSD: 2.6%	
	3	96.8	15.8	19.4	200.46		
A0E0672-01	1	42.7	489.6	643.7	15,074.97	16,093	06/15/20 11:29 AM
	2	37.5	507.9	709.31	18,915.03	RSD: 15.4%	
	3	38.3	459.5	547.28	14,289.28		
A0E0672-02	1	40.7	537.9	829.15	20,372.29	21,626	06/15/20 11:49 AM
	2	37.5	523.6	770.07	20,535.21	RSD: 9.4%	
	3	35.4	542.4	848.5	23,969.04		
A0E0672-03	1	29.0	518.5	749.87	25,857.59	22,055	06/15/20 12:10 PM
	2	24.8	432.9	473.14	19,078.06	RSD: 15.7%	
	3	25.5	457.5	541.36	21,229.63		
A0E0672-02RE1	1	25.9	471.1	582.8	22,502.06	21,517	06/15/20 12:30 PM
	2	24.1	450.2	520.22	21,586.04	RSD: 4.7%	
	3	23.7	437.4	484.99	20,463.62		
A0E0672-04	1	28.9	492.3	653.04	22,596.51	21,946	06/15/20 12:58 PM
	2	30.0	491.1	648.87	21,629.15	RSD: 2.6%	
	3	28.2	479.4	609.47	21,612.32		

TOC Data

Sample ID (Reporting Levels based on lowest amount used.)	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
A0E0672-05	1	29.1	121.8	90.83	3,121.31	3,200	06/15/20 01:21 PM
	2	34.8	195.5	134.84	3,874.81	RSD: 20% ✓	
	3	35.7	125.5	92.94	2,603.36		
A0E0672-14	1	28.0	83.22	68.1	2,432.32	2,479	06/15/20 01:36 PM
	2	36.0	131.4	96.3	2,674.97	RSD: 7.1% ✓	
	3	35.6	108.1	82.96	2,330.23		
A0E0672-15	1	34.2	199.4	137.45	4,019.14	4,522	06/15/20 01:53 PM
	2	42.0	280.7	206.5	4,916.57	RSD: 10.1% ✓	
	3	39.7	258	183.8	4,629.68		
0F15041-CCV2	1	20.0	280.8	206.6	10,330.17	10,214	06/15/20 02:13 PM
	2	20.0	276.4	201.95	10,097.40		
0F15041-CCB2	1	100.0	0	5.15	51.53	52	06/15/20 02:30 PM
	2	100.0	0	5.15	51.53		
0060137-DUP3	1	35.2	241.4	169.08	4,803.42	4,466	06/15/20 02:39 PM
	2	37.2	203.4	140.18	3,768.32	RSD: 13.5% ✓	
	3	38.5	260.1	185.77	4,825.13		
A0E0672-16	1	26.9	519.1	752.22	27,963.69	31,296	06/15/20 02:57 PM
	2	23.7	428.6	462.07	19,496.42	RSD: 44%	
	3	22.1	580.2	1026.09	46,429.29		
A0E0672-17	1	35.0	335.4	276.34	7,895.39	8,939	06/15/20 03:16 PM
	2	23.6	362.4	320.41	13,576.71	9,925	
	3	32.5	246.8	269.81	8,301.82	RSD: 47.1% ✓	
A0E0672-16RE1	1	17.9	402.2	399.33	22,309.12	25,908	06/15/20 03:37 PM
	2	18.1	441.1	494.94	27,344.71	RSD: 12.1%	
	3	17.7	441.8	496.84	28,070.24		
A0E0672-18	1	33.5	416.1	431.26	12,873.48	12,649	06/15/20 04:00 PM
	2	33.1	400.4	395.37	11,944.77	RSD: 4.9% ✓	
	3	33.1	417.5	434.61	13,130.25		

} mo 6/16/20

TOC Data

Sample ID (Reporting Levels based on lowest amount used.)	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
A0E0672-19	1	99.8	251.6	177.95	1,783.07	1,525	06/15/20 04:19 PM
	2	99.1	163.6	114.9	1,159.46	RSD: 21.3%	
	3	99.6	233.6	162.65	1,633.00		
A0E0672-20	1	92.5	252.7	178.94	1,934.48	1,751	06/15/20 04:44 PM
	2	97.3	240	167.9	1,725.63	RSD: 9.9%	
	3	93.6	215.8	148.98	1,591.64		
A0E0672-21	1	40.1	420.5	441.87	11,019.29	12,473	06/15/20 05:06 PM
	2	36.6	457.5	541.36	14,791.13	RSD: 16.3%	
	3	35.7	408.9	414.42	11,608.53		
A0E0672-22	1	3.5	430.3	466.41	133,260.71	145,859	06/15/20 05:36 PM
	2	3.5	433.8	475.48	135,852.67	RSD: 13.5%	
	3	4.0	498.2	673.85	168,463.30		
A0E0672-23	1	3.6	461.4	552.96	153,600.40	143,571	06/15/20 06:06 PM
	2	4.1	458.2	543.42	132,542.01	RSD: 7.4%	
	3	3.8	460.2	549.37	144,570.18		
0F15041-CCV3	1	20.0	279.9	205.64	10,282.04	10,140	06/15/20 06:23 PM
	2	20.0	274.5	199.98	9,998.84		
0F15041-CCB3	1	100.0	0.65	5.76	57.63	55	06/15/20 06:38 PM
	2	100.0	0	5.15	51.53		

TOC Data

Sample ID (Reporting Levels based on lowest amount used.)	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
0F15041-CCV3	1	20	279.90	205.64	10,282.04	10,140	06/15/20 06:23 PM
	2	20	274.50	199.98	9,998.84		
0F15041-CCB3	1	100	0.65	5.76	57.63	55	06/15/20 06:38 PM
	2	100	0	5.15	51.53		
AOE0672-17RE1	1	33.3	236.300	164.84	4,950.19	5,223	06/15/20 06:46 PM
	2	36	309.000	239.68	6,657.65	RSD: 25.3% ✓	
	3	36.3	213.600	147.38	4,059.96		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		

repeat print. AUF 6/16/20

Page 4 AUF 6/16/20

TOC Data

Sample ID (Reporting Levels based on lowest amount used.)	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
OF15041-CCV4	1	20.0	257.5	183.33	9,166.67	9,379 ✓	06/15/20 07:07 PM
	2	20.0	266.4	191.83	9,591.46		
OF15041-CCB4	1	100.0	0	5.15	51.53	52 ✓	06/15/20 07:25 PM
	2	100.0	0	5.15	51.53		
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		
Sample ID	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	3			5.15	#DIV/0!		

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OK 6/16/20

Sequence OF15041
 Batch 0060026/0060137

TOC Soil data log

Date/Time 6/15/2020
 Analyst CM

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments	Date and Time
	Wt2(mg or ul)**	raw TOC (ug)		
	Wt3(mg or ul)**	raw TOC (ug)		
OF15041 -CCV1	20	282.6	Time out	6/15/2020 1029
	20	264.6	Time out	
OF15041 -CCB1	100	0	no peak	1045
	100	0	no peak	
AOE0672 -23RE1	97.1	90.35	(-23 RSP > 300) 1052	1052
	94.2	79.0		
	99.4	102.1		
AOE0672 -05	96.4	15.27	1108	1108
	95.0	16.09		
	96.8	15.8		
AOE0672 -01	40.742.7	489.6	wood/ debris	1129
	13.7	507.9		
	37.5	459.5		
AOE0672 -02	40.7	537.9	(E)	1149
	37.5	523.6		
	35.4	542.4		
AOE0672 -03	29.0	510.5	1210	1210
	24.8	432.9		
	25.5	457.5		
AOE0672 -04	28.9	492.3	1258	1258
	30.0	491.1		
	28.2	479.4		

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments	Date and Time
	Wt2(mg or ul)**	raw TOC (ug)		
	Wt3(mg or ul)**	raw TOC (ug)		
AOE0672 -05	29.1	121.8	1321	1321
	34.8	195.5		
	35.7	125.5		
AOE0672 -14	28.0	83.22	Debris/ wood	1336
	36.0	131.4		
	35.6	108.1		
AOE0672 -15	34.2	199.4	Debris/ wood	1353
	42.0	280.7		
	39.7	258		
0060137 -DUP3	35.2	241.4	Debris/ Wood	1439
	37.2	203.4		
	38.5	260.1		
OF15041 -CCV2	20	280.8	Time out	1413 mo 6/15/20
	20	276.4		
OF15041 -CCB2	100	0	1430	1430
	100	0		
AOE0672 -02RE1	25.9	471.1	1230	1230
	24.1	450.2		
	23.7	437.4		
AOE0672 -16	26.9	519.1	Woody/ Debris (E) >300ug	1457
	23.7	428.6		
	22.1	580.2		

**Sample mass input into instrument as 1000 mg to output actual ug C

Sequence OF15041
 Batch 0060137

TOC Soil data log

Date/Time 6/11/2020
 Analyst GM

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments	Date and Time
	Wt2(mg or ul)**	raw TOC (ug)		
	Wt3(mg or ul)**	raw TOC (ug)		
AOE0672 -17	35.0	335.4	>30% R10	15/16/6/11/2020
	23.6	782.4		
	32.5	246.8		
AOE0672 -18	33.5	400.4 416.5		1600
	33.1	400.4		
	33.1	417.5		
AOE0672 -19	27.6	251.6		1619
	99.1	163.6		
	99.6	238.6		
AOE0672 -20	92.5	252.7		1644
	97.3	240		
	93.6	215.8		
AOE0672 -21	40.1	420.5	debris/ wood	1706
	36.6	457.8		
	35.7	408.9		
AOE0672 -22	5.5/3.5	568.5/430.3	mostly org material	1736
	5.8 3.5	433.8		
	5.6 4.0	498.2		
AOE0672 -23	3.6	461.4	mostly org. material	1806
	4.1	458.2		
	3.8	460.2		
OF15041 -CCB3	20	279.9		1823
	20	274.5		

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments	Date and Time
	Wt2(mg or ul)**	raw TOC (ug)		
	Wt3(mg or ul)**	raw TOC (ug)		
OF15041 -CCB3	100	0.646	no peak	1838
	100	0		
AOE0672 -16REI	21.8	77.9	Debris/ wood	1537
	18.1	441.1		
	17.7	441.8		
AOE0672 -17REI	33.3	236.3		1846
	36.0	309		
	36.3	213.6		
OF15041 -CCU4	20	257.5	Time out Time out	1907
	20	266.4		
OF15041 -CCBY	100	0	No peak No peak	1925
	100	0		

**Sample mass input into instrument as 1000 mg to output actual ug C

**Conventional Chemistry Parameters
Calibration Data**

Sequence 8B02022 (Cal ID A8B0203) TOC

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 8B02022
Date: 02/02/18 10:15

Instrument: TOC
Calibration: A8B0203

<u>Order</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>
1	8B02022-CAL1	Soil	QC	QC				
2	8B02022-CAL2	Soil	QC	QC				A18B030
3	8B02022-CAL3	Soil	QC	QC				A18B029
4	8B02022-CAL4	Soil	QC	QC				A18B028
5	8B02022-CAL5	Soil	QC	QC				A18B027
6	8B02022-CAL6	Soil	QC	QC				A18B026
7	8B02022-CAL7	Soil	QC	QC				A18B025
8	8B02022-CAL8	Soil	QC	QC				A18B024
9	8B02022-CAL9	Soil	QC	QC				A18B023
10	8B02022-CALA	Soil	QC	QC				A18B022
11	8B02022-CALB	Soil	QC	QC				A18B021
12	8B02022-ICV1	Soil	QC	QC				A18B031
13	8B02022-ICB1	Soil	QC	QC				
14	8B02022-ICV2	Soil	QC	QC				
15	8B02022-ICB2	Soil	QC	QC				A18B031

Data Entered By: JKP 2-2-18 Comments:

Data Reviewed By: JCS 2/14/18

TOC Data

Sample ID	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!		
8B02022-CAL1	1	20	1.847	6.89	344.50	323	
	2	20	1.106	6.2	309.77		
	3	20	1.192	6.28	313.81		
8B02022-CAL2	1	20.0	14.4	18.2	909.78		
	2	20.0	16.65	20.13	1,006.70		
	3	20.0	15.74	19.35	967.66		
8B02022-CAL3	1	20.0	44.37	42.07	2,103.69		
	2	20.0	48.3	44.93	2,246.27		
	3	20.0	47.81	44.57	2,228.65		
8B02022-CAL4	1	20.0	123.9	92.03	4,601.40		
	2	20.0	131.8	96.53	4,826.34		
	3	20.0	132.4	96.87	4,843.42		
8B02022-CAL5	1	20.0	278.8	204.47	10,223.57		
	2	20.0	287.6	214.05	10,702.70		
	3	20.0	284.1	210.18	10,508.98		
8B02022-CAL6	1	20.0	350.7	300.44	15,022.06		
	2	20.0	345	291.2	14,560.12		
	3	20.0	361	317.95	15,897.40		
8B02022-CAL7	1	20.0	399.1	392.54	19,626.76		
	2	20.0	402.2	399.33	19,966.67		
	3	20.0	410.3	417.65	20,882.38		

TOC Data

Sample ID	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
8B02022-CALB	1	20.0	437.8	486.05	24,302.72		
	2	20.0	440.9	494.4	24,719.83		
	3	20.0	437.4	484.99	24,249.38		
8B02022-CALG	1	20.0	473.2	589.45	29,472.51		
	2	20.0	473.6	590.72	29,536.19		
	3	20.0	479.7	610.45	30,522.56		
8B02022-CALA	1	20.0	503.7	693.77	34,688.41		
	2	20.0	504.4	696.34	34,816.94		
	3	20.0	504.6	697.07	34,853.73		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!	#DIV/0!	
8B02022-CALB	1	20	529.100	792.36	39,618.21		
	2	20	532.500	806.41	40,320.67		
	3	20	537.600	827.87	41,393.75		
8B02022-ICV1	1	20.0	298.2	226.32	11,315.89	11,747	
	2	20.0	312	243.55	12,177.38		
	3			5.15	#DIV/0!		
8B022-ICB1	1	20.0	0	5.15	257.64	258	
	2	20.0	0	5.15	257.64		
	3			5.15	#DIV/0!		
8B02022-ICV2	1	20.0	277.9	203.52	10,176.04		
	2	20.0	287.2	213.61	10,680.34		
	3			5.15	#DIV/0!		
8B02022-ICB2	1	20.0	0	5.15	257.64		
	2	20.0	0	5.15	257.64		
	3			5.15	#DIV/0!		

⇒ ICV1 failed high. Re-prepped and re-analyzed below as ICV2. JKP2-2-18

Sequence 8B02022
 Batch _____

TOC Soil data log

Date/Time 2-2-18 @ 1735
 Analyst JKP JKP

2-2-18

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments
	Wt2(mg or ul)**	raw TOC (ug)	
	Wt3(mg or ul)**	raw TOC (ug)	
8B02022-Cal1	20	1.847	
	20	1.106	
	20	1.192	
8B02022-Cal2	20	14.4	Time Out
	20	16.65	
	20	15.74	
8B02022-Cal3	20	44.37	
	20	48.3	
	20	47.81	
8B02022-Cal4	20	123.9	Time Out
	20	131.8	
	20	132.4	
8B02022-Cal5	20	278.8	
	20	287.6	
	20	284.1	
8B02022-Cal6	20	350.7	Time Out
	20	345	
	20	361	
8B02022-Cal7	20	399.1	Time Out
	20	402.2	
	20	410.3	
8B02022-Cal8	20	437.8	Time Out
	20	440.9	
	20	437.4	

Sample ID	Wt1(mg or ul)**	raw TOC (ug)	Comments
	Wt2(mg or ul)**	raw TOC (ug)	
	Wt3(mg or ul)**	raw TOC (ug)	
8B02022-Cal9	20	473.2	Time Out
	20	473.6	
	20	479.7	
8B02022-Cal10 A JKP 2-2-18	20	503.7	Time Out
	20	504.4	
	20	504.6	
8B02022-Cal11 B JKP 2-2-18	20	529.1	Time Out
	20	532.5	
	20	537.6	
8B02022-ICV1 JKP 2-2-18	20	298.2	Time Out
	20	312	
	20		
8B02022-ICB1 JKP 2-2-18	20	0	
	20	0	
	20		
8B02022-ICV2	20	277.9	Time Out
	20	287.2	
8B02022-ICB2	20	0	
	20	0	

3 ICV1
 failed
 high.
 Re-prepped
 and
 re-analyzed
 below
 as ICV2
 JKP
 2-2-18

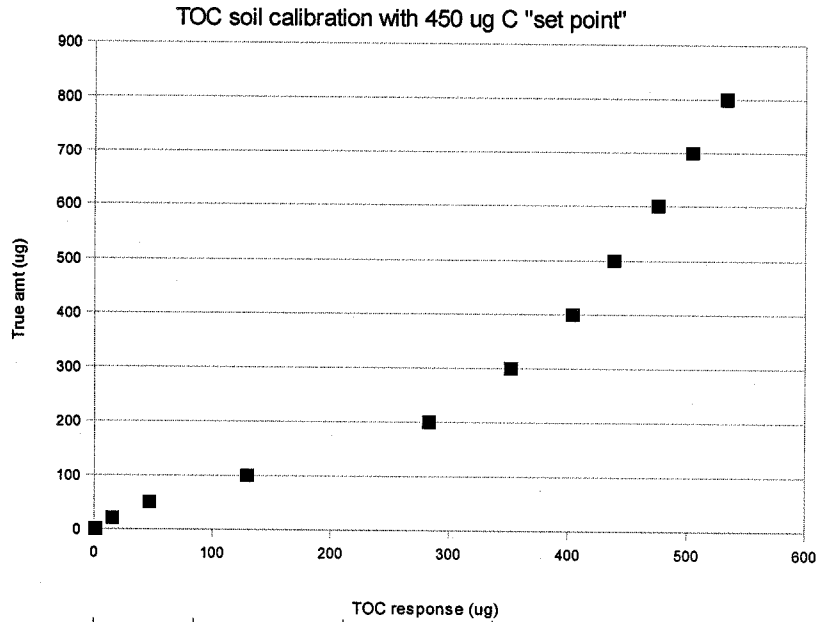
**Sample mass input into instrument as 1000 mg to output actual ug C

Data Entry

Cal Standard	Instrument Reponse	Average Instrument Response
1	1.85	1.38
	1.11	
	1.19	
2	14.4	15.6
	16.65	
	15.74	
3	44.37	46.83
	48.3	
	47.81	
4	123.9	129.37
	131.8	
	132.4	
5	278.8	283.5
	287.6	
	284.1	
6	350.7	352.23
	345	
	361	
7	399.1	403.87
	402.2	
	410.3	
8	437.8	438.7
	440.9	
	437.4	
9	473.2	475.5
	473.6	
	479.7	
10	503.7	504.23
	504.4	
	504.6	
11	529.1	533.07
	532.5	
	537.6	

450 ug curve

TOC resp ug C	True ug C
533.07	800
504.23	700
475.5	600
438.7	500
403.87	400
352.23	300
283.5	200
129.37	100
46.83	50
15.6	20
1.38	0



TOC resp ug (Requant	% recovery
533.07	101.1
504.23	99.39
475.5	99.47
438.7	97.69
403.87	100.76
352.23	100.99
283.5	104.76
129.37	95.14
46.83	87.73
15.6	96.15
1.38	N/A

X (response)	X^2	X^3	y (ug C)	curve calculations			
533.07	284160.07	151476261.9	800	0.00000740	-0.00289199	0.94586231	5.15285875
504.23	254251.25	128201957.5	700	0	0	0.14	5.96
475.5	226100.25	107510668.9	600	0.99945	8.03	#N/A	#N/A
438.7	192457.69	84431188.6	500	4233.13	7	#N/A	#N/A
403.87	163108.28	65873999.14	400	818003.66	450.89	#N/A	#N/A
352.23	124068.32	43700998.31	300				
283.5	80372.25	22785532.88	200				
129.37	16735.73	2165046.18	100				
46.83	2192.74	102678.55	50				
15.6	243.26	3793.98	20				
1.38	1.91	2.64	0				

TOC Data

Sample ID	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!		
8B02022-CAL1	1	20	1.847	6.89	344.50	323	
	2	20	1.106	6.2	309.77		
	3	20	1.192	6.28	313.81		
8B02022-CAL2	1	20.0	14.4	18.2	909.78	961	
	2	20.0	16.65	20.13	1,006.70		
	3	20.0	15.74	19.35	967.66		
8B02022-CAL3	1	20.0	44.37	42.07	2,103.69	2,193	
	2	20.0	48.3	44.93	2,246.27		
	3	20.0	47.81	44.57	2,228.65		
8B02022-CAL4	1	20.0	123.9	92.03	4,601.40	4,757	
	2	20.0	131.8	96.53	4,826.34		
	3	20.0	132.4	96.87	4,843.42		
8B02022-CAL5	1	20.0	278.8	204.47	10,223.57	10,478	
	2	20.0	287.6	214.05	10,702.70		
	3	20.0	284.1	210.18	10,508.98		
8B02022-CAL6	1	20.0	350.7	300.44	15,022.06	15,160	
	2	20.0	345	291.2	14,560.12		
	3	20.0	361	317.95	15,897.40		
8B02022-CAL7	1	20.0	399.1	392.54	19,626.76	20,159	
	2	20.0	402.2	399.33	19,966.67		
	3	20.0	410.3	417.65	20,882.38		

TOC Data

Sample ID	Rep #	Amount (mg or ul)	instrument response (ug C)	Calculated ug C	TOC (mg/kg or mg/l)	Average TOC (mg/kg or mg/l)	Date and Time
8B02022-CAL8	1	20.0	437.8	486.05	24,302.72	24,424	
	2	20.0	440.9	494.4	24,719.83		
	3	20.0	437.4	484.99	24,249.38		
8B02022-CAL9	1	20.0	473.2	589.45	29,472.51	29,844	
	2	20.0	473.6	590.72	29,536.19		
	3	20.0	479.7	610.45	30,522.56		
8B02022-CALA	1	20.0	503.7	693.77	34,688.41	34,786	
	2	20.0	504.4	696.34	34,816.94		
	3	20.0	504.6	697.07	34,853.73		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!		
	1			5.15	#DIV/0!	#DIV/0!	
	2			5.15	#DIV/0!		
8B02022-CALB	1	20	529.100	792.36	39,618.21	40,444	
	2	20	532.500	806.41	40,320.67		
	3	20	537.600	827.87	41,393.75		
8B02022-ICV1	1	20.0	298.2	226.32	11,315.89	11,747	
	2	20.0	312	243.55	12,177.38		
	3			5.15	#DIV/0!		
8B022-ICB1	1	20.0	0	5.15	257.64	258	
	2	20.0	0	5.15	257.64		
	3			5.15	#DIV/0!		
8B02022-ICV2	1	20.0	277.9	203.52	10,176.04	10,428	
	2	20.0	287.2	213.61	10,680.34		
	3			5.15	#DIV/0!		
8B02022-ICB2	1	20.0	0	5.15	257.64	258	
	2	20.0	0	5.15	257.64		
	3			5.15	#DIV/0!		

**Total Solids by SM2540G
Benchsheet Data**

Batch 0060131 (A0E0668-01,02,03,04,05)



Apex Laboratories
PREPARATION BENCH SHEET

JUN 11 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0060131 (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
A0E0668-01	Dry Weight		06/03/20 11:47		1.2682 ✓	27.8496 -	25.2874 -	90.4 ✓	Use Results from TS.. Make NR once completed.
A0E0668-01	Solids, Total (SM 254)		06/03/20 11:47		1.2682 ✓	27.8496 ✓	25.2874 ✓	90.4 ✓	Use Results for Dry Weight (Not for Waters)
A0E0668-02	Dry Weight		06/03/20 11:47		1.2651 -	27.0081 -	24.9914 -	92.2 -	Use Results from TS.. Make NR once completed.
A0E0668-02	Solids, Total (SM 254)		06/03/20 11:47		1.2651 ✓	27.0081 ✓	24.9914 ✓	92.2 ✓	Use Results for Dry Weight (Not for Waters)
A0E0668-03	Dry Weight		06/03/20 11:47		1.255 -	30.5547 -	27.7525 -	90.4 -	Use Results from TS.. Make NR once completed.
A0E0668-03	Solids, Total (SM 254)		06/03/20 11:47		1.255 ✓	30.5547 ✓	27.7525 ✓	90.4 ✓	Use Results for Dry Weight (Not for Waters)
A0E0668-04	Dry Weight		06/03/20 11:47		1.2538 -	30.2943 -	26.5503 -	87.1 -	Use Results from TS.. Make NR once completed.
A0E0668-04	Solids, Total (SM 254)		06/03/20 11:47		1.2538 ✓	30.2943 ✓	26.5503 ✓	87.1 ✓	Use Results for Dry Weight (Not for Waters)
0060131-DUP1	QC	A0E0668-04	06/03/20 11:47		1.2666 -	35.0472 -	30.7508 -	87.3 -	
A0E0668-05	Dry Weight		06/03/20 11:47		1.269 -	27.4983 -	24.0926 -	87.0 -	Use Results from TS.. Make NR once completed.
A0E0668-05	Solids, Total (SM 254)		06/03/20 11:47		1.269 ✓	27.4983 ✓	24.0926 ✓	87.0 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-01	Dry Weight		06/03/20 11:47		1.255 -	30.2756 -	16.5436 -	52.7 ✓	Use Results from TS.. Make NR once completed.
A0E0672-01	Solids, Total (SM 254)		06/03/20 11:47		1.255 ✓	30.2756 ✓	16.5436 ✓	52.7 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-02	Dry Weight		06/03/20 11:47		1.2603 -	29.3552 -	17.4219 -	57.5 -	Use Results from TS.. Make NR once completed.
A0E0672-02	Solids, Total (SM 254)		06/03/20 11:47		1.2603 ✓	29.3552 ✓	17.4219 ✓	57.5 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-03	Dry Weight		06/03/20 11:47		1.2604 -	27.4696 -	16.2695 -	57.3 ✓	Use Results from TS.. Make NR once completed.
A0E0672-03	Solids, Total (SM 254)		06/03/20 11:47		1.2604 ✓	27.4696 ✓	16.2695 ✓	57.3 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-04	Dry Weight		06/03/20 11:47		1.2675 -	27.5062 -	16.203 -	56.9 -	Use Results from TS.. Make NR once completed.
A0E0672-04	Solids, Total (SM 254)		06/03/20 11:47		1.2675 ✓	27.5062 ✓	16.203 ✓	56.9 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-05	Dry Weight		06/03/20 11:47		1.2653 -	30.3808 -	23.3987 -	76.0 -	Use Results from TS.. Make NR once completed.
A0E0672-05	Solids, Total (SM 254)		06/03/20 11:47		1.2653 ✓	30.3808 ✓	23.3987 ✓	76.0 ✓	Use Results for Dry Weight (Not for Waters)

Prepared By: MAS Date: 6/4/20 ^{MAS} 6/4/20
6/4/20

Reviewed By: CMZ Date: 6/5/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0060131 (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
A0E0672-06	Dry Weight		06/03/20 11:47		1.2588 -	30.2798 -	16.2233 -	51.6 -	Use Results from TS.. Make NR once completed.
A0E0672-06	Solids, Total (SM 254		06/03/20 11:47		1.2588 ✓	30.2798 ✓	16.2233 ✓	51.6 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-07	Dry Weight		06/03/20 11:47		1.2689 -	30.9765 -	16.3543 -	50.8 -	Use Results from TS.. Make NR once completed.
A0E0672-07	Solids, Total (SM 254		06/03/20 11:47		1.2689 ✓	30.9765 ✓	16.3543 ✓	50.8 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-08	Dry Weight		06/03/20 11:47		1.2643 -	36.2035 -	22.112 -	59.7 -	Use Results from TS.. Make NR once completed.
A0E0672-08	Solids, Total (SM 254		06/03/20 11:47		1.2643 ✓	36.2035 ✓	22.112 -	59.7 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-09	Dry Weight		06/03/20 11:47		1.2674 -	31.775 -	19.3272 -	59.2 ✓	Use Results from TS.. Make NR once completed.
A0E0672-09	Solids, Total (SM 254		06/03/20 11:47		1.2674 -	31.775 ✓	19.3272 -	59.2 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-10	Dry Weight		06/03/20 11:47		1.2635 -	32.4399 -	18.4146 -	55.0 ✓	Use Results from TS.. Make NR once completed.
A0E0672-10	Solids, Total (SM 254		06/03/20 11:47		1.2635 ✓	32.4399 ✓	18.4146 -	55.0 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-11	Dry Weight		06/03/20 11:47		1.2652 -	31.3725 -	18.6149 -	57.6 -	Use Results from TS.. Make NR once completed.
A0E0672-11	Solids, Total (SM 254		06/03/20 11:47		1.2652 -	31.3725 ✓	18.6149 ✓	57.6 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-12	Dry Weight		06/03/20 11:47		1.2708 -	29.2228 -	18.3946 -	61.3 ✓	Use Results from TS.. Make NR once completed.
A0E0672-12	Solids, Total (SM 254		06/03/20 11:47		1.2708 ✓	29.2228 ✓	18.3946 ✓	61.3 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-14	Dry Weight		06/03/20 11:47		1.2595 -	32.1715 -	23.1037 -	70.7 -	Use Results from TS.. Make NR once completed.
A0E0672-14	Solids, Total (SM 254		06/03/20 11:47		1.2595 ✓	32.1715 -	23.1037 ✓	70.7 ✓	Use Results for Dry Weight (Not for Waters)
A0E0672-15	Dry Weight		06/03/20 11:47		1.2643 -	30.4328 -	23.1426 -	75.0 ✓	Use Results from TS.. Make NR once completed.
A0E0672-15	Solids, Total (SM 254		06/03/20 11:47		1.2643 -	30.4328 -	23.1426 ✓	75.0 ✓	Use Results for Dry Weight (Not for Waters)
0060131-DUP2	QC	A0E0672-15	06/03/20 11:47		1.266 -	29.9228 -	22.8275 -	75.2 -	
A0E0672-16	Dry Weight		06/03/20 11:47		1.2731 -	30.0486 -	15.8973 -	50.8 ✓	Use Results from TS.. Make NR once completed.
A0E0672-16	Solids, Total (SM 254		06/03/20 11:47		1.2731 ✓	30.0486 -	15.8973 ✓	50.8 ✓	Use Results for Dry Weight (Not for Waters)

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0060131 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	<u>LogComments</u>
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Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Total Solids Worksheet

Analyst: MAS

Date: 06/03/20

Batch: 0060131

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0E0668-01	1	1.2682	27.8496	25.2874	25.292	
A0E0668-02	2	1.2651	27.0081	24.9914	24.9961	
A0E0668-03	3	1.255	30.5547	27.7525	27.7567	
A0E0668-04	4	1.2538	30.2943	26.5503	26.5541	
0060131-DUP1	5	1.2666	35.0472	30.7508	30.7542	A0E0668-04
A0E0668-05	6	1.269	27.4983	24.0926	24.0958	
A0E0672-01	7	1.255	30.2756	16.5436	16.5492	
A0E0672-02	8	1.2603	29.3552	17.4219	17.4285	
A0E0672-03	9	1.2604	27.4696	16.2695	16.2737	
A0E0672-04	10	1.2675	27.5062	16.203	16.2095	
A0E0672-05	11	1.2653	30.3808	23.3987	23.4038	
A0E0672-06	12	1.2588	30.2798	16.2233	16.2283	
A0E0672-07	13	1.2689	30.9765	16.3543	16.3612	
A0E0672-08	14	1.2643	36.2035	22.112	22.1193	
A0E0672-09	15	1.2674	31.775	19.3272	19.3325	
A0E0672-10	16	1.2635	32.4399	18.4146	18.4207	
A0E0672-11	17	1.2652	31.3725	18.6149	18.6196	
A0E0672-12	18	1.2708	29.2228	18.3946	18.3987	
A0E0672-14	19	1.2595	32.1715	23.1037	23.1082	
A0E0672-15	20	1.2643	30.4328	23.1426	23.147	
0060131-DUP2	21	1.266	29.9228	22.8275	22.8316	A0E0672-15
A0E0672-16	22	1.2731	30.0486	15.8973	15.9009	

Oven Temp at Sample Introduction	103.3		103.2		Constant weight = +/- 50 mg.
Oven Temp at sample removal	103.2		103.3		
Time/date	12:47	6/4	15:30	6/4	

Balance Checksheets

Extractions June 2020
Wet Chem June 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: June
Year: 2020

Alternate Weight/ID used: 1000143395 300g Date Range: 6/1/2020 6/30/2020
10077 0.5g 6/1/2020 6/30/2020

Day/Time	Initials
1 07:02	JAG
2 0801	AJJ
3 07:22	CAM
4 07:08 2e	AJJ
5 7:30	CAM
6	
7	
8 7:20	CAM
9 07:31	AJJ
10 07:40	JAG
11 11:03	CAM
12 8:03	CAM
13	
14	
15 07:33	JAG
16 07:34	JAG
17 07:30	AJJ
18 11:27	CAM
19 12:40	CAM
20	
21	
22 07:15	CAM
23 07:25	CAM
24 07:30	JAG
25 07:33	JAG
26 07:05	AJJ
27	
28	
29 07:35	CAM
30 07:17	AJJ
31	

Weight One	Observed	Weight Two	Observed
	.51		299.96
	0.51		299.99
	0.50		299.96
	0.49		299.94
	0.49		299.95
	0.49		299.94
	0.51		299.99
	.51		300.00
	.51		299.97
	0.50		299.97
	.50		300.01
0.50g	.50	300.00g	299.99
	0.50		299.99
	0.50		299.99
	0.50		299.99
	0.50		299.99
	0.51		300.00
	0.50		299.99
	.50		299.99
	.51		300.01
	0.50		300.01
	0.50		300.00
	0.51		300.01

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: June
Year: 2020

Alternate Weight/ID used: _____
Date Range: _____

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1	1028		99.9997		0.0999		0.0048
2	1014		99.9995		0.1000		0.0050
3	1216		99.9995		0.1000		0.0051
4	1133		99.9990		0.0999		0.0051
5	1029		99.9996		0.1001		0.0049
6							
7							
8	1019		99.9999		0.1001		0.0050
9	1015		99.9994	0.0998	0.0998		0.0050
10	1022		99.9999	0.0999	0.0999		0.0052
11	1015		99.9998	0.0999	0.0999		0.0049
12	1314		100.0001	0.0999	0.0999		0.0049
13	1212		100.0001	0.0999	0.0999		0.0047
14							
15	0900		100.0005	0.0998	0.0998		0.0051
16	1026	100.0000g	100.0001	0.1000g	0.1002	0.0050g	0.0051
17	0717		100.0005	0.1004	0.1004		0.0050
18	1011		100.0000	0.0998	0.0998		0.0051
19	1130		100.0005	0.1002	0.1002		0.0052
20			101.1115 6/22/20				
21							
22	1017		100.0003	0.0999	0.0999		0.0049
23	1018		100.0005	0.1001	0.1001		0.0047
24	1007		100.0003	0.1000	0.1000		0.0051
25	1121		100.0002	0.1000	0.1000		0.0051
26	1003		100.0003	0.998	0.998		0.0052
27							
28							
29	1114		100.0003	0.1000	0.1000		0.0050
30	1016		100.0005	0.1001	0.1001		0.0049
31							