



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 #:
A0B0681**

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 February 2020
Wet Chem February 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: A0B0681

Date: 04/03/2020

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

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

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

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



Estella Rieben,
Quality Systems Manager
Apex Laboratories, LLC

Analytical Report



Apex Laboratories, LLC

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

Tuesday, March 3, 2020

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

RE: A0B0681 - 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 A0B0681, which was received by the laboratory on 10/17/2019 at 2:10:00PM.

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	0.3 degC	Cooler #2	1.8 degC
Cooler #3	3.0 degC		

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

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



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Apex Laboratories, LLC

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

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

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

Project Number: [none]

Project Manager: **Ryan Barth**

Report ID:

A0B0681 - 03 03 20 1454

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-022SC-A-03-04-191016	A0B0681-01	Sediment	10/16/19 13:39	10/17/19 14:10
PDI-022SC-A-04-05-191016	A0B0681-02	Sediment	10/16/19 13:39	10/17/19 14:10
PDI-022SC-A-05-06-191016	A0B0681-03	Sediment	10/16/19 13:39	10/17/19 14:10
PDI-022SC-A-06-07-191016	A0B0681-04	Sediment	10/16/19 13:39	10/17/19 14:10
PDI-059SC-A-11-12-191016	A0B0681-05	Sediment	10/16/19 07:55	10/17/19 14:10

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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: A0B0681 - 03 03 20 1454
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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-022SC-A-03-04-191016 (A0B0681-01RE1)				Matrix: Sediment		Batch: 0020917		C-07	
Aroclor 1016	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1221	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1232	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1242	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1248	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1254	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1260	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1262	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
Aroclor 1268	ND	0.833	1.65	ug/kg dry	1	03/02/20 14:26	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>03/02/20 14:26</i>	<i>EPA 8082A</i>	
PDI-022SC-A-04-05-191016 (A0B0681-02RE1)				Matrix: Sediment		Batch: 0020917		C-07	
Aroclor 1016	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1221	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1232	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1242	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1248	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1254	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1260	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1262	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
Aroclor 1268	ND	0.728	1.44	ug/kg dry	1	03/02/20 15:01	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 40 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>03/02/20 15:01</i>	<i>EPA 8082A</i>	<i>S-03</i>
PDI-022SC-A-05-06-191016 (A0B0681-03RE1)				Matrix: Sediment		Batch: 0020917		C-07	
Aroclor 1016	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1221	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1232	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1242	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1248	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1254	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1260	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1262	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	EPA 8082A		
Aroclor 1268	ND	0.734	1.46	ug/kg dry	1	03/02/20 12:41	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: A0B0681 - 03 03 20 1454
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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-022SC-A-05-06-191016 (A0B0681-03RE1)				Matrix: Sediment		Batch: 0020917		C-07
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>03/02/20 12:41</i>	<i>EPA 8082A</i>
PDI-022SC-A-06-07-191016 (A0B0681-04RE1)				Matrix: Sediment		Batch: 0020917		C-07
Aroclor 1016	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1221	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1232	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1242	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1248	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1254	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1260	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1262	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
Aroclor 1268	ND	0.734	1.46	ug/kg dry	1	03/02/20 14:26	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>03/02/20 14:26</i>	<i>EPA 8082A</i>
PDI-059SC-A-11-12-191016 (A0B0681-05RE1)				Matrix: Sediment		Batch: 0020917		C-07, R-04
Aroclor 1016	ND	12.3	12.3	ug/kg dry	5	03/02/20 15:37	EPA 8082A	R-02
Aroclor 1221	ND	4.34	8.62	ug/kg dry	5	03/02/20 15:37	EPA 8082A	
Aroclor 1232	ND	42.8	42.8	ug/kg dry	5	03/02/20 15:37	EPA 8082A	R-02
Aroclor 1242	ND	17.5	17.5	ug/kg dry	5	03/02/20 15:37	EPA 8082A	R-02
Aroclor 1248	ND	11.0	11.0	ug/kg dry	5	03/02/20 15:37	EPA 8082A	R-02
Aroclor 1254	ND	10.4	10.4	ug/kg dry	5	03/02/20 15:37	EPA 8082A	R-02
Aroclor 1260	ND	11.0	11.0	ug/kg dry	5	03/02/20 15:37	EPA 8082A	R-02
Aroclor 1262	ND	8.62	8.62	ug/kg dry	5	03/02/20 15:37	EPA 8082A	
Aroclor 1268	ND	4.34	8.62	ug/kg dry	5	03/02/20 15:37	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 59 %</i>		<i>Limits: 43-120 %</i>		<i>5</i>	<i>03/02/20 15:37</i>	<i>EPA 8082A</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: A0B0681 - 03 03 20 1454
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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-022SC-A-03-04-191016 (A0B0681-01RE1)				Matrix: Sediment		Batch: 0020823	C-05, H-08, R-04	
2,4'-DDD	ND	2.34	4.68	ug/kg dry	2	02/28/20 16:20	EPA 8081B	
2,4'-DDE	ND	2.34	4.68	ug/kg dry	2	02/28/20 16:20	EPA 8081B	
2,4'-DDT	ND	2.34	4.68	ug/kg dry	2	02/28/20 16:20	EPA 8081B	
4,4'-DDD	ND	2.34	4.68	ug/kg dry	2	02/28/20 16:20	EPA 8081B	
4,4'-DDE	ND	2.34	4.68	ug/kg dry	2	02/28/20 16:20	EPA 8081B	
4,4'-DDT	ND	4.68	4.68	ug/kg dry	2	02/28/20 16:20	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>02/28/20 16:20</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>2</i>	<i>02/28/20 16:20</i>	<i>EPA 8081B</i>
PDI-022SC-A-04-05-191016 (A0B0681-02RE1)				Matrix: Sediment		Batch: 0020823	C-05, H-08, R-04	
2,4'-DDD	ND	5.42	10.8	ug/kg dry	5	02/28/20 17:29	EPA 8081B	
2,4'-DDE	ND	5.42	10.8	ug/kg dry	5	02/28/20 17:29	EPA 8081B	
2,4'-DDT	ND	5.42	10.8	ug/kg dry	5	02/28/20 17:29	EPA 8081B	
4,4'-DDD	ND	5.42	10.8	ug/kg dry	5	02/28/20 17:29	EPA 8081B	
4,4'-DDE	ND	5.42	10.8	ug/kg dry	5	02/28/20 17:29	EPA 8081B	
4,4'-DDT	ND	14.6	14.6	ug/kg dry	5	02/28/20 17:29	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>02/28/20 17:29</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>110 %</i>		<i>55-130 %</i>		<i>5</i>	<i>02/28/20 17:29</i>	<i>EPA 8081B</i>
PDI-022SC-A-05-06-191016 (A0B0681-03RE1)				Matrix: Sediment		Batch: 0020823	C-05, H-08	
2,4'-DDD	ND	1.08	2.15	ug/kg dry	1	02/28/20 14:20	EPA 8081B	
2,4'-DDE	ND	1.08	2.15	ug/kg dry	1	02/28/20 14:20	EPA 8081B	
2,4'-DDT	ND	1.08	2.15	ug/kg dry	1	02/28/20 14:20	EPA 8081B	
4,4'-DDD	ND	1.08	2.15	ug/kg dry	1	02/28/20 14:20	EPA 8081B	
4,4'-DDE	ND	1.08	2.15	ug/kg dry	1	02/28/20 14:20	EPA 8081B	
4,4'-DDT	ND	1.08	2.15	ug/kg dry	1	02/28/20 14:20	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 53 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>02/28/20 14:20</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>76 %</i>		<i>55-130 %</i>		<i>1</i>	<i>02/28/20 14:20</i>	<i>EPA 8081B</i>
PDI-022SC-A-06-07-191016 (A0B0681-04RE1)				Matrix: Sediment		Batch: 0020823	C-05, H-08	
2,4'-DDD	ND	1.04	2.08	ug/kg dry	1	02/28/20 14:37	EPA 8081B	
2,4'-DDE	ND	1.04	2.08	ug/kg dry	1	02/28/20 14:37	EPA 8081B	
2,4'-DDT	ND	1.04	2.08	ug/kg dry	1	02/28/20 14:37	EPA 8081B	
4,4'-DDD	ND	1.04	2.08	ug/kg dry	1	02/28/20 14:37	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: A0B0681 - 03 03 20 1454
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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-022SC-A-06-07-191016 (A0B0681-04RE1)				Matrix: Sediment		Batch: 0020823		C-05, H-08	
4,4'-DDE	ND	1.04	2.08	ug/kg dry	1	02/28/20 14:37	EPA 8081B		
4,4'-DDT	ND	1.04	2.08	ug/kg dry	1	02/28/20 14:37	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 57 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>02/28/20 14:37</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>82 %</i>		<i>55-130 %</i>		<i>1</i>	<i>02/28/20 14:37</i>	<i>EPA 8081B</i>	
PDI-059SC-A-11-12-191016 (A0B0681-05RE1)				Matrix: Sediment		Batch: 0020823		C-05, H-08, R-04	
2,4'-DDD	ND	60.5	121	ug/kg dry	50	02/28/20 19:46	EPA 8081B		
2,4'-DDE	ND	60.5	121	ug/kg dry	50	02/28/20 19:46	EPA 8081B		
2,4'-DDT	ND	60.5	121	ug/kg dry	50	02/28/20 19:46	EPA 8081B		
4,4'-DDD	ND	60.5	121	ug/kg dry	50	02/28/20 19:46	EPA 8081B		
4,4'-DDE	ND	60.5	121	ug/kg dry	50	02/28/20 19:46	EPA 8081B		
4,4'-DDT	ND	139	139	ug/kg dry	50	02/28/20 19:46	EPA 8081B	R-02	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>50</i>	<i>02/28/20 19:46</i>	<i>EPA 8081B</i>	<i>S-05</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>183 %</i>		<i>55-130 %</i>		<i>50</i>	<i>02/28/20 19:46</i>	<i>EPA 8081B</i>	<i>S-05</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: A0B0681 - 03 03 20 1454
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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-022SC-A-03-04-191016 (A0B0681-01)			Matrix: Sediment		Batch: 0020795		H-08		
Acenaphthene	1220	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Acenaphthylene	750	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Anthracene	3020	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Benz(a)anthracene	2550	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Benzo(a)pyrene	3340	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Benzo(b)fluoranthene	2920	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Benzo(k)fluoranthene	997	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D	M-05	
Benzo(g,h,i)perylene	2670	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Chrysene	3650	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Dibenz(a,h)anthracene	ND	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Fluoranthene	10600	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Fluorene	1230	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Indeno(1,2,3-cd)pyrene	2300	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
2-Methylnaphthalene	ND	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
Naphthalene	ND	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D	Q-42, Q-37	
Phenanthrene	13100	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D	B-02, Q-29	
Pyrene	12100	296	592	ug/kg dry	200	02/26/20 16:41	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 44-115 %</i>		<i>200</i>	<i>02/26/20 16:41</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>102 %</i>		<i>54-127 %</i>		<i>200</i>	<i>02/26/20 16:41</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-022SC-A-04-05-191016 (A0B0681-02)			Matrix: Sediment		Batch: 0020795		H-08	
Acenaphthene	19600	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Acenaphthylene	10800	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Anthracene	29000	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Benz(a)anthracene	29600	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Benzo(a)pyrene	41400	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Benzo(b)fluoranthene	38300	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Benzo(k)fluoranthene	13000	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	M-05
Benzo(g,h,i)perylene	36900	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Chrysene	41800	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Dibenz(a,h)anthracene	3260	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Fluoranthene	138000	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	
Fluorene	15600	1330	2660	ug/kg dry	1000	02/27/20 09:46	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-022SC-A-04-05-191016 (A0B0681-02)				Matrix: Sediment		Batch: 0020795		H-08	
Indeno(1,2,3-cd)pyrene	30600	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D		
2-Methylnaphthalene	ND	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D		
Naphthalene	1370	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	J, B	
Phenanthrene	183000	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D	B-02, Q-29	
Pyrene	173000	1330	2660	ug/kg dry	1000	02/27/20 09:46	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 122 %</i>		<i>Limits: 44-115 %</i>		<i>1000</i>	<i>02/27/20 09:46</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>180 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>02/27/20 09:46</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-022SC-A-05-06-191016 (A0B0681-03RE1)				Matrix: Sediment		Batch: 0020865		H-08	
Acenaphthene	12.5	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Acenaphthylene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Anthracene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Benz(a)anthracene	1.49	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D	J	
Benzo(a)pyrene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Benzo(b)fluoranthene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Benzo(k)fluoranthene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Benzo(g,h,i)perylene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Chrysene	2.03	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D	J	
Dibenz(a,h)anthracene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Fluoranthene	16.7	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D	Q-42	
Fluorene	6.92	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Indeno(1,2,3-cd)pyrene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
2-Methylnaphthalene	ND	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D		
Naphthalene	1.35	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D	J	
Phenanthrene	23.4	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D	Q-42	
Pyrene	41.0	1.29	2.57	ug/kg dry	1	02/28/20 11:36	EPA 8270D	Q-42	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-115 %</i>		<i>1</i>	<i>02/28/20 11:36</i>	<i>EPA 8270D</i>	
<i>p-Terphenyl-d14 (Surr)</i>		<i>101 %</i>		<i>54-127 %</i>		<i>1</i>	<i>02/28/20 11:36</i>	<i>EPA 8270D</i>	

PDI-022SC-A-06-07-191016 (A0B0681-04RE1)				Matrix: Sediment		Batch: 0020865		H-08
Acenaphthene	6.80	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Acenaphthylene	ND	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Anthracene	2.06	1.31	2.63	ug/kg dry	1	02/28/20 12:40	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-022SC-A-06-07-191016 (A0B0681-04RE1)			Matrix: Sediment		Batch: 0020865		H-08	
Benz(a)anthracene	1.54	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	J
Benzo(a)pyrene	1.88	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	J
Benzo(b)fluoranthene	1.66	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	J
Benzo(k)fluoranthene	ND	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Benzo(g,h,i)perylene	1.74	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	J
Chrysene	3.06	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Dibenz(a,h)anthracene	ND	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Fluoranthene	6.00	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Fluorene	3.61	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Indeno(1,2,3-cd)pyrene	1.38	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	J
2-Methylnaphthalene	ND	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Naphthalene	ND	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Phenanthrene	12.4	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
Pyrene	10.5	1.31	2.63	ug/kg dry	1	02/28/20 12:40	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 90 %</i>		<i>Limits: 44-115 %</i>		<i>1</i>	<i>02/28/20 12:40</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>101 %</i>		<i>54-127 %</i>		<i>1</i>	<i>02/28/20 12:40</i>	<i>EPA 8270D</i>

PDI-059SC-A-11-12-191016 (A0B0681-05)			Matrix: Sediment		Batch: 0020795		H-08	
Acenaphthene	1180000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Acenaphthylene	163000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	J
Anthracene	402000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Benz(a)anthracene	290000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	J
Benzo(a)pyrene	374000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Benzo(b)fluoranthene	340000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Benzo(k)fluoranthene	ND	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Benzo(g,h,i)perylene	327000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Chrysene	326000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Dibenz(a,h)anthracene	ND	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Fluoranthene	1290000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Fluorene	593000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Indeno(1,2,3-cd)pyrene	276000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	J
2-Methylnaphthalene	1910000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
Naphthalene	7150000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	B

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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-059SC-A-11-12-191016 (A0B0681-05)				Matrix: Sediment		Batch: 0020795		H-08
Phenanthrene	2770000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	B-02, Q-29
Pyrene	1590000	157000	313000	ug/kg dry	100000	02/26/20 20:57	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>			<i>Recovery: %</i>	<i>Limits: 44-115 %</i>	<i>100000</i>	<i>02/26/20 20:57</i>	<i>EPA 8270D</i>	<i>S-01</i>
<i>p-Terphenyl-d14 (Surr)</i>			<i>8900 %</i>	<i>54-127 %</i>	<i>100000</i>	<i>02/26/20 20:57</i>	<i>EPA 8270D</i>	<i>S-05</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-022SC-A-03-04-191016 (A0B0681-01)				Matrix: Sediment				
Batch: 0020837								
Total Organic Carbon	0.074	0.020	0.020	% by Weight	1	02/28/20 01:57	SM 5310 B MOD	H-08
PDI-022SC-A-04-05-191016 (A0B0681-02)				Matrix: Sediment				
Batch: 0020837								
Total Organic Carbon	0.40	0.020	0.020	% by Weight	1	02/28/20 01:57	SM 5310 B MOD	H-08
PDI-022SC-A-05-06-191016 (A0B0681-03)				Matrix: Sediment				
Batch: 0020837								
Total Organic Carbon	0.038	0.020	0.020	% by Weight	1	02/28/20 02:08	SM 5310 B MOD	H-08
PDI-022SC-A-06-07-191016 (A0B0681-04)				Matrix: Sediment				
Batch: 0020837								
Total Organic Carbon	0.035	0.020	0.020	% by Weight	1	02/28/20 02:18	SM 5310 B MOD	H-08
PDI-059SC-A-11-12-191016 (A0B0681-05)				Matrix: Sediment				
Batch: 0020837								
Total Organic Carbon	2.8	0.020	0.020	% by Weight	1	02/28/20 02:29	SM 5310 B MOD	H-08

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-022SC-A-03-04-191016 (A0B0681-01)				Matrix: Sediment				
Batch: 0020801								
Total Solids	79.6	1.00	1.00	% by Weight	1	02/27/20 18:18	SM 2540 G	
PDI-022SC-A-04-05-191016 (A0B0681-02)				Matrix: Sediment				
Batch: 0020801								
Total Solids	89.6	1.00	1.00	% by Weight	1	02/27/20 18:18	SM 2540 G	
PDI-022SC-A-05-06-191016 (A0B0681-03)				Matrix: Sediment				
Batch: 0020801								
Total Solids	91.2	1.00	1.00	% by Weight	1	02/27/20 18:18	SM 2540 G	
PDI-022SC-A-06-07-191016 (A0B0681-04)				Matrix: Sediment				
Batch: 0020801								
Total Solids	90.8	1.00	1.00	% by Weight	1	02/27/20 18:18	SM 2540 G	
PDI-059SC-A-11-12-191016 (A0B0681-05)				Matrix: Sediment				
Batch: 0020801								
Total Solids	76.5	1.00	1.00	% by Weight	1	02/27/20 18:18	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 0020917 - EPA 3546												
Sediment												
Blank (0020917-BLK1) Prepared: 03/02/20 07:03 Analyzed: 03/02/20 12:41 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: 88 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS (0020917-BS1) Prepared: 03/02/20 07:03 Analyzed: 03/02/20 12:58 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	59.1	0.670	1.33	ug/kg wet	1	83.3	---	71	47-134%	---	---	
Aroclor 1260	74.3	0.670	1.33	ug/kg wet	1	83.3	---	89	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Duplicate (0020917-DUP2) Prepared: 03/02/20 07:03 Analyzed: 03/02/20 17:24 C-07												
<u>QC Source Sample: Non-SDG (A0B0680-01RE3)</u>												
Aroclor 1016	ND	5.94	11.8	ug/kg dry	5	---	ND	---	---	---	30%	
Aroclor 1221	ND	5.94	11.8	ug/kg dry	5	---	ND	---	---	---	30%	
Aroclor 1232	ND	5.94	11.8	ug/kg dry	5	---	ND	---	---	---	30%	
Aroclor 1242	10.7	5.94	11.8	ug/kg dry	5	---	13.4	---	---	22	30%	J
Aroclor 1248	ND	5.94	11.8	ug/kg dry	5	---	ND	---	---	---	30%	
Aroclor 1254	11.5	5.94	11.8	ug/kg dry	5	---	17.0	---	---	39	30%	Q-05, J
Aroclor 1260	11.1	5.94	11.8	ug/kg dry	5	---	16.3	---	---	38	30%	Q-05, J
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 32 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 5x</i>						S-03
Matrix Spike (0020917-MS1) Prepared: 03/02/20 07:03 Analyzed: 03/02/20 13:16 C-07												
<u>QC Source Sample: PDI-022SC-A-05-06-191016 (A0B0681-03RE1)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	54.2	0.732	1.45	ug/kg dry	1	91.1	ND	59	47-134%	---	---	

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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 0020917 - EPA 3546						Sediment						
Matrix Spike (0020917-MS1)						Prepared: 03/02/20 07:03 Analyzed: 03/02/20 13:16						C-07
QC Source Sample: PDI-022SC-A-05-06-191016 (A0B0681-03RE1)												
Aroclor 1260	77.1	0.732	1.45	ug/kg dry	1	91.1	ND	85	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (0020917-MSD1)						Prepared: 03/02/20 07:03 Analyzed: 03/02/20 13:51						C-07
QC Source Sample: PDI-022SC-A-05-06-191016 (A0B0681-03RE1)												
EPA 8082A												
Aroclor 1016	56.6	0.734	1.46	ug/kg dry	1	91.2	ND	62	47-134%	4	30%	
Aroclor 1260	77.7	0.734	1.46	ug/kg dry	1	91.2	ND	85	53-140%	0.9	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</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:
A0B0681 - 03 03 20 1454

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 0020823 - EPA 3546/3640A (GPC) Sediment												
Blank (0020823-BLK1) Prepared: 02/26/20 10:14 Analyzed: 02/28/20 13:45 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 67 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		82 %		55-130 %		"						
LCS (0020823-BS1) Prepared: 02/26/20 10:14 Analyzed: 02/28/20 14:02 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	40.8	1.00	2.00	ug/kg wet	1	50.0	---	82	50-150%	---	---	
2,4'-DDE	38.9	1.00	2.00	ug/kg wet	1	50.0	---	78	50-150%	---	---	
2,4'-DDT	50.4	1.00	2.00	ug/kg wet	1	50.0	---	101	50-150%	---	---	
4,4'-DDD	45.7	1.00	2.00	ug/kg wet	1	50.0	---	91	50-150%	---	---	
4,4'-DDE	43.8	1.00	2.00	ug/kg wet	1	50.0	---	88	50-150%	---	---	
4,4'-DDT	55.7	1.00	2.00	ug/kg wet	1	50.0	---	111	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 69 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		86 %		55-130 %		"						
Duplicate (0020823-DUP1) Prepared: 02/26/20 10:14 Analyzed: 02/28/20 18:37 C-05, H-08, R-04												
<u>QC Source Sample: PDI-022SC-A-04-05-191016 (A0B0681-02RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	ND	5.41	10.8	ug/kg dry	5	---	ND	---	---	---	30%	
2,4'-DDE	ND	5.41	10.8	ug/kg dry	5	---	ND	---	---	---	30%	
2,4'-DDT	ND	5.41	10.8	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDD	ND	5.41	10.8	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDE	ND	5.41	10.8	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDT	ND	20.0	20.0	ug/kg dry	5	---	ND	---	---	---	30%	R-02
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 69 %		Limits: 42-129 %		Dilution: 5x						
Decachlorobiphenyl (Surr)		111 %		55-130 %		"						

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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: A0B0681 - 03 03 20 1454
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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 0020823 - EPA 3546/3640A (GPC) Sediment												
Matrix Spike (0020823-MS1) Prepared: 02/26/20 10:14 Analyzed: 02/28/20 14:54 C-05, H-08												
QC Source Sample: PDI-022SC-A-06-07-191016 (A0B0681-04RE1)												
EPA 8081B												
2,4'-DDD	36.7	1.03	2.07	ug/kg dry	1	51.6	ND	71	50-150%	---	---	
2,4'-DDE	29.6	1.03	2.07	ug/kg dry	1	51.6	ND	57	50-150%	---	---	
2,4'-DDT	44.0	1.03	2.07	ug/kg dry	1	51.6	ND	85	50-150%	---	---	
4,4'-DDD	42.5	1.03	2.07	ug/kg dry	1	51.6	ND	82	50-150%	---	---	
4,4'-DDE	34.7	1.03	2.07	ug/kg dry	1	51.6	ND	67	50-150%	---	---	
4,4'-DDT	50.3	1.03	2.07	ug/kg dry	1	51.6	ND	97	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr) Recovery: 48 % Limits: 42-129 % Dilution: 1x</i>												
<i>Decachlorobiphenyl (Surr) 79 % 55-130 % "</i>												

Matrix Spike Dup (0020823-MSD1) Prepared: 02/26/20 10:14 Analyzed: 02/28/20 15:11 C-05, H-08												
QC Source Sample: PDI-022SC-A-06-07-191016 (A0B0681-04RE1)												
EPA 8081B												
2,4'-DDD	41.3	1.05	2.10	ug/kg dry	1	52.6	ND	79	50-150%	12	35%	
2,4'-DDE	34.5	1.05	2.10	ug/kg dry	1	52.6	ND	66	50-150%	15	35%	
2,4'-DDT	47.9	1.05	2.10	ug/kg dry	1	52.6	ND	91	50-150%	9	35%	
4,4'-DDD	48.6	1.05	2.10	ug/kg dry	1	52.6	ND	93	50-150%	14	30%	
4,4'-DDE	38.3	1.05	2.10	ug/kg dry	1	52.6	ND	73	50-150%	10	30%	
4,4'-DDT	57.0	1.05	2.10	ug/kg dry	1	52.6	ND	108	50-150%	13	30%	
<i>Surr: 2,4,5,6-TCMX (Surr) Recovery: 50 % Limits: 42-129 % Dilution: 1x</i>												
<i>Decachlorobiphenyl (Surr) 79 % 55-130 % "</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: A0B0681 - 03 03 20 1454
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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 0020795 - EPA 3546												
Sediment												
Blank (0020795-BLK1)												
Prepared: 02/26/20 10:13 Analyzed: 02/26/20 15:37												
<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	2.45	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	B
Phenanthrene	1.66	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	B-02, J
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 85 %</i>		<i>Limits: 44-115 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>99 %</i>		<i>54-127 %</i>		<i>"</i>						

LCS (0020795-BS1)												
Prepared: 02/26/20 10:13 Analyzed: 02/26/20 16:09												
<u>EPA 8270D</u>												
Acenaphthene	17.4	1.25	2.50	ug/kg wet	1	20.0	---	87	40-122%	---	---	
Acenaphthylene	15.2	1.25	2.50	ug/kg wet	1	20.0	---	76	32-132%	---	---	
Anthracene	16.7	1.25	2.50	ug/kg wet	1	20.0	---	83	47-123%	---	---	
Benz(a)anthracene	17.4	1.25	2.50	ug/kg wet	1	20.0	---	87	49-126%	---	---	
Benzo(a)pyrene	17.9	1.25	2.50	ug/kg wet	1	20.0	---	90	45-129%	---	---	
Benzo(b)fluoranthene	18.3	1.25	2.50	ug/kg wet	1	20.0	---	92	45-132%	---	---	
Benzo(k)fluoranthene	17.9	1.25	2.50	ug/kg wet	1	20.0	---	89	47-132%	---	---	
Benzo(g,h,i)perylene	17.8	1.25	2.50	ug/kg wet	1	20.0	---	89	43-134%	---	---	
Chrysene	18.7	1.25	2.50	ug/kg wet	1	20.0	---	93	50-124%	---	---	
Dibenz(a,h)anthracene	18.5	1.25	2.50	ug/kg wet	1	20.0	---	92	45-134%	---	---	
Fluoranthene	22.5	1.25	2.50	ug/kg wet	1	20.0	---	113	50-127%	---	---	

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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: A0B0681 - 03 03 20 1454
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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 0020795 - EPA 3546												
Sediment												
LCS (0020795-BS1)												
Prepared: 02/26/20 10:13 Analyzed: 02/26/20 16:09												
Fluorene	16.4	1.25	2.50	ug/kg wet	1	20.0	---	82	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	17.3	1.25	2.50	ug/kg wet	1	20.0	---	87	45-133%	---	---	
2-Methylnaphthalene	14.5	1.25	2.50	ug/kg wet	1	20.0	---	72	38-122%	---	---	
Naphthalene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	96	35-123%	---	---	B
Phenanthrene	25.1	1.25	2.50	ug/kg wet	1	20.0	---	125	50-121%	---	---	B-02, Q-29
Pyrene	21.6	1.25	2.50	ug/kg wet	1	20.0	---	108	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr) Recovery: 80 % Limits: 44-115 % Dilution: 1x												
p-Terphenyl-d14 (Surr) 91 % 54-127 % "												

Duplicate (0020795-DUP1)												
Prepared: 02/26/20 10:13 Analyzed: 02/26/20 17:14												
QC Source Sample: PDI-022SC-A-03-04-191016 (A0B0681-01)												
EPA 8270D												
Acenaphthene	1560	303	606	ug/kg dry	200	---	1220	---	---	24	30%	
Acenaphthylene	879	303	606	ug/kg dry	200	---	750	---	---	16	30%	
Anthracene	2850	303	606	ug/kg dry	200	---	3020	---	---	6	30%	
Benz(a)anthracene	2800	303	606	ug/kg dry	200	---	2550	---	---	9	30%	
Benzo(a)pyrene	3720	303	606	ug/kg dry	200	---	3340	---	---	11	30%	
Benzo(b)fluoranthene	3230	303	606	ug/kg dry	200	---	2920	---	---	10	30%	
Benzo(k)fluoranthene	1240	303	606	ug/kg dry	200	---	997	---	---	22	30%	
Benzo(g,h,i)perylene	3030	303	606	ug/kg dry	200	---	2670	---	---	12	30%	
Chrysene	3550	303	606	ug/kg dry	200	---	3650	---	---	3	30%	
Dibenz(a,h)anthracene	ND	303	606	ug/kg dry	200	---	ND	---	---	---	30%	
Fluoranthene	12200	303	606	ug/kg dry	200	---	10600	---	---	14	30%	
Fluorene	1460	303	606	ug/kg dry	200	---	1230	---	---	17	30%	
Indeno(1,2,3-cd)pyrene	2620	303	606	ug/kg dry	200	---	2300	---	---	13	30%	
2-Methylnaphthalene	ND	303	606	ug/kg dry	200	---	ND	---	---	---	30%	
Naphthalene	2840	303	606	ug/kg dry	200	---	ND	---	---		30%	B, Q-17
Phenanthrene	15000	303	606	ug/kg dry	200	---	13100	---	---	14	30%	B-02, Q-29
Pyrene	14400	303	606	ug/kg dry	200	---	12100	---	---	17	30%	
Surr: 2-Fluorobiphenyl (Surr) Recovery: 77 % Limits: 44-115 % Dilution: 200x												
p-Terphenyl-d14 (Surr) 95 % 54-127 % "												

Matrix Spike (0020795-MS1)											
Prepared: 02/26/20 10:13 Analyzed: 02/26/20 21:29											

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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: A0B0681 - 03 03 20 1454
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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 0020795 - EPA 3546												
Sediment												
Matrix Spike (0020795-MS1) Prepared: 02/26/20 10:13 Analyzed: 02/26/20 21:29 H-08												
QC Source Sample: PDI-059SC-A-11-12-191016 (A0B0681-05)												
EPA 8270D												
Acenaphthene	1260000	158000	316000	ug/kg dry	100000	25.3	1180000	313000	40-122%	---	---	Q-11
Acenaphthylene	183000	158000	316000	ug/kg dry	100000	25.3	163000	77200	32-132%	---	---	Q-11, J
Anthracene	421000	158000	316000	ug/kg dry	100000	25.3	402000	74400	47-123%	---	---	Q-11
Benz(a)anthracene	292000	158000	316000	ug/kg dry	100000	25.3	290000	5590	49-126%	---	---	Q-11, J
Benzo(a)pyrene	380000	158000	316000	ug/kg dry	100000	25.3	374000	24300	45-129%	---	---	Q-11
Benzo(b)fluoranthene	351000	158000	316000	ug/kg dry	100000	25.3	340000	41800	45-132%	---	---	Q-11
Benzo(k)fluoranthene	ND	158000	316000	ug/kg dry	100000	25.3	ND		47-132%	---	---	Q-11
Benzo(g,h,i)perylene	339000	158000	316000	ug/kg dry	100000	25.3	327000	47500	43-134%	---	---	Q-11
Chrysene	367000	158000	316000	ug/kg dry	100000	25.3	326000	161000	50-124%	---	---	Q-11
Dibenz(a,h)anthracene	ND	158000	316000	ug/kg dry	100000	25.3	ND		45-134%	---	---	Q-11
Fluoranthene	1410000	158000	316000	ug/kg dry	100000	25.3	1290000	456000	50-127%	---	---	Q-11
Fluorene	630000	158000	316000	ug/kg dry	100000	25.3	593000	144000	43-125%	---	---	Q-11
Indeno(1,2,3-cd)pyrene	298000	158000	316000	ug/kg dry	100000	25.3	276000	88000	45-133%	---	---	Q-11, J
2-Methylnaphthalene	2060000	158000	316000	ug/kg dry	100000	25.3	1910000	588000	38-122%	---	---	Q-11
Naphthalene	7800000	158000	316000	ug/kg dry	100000	25.3	7150000	2560000	35-123%	---	---	Q-11, B
Phenanthrene	3050000	158000	316000	ug/kg dry	100000	25.3	2770000	1140000	50-121%	---	---	Q-11, Q-29, B-02
Pyrene	1720000	158000	316000	ug/kg dry	100000	25.3	1590000	548000	47-127%	---	---	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: %</i>		<i>Limits: 44-115 %</i>		<i>Dilution: 100000x</i>						S-01
<i>p-Terphenyl-d14 (Surr)</i>		<i>%</i>		<i>54-127 %</i>		<i>"</i>						S-01

Matrix Spike Dup (0020795-MSD1) Prepared: 02/26/20 10:13 Analyzed: 02/26/20 22:01 H-08												
QC Source Sample: PDI-059SC-A-11-12-191016 (A0B0681-05)												
EPA 8270D												
Acenaphthene	887000	156000	312000	ug/kg dry	100000	25.0	1180000	-1190000	40-122%	35	30%	Q-11
Acenaphthylene	ND	156000	312000	ug/kg dry	100000	25.0	163000	-654000	32-132%	200	30%	Q-11
Anthracene	307000	156000	312000	ug/kg dry	100000	25.0	402000	-382000	47-123%	31	30%	Q-11, J
Benz(a)anthracene	218000	156000	312000	ug/kg dry	100000	25.0	290000	-287000	49-126%	29	30%	Q-11, J
Benzo(a)pyrene	274000	156000	312000	ug/kg dry	100000	25.0	374000	-400000	45-129%	32	30%	Q-11, J
Benzo(b)fluoranthene	241000	156000	312000	ug/kg dry	100000	25.0	340000	-399000	45-132%	37	30%	Q-11, J
Benzo(k)fluoranthene	ND	156000	312000	ug/kg dry	100000	25.0	ND		47-132%		30%	Q-11
Benzo(g,h,i)perylene	243000	156000	312000	ug/kg dry	100000	25.0	327000	-337000	43-134%	33	30%	Q-11, J

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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:
A0B0681 - 03 03 20 1454

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 0020795 - EPA 3546												
Sediment												
Matrix Spike Dup (0020795-MSD1)												
						Prepared: 02/26/20 10:13 Analyzed: 02/26/20 22:01				H-08		
QC Source Sample: PDI-059SC-A-11-12-191016 (A0B0681-05)												
Chrysene	258000	156000	312000	ug/kg dry	100000	25.0	326000	-270000	50-124%	35	30%	Q-11, J
Dibenz(a,h)anthracene	ND	156000	312000	ug/kg dry	100000	25.0	ND		45-134%		30%	Q-11
Fluoranthene	978000	156000	312000	ug/kg dry	100000	25.0	1290000	-1270000	50-127%	36	30%	Q-11
Fluorene	450000	156000	312000	ug/kg dry	100000	25.0	593000	-572000	43-125%	33	30%	Q-11
Indeno(1,2,3-cd)pyrene	206000	156000	312000	ug/kg dry	100000	25.0	276000	-279000	45-133%	36	30%	Q-11, J
2-Methylnaphthalene	1400000	156000	312000	ug/kg dry	100000	25.0	1910000	-2010000	38-122%	38	30%	Q-11
Naphthalene	5480000	156000	312000	ug/kg dry	100000	25.0	7150000	-6700000	35-123%	35	30%	B, Q-11
Phenanthrene	2170000	156000	312000	ug/kg dry	100000	25.0	2770000	-2400000	50-121%	34	30%	Q-11, Q-29, B-02, Q-11
Pyrene	1260000	156000	312000	ug/kg dry	100000	25.0	1590000	-1290000	47-127%	31	30%	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: %</i>		<i>Limits: 44-115 %</i>		<i>Dilution: 100000x</i>				S-01		
<i>p-Terphenyl-d14 (Surr)</i>		<i>%</i>		<i>54-127 %</i>		<i>"</i>				S-01		

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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: A0B0681 - 03 03 20 1454
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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 0020865 - EPA 3546												
Sediment												
Blank (0020865-BLK1)												
Prepared: 02/27/20 13:10 Analyzed: 02/28/20 10:32												
<u>EPA 8270D</u>												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 87 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>105 %</i>		<i>54-127 %</i>		<i>"</i>						

LCS (0020865-BS1)												
Prepared: 02/27/20 13:10 Analyzed: 02/28/20 11:04												
<u>EPA 8270D</u>												
Acenaphthene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	40-123%	---	---	
Acenaphthylene	17.7	1.25	2.50	ug/kg wet	1	20.0	---	88	32-132%	---	---	
Anthracene	18.0	1.25	2.50	ug/kg wet	1	20.0	---	90	47-123%	---	---	
Benz(a)anthracene	18.0	1.25	2.50	ug/kg wet	1	20.0	---	90	49-126%	---	---	
Benzo(a)pyrene	18.7	1.25	2.50	ug/kg wet	1	20.0	---	93	45-129%	---	---	
Benzo(b)fluoranthene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	45-132%	---	---	
Benzo(k)fluoranthene	19.3	1.25	2.50	ug/kg wet	1	20.0	---	96	47-132%	---	---	
Benzo(g,h,i)perylene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	43-134%	---	---	
Chrysene	19.8	1.25	2.50	ug/kg wet	1	20.0	---	99	50-124%	---	---	
Dibenz(a,h)anthracene	19.6	1.25	2.50	ug/kg wet	1	20.0	---	98	45-134%	---	---	
Fluoranthene	21.1	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 0020865 - EPA 3546												
Sediment												
LCS (0020865-BS1)												
Prepared: 02/27/20 13:10 Analyzed: 02/28/20 11:04												
Fluorene	17.9	1.25	2.50	ug/kg wet	1	20.0	---	90	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	18.5	1.25	2.50	ug/kg wet	1	20.0	---	92	45-133%	---	---	
2-Methylnaphthalene	16.3	1.25	2.50	ug/kg wet	1	20.0	---	81	38-122%	---	---	
Naphthalene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	35-123%	---	---	
Phenanthrene	19.6	1.25	2.50	ug/kg wet	1	20.0	---	98	50-121%	---	---	
Pyrene	20.7	1.25	2.50	ug/kg wet	1	20.0	---	103	47-127%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>106 %</i>		<i>54-127 %</i>		<i>"</i>						

Duplicate (0020865-DUP1)												
Prepared: 02/27/20 13:10 Analyzed: 02/28/20 12:08												
H-08												
QC Source Sample: PDI-022SC-A-06-07-191016 (A0B0681-04RE1)												
EPA 8270D												
Acenaphthene	4.31	1.32	2.64	ug/kg dry	1	---	6.80	---	---	45	30%	Q-05
Acenaphthylene	ND	1.32	2.64	ug/kg dry	1	---	ND	---	---	---	30%	
Anthracene	3.34	1.32	2.64	ug/kg dry	1	---	2.06	---	---	47	30%	Q-05
Benz(a)anthracene	2.72	1.32	2.64	ug/kg dry	1	---	1.54	---	---	55	30%	Q-05
Benzo(a)pyrene	3.47	1.32	2.64	ug/kg dry	1	---	1.88	---	---	60	30%	Q-05
Benzo(b)fluoranthene	3.31	1.32	2.64	ug/kg dry	1	---	1.66	---	---	67	30%	Q-05
Benzo(k)fluoranthene	1.56	1.32	2.64	ug/kg dry	1	---	ND	---	---	30%		Q-05, J
Benzo(g,h,i)perylene	2.84	1.32	2.64	ug/kg dry	1	---	1.74	---	---	48	30%	Q-05
Chrysene	5.71	1.32	2.64	ug/kg dry	1	---	3.06	---	---	60	30%	Q-05
Dibenz(a,h)anthracene	ND	1.32	2.64	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	9.59	1.32	2.64	ug/kg dry	1	---	6.00	---	---	46	30%	Q-05
Fluorene	3.39	1.32	2.64	ug/kg dry	1	---	3.61	---	---	6	30%	
Indeno(1,2,3-cd)pyrene	2.49	1.32	2.64	ug/kg dry	1	---	1.38	---	---	58	30%	Q-05, J
2-Methylnaphthalene	ND	1.32	2.64	ug/kg dry	1	---	ND	---	---	---	30%	
Naphthalene	5.80	1.32	2.64	ug/kg dry	1	---	ND	---	---	30%		Q-05
Phenanthrene	14.4	1.32	2.64	ug/kg dry	1	---	12.4	---	---	14	30%	
Pyrene	15.1	1.32	2.64	ug/kg dry	1	---	10.5	---	---	36	30%	Q-05
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>105 %</i>		<i>54-127 %</i>		<i>"</i>						

Matrix Spike (0020865-MS1)												
Prepared: 02/27/20 13:10 Analyzed: 02/28/20 13:13												
H-08												

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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 0020865 - EPA 3546												
Sediment												
Matrix Spike (0020865-MS1) Prepared: 02/27/20 13:10 Analyzed: 02/28/20 13:13 H-08												
QC Source Sample: PDI-022SC-A-05-06-191016 (A0B0681-03RE1)												
EPA 8270D												
Acenaphthene	27.8	1.28	2.57	ug/kg dry	1	20.6	12.5	74	40-123%	---	---	
Acenaphthylene	21.3	1.28	2.57	ug/kg dry	1	20.6	ND	104	32-132%	---	---	
Anthracene	23.0	1.28	2.57	ug/kg dry	1	20.6	ND	112	47-123%	---	---	
Benz(a)anthracene	27.1	1.28	2.57	ug/kg dry	1	20.6	1.49	124	49-126%	---	---	
Benzo(a)pyrene	31.4	1.28	2.57	ug/kg dry	1	20.6	ND	153	45-129%	---	---	Q-01
Benzo(b)fluoranthene	29.0	1.28	2.57	ug/kg dry	1	20.6	ND	141	45-132%	---	---	Q-01
Benzo(k)fluoranthene	22.2	1.28	2.57	ug/kg dry	1	20.6	ND	108	47-132%	---	---	
Benzo(g,h,i)perylene	30.3	1.28	2.57	ug/kg dry	1	20.6	ND	148	43-134%	---	---	Q-01
Chrysene	30.2	1.28	2.57	ug/kg dry	1	20.6	2.03	137	50-124%	---	---	Q-01
Dibenz(a,h)anthracene	18.7	1.28	2.57	ug/kg dry	1	20.6	ND	91	45-134%	---	---	
Fluoranthene	57.2	1.28	2.57	ug/kg dry	1	20.6	16.7	197	50-127%	---	---	Q-01
Fluorene	25.7	1.28	2.57	ug/kg dry	1	20.6	6.92	92	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	27.8	1.28	2.57	ug/kg dry	1	20.6	ND	135	45-133%	---	---	Q-01
2-Methylnaphthalene	21.3	1.28	2.57	ug/kg dry	1	20.6	ND	103	38-122%	---	---	
Naphthalene	27.0	1.28	2.57	ug/kg dry	1	20.6	1.35	125	35-123%	---	---	Q-01
Phenanthrene	58.5	1.28	2.57	ug/kg dry	1	20.6	23.4	171	50-121%	---	---	Q-01
Pyrene	72.3	1.28	2.57	ug/kg dry	1	20.6	41.0	152	47-127%	---	---	Q-01
Surr: 2-Fluorobiphenyl (Surr) Recovery: 96 % Limits: 44-120 % Dilution: 1x												
p-Terphenyl-d14 (Surr) 101 % 54-127 % "												

Matrix Spike Dup (0020865-MSD1) Prepared: 02/27/20 13:11 Analyzed: 02/28/20 13:45 H-08												
QC Source Sample: PDI-022SC-A-05-06-191016 (A0B0681-03RE1)												
EPA 8270D												
Acenaphthene	33.4	1.29	2.57	ug/kg dry	1	20.6	12.5	102	40-123%	18	30%	
Acenaphthylene	20.3	1.29	2.57	ug/kg dry	1	20.6	ND	99	32-132%	5	30%	
Anthracene	22.5	1.29	2.57	ug/kg dry	1	20.6	ND	109	47-123%	2	30%	
Benz(a)anthracene	21.3	1.29	2.57	ug/kg dry	1	20.6	1.49	96	49-126%	24	30%	
Benzo(a)pyrene	20.9	1.29	2.57	ug/kg dry	1	20.6	ND	101	45-129%	40	30%	Q-01
Benzo(b)fluoranthene	21.5	1.29	2.57	ug/kg dry	1	20.6	ND	104	45-132%	30	30%	
Benzo(k)fluoranthene	20.3	1.29	2.57	ug/kg dry	1	20.6	ND	98	47-132%	9	30%	
Benzo(g,h,i)perylene	20.7	1.29	2.57	ug/kg dry	1	20.6	ND	100	43-134%	38	30%	Q-01
Chrysene	23.2	1.29	2.57	ug/kg dry	1	20.6	2.03	103	50-124%	26	30%	

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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:
A0B0681 - 03 03 20 1454

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 0020865 - EPA 3546												
Sediment												
Matrix Spike Dup (0020865-MSD1)												
						Prepared: 02/27/20 13:11 Analyzed: 02/28/20 13:45				H-08		
QC Source Sample: PDI-022SC-A-05-06-191016 (A0B0681-03RE1)												
Dibenz(a,h)anthracene	20.1	1.29	2.57	ug/kg dry	1	20.6	ND	97	45-134%	7	30%	
Fluoranthene	40.3	1.29	2.57	ug/kg dry	1	20.6	16.7	115	50-127%	35	30%	Q-01
Fluorene	28.4	1.29	2.57	ug/kg dry	1	20.6	6.92	104	43-125%	10	30%	
Indeno(1,2,3-cd)pyrene	19.7	1.29	2.57	ug/kg dry	1	20.6	ND	95	45-133%	34	30%	Q-01
2-Methylnaphthalene	47.3	1.29	2.57	ug/kg dry	1	20.6	ND	230	38-122%	76	30%	Q-01
Naphthalene	128	1.29	2.57	ug/kg dry	1	20.6	1.35	615	35-123%	130	30%	Q-01
Phenanthrene	55.1	1.29	2.57	ug/kg dry	1	20.6	23.4	154	50-121%	6	30%	Q-01
Pyrene	58.1	1.29	2.57	ug/kg dry	1	20.6	41.0	83	47-127%	22	30%	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>103 %</i>		<i>54-127 %</i>		<i>"</i>						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0020837 - PSEP-5310B TOC						Sediment						
Blank (0020837-BLK1)			Prepared: 02/26/20 12:20 Analyzed: 02/27/20 23:36									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	ND	0.020	0.020	% by Weight	1	---	---	---	---	---	---	
LCS (0020837-BS1)			Prepared: 02/26/20 12:20 Analyzed: 02/27/20 23:47									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	9700			mg/kg	1	10000	---	97	90-110%	---	---	
Duplicate (0020837-DUP1)			Prepared: 02/26/20 17:00 Analyzed: 02/28/20 00:09									
<u>QC Source Sample: Non-SDG (A0B0680-01)</u>												
Total Organic Carbon	3.9	0.020	0.020	% by Weight	1	---	4.3	---	---	9	20%	H-08
Duplicate (0020837-DUP2)			Prepared: 02/26/20 17:00 Analyzed: 02/28/20 00:20									
<u>QC Source Sample: Non-SDG (A0B0680-01)</u>												
Total Organic Carbon	4.2	0.020	0.020	% by Weight	1	---	4.3	---	---	2	20%	H-08
Duplicate (0020837-DUP3)			Prepared: 02/26/20 12:20 Analyzed: 02/28/20 01:46									
<u>QC Source Sample: PDI-022SC-A-03-04-191016 (A0B0681-01)</u>												
<u>SM 5310 B MOD</u>												
Total Organic Carbon	0.068	0.020	0.020	% by Weight	1	---	0.074	---	---	8	20%	H-08

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 503-718-2323
 EPA ID: OR01039

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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 0020801 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0020801-DUP1)						Prepared: 02/26/20 10:30 Analyzed: 02/27/20 18:18						
<u>QC Source Sample: PDI-022SC-A-03-04-191016 (A0B0681-01)</u>												
<u>SM 2540 G</u>												
Total Solids	77.2	1.00	1.00	% by Weight	1	---	79.6	---	---	3	10%	

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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:
A0B0681 - 03 03 20 1454

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
Batch: 0020917							
A0B0681-01RE1	Sediment	EPA 8082A	10/16/19 13:39	03/02/20 07:03	30.32g/2mL	30g/2mL	0.99
A0B0681-02RE1	Sediment	EPA 8082A	10/16/19 13:39	03/02/20 07:03	30.83g/2mL	30g/2mL	0.97
A0B0681-03RE1	Sediment	EPA 8082A	10/16/19 13:39	03/02/20 07:03	30.05g/2mL	30g/2mL	1.00
A0B0681-04RE1	Sediment	EPA 8082A	10/16/19 13:39	03/02/20 07:03	30.16g/2mL	30g/2mL	1.00
A0B0681-05RE1	Sediment	EPA 8082A	10/16/19 07:55	03/02/20 07:03	30.27g/2mL	30g/2mL	0.99

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0020823							
A0B0681-01RE1	Sediment	EPA 8081B	10/16/19 13:39	02/26/20 15:21	10.73g/10mL	10g/5mL	1.86
A0B0681-02RE1	Sediment	EPA 8081B	10/16/19 13:39	02/26/20 15:21	10.3g/10mL	10g/5mL	1.94
A0B0681-03RE1	Sediment	EPA 8081B	10/16/19 13:39	02/26/20 15:21	10.2g/10mL	10g/5mL	1.96
A0B0681-04RE1	Sediment	EPA 8081B	10/16/19 13:39	02/26/20 15:21	10.58g/10mL	10g/5mL	1.89
A0B0681-05RE1	Sediment	EPA 8081B	10/16/19 07:55	02/26/20 15:21	10.8g/10mL	10g/5mL	1.85

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
Batch: 0020795							
A0B0681-01	Sediment	EPA 8270D	10/16/19 13:39	02/26/20 10:13	10.6g/5mL	10g/5mL	0.94
A0B0681-02	Sediment	EPA 8270D	10/16/19 13:39	02/26/20 10:13	10.51g/5mL	10g/5mL	0.95
A0B0681-05	Sediment	EPA 8270D	10/16/19 07:55	02/26/20 10:13	10.44g/5mL	10g/5mL	0.96
Batch: 0020865							
A0B0681-03RE1	Sediment	EPA 8270D	10/16/19 13:39	02/27/20 13:10	10.66g/5mL	10g/5mL	0.94
A0B0681-04RE1	Sediment	EPA 8270D	10/16/19 13:39	02/27/20 13:10	10.48g/5mL	10g/5mL	0.95

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0020837							
A0B0681-01	Sediment	SM 5310 B MOD	10/16/19 13:39	02/26/20 12:20			NA
A0B0681-02	Sediment	SM 5310 B MOD	10/16/19 13:39	02/26/20 12:20			NA

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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: A0B0681 - 03 03 20 1454
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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
A0B0681-03	Sediment	SM 5310 B MOD	10/16/19 13:39	02/26/20 12:20			NA
A0B0681-04	Sediment	SM 5310 B MOD	10/16/19 13:39	02/26/20 12:20			NA
A0B0681-05	Sediment	SM 5310 B MOD	10/16/19 07:55	02/26/20 12:20			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: 0020801</u>							
A0B0681-01	Sediment	SM 2540 G	10/16/19 13:39	02/26/20 10:30			NA
A0B0681-02	Sediment	SM 2540 G	10/16/19 13:39	02/26/20 10:30			NA
A0B0681-03	Sediment	SM 2540 G	10/16/19 13:39	02/26/20 10:30			NA
A0B0681-04	Sediment	SM 2540 G	10/16/19 13:39	02/26/20 10:30			NA
A0B0681-05	Sediment	SM 2540 G	10/16/19 07:55	02/26/20 10:30			NA

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QUALIFIER DEFINITIONS

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

Apex Laboratories

- B** Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
- B-02** Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
- C-05** Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- C-07** Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
- H-08** Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the standard hold time.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- M-05** Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- 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.
- Q-29** Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
- Q-37** Sample is non-homogenous. Sample results are less than MRL and duplicate results have hits greater than the MRL. See Duplicate results.
- Q-42** Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- R-04** Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
- S-01** Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
- S-03** Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

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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

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Apex Laboratories, LLC

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

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0B0681 - 03 03 20 1454
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LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
<u>All reported analytes are included in Apex Laboratories' current ORELAP scope.</u>					

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

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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:
A0B0681 - 03 03 20 1454

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

COC ID: A0B0681
 APEX1-20191016-143858
 Sample Custodian: AQJ0716
 CO, SN, BJ, DL
 Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab OC #	Test Request	Method	TAT**	Preservative
001	PDI-0225C-A-00-01-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-0225C-A-01-02-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-0225C-A-02-03-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-0225C-A-03-04-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-0225C-A-04-05-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-0225C-A-05-06-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-0225C-A-06-07-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-0225C-A-07-08-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-0225C-A-08-09-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-0225C-A-09-10-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-0225C-A-10-11-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Received By: Signature: <u>[Signature]</u>	Requested By: Signature: <u>[Signature]</u>
Print Name: <u>COBEN</u>	Print Name: <u>M. KAWAHI</u>
Company: <u>AG</u>	Company: <u>Apex Labs</u>
Date/Time: <u>10/17/19 1410</u>	Date/Time: <u>10/17/19 1410</u>

Date Printed: 10/16/2019

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

Apex Laboratories

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[Signature]

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:

A0B0681 - 03 03 20 1454

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

COC ID: A0B0681
 Sample Custodian: APEX1-20191016-143858
 Lab: CO, SN, BJ, DL
 Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab #	OC	Test Request	Method	TAT**	Preservative
021	PDI-059SC-A-06-10-191016	N	SE	10/16/2019	7:55	1			Archive (APEX)	ARCHIVE	-1	-10°C
022	PDI-059SC-A-10-11-191016	N	SE	10/16/2019	7:55	1			Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-059SC-A-11-12-191016	N	SE	10/16/2019	7:55	1			Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-059SC-A-12-15-191016	N	SE	10/16/2019	7:55	1			Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-059SC-B-06-02-191016	N	SE	10/16/2019	7:57	1			Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-059SC-B-02-04-191016	N	SE	10/16/2019	7:57	1			Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-059SC-B-04-06-191016	N	SE	10/16/2019	7:57	1			Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-059SC-B-06-08-191016	N	SE	10/16/2019	7:57	1			Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-066SC-A-00-01-191016	N	SE	10/16/2019	10:35	1			Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-066SC-A-01-02-191016	N	SE	10/16/2019	10:35	1			Archive (APEX)	ARCHIVE	-1	-10°C
031	PDI-066SC-A-02-03-191016	N	SE	10/16/2019	10:35	1			Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Received By:	Relinquished By:	Received By:	Relinquished By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: COREY D	Print Name: M. Kowalik	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>
Company: AD	Company: Apex Labs	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>
Date/Time: 10/16/19 1410	Date/Time: 10-17-19 1410	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>

Date Printed: 10/16/2019

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

Apex Laboratories

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APEX LABS COOLER RECEIPT FORM A0B0681

Client: Anchor QEA Element WO#: A9 J0716

Project/Project #: Gasco PDI - Archive


Delivery Info:
 Date/time received: 10-17-19 @ 1410 By: MM
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other _____

Cooler Inspection Date/time inspected: 10-17-19 @ 1510 By: MM
 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>0.3</u>	<u>1.8</u>	<u>3.0</u>	_____	_____	_____	_____
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>	_____	_____	_____	_____
Temp. blanks? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>	_____	_____	_____	_____
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>"</u>	<u>"</u>	_____	_____	_____	_____
Condition:	<u>good</u>	<u>"</u>	<u>"</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 _____
Samples Inspection: Date/time inspected: 10/18/19 @ 1430 By: 8
 All samples intact? Yes No _____ Comments: _____
 Bottle labels/COCs agree? Yes No _____ Comments: _____
 COC/container discrepancies form initiated? Yes _____ No _____ NA
 Containers/volumes received appropriate for analysis? Yes No _____ Comments: _____
 Do VOA vials have visible headspace? Yes _____ No _____ NA
 Comments: _____
 Water samples: pH checked: Yes _____ No _____ NA pH appropriate? Yes _____ No _____ NA
 Comments: _____
Additional information:

Labeled by: [Signature] Witness: [Signature] Cooler Inspected by: 8 TAG See Project Contact Form: Y



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

A0B0681

Apex Laboratories

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

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

Date Due: 02/28/20 17:00 (91 day TAT)	
Received By: Mike Kachnik	Date Received: 10/17/19 14:10
Logged In By: Susan L. Treat	Date Logged In: 02/25/20 16:28

Cooler #1 received at 0.3°C									
Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								
Cooler #2 received at 1.8°C									
Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								
Cooler #3 received at 3.0°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
A0B0681-01 PDI-022SC-A-03-04-191016 [Sediment] Sampled 10/16/19				
13:39 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	02/28/20 17:00	3	04/13/20 13:39	Use Results from TS.. Make NR once completed.
Project Mgmt				
Data Package	03/27/20 17:00	3	01/23/20 13:39	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	02/28/20 17:00	3	10/30/19 13:39	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	02/28/20 17:00	3	10/15/20 13:39	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	02/28/20 17:00	3	10/30/19 13:39	
Wet Chem				
Solids, Total (SM 2540 G,B)	02/28/20 17:00	3	04/13/20 13:39	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	02/28/20 17:00	3	11/13/19 13:39	

A0B0681

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

Analysis	Due	TAT	Expires	Comments
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Analysis	Due	TAT	Expires	Comments
A0B0681-02 PDI-022SC-A-04-05-191016 [Sediment] Sampled 10/16/19				
13:39 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	02/28/20 17:00	3	04/13/20 13:39	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	02/28/20 17:00	3	10/30/19 13:39	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	02/28/20 17:00	3	10/15/20 13:39	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	02/28/20 17:00	3	10/30/19 13:39	
Wet Chem				
Solids, Total (SM 2540 G,B)	02/28/20 17:00	3	04/13/20 13:39	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	02/28/20 17:00	3	11/13/19 13:39	

A0B0681-03 PDI-022SC-A-05-06-191016 [Sediment] Sampled 10/16/19				
13:39 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	02/28/20 17:00	3	04/13/20 13:39	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	02/28/20 17:00	3	10/30/19 13:39	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	02/28/20 17:00	3	10/15/20 13:39	+1262,1268, Batch QC Failure, not analyzed
Semivols (Scan)				
8270D LL PAH Only (Scan)	02/28/20 17:00	3	10/30/19 13:39	
Wet Chem				
Solids, Total (SM 2540 G,B)	02/28/20 17:00	3	04/13/20 13:39	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	02/28/20 17:00	3	11/13/19 13:39	

A0B0681-04 PDI-022SC-A-06-07-191016 [Sediment] Sampled 10/16/19				
13:39 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	02/28/20 17:00	3	04/13/20 13:39	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	02/28/20 17:00	3	10/30/19 13:39	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	02/28/20 17:00	3	10/15/20 13:39	+1262,1268, Batch QC Failure, not analyzed
Semivols (Scan)				
8270D LL PAH Only (Scan)	02/28/20 17:00	3	10/30/19 13:39	
Wet Chem				
Solids, Total (SM 2540 G,B)	02/28/20 17:00	3	04/13/20 13:39	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	02/28/20 17:00	3	11/13/19 13:39	

A0B0681

Apex Laboratories

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

Analysis	Due	TAT	Expires	Comments
A0B0681-05 PDI-059SC-A-11-12-191016 [Sediment] Sampled 10/16/19 07:55 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	02/28/20 17:00	3	04/13/20 07:55	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	02/28/20 17:00	3	10/30/19 07:55	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	02/28/20 17:00	3	10/15/20 07:55	+1262,1268, Batch QC Failure, not analyzed
Semivols (Scan)				
8270D LL PAH Only (Scan)	02/28/20 17:00	3	10/30/19 07:55	
Wet Chem				
Solids, Total (SM 2540 G,B)	02/28/20 17:00	3	04/13/20 07:55	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	02/28/20 17:00	3	11/13/19 07:55	

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ACB0681
 AGJ0716

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

Project: Gasco PDI
Client: NW Natural

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

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-022SC-A-00-01-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-022SC-A-01-02-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-022SC-A-02-03-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-022SC-A-03-04-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-022SC-A-04-05-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-022SC-A-05-06-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-022SC-A-06-07-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-022SC-A-07-08-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-022SC-A-08-09-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-022SC-A-09-10-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-022SC-A-10-11-191016	N	SE	10/16/2019	13:39	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By Signature: <i>[Signature]</i>	Received By Signature: <i>[Signature]</i>	Relinquished By Signature: <i>[Signature]</i>	Received By Signature: <i>[Signature]</i>	Relinquished By Signature: <i>[Signature]</i>	Received By Signature: <i>[Signature]</i>
Print Name: <i>COBBERO</i>	Print Name: <i>M. Kachala</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>	Print Name: <i>[Signature]</i>
Company: <i>AG</i>	Company: <i>Apex Labs</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>	Company: <i>[Signature]</i>
Date/Time: <i>10/17/19 1410</i>	Date/Time: <i>10-17-19 1410</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>	Date/Time: <i>[Signature]</i>

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0B0681
A9J0716

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

Project: Gasco PDI
Client: NW Natural

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

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers *	Lab QC*	Test Request	Method	TAT**	Preservative
021	PDI-059SC-A-09-10-191016	N	SE	10/16/2019	7:55	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
022	PDI-059SC-A-10-11-191016	N	SE	10/16/2019	7:55	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-059SC-A-11-12-191016	N	SE	10/16/2019	7:55	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-059SC-A-12-13-191016	N	SE	10/16/2019	7:55	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-059SC-B-00-02-191016	N	SE	10/16/2019	7:57	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-059SC-B-02-04-191016	N	SE	10/16/2019	7:57	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-059SC-B-04-06-191016	N	SE	10/16/2019	7:57	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-059SC-B-06-08-191016	N	SE	10/16/2019	7:57	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-069SC-A-00-01-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-069SC-A-01-02-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
031	PDI-069SC-A-02-03-191016	N	SE	10/16/2019	10:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: C. OREIRO	Print Name: M. Kashnik	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: Apex Labs	Company:	Company:	Company:	Company:
Date/Time: 10/17/19 1410	Date/Time: 10-17-19 1410	Date/Time:	Date/Time:	Date/Time:	Date/Time:

APEX LABS COOLER RECEIPT FORM

A0B0681

Client: Anchor QEA

Element WO#: A9 J0716

Project/Project #: Gasco PDI - Archive

Delivery Info:

Date/time received: 10-17-19 @ 1410 By: MM

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

Cooler Inspection Date/time inspected: 10-17-19 @ 1510 By: MM

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>0.3</u>	<u>1.8</u>	<u>3.0</u>				
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Temp. blanks? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>"</u>	<u>"</u>				
Condition:	<u>Good</u>	<u>"</u>	<u>"</u>				

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

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

Samples Inspection: Date/time inspected: 10/18/19 @ 1430 By: [Signature]

All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: _____

COC/container discrepancies form initiated? Yes No NA

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

Do VOA vials have visible headspace? Yes No NA

Comments: _____

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

Comments: _____

Additional information: _____

Labeled by: [Signature] Witness: [Signature] Cooler Inspected by: [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-022SC-A-03-04-191016</u>	<u>A0B0681-01</u>	<u>Sediment</u>
<u>PDI-022SC-A-04-05-191016</u>	<u>A0B0681-02</u>	<u>Sediment</u>
<u>PDI-022SC-A-05-06-191016</u>	<u>A0B0681-03</u>	<u>Sediment</u>
<u>PDI-022SC-A-06-07-191016</u>	<u>A0B0681-04</u>	<u>Sediment</u>
<u>PDI-059SC-A-11-12-191016</u>	<u>A0B0681-05</u>	<u>Sediment</u>

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

Signature:



Name:

David G. Jack

Forms Created:

3/25/2020 12:45PM

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-022SC-A-03-04-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-01RE1</u>	File ID: <u>ECD2F020.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>03/02/20 07:03</u>	Analyzed: <u>03/02/20 14:26</u>
Solids: <u>79.61</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.32 g / 2 mL</u>
Batch: <u>0020917</u>	Sequence: <u>0C02025</u>	Calibration: <u>A0B1902</u>
		Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.833	U
11104-28-2	Aroclor 1221	1	0.833	U
11141-16-5	Aroclor 1232	1	0.833	U
53469-21-9	Aroclor 1242	1	0.833	U
12672-29-6	Aroclor 1248	1	0.833	U
11097-69-1	Aroclor 1254	1	0.833	U
11096-82-5	Aroclor 1260	1	0.833	U
37324-23-5	Aroclor 1262	1	0.833	U
11100-14-4	Aroclor 1268	1	0.833	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	20.7	15.0	72	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-022SC-A-04-05-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-02RE1</u>	File ID: <u>ECD2F022.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>03/02/20 07:03</u>	Analyzed: <u>03/02/20 15:01</u>
Solids: <u>89.58</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.83 g / 2 mL</u>
Batch: <u>0020917</u>	Sequence: <u>0C02025</u>	Calibration: <u>A0B1902</u> Instrument: <u>DUALECD2F</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	18.1	7.27	40	43 - 120	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-022SC-A-05-06-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-03RE1</u>	File ID: <u>ECD2R014.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>03/02/20 07:03</u>	Analyzed: <u>03/02/20 12:41</u>
Solids: <u>91.18</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.05 g / 2 mL</u>
Batch: <u>0020917</u>	Sequence: <u>0C02026</u>	Calibration: <u>A0A1501</u> Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.734	U
11104-28-2	Aroclor 1221	1	0.734	U
11141-16-5	Aroclor 1232	1	0.734	U
53469-21-9	Aroclor 1242	1	0.734	U
12672-29-6	Aroclor 1248	1	0.734	U
11097-69-1	Aroclor 1254	1	0.734	U
11096-82-5	Aroclor 1260	1	0.734	U
37324-23-5	Aroclor 1262	1	0.734	U
11100-14-4	Aroclor 1268	1	0.734	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	18.2	17.2	94	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-022SC-A-06-07-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-04RE1</u>	File ID: <u>ECD2R020.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>03/02/20 07:03</u>	Analyzed: <u>03/02/20 14:26</u>
Solids: <u>90.76</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.16 g / 2 mL</u>
Batch: <u>0020917</u>	Sequence: <u>0C02026</u>	Calibration: <u>A0A1501</u>
		Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.734	U
11104-28-2	Aroclor 1221	1	0.734	U
11141-16-5	Aroclor 1232	1	0.734	U
53469-21-9	Aroclor 1242	1	0.734	U
12672-29-6	Aroclor 1248	1	0.734	U
11097-69-1	Aroclor 1254	1	0.734	U
11096-82-5	Aroclor 1260	1	0.734	U
37324-23-5	Aroclor 1262	1	0.734	U
11100-14-4	Aroclor 1268	1	0.734	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	18.3	16.7	91	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-059SC-A-11-12-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-05RE1</u>	File ID: <u>ECD2R024.D</u>
Sampled: <u>10/16/19 07:55</u>	Prepared: <u>03/02/20 07:03</u>	Analyzed: <u>03/02/20 15:37</u>
Solids: <u>76.47</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.27 g / 2 mL</u>
Batch: <u>0020917</u>	Sequence: <u>0C02026</u>	Calibration: <u>A0A1501</u> Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	5	12.3	U
11104-28-2	Aroclor 1221	5	4.34	U
11141-16-5	Aroclor 1232	5	42.8	U
53469-21-9	Aroclor 1242	5	17.5	U
12672-29-6	Aroclor 1248	5	11.0	U
11097-69-1	Aroclor 1254	5	10.4	U
11096-82-5	Aroclor 1260	5	11.0	U
37324-23-5	Aroclor 1262	5	8.62	U
11100-14-4	Aroclor 1268	5	4.34	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	21.6	12.8	59	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: 0020917

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0020917-BLK1	ECD2F014.D	03/02/20 07:03	
LCS	0020917-BS1	ECD2F015.D	03/02/20 07:03	
PDI-022SC-A-05-06-191016 (MS)	0020917-MS1	ECD2R016.D	03/02/20 07:03	
PDI-022SC-A-05-06-191016 (MSD)	0020917-MSD1	ECD2R018.D	03/02/20 07:03	
PDI-022SC-A-03-04-191016	A0B0681-01RE1	ECD2F020.D	03/02/20 07:03	
PDI-022SC-A-04-05-191016	A0B0681-02RE1	ECD2F022.D	03/02/20 07:03	
PDI-022SC-A-05-06-191016	A0B0681-03RE1	ECD2R014.D	03/02/20 07:03	
PDI-022SC-A-06-07-191016	A0B0681-04RE1	ECD2R020.D	03/02/20 07:03	
PDI-059SC-A-11-12-191016	A0B0681-05RE1	ECD2R024.D	03/02/20 07:03	

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

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

METHOD BLANK DATA SHEET

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0020917-BLK1</u>	File ID: <u>ECD2F014.D</u>
Prepared: <u>03/02/20 07:03</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>31 g / 2 mL</u>
Analyzed: <u>03/02/20 12:41</u>	Instrument: <u>DUALECD2F</u>	
Batch: <u>0020917</u>	Sequence: <u>0C02025</u>	Calibration: <u>A0B1902</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	16.1	14.2	88	43 - 120	

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0020917

Laboratory ID: 0020917-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	59.1	71	47 - 134
Aroclor 1260	83.3	74.3	89	53 - 140

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-022SC-A-05-06-191016

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

Matrix: Sediment

Batch: 0020917

Laboratory ID: 0020917-MS1

Preparation: EPA 3546

Initial/Final: 30.1 g / 2 mL

Source Sample Name: PDI-022SC-A-05-06-191016

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (* = Out)	QC LIMITS REC.
Aroclor 1016	91.1	ND	54.2	59	47 - 134
Aroclor 1260	91.1	ND	77.1	85	53 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

PDI-022SC-A-05-06-191016

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: 0020917

Laboratory ID: 0020917-MSD1

Preparation: EPA 3546

Initial/Final: 30.05 g / 2 mL

Source Sample Name: PDI-022SC-A-05-06-191016

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Aroclor 1016	91.2	56.6	62	4	30	47 - 134
Aroclor 1260	91.2	77.7	85	0.9	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>0A13050</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A1501</u>

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

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0B18016

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0B1902

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0B18016-ICB1	ECD2F007.D	02/18/20 09:21
Cal Standard	0B18016-CAL1	ECD2F008.D	02/18/20 09:47
Cal Standard	0B18016-CAL2	ECD2F009.D	02/18/20 10:04
Cal Standard	0B18016-CAL3	ECD2F010.D	02/18/20 10:22
Cal Standard	0B18016-CAL4	ECD2F011.D	02/18/20 10:40
Cal Standard	0B18016-CAL5	ECD2F012.D	02/18/20 10:57
Cal Standard	0B18016-CAL6	ECD2F013.D	02/18/20 11:15
Cal Standard	0B18016-CAL7	ECD2F014.D	02/18/20 11:32
Initial Cal Check	0B18016-ICV1	ECD2F016.D	02/18/20 12:08
Cal Standard	0B18016-CAL8	ECD2F017.D	02/18/20 12:25
Cal Standard	0B18016-CAL9	ECD2F018.D	02/18/20 12:43
Cal Standard	0B18016-CALA	ECD2F019.D	02/18/20 13:00
Cal Standard	0B18016-CALB	ECD2F020.D	02/18/20 13:18
Cal Standard	0B18016-CALC	ECD2F021.D	02/18/20 13:36
Cal Standard	0B18016-CALD	ECD2F022.D	02/18/20 13:53
Cal Standard	0B18016-CALE	ECD2F023.D	02/18/20 14:11
Initial Cal Check	0B18016-ICV2	ECD2F024.D	02/18/20 14:29
Initial Cal Check	0B18016-ICV3	ECD2F025.D	02/18/20 14:46
Initial Cal Check	0B18016-ICV4	ECD2F026.D	02/18/20 15:04
Initial Cal Check	0B18016-ICV5	ECD2F027.D	02/18/20 15:21

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

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

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: 0C02025

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0B1902

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0C02025-CCV1	ECD2F002.D	03/02/20 07:54
Calibration Blank	0C02025-CCB1	ECD2F003.D	03/02/20 08:12
Calibration Check	0C02025-CCV2	ECD2F012.D	03/02/20 10:50
Calibration Blank	0C02025-CCB2	ECD2F013.D	03/02/20 11:08
Blank	0020917-BLK1	ECD2F014.D	03/02/20 12:41
LCS	0020917-BS1	ECD2F015.D	03/02/20 12:58
PDI-022SC-A-03-04-191016	A0B0681-01RE1	ECD2F020.D	03/02/20 14:26
PDI-022SC-A-04-05-191016	A0B0681-02RE1	ECD2F022.D	03/02/20 15:01
Calibration Check	0C02025-CCV3	ECD2F026.D	03/02/20 16:12
Calibration Blank	0C02025-CCB3	ECD2F027.D	03/02/20 16:29
Calibration Check	0C02025-CCV4	ECD2F032.D	03/02/20 18:00
Calibration Blank	0C02025-CCB4	ECD2F033.D	03/02/20 18:17

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: <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>0C02026</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A1501</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0C02026-CCV1	ECD2R002.D	03/02/20 07:54
Calibration Blank	0C02026-CCB1	ECD2R003.D	03/02/20 08:12
Calibration Check	0C02026-CCV2	ECD2R010.D	03/02/20 10:15
Calibration Blank	0C02026-CCB2	ECD2R011.D	03/02/20 10:32
PDI-022SC-A-05-06-191016	A0B0681-03RE1	ECD2R014.D	03/02/20 12:41
PDI-022SC-A-05-06-191016 (MS)	0020917-MS1	ECD2R016.D	03/02/20 13:16
PDI-022SC-A-05-06-191016 (MSD)	0020917-MSD1	ECD2R018.D	03/02/20 13:51
PDI-022SC-A-06-07-191016	A0B0681-04RE1	ECD2R020.D	03/02/20 14:26
Calibration Check	0C02026-CCV3	ECD2R022.D	03/02/20 15:01
Calibration Blank	0C02026-CCB3	ECD2R023.D	03/02/20 15:19
PDI-059SC-A-11-12-191016	A0B0681-05RE1	ECD2R024.D	03/02/20 15:37
Calibration Check	0C02026-CCV4	ECD2R026.D	03/02/20 16:12
Calibration Blank	0C02026-CCB4	ECD2R027.D	03/02/20 16:29

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

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0A1501

Date: 01/15/20 08:26

Instrument: DUALECD2R

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	111223.7	Ave	7.396349	10.55114	1.281006E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0A1501

Instrument: DUALECD2R

Calibration Date: 01/15/20 08:26

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	20	7263.95	50	6876.42	100	6397.28	200	5954.215	500	5671.72	1000	5624.087
1016 (2)	20	12472.9	50	11959.92	100	11426.6	200	11672.72	500	10968.62	1000	11025.44
1016 (3)	20	5801.75	50	5801.38	100	5369.91	200	5336.32	500	5077.81	1000	5145.954
1016 (4)	20	5870.45	50	5570.68	100	5194.09	200	4909.52	500	4406.78	1000	4338.878
1016 (5)	20	6568.75	50	6158.62	100	5693.13	200	5381.97	500	5073.978	1000	5224.293
1016 (6)	20	6760.6	50	6310.16	100	5881.35	200	5800.32	500	5147.766	1000	5149.713
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	11821.5	50	10819.18	100	10604.65	200	10466.11	500	10161.83	1000	10123.09
1260 (2)	20	14049.55	50	13128.22	100	13214.6	200	12556.99	500	12304.63	1000	12298.76
1260 (3)	20	14118	50	13483.44	100	13273.38	200	13721.19	500	13080.06	1000	12961.67
1260 (4)	20	20729.65	50	20959.06	100	20510.63	200	21259.37	500	20993.46	1000	21886.59
1260 (5)	20	12895.05	50	12167.28	100	12204.07	200	12359.45	500	12141.69	1000	12074.36
1260 (6)	20	5118.75	50	5238.06	100	4788.51	200	5044.68	500	4784.452	1000	4594.659
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	107063.8	25	110239.3	50	107929.1	100	108917.2	250	100873.3	500	117191.4

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0A1501

Instrument: DUALECD2R

Matrix:

Calibration Date: 01/15/20 08:26

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	1500	5486.193										
1016 (2)	1500	10563.24										
1016 (3)	1500	4962.429										
1016 (4)	1500	4294.934										
1016 (5)	1500	4717.885										
1016 (6)	1500	4938.143										
Aroclor 1016	1500	ϕ										
1254 (1)											500	8473.848
1254 (2)											500	13909.83
1254 (3)											500	15174.34
1254 (4)											500	10916.49
1254 (5)											500	11248.66
1254 (6)											500	3527.182
Aroclor 1254											500	ϕ
1260 (1)	1500	9698.7										
1260 (2)	1500	11784.49										
1260 (3)	1500	12190.36										
1260 (4)	1500	21728.56										
1260 (5)	1500	11801.18										
1260 (6)	1500	4590.586										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	126351.8	200	ϕ	200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: AOA1501

Instrument: DUALECD2R

Matrix:

Calibration Date: 01/15/20 08:26

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1262 (1)	500	10571.7										
1262 (2)	500	15277.51										
1262 (3)	500	12804.2										
1262 (4)	500	27524.62										
1262 (5)	500	16419.55										
1262 (6)	500	7200.532										
Aroclor 1262	500	0										
Decachlorobiphenyl (Surr)	200	0	200	0								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0B1902

Date: 02/19/20 15:43

Instrument: DUALECD2F

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	135840	Ave	2.695045	9.528143	0.0252844			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: A0B1902

Instrument: DUALECD2F

Calibration Date: 02/19/20 15:43

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
1232 (1)											500	2365.858
1232 (2)											500	3587.288
1232 (3)											500	1968.208
1232 (4)											500	1519.344
1232 (5)											500	1930.388
1232 (6)											500	1574.962
Aroclor 1232											500	θ
1268 (1)	500	6426.198										
1268 (2)	500	29682.62										
1268 (3)	500	24978.24										
1268 (4)	500	23062.92										
1268 (5)	500	9210.042										
1268 (6)	500	64860.54										
Aroclor 1268	500	θ										
Decachlorobiphenyl (Surr)	200	θ	200	θ	200	θ	200	θ	200	θ	200	θ

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: A0B1902

Instrument: DUALECD2F

Matrix:

Calibration Date: 02/19/20 15:43

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	4018.075	1000	4174.752	500	4285.75	200	4404.455	100	4485.08
1016 (2)			1500	8554.88	1000	8442.266	500	8488.43	200	8512.72	100	8745.1
1016 (3)			1500	4422.315	1000	4576.954	500	4573.756	200	4661.27	100	4617.65
1016 (4)			1500	3962.802	1000	3930.132	500	4075.976	200	4174.15	100	4614.93
1016 (5)			1500	4725.073	1000	4405.368	500	4730.844	200	5040.315	100	5065.92
1016 (6)			1500	3364.844	1000	3181.732	500	3526.794	200	3629.52	100	3702.35
Aroclor 1016			1500	ϕ	1000	ϕ	500	ϕ	200	ϕ	100	ϕ
1221 (1)	500	1363.314										
1221 (2)	500	921.216										
1221 (3)	500	2837.11										
Aroclor 1221	500	ϕ										
1260 (1)			1500	9498.634	1000	9172.675	500	9594.234	200	10265.79	100	10317
1260 (2)			1500	12273.97	1000	11766.08	500	11919.62	200	12798.38	100	12085.68
1260 (3)			1500	8821.366	1000	8969.606	500	9279.888	200	8977.575	100	9674.18
1260 (4)			1500	22190.41	1000	21418.04	500	22697.26	200	22454.01	100	21697.81
1260 (5)			1500	14858.92	1000	14311.65	500	14754	200	15330.34	100	15044.17
1260 (6)			1500	6027.334	1000	5645.108	500	5916.79	200	6034.095	100	6109.9
Aroclor 1260			1500	ϕ	1000	ϕ	500	ϕ	200	ϕ	100	ϕ
Decachlorobiphenyl (Surr)	200	ϕ	800	141025.5	500	136484	250	129321.2	100	136526.7	50	136754.5

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0B1902

Instrument: DUALECD2F

Matrix:

Calibration Date: 02/19/20 15:43

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
1016 (1)	50	5164.96	20	5721.15								
1016 (2)	50	9100.16	20	9758.1								
1016 (3)	50	5168.66	20	5486.6								
1016 (4)	50	4832.64	20	5435								
1016 (5)	50	5608.28	20	6225.55								
1016 (6)	50	3942.66	20	4528.8								
Aroclor 1016	50	θ	20	θ								
1260 (1)	50	10667.86	20	11687.75								
1260 (2)	50	13177.74	20	14473.75								
1260 (3)	50	9872.66	20	10926.05								
1260 (4)	50	23236.68	20	23776.8								
1260 (5)	50	15740.06	20	16350.25								
1260 (6)	50	6206.96	20	7031.95								
Aroclor 1260	50	θ	20	θ								
Decachlorobiphenyl (Surr)	25	133275.3	10	137492.5								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0A1501
Lab File ID: ECD2R013.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV1 Inject Time: 19:54

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	472	-5.6	70 - 130
Aroclor 1260	500	503	0.5	70 - 130
Decachlorobiphenyl (Surr)	200	187	-6.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0A1501
Lab File ID: ECD2R021.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV2 Inject Time: 22:15

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	923	-7.7	70 - 130
Aroclor 1254	500	509	1.9	70 - 130
Decachlorobiphenyl (Surr)	80.0	84.1	5.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0A1501
Lab File ID: ECD2R022.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV3 Inject Time: 22:32

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	513	2.6	70 - 130
Aroclor 1262	500	453	-9.4	70 - 130
Decachlorobiphenyl (Surr)	80.0	84.4	5.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0A1501
Lab File ID: ECD2R023.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV4 Inject Time: 22:50

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	525	5.1	70 - 130
Aroclor 1268	500	503	0.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0A1501
Lab File ID: ECD2R025.D
Sequence: 0A13050 Inject Date: 01/14/20
Lab Sample ID: 0A13050-ICV5 Inject Time: 08:02

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	591	18.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0B1902
Lab File ID: ECD2F016.D
Sequence: 0B18016 Inject Date: 02/18/20
Lab Sample ID: 0B18016-ICV1 Inject Time: 12:08

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	478	-4.5	70 - 130
Aroclor 1260	500	474	-5.3	70 - 130
Decachlorobiphenyl (Surr)	200	190	-4.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0B1902
Lab File ID: ECD2F024.D
Sequence: 0B18016 Inject Date: 02/18/20
Lab Sample ID: 0B18016-ICV2 Inject Time: 14:29

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	1000	0.2	70 - 130
Aroclor 1254	500	455	-9.0	70 - 130
Decachlorobiphenyl (Surr)	80.0	89.0	11.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0B1902
Lab File ID: ECD2F025.D
Sequence: 0B18016 Inject Date: 02/18/20
Lab Sample ID: 0B18016-ICV3 Inject Time: 14:46

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	547	9.4	70 - 130
Aroclor 1262	500	489	-2.3	70 - 130
Decachlorobiphenyl (Surr)	80.0	88.5	10.6	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: DUALECD2F Calibration: A0B1902
Lab File ID: ECD2F026.D
Sequence: 0B18016 Inject Date: 02/18/20
Lab Sample ID: 0B18016-ICV4 Inject Time: 15:04

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	527	5.4	70 - 130
Aroclor 1268	500	529	5.7	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: DUALECD2F Calibration: A0B1902
Lab File ID: ECD2F027.D
Sequence: 0B18016 Inject Date: 02/18/20
Lab Sample ID: 0B18016-ICV5 Inject Time: 15:21

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	501	0.2	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0B1902</u>
Lab File ID: <u>ECD2F002.D</u>	Calibration Date: <u>02/19/20 15:43</u>
Sequence: <u>0C02025</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02025-CCV1</u>	Injection Time: <u>07:54</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	450				-10.0	20
Aroclor 1260	Ave	500	471				-5.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0B1902</u>
Lab File ID: <u>ECD2F012.D</u>	Calibration Date: <u>02/19/20 15:43</u>
Sequence: <u>0C02025</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02025-CCV2</u>	Injection Time: <u>10:50</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	462				-7.6	20
Aroclor 1260	Ave	500	472				-5.7	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0B1902</u>
Lab File ID: <u>ECD2F026.D</u>	Calibration Date: <u>02/19/20 15:43</u>
Sequence: <u>0C02025</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02025-CCV3</u>	Injection Time: <u>16:12</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	491				-1.7	20
Aroclor 1260	Ave	500	518				3.6	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0B1902</u>
Lab File ID: <u>ECD2F032.D</u>	Calibration Date: <u>02/19/20 15:43</u>
Sequence: <u>0C02025</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02025-CCV4</u>	Injection Time: <u>18:00</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	443				-11.5	20
Aroclor 1260	Ave	500	469				-6.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0A1501</u>
Lab File ID: <u>ECD2R002.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0C02026</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02026-CCV1</u>	Injection Time: <u>07:54</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	413				-17.3	20
Aroclor 1260	Ave	500	496				-0.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0A1501</u>
Lab File ID: <u>ECD2R010.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0C02026</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02026-CCV2</u>	Injection Time: <u>10:15</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	447				-10.5	20
Aroclor 1260	Ave	500	514				2.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0A1501</u>
Lab File ID: <u>ECD2R022.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0C02026</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02026-CCV3</u>	Injection Time: <u>15:01</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	482				-3.5	20
Aroclor 1260	Ave	500	576				15.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0A1501</u>
Lab File ID: <u>ECD2R026.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0C02026</u>	Injection Date: <u>03/02/20</u>
Lab Sample ID: <u>0C02026-CCV4</u>	Injection Time: <u>16:12</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	452				-9.6	20
Aroclor 1260	Ave	500	548				9.6	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 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>0A13050</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A1501</u>

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

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0B18016</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0B1902</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0B18016-ICV1)			Lab File ID: ECD2F016.D		Analyzed: 02/18/20 12:08			
Decachlorobiphenyl (Surr)	200	95	70 - 130	9.527	9.528143	-0.0011	+/-1.0	
Initial Cal Check (0B18016-ICV2)			Lab File ID: ECD2F024.D		Analyzed: 02/18/20 14:29			
Decachlorobiphenyl (Surr)	80.0	111	70 - 130	9.527	9.528143	-0.0011	+/-1.0	
Initial Cal Check (0B18016-ICV3)			Lab File ID: ECD2F025.D		Analyzed: 02/18/20 14:46			
Decachlorobiphenyl (Surr)	80.0	111	70 - 130	9.527	9.528143	-0.0011	+/-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>0C02025</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0B1902</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0C02025-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 03/02/20 07:54			
Decachlorobiphenyl (Surr)	250	101	80 - 120	9.526	9.528143	-0.0021	+/-1.0	
Calibration Blank (0C02025-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 03/02/20 08:12			
Decachlorobiphenyl (Surr)	100	99	43 - 120	9.526	9.528143	-0.0021	+/-1.0	
Calibration Check (0C02025-CCV2)			Lab File ID: ECD2F012.D		Analyzed: 03/02/20 10:50			
Decachlorobiphenyl (Surr)	250	99	80 - 120	9.523	9.528143	-0.0051	+/-1.0	
Calibration Blank (0C02025-CCB2)			Lab File ID: ECD2F013.D		Analyzed: 03/02/20 11:08			
Decachlorobiphenyl (Surr)	100	98	43 - 120	9.524	9.528143	-0.0041	+/-1.0	
Blank (0020917-BLK1)			Lab File ID: ECD2F014.D		Analyzed: 03/02/20 12:41			
Decachlorobiphenyl (Surr)	16.1	88	43 - 120	9.535	9.528143	0.0069	+/-1.0	
LCS (0020917-BS1)			Lab File ID: ECD2F015.D		Analyzed: 03/02/20 12:58			
Decachlorobiphenyl (Surr)	16.7	98	43 - 120	9.526	9.528143	-0.0021	+/-1.0	
PDI-022SC-A-03-04-191016 (A0B0681-01RE1)			Lab File ID: ECD2F020.D		Analyzed: 03/02/20 14:26			
Decachlorobiphenyl (Surr)	20.7	72	43 - 120	9.525	9.528143	-0.0031	+/-1.0	
PDI-022SC-A-04-05-191016 (A0B0681-02RE1)			Lab File ID: ECD2F022.D		Analyzed: 03/02/20 15:01			
Decachlorobiphenyl (Surr)	18.1	40	43 - 120	9.524	9.528143	-0.0041	+/-1.0	*
Calibration Check (0C02025-CCV3)			Lab File ID: ECD2F026.D		Analyzed: 03/02/20 16:12			
Decachlorobiphenyl (Surr)	250	115	80 - 120	9.526	9.528143	-0.0021	+/-1.0	
Calibration Blank (0C02025-CCB3)			Lab File ID: ECD2F027.D		Analyzed: 03/02/20 16:29			
Decachlorobiphenyl (Surr)	100	105	43 - 120	9.523	9.528143	-0.0051	+/-1.0	
Calibration Check (0C02025-CCV4)			Lab File ID: ECD2F032.D		Analyzed: 03/02/20 18:00			
Decachlorobiphenyl (Surr)	250	101	80 - 120	9.524	9.528143	-0.0041	+/-1.0	
Calibration Blank (0C02025-CCB4)			Lab File ID: ECD2F033.D		Analyzed: 03/02/20 18:17			
Decachlorobiphenyl (Surr)	100	97	43 - 120	9.525	9.528143	-0.0031	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT 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: 0C02026

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0A1501

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0C02026-CCV1)			Lab File ID: ECD2R002.D		Analyzed: 03/02/20 07:54			
Decachlorobiphenyl (Surr)	250	105	80 - 120	10.534	10.55114	-0.0171	+/-1.0	
Calibration Blank (0C02026-CCB1)			Lab File ID: ECD2R003.D		Analyzed: 03/02/20 08:12			
Decachlorobiphenyl (Surr)	100	100	43 - 120	10.533	10.55114	-0.0181	+/-1.0	
Calibration Check (0C02026-CCV2)			Lab File ID: ECD2R010.D		Analyzed: 03/02/20 10:15			
Decachlorobiphenyl (Surr)	250	106	80 - 120	10.535	10.55114	-0.0161	+/-1.0	
Calibration Blank (0C02026-CCB2)			Lab File ID: ECD2R011.D		Analyzed: 03/02/20 10:32			
Decachlorobiphenyl (Surr)	100	105	43 - 120	10.532	10.55114	-0.0191	+/-1.0	
PDI-022SC-A-05-06-191016 (A0B0681-03RE1)			Lab File ID: ECD2R014.D		Analyzed: 03/02/20 12:41			
Decachlorobiphenyl (Surr)	18.2	94	43 - 120	10.537	10.55114	-0.0141	+/-1.0	
Matrix Spike (0020917-MS1)			Lab File ID: ECD2R016.D		Analyzed: 03/02/20 13:16			
Decachlorobiphenyl (Surr)	18.2	92	43 - 120	10.535	10.55114	-0.0161	+/-1.0	
Matrix Spike Dup (0020917-MSD1)			Lab File ID: ECD2R018.D		Analyzed: 03/02/20 13:51			
Decachlorobiphenyl (Surr)	18.2	92	43 - 120	10.534	10.55114	-0.0171	+/-1.0	
PDI-022SC-A-06-07-191016 (A0B0681-04RE1)			Lab File ID: ECD2R020.D		Analyzed: 03/02/20 14:26			
Decachlorobiphenyl (Surr)	18.3	91	43 - 120	10.534	10.55114	-0.0171	+/-1.0	
Calibration Check (0C02026-CCV3)			Lab File ID: ECD2R022.D		Analyzed: 03/02/20 15:01			
Decachlorobiphenyl (Surr)	250	120	80 - 120	10.535	10.55114	-0.0161	+/-1.0	
Calibration Blank (0C02026-CCB3)			Lab File ID: ECD2R023.D		Analyzed: 03/02/20 15:19			
Decachlorobiphenyl (Surr)	100	112	43 - 120	10.535	10.55114	-0.0161	+/-1.0	
PDI-059SC-A-11-12-191016 (A0B0681-05RE1)			Lab File ID: ECD2R024.D		Analyzed: 03/02/20 15:37			
Decachlorobiphenyl (Surr)	21.6	59	43 - 120	10.536	10.55114	-0.0151	+/-1.0	
Calibration Check (0C02026-CCV4)			Lab File ID: ECD2R026.D		Analyzed: 03/02/20 16:12			
Decachlorobiphenyl (Surr)	250	118	80 - 120	10.533	10.55114	-0.0181	+/-1.0	
Calibration Blank (0C02026-CCB4)			Lab File ID: ECD2R027.D		Analyzed: 03/02/20 16:29			
Decachlorobiphenyl (Surr)	100	107	43 - 120	10.536	10.55114	-0.0151	+/-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-022SC-A-03-04-191016	10/16/19 13:39	10/17/19 14:10	03/02/20 07:03	137.73	365.00	03/02/20 14:26	0.31	40.00	
PDI-022SC-A-04-05-191016	10/16/19 13:39	10/17/19 14:10	03/02/20 07:03	137.73	365.00	03/02/20 15:01	0.33	40.00	
PDI-022SC-A-05-06-191016	10/16/19 13:39	10/17/19 14:10	03/02/20 07:03	137.73	365.00	03/02/20 12:41	0.23	40.00	
PDI-022SC-A-06-07-191016	10/16/19 13:39	10/17/19 14:10	03/02/20 07:03	137.73	365.00	03/02/20 14:26	0.31	40.00	
PDI-059SC-A-11-12-191016	10/16/19 07:55	10/17/19 14:10	03/02/20 07:03	137.96	365.00	03/02/20 15:37	0.36	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-022SC-A-03-04-191016</u>	<u>A0B0681-01</u>	<u>Sediment</u>
<u>PDI-022SC-A-04-05-191016</u>	<u>A0B0681-02</u>	<u>Sediment</u>
<u>PDI-022SC-A-05-06-191016</u>	<u>A0B0681-03</u>	<u>Sediment</u>
<u>PDI-022SC-A-06-07-191016</u>	<u>A0B0681-04</u>	<u>Sediment</u>
<u>PDI-059SC-A-11-12-191016</u>	<u>A0B0681-05</u>	<u>Sediment</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

3/25/2020 12:45PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

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

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

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-022SC-A-03-04-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-01RE1</u>	File ID: <u>ECD5-02282016.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/26/20 15:21</u>	Analyzed: <u>02/28/20 16:20</u>
Solids: <u>79.61</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.73 g / 10 mL</u>
Batch: <u>0020823</u>	Sequence: <u>0B28031</u>	Calibration: <u>A0C0203</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	2.34	U
3424-82-6	2,4'-DDE [2C]	2	2.34	U
789-02-6	2,4'-DDT [2C]	2	2.34	U
72-54-8	4,4'-DDD [2C]	2	2.34	U
72-55-9	4,4'-DDE [2C]	2	2.34	U
50-29-3	4,4'-DDT [2C]	2	4.68	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	58.5	40.0	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	58.5	55.2	94	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-022SC-A-04-05-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-02RE1</u>	File ID: <u>ECD5-02282020.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/26/20 15:21</u>	Analyzed: <u>02/28/20 17:29</u>
Solids: <u>89.58</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.3 g / 10 mL</u>
Batch: <u>0020823</u>	Sequence: <u>0B28031</u>	Calibration: <u>A0C0203</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	5.42	U
3424-82-6	2,4'-DDE [2C]	5	5.42	U
789-02-6	2,4'-DDT [2C]	5	5.42	U
72-54-8	4,4'-DDD [2C]	5	5.42	U
72-55-9	4,4'-DDE [2C]	5	5.42	U
50-29-3	4,4'-DDT [2C]	5	14.6	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	54.2	39.1	72	42 - 129	
Decachlorobiphenyl (Surr) [2C]	54.2	59.6	110	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-022SC-A-05-06-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-03RE1</u>	File ID: <u>ECD5-02282009.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/26/20 15:21</u>	Analyzed: <u>02/28/20 14:20</u>
Solids: <u>91.18</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.2 g / 10 mL</u>
Batch: <u>0020823</u>	Sequence: <u>0B28031</u>	Calibration: <u>A0C0203</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.08	U
3424-82-6	2,4'-DDE [2C]	1	1.08	U
789-02-6	2,4'-DDT [2C]	1	1.08	U
72-54-8	4,4'-DDD [2C]	1	1.08	U
72-55-9	4,4'-DDE [2C]	1	1.08	U
50-29-3	4,4'-DDT [2C]	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) [2C]	53.8	28.4	53	42 - 129	
Decachlorobiphenyl (Surr) [2C]	53.8	40.9	76	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-022SC-A-06-07-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-04RE1</u>	File ID: <u>ECD5-02282010.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/26/20 15:21</u>	Analyzed: <u>02/28/20 14:37</u>
Solids: <u>90.76</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.58 g / 10 mL</u>
Batch: <u>0020823</u>	Sequence: <u>0B28031</u>	Calibration: <u>A0C0203</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.04	U
3424-82-6	2,4'-DDE [2C]	1	1.04	U
789-02-6	2,4'-DDT [2C]	1	1.04	U
72-54-8	4,4'-DDD [2C]	1	1.04	U
72-55-9	4,4'-DDE [2C]	1	1.04	U
50-29-3	4,4'-DDT [2C]	1	1.04	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	52.1	29.7	57	42 - 129	
Decachlorobiphenyl (Surr) [2C]	52.1	42.6	82	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-059SC-A-11-12-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-05RE1</u>	File ID: <u>ECD5-02282028.D</u>
Sampled: <u>10/16/19 07:55</u>	Prepared: <u>02/26/20 15:21</u>	Analyzed: <u>02/28/20 19:46</u>
Solids: <u>76.47</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.8 g / 10 mL</u>
Batch: <u>0020823</u>	Sequence: <u>0B28031</u>	Calibration: <u>A0C0203</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	50	60.5	U
3424-82-6	2,4'-DDE [2C]	50	60.5	U
789-02-6	2,4'-DDT [2C]	50	60.5	U
72-54-8	4,4'-DDD	50	60.5	U
72-55-9	4,4'-DDE [2C]	50	60.5	U
50-29-3	4,4'-DDT [2C]	50	139	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	60.5	41.2	68	42 - 129	D
Decachlorobiphenyl (Surr) [2C]	60.5	111	183	55 - 130	D

* 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: 0020823

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0020823-BLK1	ECD5-02282007.D	02/26/20 10:14	
LCS	0020823-BS1	ECD5-02282008.D	02/26/20 10:14	
PDI-022SC-A-04-05-191016 (Dup)	0020823-DUP1	ECD5-02282024.D	02/26/20 10:14	
PDI-022SC-A-06-07-191016 (MS)	0020823-MS1	ECD5-02282011.D	02/26/20 10:14	
PDI-022SC-A-06-07-191016 (MSD)	0020823-MSD1	ECD5-02282012.D	02/26/20 10:14	
PDI-022SC-A-03-04-191016	A0B0681-01RE1	ECD5-02282016.D	02/26/20 15:21	
PDI-022SC-A-04-05-191016	A0B0681-02RE1	ECD5-02282020.D	02/26/20 15:21	
PDI-022SC-A-05-06-191016	A0B0681-03RE1	ECD5-02282009.D	02/26/20 15:21	
PDI-022SC-A-06-07-191016	A0B0681-04RE1	ECD5-02282010.D	02/26/20 15:21	
PDI-059SC-A-11-12-191016	A0B0681-05RE1	ECD5-02282028.D	02/26/20 15:21	

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

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

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>0020823-BLK1</u>	File ID: <u>ECD5-02282007.D</u>
Prepared: <u>02/26/20 10:14</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>02/28/20 13:45</u>	Instrument: <u>DUALECD5</u>	
Batch: <u>0020823</u>	Sequence: <u>0B28031</u>	Calibration: <u>A0C0203</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	45.5	30.6	67	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	37.2	82	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: 0020823

Laboratory ID: 0020823-BS1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	40.8	82	50 - 150
2,4'-DDE [2C]	50.0	38.9	78	50 - 150
2,4'-DDT [2C]	50.0	50.4	101	50 - 150
4,4'-DDD [2C]	50.0	45.7	91	50 - 150
4,4'-DDE [2C]	50.0	43.8	88	50 - 150
4,4'-DDT [2C]	50.0	55.7	111	50 - 150

* = Values outside of QC limits

DUPLICATES

PDI-022SC-A-04-05-191016

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: 0020823-DUP1

Batch: 0020823

Lab Source ID: A0B0681-02RE1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.31 g / 10 mL

Source Sample Name: PDI-022SC-A-04-05-191016

% Solids: 89.58

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
2,4'-DDD [2C]	30	2.55		ND				EPA 8081B
2,4'-DDE [2C]	30	3.90		ND				EPA 8081B
2,4'-DDT [2C]	30	1.46		ND				EPA 8081B
4,4'-DDD [2C]	30	4.12		ND				EPA 8081B
4,4'-DDE [2C]	30	1.25		ND				EPA 8081B
4,4'-DDT [2C]	30	14.4		ND				EPA 8081B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**PDI-022SC-A-06-07-191016****EPA 8081B**Laboratory: Apex LaboratoriesSDG: Gasco PreRD_DG 2019Client: Anchor QEA, LLCProject: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing CMatrix: SedimentBatch: 0020823Laboratory ID: 0020823-MS1Preparation: EPA 3546/3640A (GPC)Initial/Final: 10.67 g / 10 mLSource Sample Name: PDI-022SC-A-06-07-191016

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 [2C]	51.6	ND	36.7	71	50 - 150
2,4'-DDE [2C]	51.6	ND	29.6	57	50 - 150
2,4'-DDT [2C]	51.6	ND	44.0	85	50 - 150
4,4'-DDD [2C]	51.6	ND	42.5	82	50 - 150
4,4'-DDE [2C]	51.6	ND	34.7	67	50 - 150
4,4'-DDT [2C]	51.6	ND	50.3	97	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

PDI-022SC-A-06-07-191016

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: 0020823

Laboratory ID: 0020823-MSD1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.48 g / 10 mL

Source Sample Name: PDI-022SC-A-06-07-191016

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
2,4'-DDD [2C]	52.6	41.3	79	12	35	50 - 150
2,4'-DDE [2C]	52.6	34.5	66	15	35	50 - 150
2,4'-DDT [2C]	52.6	47.9	91	9	35	50 - 150
4,4'-DDD [2C]	52.6	48.6	93	14	30	50 - 150
4,4'-DDE [2C]	52.6	38.3	73	10	30	50 - 150
4,4'-DDT [2C]	52.6	57.0	108	13	30	50 - 150

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: 0B25043

Instrument: DUALECD5

Matrix: Water

Calibration: A0C0203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0B25043-ICB1	ECD5-02252007.D	02/25/20 14:04
Cal Standard	0B25043-CAL1	ECD5-02252008.D	02/25/20 14:22
Cal Standard	0B25043-CAL2	ECD5-02252009.D	02/25/20 14:39
Cal Standard	0B25043-CAL3	ECD5-02252010.D	02/25/20 14:56
Cal Standard	0B25043-CAL4	ECD5-02252011.D	02/25/20 15:13
Cal Standard	0B25043-CAL5	ECD5-02252012.D	02/25/20 15:30
Cal Standard	0B25043-CAL6	ECD5-02252013.D	02/25/20 15:47
Cal Standard	0B25043-CAL7	ECD5-02252014.D	02/25/20 16:05
Cal Standard	0B25043-CAL8	ECD5-02252015.D	02/25/20 16:22
Cal Standard	0B25043-CAL9	ECD5-02252016.D	02/25/20 16:39
Initial Cal Check	0B25043-ICV1	ECD5-02252018.D	02/25/20 17:13
Cal Standard	0B25043-CALA	ECD5-02252019.D	02/25/20 17:30
Cal Standard	0B25043-CALB	ECD5-02252020.D	02/25/20 17:47
Cal Standard	0B25043-CALC	ECD5-02252021.D	02/25/20 18:05
Cal Standard	0B25043-CALD	ECD5-02252022.D	02/25/20 18:22
Cal Standard	0B25043-CALE	ECD5-02252023.D	02/25/20 18:39
Cal Standard	0B25043-CALF	ECD5-02252024.D	02/25/20 18:56
Cal Standard	0B25043-CALG	ECD5-02252025.D	02/25/20 19:13
Cal Standard	0B25043-CALH	ECD5-02252026.D	02/25/20 19:30
Cal Standard	0B25043-CALI	ECD5-02252027.D	02/25/20 19:47
Initial Cal Check	0B25043-ICV2	ECD5-02252029.D	02/25/20 20:22

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.

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: 0B28031

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0C0203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0B28031-CCV1	ECD5-02282004.D	02/28/20 12:54
Calibration Check	0B28031-CCV2	ECD5-02282005.D	02/28/20 13:11
Calibration Blank	0B28031-CCB1	ECD5-02282006.D	02/28/20 13:28
Blank	0020823-BLK1	ECD5-02282007.D	02/28/20 13:45
LCS	0020823-BS1	ECD5-02282008.D	02/28/20 14:02
PDI-022SC-A-05-06-191016	A0B0681-03RE1	ECD5-02282009.D	02/28/20 14:20
PDI-022SC-A-06-07-191016	A0B0681-04RE1	ECD5-02282010.D	02/28/20 14:37
PDI-022SC-A-06-07-191016 (MS)	0020823-MS1	ECD5-02282011.D	02/28/20 14:54
PDI-022SC-A-06-07-191016 (MSD)	0020823-MSD1	ECD5-02282012.D	02/28/20 15:11
Calibration Check	0B28031-CCV3	ECD5-02282013.D	02/28/20 15:28
Calibration Check	0B28031-CCV4	ECD5-02282014.D	02/28/20 15:45
Calibration Blank	0B28031-CCB2	ECD5-02282015.D	02/28/20 16:03
PDI-022SC-A-03-04-191016	A0B0681-01RE1	ECD5-02282016.D	02/28/20 16:20
PDI-022SC-A-04-05-191016	A0B0681-02RE1	ECD5-02282020.D	02/28/20 17:29
PDI-022SC-A-04-05-191016 (Dup)	0020823-DUP1	ECD5-02282024.D	02/28/20 18:37
PDI-059SC-A-11-12-191016	A0B0681-05RE1	ECD5-02282028.D	02/28/20 19:46
Calibration Check	0B28031-CCV5	ECD5-02282032.D	02/28/20 20:54
Calibration Check	0B28031-CCV6	ECD5-02282033.D	02/28/20 21:11
Calibration Blank	0B28031-CCB3	ECD5-02282034.D	02/28/20 21:29

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

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

INITIAL CALIBRATION DATA (Summary)

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: A0C0203

Date: 03/02/20 12:04

Instrument: DUALECD5

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD [2C]	208910.1	Ave	7.599234	8.561333	1.312693E-02			20	
2,4'-DDE [2C]	235388.6	Ave	6.819003	8.187444	7.922065E-03			20	
2,4'-DDT [2C]	182437.7	XXX	17.49711	8.787111	8.229579E-03				
4,4'-DDD	186335.5	Ave	6.375129	8.069555	0.0114943			20	
4,4'-DDD [2C]	278663.1	XXX	10.55952	8.826778	2.576589E-03				
4,4'-DDE [2C]	343583.2	XXX	10.2076	8.41	1.646806E-02				
4,4'-DDT [2C]	197627.8	XXX	22.37461	9.054667	1.047244E-02				
2,4,5,6-TCMX (Surr) [2C]	344409	Ave	8.036378	6.048667	1.469855E-02			20	
Decachlorobiphenyl (Surr) [2C]	193950.5	Ave	8.975207	10.634	2.023265E-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 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0C0203

Instrument: DUALECD5

Calibration Date: 03/02/20 12:04

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
4,4'-DDD	0.5	201680	1	184468	2	185966	5	177141	10	184596.9	25	164256
4,4'-DDD [2C]	0.5	270360	1	259515	2	255825.5	5	253461.6	10	270239.7	25	251110.4
4,4'-DDE	0.5	231100	1	219730	2	216781	5	216921.2	10	220771.8	25	213925
4,4'-DDE [2C]	0.5	323102	1	311134	2	313038.5	5	310700.8	10	333792.7	25	338209.3
4,4'-DDT	0.5	146496	1	136646	2	136776.5	5	135541	10	145772.4	25	133240.4
4,4'-DDT [2C]	0.5	162852	1	152974	2	162515	5	168034.2	10	184988.2	25	185308.8
2,4,5,6-TCMX (Surr)	0.5	249112	1	233699	2	219710	5	200797.6	10	199811	25	194861.4
2,4,5,6-TCMX (Surr) [2C]	0.5	387054	1	352114	2	343548.5	5	309234.6	10	313692.3	25	312746.7
Decachlorobiphenyl (Surr)	0.5	234074	1	200173	2	180069	5	159973.8	10	161901.5	25	144414.9
Decachlorobiphenyl (Surr) [2C]	0.5	228864	1	203741	2	192079.5	5	175177.6	10	178207.9	25	173636.3

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0C0203

Instrument: DUALECD5

Matrix:

Calibration Date: 03/02/20 12:04

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
2,4'-DDD							0.5	152024	1	147365	2	139420.5
2,4'-DDD [2C]							0.5	224902	1	217911	2	201473.5
2,4'-DDE							0.5	165832	1	162790	2	154486.5
2,4'-DDE [2C]							0.5	243262	1	234158	2	225358
2,4'-DDT							0.5	127196	1	121988	2	123617.5
2,4'-DDT [2C]							0.5	158418	1	155855	2	161424.5
4,4'-DDD	50	196269.1	100	200441.9	200	182200.7						
4,4'-DDD [2C]	50	302650	100	329573.2	200	315232.1						
4,4'-DDE	50	244652.6	100	243488.2	200	221502.8						
4,4'-DDE [2C]	50	379691.2	100	404946.8	200	377634						
4,4'-DDT	50	162020.2	100	168713.9	200	164548.3						
4,4'-DDT [2C]	50	236353.6	100	259576.8	200	266047.7						
2,4,5,6-TCMX (Surr)	50	214633	100	218121.2	200	203580.4						
2,4,5,6-TCMX (Surr) [2C]	50	356445.2	100	374100.9	200	350744.7						
Decachlorobiphenyl (Surr)	50	166112.1	100	169111.2	200	154311.3						
Decachlorobiphenyl (Surr) [2C]	50	195835.5	100	203379.8	200	194633.4						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0C0203

Instrument: DUALECD5

Matrix:

Calibration Date: 03/02/20 12:04

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
2,4'-DDD	5	142110	10	127928.7	25	125854.2	50	121662.4	100	137564.4	200	139238
2,4'-DDD [2C]	5	205957.2	10	193151.5	25	194088.9	50	188847.1	100	220018.5	200	233841.4
2,4'-DDE	5	156855.8	10	146985.1	25	145161.5	50	134012.6	100	151043.2	200	155684.6
2,4'-DDE [2C]	5	234470.2	10	221341.5	25	222812.6	50	218949.4	100	250453.9	200	267691.4
2,4'-DDT	5	128730.4	10	118803.2	25	124721	50	122057.2	100	147129.4	200	149554.3
2,4'-DDT [2C]	5	170763.2	10	164164.1	25	179092	50	179660.3	100	227937.6	200	244625

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP</u>
Instrument ID: <u>DUALECD5</u>	Calibration: <u>AOC0203</u>
Lab File ID: <u>ECD5-02252018.D</u>	
Sequence: <u>0B25043</u>	Inject Date: <u>02/25/20</u>
Lab Sample ID: <u>0B25043-ICV1</u>	Inject Time: <u>17:13</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	48.2	-3.6	70 - 130
4,4'-DDD [2C]	50.0	49.4	-1.1	70 - 130
4,4'-DDE	50.0	48.9	-2.2	70 - 130
4,4'-DDE [2C]	50.0	48.6	-2.8	70 - 130
4,4'-DDT	50.0	50.5	1.0	70 - 130
4,4'-DDT [2C]	50.0	50.9	1.8	70 - 130
2,4,5,6-TCMX (Surr)	50.0	45.0	-9.9	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	46.4	-7.2	70 - 130
Decachlorobiphenyl (Surr)	50.0	47.3	-5.5	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	45.8	-8.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD5 Calibration: AOC0203
Lab File ID: ECD5-02252029.D
Sequence: 0B25043 Inject Date: 02/25/20
Lab Sample ID: 0B25043-ICV2 Inject Time: 20:22

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	47.5	-4.9	70 - 130
2,4'-DDD [2C]	50.0	49.7	-0.6	70 - 130
2,4'-DDE	50.0	48.9	-2.2	70 - 130
2,4'-DDE [2C]	50.0	49.9	-0.2	70 - 130
2,4'-DDT	50.0	52.0	4.1	70 - 130
2,4'-DDT [2C]	50.0	53.8	7.6	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C0203

Lab File ID: ECD5-02282004.D

Calibration Date: 03/02/20 12:04

Sequence: 0B28031

Injection Date: 02/28/20

Lab Sample ID: 0B28031-CCV1

Injection Time: 12:54

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	53.2		186335.5	198185.4	6.4	20
4,4'-DDD [2C]	XXX	50.0	55.1	10.1				20
4,4'-DDE	Ave	50.0	53.1		225430.3	239423.6	6.2	20
4,4'-DDE [2C]	XXX	50.0	54.2	8.5				20
4,4'-DDT	XXX	50.0	58.8	17.5				20
4,4'-DDT [2C]	XXX	50.0	59.6	19.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C0203

Lab File ID: ECD5-02282005.D

Calibration Date: 03/02/20 12:04

Sequence: 0B28031

Injection Date: 02/28/20

Lab Sample ID: 0B28031-CCV2

Injection Time: 13:11

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	42.0		137018.6	115154.9	-16.0	20
2,4'-DDD [2C]	Ave	50.0	44.2		208910.1	184688.6	-11.6	20
2,4'-DDE	Ave	50.0	43.5		152539	132780	-13.0	20
2,4'-DDE [2C]	Ave	50.0	45.0		235388.6	212031.4	-9.9	20
2,4'-DDT	Ave	50.0	48.5		129310.8	125464.1	-3.0	20
2,4'-DDT [2C]	XXX	50.0	51.2	2.5				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C0203

Lab File ID: ECD5-02282013.D

Calibration Date: 03/02/20 12:04

Sequence: 0B28031

Injection Date: 02/28/20

Lab Sample ID: 0B28031-CCV3

Injection Time: 15:28

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	111		186335.5	207267	11.2	20
4,4'-DDD [2C]	XXX	100	108	7.8				20
4,4'-DDE	Ave	100	108		225430.3	242859	7.7	20
4,4'-DDE [2C]	XXX	100	107	7.3				20
4,4'-DDT	XXX	100	112	12.2				20
4,4'-DDT [2C]	XXX	100	108	8.5				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C0203

Lab File ID: ECD5-02282014.D

Calibration Date: 03/02/20 12:04

Sequence: 0B28031

Injection Date: 02/28/20

Lab Sample ID: 0B28031-CCV4

Injection Time: 15:45

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	96.2		137018.6	131831.7	-3.8	20
2,4'-DDD [2C]	Ave	100	101		208910.1	210115.7	0.6	20
2,4'-DDE	Ave	100	94.8		152539	144548.1	-5.2	20
2,4'-DDE [2C]	Ave	100	99.2		235388.6	233625.4	-0.7	20
2,4'-DDT	Ave	100	106		129310.8	137196	6.1	20
2,4'-DDT [2C]	XXX	100	98.8	-1.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C0203

Lab File ID: ECD5-02282032.D

Calibration Date: 03/02/20 12:04

Sequence: 0B28031

Injection Date: 02/28/20

Lab Sample ID: 0B28031-CCV5

Injection Time: 20:54

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	56.9		186335.5	212009.6	13.8	20
4,4'-DDD [2C]	XXX	50.0	58.4	16.8				20
4,4'-DDE	Ave	50.0	54.7		225430.3	246722.8	9.4	20
4,4'-DDE [2C]	XXX	50.0	56.2	12.4				20
4,4'-DDT	XXX	50.0	58.8	17.6				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: DUALECD5

Calibration: A0C0203

Lab File ID: ECD5-02282033.D

Calibration Date: 03/02/20 12:04

Sequence: 0B28031

Injection Date: 02/28/20

Lab Sample ID: 0B28031-CCV6

Injection Time: 21:11

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	44.9		137018.6	123041.8	-10.2	20
2,4'-DDD [2C]	Ave	50.0	47.4		208910.1	198233.9	-5.1	20
2,4'-DDE	Ave	50.0	44.9		152539	137062.8	-10.1	20
2,4'-DDE [2C]	Ave	50.0	45.6		235388.6	214623	-8.8	20
2,4'-DDT	Ave	50.0	50.4		129310.8	130223.8	0.7	20
2,4'-DDT [2C]	XXX	50.0	50.2	0.3				20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0B25043</u>	Instrument: <u>DUALECD5</u>
Matrix: <u>Water</u>	Calibration: <u>A0C0203</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0B25043-ICV1)			Lab File ID: ECD5-02252018.D		Analyzed: 02/25/20 17:13			
2,4,5,6-TCMX (Surr)	50.0	90	70 - 130	5.458	5.459778	-0.0018	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	93	70 - 130	6.047	6.048667	-0.0017	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	95	70 - 130	9.66	9.661444	-0.0014	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	92	70 - 130	10.632	10.634	-0.0020	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0B28031
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: DUALECD5
 Calibration: A0C0203

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0B28031-CCV1) Lab File ID: ECD5-02282004.D Analyzed: 02/28/20 12:54								
2,4,5,6-TCMX (Surr)	50.0	102	80 - 120	5.459	5.459778	-0.0008	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	104	80 - 120	6.049	6.048667	0.0003	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	109	80 - 120	9.661	9.661444	-0.0004	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	80 - 120	10.635	10.634	0.0010	+/-1.0	
Calibration Blank (0B28031-CCB1) Lab File ID: ECD5-02282006.D Analyzed: 02/28/20 13:28								
2,4,5,6-TCMX (Surr) [2C]	100	97	42 - 129	6.048	6.048667	-0.0007	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	96	55 - 130	10.634	10.634	0.0000	+/-1.0	
Blank (0020823-BLK1) Lab File ID: ECD5-02282007.D Analyzed: 02/28/20 13:45								
2,4,5,6-TCMX (Surr) [2C]	45.5	67	42 - 129	6.047	6.048667	-0.0017	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	82	55 - 130	10.633	10.634	-0.0010	+/-1.0	
LCS (0020823-BS1) Lab File ID: ECD5-02282008.D Analyzed: 02/28/20 14:02								
2,4,5,6-TCMX (Surr) [2C]	50.0	69	42 - 129	6.049	6.048667	0.0003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	86	55 - 130	10.635	10.634	0.0010	+/-1.0	
PDI-022SC-A-05-06-191016 (A0B0681-03RE1) Lab File ID: ECD5-02282009.D Analyzed: 02/28/20 14:20								
2,4,5,6-TCMX (Surr) [2C]	53.8	53	42 - 129	6.046	6.048667	-0.0027	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	53.8	76	55 - 130	10.632	10.634	-0.0020	+/-1.0	
PDI-022SC-A-06-07-191016 (A0B0681-04RE1) Lab File ID: ECD5-02282010.D Analyzed: 02/28/20 14:37								
2,4,5,6-TCMX (Surr) [2C]	52.1	57	42 - 129	6.047	6.048667	-0.0017	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	52.1	82	55 - 130	10.634	10.634	0.0000	+/-1.0	
Matrix Spike (0020823-MS1) Lab File ID: ECD5-02282011.D Analyzed: 02/28/20 14:54								
2,4,5,6-TCMX (Surr) [2C]	51.6	48	42 - 129	6.046	6.048667	-0.0027	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	51.6	79	55 - 130	10.632	10.634	-0.0020	+/-1.0	
Matrix Spike Dup (0020823-MSD1) Lab File ID: ECD5-02282012.D Analyzed: 02/28/20 15:11								
2,4,5,6-TCMX (Surr) [2C]	52.6	50	42 - 129	6.046	6.048667	-0.0027	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	52.6	79	55 - 130	10.632	10.634	-0.0020	+/-1.0	
Calibration Check (0B28031-CCV3) Lab File ID: ECD5-02282013.D Analyzed: 02/28/20 15:28								
2,4,5,6-TCMX (Surr)	100	101	80 - 120	5.457	5.459778	-0.0028	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	106	80 - 120	6.048	6.048667	-0.0007	+/-1.0	
Decachlorobiphenyl (Surr)	100	106	80 - 120	9.659	9.661444	-0.0024	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	103	80 - 120	10.633	10.634	-0.0010	+/-1.0	
Calibration Blank (0B28031-CCB2) Lab File ID: ECD5-02282015.D Analyzed: 02/28/20 16:03								
2,4,5,6-TCMX (Surr) [2C]	100	96	42 - 129	6.048	6.048667	-0.0007	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	92	55 - 130	10.633	10.634	-0.0010	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0B28031
 Matrix: Sediment

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD5
 Calibration: A0C0203

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
PDI-022SC-A-03-04-191016 (A0B0681-01RE1)			Lab File ID: ECD5-02282016.D Analyzed: 02/28/20 16:20					
2,4,5,6-TCMX (Surr) [2C]	58.5	68	42 - 129	6.046	6.048667	-0.0027	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	58.5	94	55 - 130	10.633	10.634	-0.0010	+/-1.0	
PDI-022SC-A-04-05-191016 (A0B0681-02RE1)			Lab File ID: ECD5-02282020.D Analyzed: 02/28/20 17:29					
2,4,5,6-TCMX (Surr) [2C]	54.2	72	42 - 129	6.047	6.048667	-0.0017	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	54.2	110	55 - 130	10.633	10.634	-0.0010	+/-1.0	
Duplicate (0020823-DUP1)			Lab File ID: ECD5-02282024.D Analyzed: 02/28/20 18:37					
2,4,5,6-TCMX (Surr) [2C]	54.1	69	42 - 129	6.049	6.048667	0.0003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	54.1	111	55 - 130	10.636	10.634	0.0020	+/-1.0	
PDI-059SC-A-11-12-191016 (A0B0681-05RE1)			Lab File ID: ECD5-02282028.D Analyzed: 02/28/20 19:46					
2,4,5,6-TCMX (Surr) [2C]	60.5	68	42 - 129	6.047	6.048667	-0.0017	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	60.5	183	55 - 130	10.636	10.634	0.0020	+/-1.0	*
Calibration Check (0B28031-CCV5)			Lab File ID: ECD5-02282032.D Analyzed: 02/28/20 20:54					
2,4,5,6-TCMX (Surr)	50.0	105	80 - 120	5.458	5.459778	-0.0018	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	106	80 - 120	6.049	6.048667	0.0003	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	107	80 - 120	9.661	9.661444	-0.0004	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	108	80 - 120	10.634	10.634	0.0000	+/-1.0	
Calibration Blank (0B28031-CCB3)			Lab File ID: ECD5-02282034.D Analyzed: 02/28/20 21:29					
2,4,5,6-TCMX (Surr) [2C]	100	98	42 - 129	6.047	6.048667	-0.0017	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	100	55 - 130	10.633	10.634	-0.0010	+/-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-022SC-A-03-04-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 15:21	133.07	14.00	02/28/20 16:20	2.04	40.00	*
PDI-022SC-A-04-05-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 15:21	133.07	14.00	02/28/20 17:29	2.09	40.00	*
PDI-022SC-A-05-06-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 15:21	133.07	14.00	02/28/20 14:20	1.96	40.00	*
PDI-022SC-A-06-07-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 15:21	133.07	14.00	02/28/20 14:37	1.97	40.00	*
PDI-059SC-A-11-12-191016	10/16/19 07:55	10/17/19 14:10	02/26/20 15:21	133.31	14.00	02/28/20 19:46	2.18	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-022SC-A-03-04-191016</u>	<u>A0B0681-01</u>	<u>Sediment</u>
<u>PDI-022SC-A-04-05-191016</u>	<u>A0B0681-02</u>	<u>Sediment</u>
<u>PDI-022SC-A-05-06-191016</u>	<u>A0B0681-03</u>	<u>Sediment</u>
<u>PDI-022SC-A-06-07-191016</u>	<u>A0B0681-04</u>	<u>Sediment</u>
<u>PDI-059SC-A-11-12-191016</u>	<u>A0B0681-05</u>	<u>Sediment</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

3/25/2020 12:45PM

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-022SC-A-03-04-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-01</u>	File ID: <u>N02262014.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/26/20 10:13</u>	Analyzed: <u>02/26/20 16:41</u>
Solids: <u>79.61</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.6 g / 5 mL</u>
Batch: <u>0020795</u>	Sequence: <u>0B26029</u>	Calibration: <u>A911001</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	200	1220	D
208-96-8	Acenaphthylene	200	750	D
120-12-7	Anthracene	200	3020	D
56-55-3	Benz(a)anthracene	200	2550	D
50-32-8	Benzo(a)pyrene	200	3340	D
205-99-2	Benzo(b)fluoranthene	200	2920	D
207-08-9	Benzo(k)fluoranthene	200	997	D
191-24-2	Benzo(g,h,i)perylene	200	2670	D
218-01-9	Chrysene	200	3650	D
53-70-3	Dibenz(a,h)anthracene	200	296	U
206-44-0	Fluoranthene	200	10600	D
86-73-7	Fluorene	200	1230	D
193-39-5	Indeno(1,2,3-cd)pyrene	200	2300	D
91-57-6	2-Methylnaphthalene	200	296	U
91-20-3	Naphthalene	200	296	U
85-01-8	Phenanthrene	200	13100	D
129-00-0	Pyrene	200	12100	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	59.2	50.7	86	44 - 115	D
p-Terphenyl-d14 (Surr)	59.2	60.4	102	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	169124	7.755	191979	7.755	
Acenaphthene-d10 (ISTD)	111475	9.503	119599	9.509	
Phenanthrene-d10 (ISTD)	196958	11.013	223968	11.013	
Chrysene-d12 (ISTD)	161053	14.662	189183	14.668	
Perylene-d12 (ISTD)	155809	18.124	175118	18.13	
Dibenz(a,h)anthracene-d14 (ISTD)	122581	20.508	139402	20.514	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-022SC-A-04-05-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-02</u>	File ID: <u>N02272004.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/26/20 10:13</u>	Analyzed: <u>02/27/20 09:46</u>
Solids: <u>89.58</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.51 g / 5 mL</u>
Batch: <u>0020795</u>	Sequence: <u>0B27023</u>	Calibration: <u>A9I1001</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	19600	D
208-96-8	Acenaphthylene	1000	10800	D
120-12-7	Anthracene	1000	29000	D
56-55-3	Benz(a)anthracene	1000	29600	D
50-32-8	Benzo(a)pyrene	1000	41400	D
205-99-2	Benzo(b)fluoranthene	1000	38300	D
207-08-9	Benzo(k)fluoranthene	1000	13000	D
191-24-2	Benzo(g,h,i)perylene	1000	36900	D
218-01-9	Chrysene	1000	41800	D
53-70-3	Dibenz(a,h)anthracene	1000	3260	D
206-44-0	Fluoranthene	1000	138000	D
86-73-7	Fluorene	1000	15600	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	30600	D
91-57-6	2-Methylnaphthalene	1000	1330	U
91-20-3	Naphthalene	1000	1370	JBD
85-01-8	Phenanthrene	1000	183000	D
129-00-0	Pyrene	1000	173000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	53.1	64.8	122	44 - 115	D
p-Terphenyl-d14 (Surr)	53.1	95.6	180	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	169134	7.755	187473	7.749	
Acenaphthene-d10 (ISTD)	100053	9.504	111892	9.504	
Phenanthrene-d10 (ISTD)	179147	11.013	200242	11.013	
Chrysene-d12 (ISTD)	126780	14.662	136715	14.662	
Perylene-d12 (ISTD)	118022	18.124	118815	18.124	
Dibenz(a,h)anthracene-d14 (ISTD)	79595	20.508	80611	20.508	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-022SC-A-05-06-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-03RE1</u>	File ID: <u>N02282006.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/27/20 13:10</u>	Analyzed: <u>02/28/20 11:36</u>
Solids: <u>91.18</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.66 g / 5 mL</u>
Batch: <u>0020865</u>	Sequence: <u>0B28020</u>	Calibration: <u>A9I1001</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	12.5	
208-96-8	Acenaphthylene	1	1.29	U
120-12-7	Anthracene	1	1.29	U
56-55-3	Benz(a)anthracene	1	1.49	J
50-32-8	Benzo(a)pyrene	1	1.29	U
205-99-2	Benzo(b)fluoranthene	1	1.29	U
207-08-9	Benzo(k)fluoranthene	1	1.29	U
191-24-2	Benzo(g,h,i)perylene	1	1.29	U
218-01-9	Chrysene	1	2.03	J
53-70-3	Dibenz(a,h)anthracene	1	1.29	U
206-44-0	Fluoranthene	1	16.7	
86-73-7	Fluorene	1	6.92	
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.29	U
91-57-6	2-Methylnaphthalene	1	1.29	U
91-20-3	Naphthalene	1	1.35	J
85-01-8	Phenanthrene	1	23.4	
129-00-0	Pyrene	1	41.0	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	51.4	44.8	87	44 - 115	
p-Terphenyl-d14 (Surr)	51.4	51.8	101	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	166072	7.749	186082	7.749	
Acenaphthene-d10 (ISTD)	105879	9.504	118708	9.504	
Phenanthrene-d10 (ISTD)	179765	11.013	214368	11.013	
Chrysene-d12 (ISTD)	123092	14.662	174082	14.662	
Perylene-d12 (ISTD)	108198	18.124	158221	18.124	
Dibenz(a,h)anthracene-d14 (ISTD)	75911	20.508	115242	20.508	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-022SC-A-06-07-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-04RE1</u>	File ID: <u>N02282008.D</u>
Sampled: <u>10/16/19 13:39</u>	Prepared: <u>02/27/20 13:10</u>	Analyzed: <u>02/28/20 12:40</u>
Solids: <u>90.76</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.48 g / 5 mL</u>
Batch: <u>0020865</u>	Sequence: <u>0B28020</u>	Calibration: <u>A9I1001</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	6.80	
208-96-8	Acenaphthylene	1	1.31	U
120-12-7	Anthracene	1	2.06	J
56-55-3	Benz(a)anthracene	1	1.54	J
50-32-8	Benzo(a)pyrene	1	1.88	J
205-99-2	Benzo(b)fluoranthene	1	1.66	J
207-08-9	Benzo(k)fluoranthene	1	1.31	U
191-24-2	Benzo(g,h,i)perylene	1	1.74	J
218-01-9	Chrysene	1	3.06	
53-70-3	Dibenz(a,h)anthracene	1	1.31	U
206-44-0	Fluoranthene	1	6.00	
86-73-7	Fluorene	1	3.61	
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.38	J
91-57-6	2-Methylnaphthalene	1	1.31	U
91-20-3	Naphthalene	1	1.31	U
85-01-8	Phenanthrene	1	12.4	
129-00-0	Pyrene	1	10.5	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	52.6	47.3	90	44 - 115	
p-Terphenyl-d14 (Surr)	52.6	53.1	101	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	172286	7.749	186082	7.749	
Acenaphthene-d10 (ISTD)	109615	9.504	118708	9.504	
Phenanthrene-d10 (ISTD)	183557	11.013	214368	11.013	
Chrysene-d12 (ISTD)	127502	14.662	174082	14.662	
Perylene-d12 (ISTD)	109646	18.124	158221	18.124	
Dibenz(a,h)anthracene-d14 (ISTD)	77210	20.508	115242	20.508	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-059SC-A-11-12-191016

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>A0B0681-05</u>	File ID: <u>N02262022.D</u>
Sampled: <u>10/16/19 07:55</u>	Prepared: <u>02/26/20 10:13</u>	Analyzed: <u>02/26/20 20:57</u>
Solids: <u>76.47</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.44 g / 5 mL</u>
Batch: <u>0020795</u>	Sequence: <u>0B26029</u>	Calibration: <u>A9I1001</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	100000	1180000	D
208-96-8	Acenaphthylene	100000	163000	JD
120-12-7	Anthracene	100000	402000	D
56-55-3	Benz(a)anthracene	100000	290000	JD
50-32-8	Benzo(a)pyrene	100000	374000	D
205-99-2	Benzo(b)fluoranthene	100000	340000	D
207-08-9	Benzo(k)fluoranthene	100000	157000	U
191-24-2	Benzo(g,h,i)perylene	100000	327000	D
218-01-9	Chrysene	100000	326000	D
53-70-3	Dibenz(a,h)anthracene	100000	157000	U
206-44-0	Fluoranthene	100000	1290000	D
86-73-7	Fluorene	100000	593000	D
193-39-5	Indeno(1,2,3-cd)pyrene	100000	276000	JD
91-57-6	2-Methylnaphthalene	100000	1910000	D
91-20-3	Naphthalene	100000	7150000	BD
85-01-8	Phenanthrene	100000	2770000	D
129-00-0	Pyrene	100000	1590000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	62.6	0.00		44 - 115	D
p-Terphenyl-d14 (Surr)	62.6	5570	8900	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	173795	7.755	191979	7.755	
Acenaphthene-d10 (ISTD)	112687	9.504	119599	9.509	
Phenanthrene-d10 (ISTD)	195191	11.013	223968	11.013	
Chrysene-d12 (ISTD)	147003	14.662	189183	14.668	
Perylene-d12 (ISTD)	139981	18.118	175118	18.13	
Dibenz(a,h)anthracene-d14 (ISTD)	104857	20.508	139402	20.514	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0020795

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0020795-BLK1	N02262012.D	02/26/20 10:13	
LCS	0020795-BS1	N02262013.D	02/26/20 10:13	
PDI-022SC-A-03-04-191016 (Dup)	0020795-DUP1	N02262015.D	02/26/20 10:13	
PDI-059SC-A-11-12-191016 (MS)	0020795-MS1	N02262023.D	02/26/20 10:13	
PDI-059SC-A-11-12-191016 (MSD)	0020795-MSD1	N02262024.D	02/26/20 10:13	
PDI-022SC-A-03-04-191016	A0B0681-01	N02262014.D	02/26/20 10:13	
PDI-022SC-A-04-05-191016	A0B0681-02	N02272004.D	02/26/20 10:13	
PDI-059SC-A-11-12-191016	A0B0681-05	N02262022.D	02/26/20 10:13	

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

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

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0020865

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0020865-BLK1	N02282004.D	02/27/20 13:10	
LCS	0020865-BS1	N02282005.D	02/27/20 13:10	
PDI-022SC-A-06-07-191016 (Dup)	0020865-DUP1	N02282007.D	02/27/20 13:10	
PDI-022SC-A-05-06-191016 (MS)	0020865-MS1	N02282009.D	02/27/20 13:10	
PDI-022SC-A-05-06-191016 (MSD)	0020865-MSD1	N02282010.D	02/27/20 13:11	
PDI-022SC-A-05-06-191016	A0B0681-03RE1	N02282006.D	02/27/20 13:10	
PDI-022SC-A-06-07-191016	A0B0681-04RE1	N02282008.D	02/27/20 13:10	

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

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

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>0020795-BLK1</u>
Prepared: <u>02/26/20 10:13</u>	Preparation: <u>EPA 3546</u>
Analyzed: <u>02/26/20 15:37</u>	Instrument: <u>SV-GCMS14</u>
Batch: <u>0020795</u>	Sequence: <u>0B26029</u>
	File ID: <u>N02262012.D</u>
	Initial/Final: <u>11 g / 5 mL</u>
	Calibration: <u>A9I1001</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	2.45	B
85-01-8	Phenanthrene	1.66	J
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	38.7	85	44 - 115	
p-Terphenyl-d14 (Surr)	45.5	44.8	99	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	165308	7.755	191979	7.755	
Acenaphthene-d10 (ISTD)	101530	9.509	119599	9.509	
Phenanthrene-d10 (ISTD)	171868	11.013	223968	11.013	
Chrysene-d12 (ISTD)	133083	14.668	189183	14.668	
Perylene-d12 (ISTD)	125494	18.124	175118	18.13	
Dibenz(a,h)anthracene-d14 (ISTD)	106644	20.508	139402	20.514	

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>0020865-BLK1</u>
Prepared: <u>02/27/20 13:10</u>	Preparation: <u>EPA 3546</u>
Analyzed: <u>02/28/20 10:32</u>	Instrument: <u>SV-GCMS14</u>
Batch: <u>0020865</u>	Sequence: <u>0B28020</u>
	Calibration: <u>A9I1001</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	45.5	39.7	87	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	47.8	105	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	169853	7.749	186082	7.749	
Acenaphthene-d10 (ISTD)	107442	9.503	118708	9.504	
Phenanthrene-d10 (ISTD)	182010	11.013	214368	11.013	
Chrysene-d12 (ISTD)	122126	14.662	174082	14.662	
Perylene-d12 (ISTD)	105760	18.124	158221	18.124	
Dibenz(a,h)anthracene-d14 (ISTD)	78916	20.508	115242	20.508	

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: 0020795

Laboratory ID: 0020795-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	17.4	87	40 - 122
Acenaphthylene	20.0	15.2	76	32 - 132
Anthracene	20.0	16.7	83	47 - 123
Benz(a)anthracene	20.0	17.4	87	49 - 126
Benzo(a)pyrene	20.0	17.9	90	45 - 129
Benzo(b)fluoranthene	20.0	18.3	92	45 - 132
Benzo(k)fluoranthene	20.0	17.9	89	47 - 132
Benzo(g,h,i)perylene	20.0	17.8	89	43 - 134
Chrysene	20.0	18.7	93	50 - 124
Dibenz(a,h)anthracene	20.0	18.5	92	45 - 134
Fluoranthene	20.0	22.5	113	50 - 127
Fluorene	20.0	16.4	82	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	17.3	87	45 - 133
2-Methylnaphthalene	20.0	14.5	72	38 - 122
Naphthalene	20.0	19.1	96	35 - 123
Phenanthrene	20.0	25.1	125 *	50 - 121
Pyrene	20.0	21.6	108	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: 0020865

Laboratory ID: 0020865-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	19.0	95	40 - 123
Acenaphthylene	20.0	17.7	88	32 - 132
Anthracene	20.0	18.0	90	47 - 123
Benz(a)anthracene	20.0	18.0	90	49 - 126
Benzo(a)pyrene	20.0	18.7	93	45 - 129
Benzo(b)fluoranthene	20.0	19.2	96	45 - 132
Benzo(k)fluoranthene	20.0	19.3	96	47 - 132
Benzo(g,h,i)perylene	20.0	18.8	94	43 - 134
Chrysene	20.0	19.8	99	50 - 124
Dibenz(a,h)anthracene	20.0	19.6	98	45 - 134
Fluoranthene	20.0	21.1	106	50 - 127
Fluorene	20.0	17.9	90	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	18.5	92	45 - 133
2-Methylnaphthalene	20.0	16.3	81	38 - 122
Naphthalene	20.0	19.2	96	35 - 123
Phenanthrene	20.0	19.6	98	50 - 121
Pyrene	20.0	20.7	103	47 - 127

* = Values outside of QC limits

DUPLICATES

PDI-022SC-A-03-04-191016

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0020795-DUP1

Batch: 0020795

Lab Source ID: A0B0681-01

Preparation: EPA 3546

Initial/Final: 10.37 g / 5 mL

Source Sample Name: PDI-022SC-A-03-04-191016

% Solids: 79.61

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Acenaphthene	30	1220		1560		24		EPA 8270D
Acenaphthylene	30	750		879		16		EPA 8270D
Anthracene	30	3020		2850		6		EPA 8270D
Benz(a)anthracene	30	2550		2800		9		EPA 8270D
Benzo(a)pyrene	30	3340		3720		11		EPA 8270D
Benzo(b)fluoranthene	30	2920		3230		10		EPA 8270D
Benzo(k)fluoranthene	30	997		1240		22		EPA 8270D
Benzo(g,h,i)perylene	30	2670		3030		12		EPA 8270D
Chrysene	30	3650		3550		3		EPA 8270D
Dibenz(a,h)anthracene	30	258		ND				EPA 8270D
Fluoranthene	30	10600		12200		14		EPA 8270D
Fluorene	30	1230		1460		17		EPA 8270D
Indeno(1,2,3-cd)pyrene	30	2300		2620		13		EPA 8270D
2-Methylnaphthalene	30	0.00		ND				EPA 8270D
Naphthalene	30	198		2840		200	*	EPA 8270D
Phenanthrene	30	13100		15000		14		EPA 8270D
Pyrene	30	12100		14400		17		EPA 8270D

* Values outside of QC limits

DUPLICATES

PDI-022SC-A-06-07-191016

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: 0020865-DUP1

Batch: 0020865

Lab Source ID: A0B0681-04RE1

Preparation: EPA 3546

Initial/Final: 10.45 g / 5 mL

Source Sample Name: PDI-022SC-A-06-07-191016

% Solids: 90.76

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Acenaphthene	30	6.80		4.31		45	*	EPA 8270D
Acenaphthylene	30	0.657		ND				EPA 8270D
Anthracene	30	2.06		3.34		47	*	EPA 8270D
Benz(a)anthracene	30	1.54		2.72		55	*	EPA 8270D
Benzo(a)pyrene	30	1.88		3.47		60	*	EPA 8270D
Benzo(b)fluoranthene	30	1.66		3.31		67	*	EPA 8270D
Benzo(k)fluoranthene	30	0.753		1.56		200	*	EPA 8270D
Benzo(g,h,i)perylene	30	1.74		2.84		48	*	EPA 8270D
Chrysene	30	3.06		5.71		60	*	EPA 8270D
Dibenz(a,h)anthracene	30	0.254		ND				EPA 8270D
Fluoranthene	30	6.00		9.59		46	*	EPA 8270D
Fluorene	30	3.61		3.39		6		EPA 8270D
Indeno(1,2,3-cd)pyrene	30	1.38		2.49		58	*	EPA 8270D
2-Methylnaphthalene	30	0.418		ND				EPA 8270D
Naphthalene	30	1.23		5.80		200	*	EPA 8270D
Phenanthrene	30	12.4		14.4		14		EPA 8270D
Pyrene	30	10.5		15.1		36	*	EPA 8270D

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-059SC-A-11-12-191016

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: 0020795

Laboratory ID: 0020795-MS1

Preparation: EPA 3546

Initial/Final: 10.34 g / 5 mL

Source Sample Name: PDI-059SC-A-11-12-191016

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	25.3	1180000	1260000	313000 *	40 - 122
Acenaphthylene	25.3	163000	183000	77200 *	32 - 132
Anthracene	25.3	402000	421000	74400 *	47 - 123
Benzo(a)anthracene	25.3	290000	292000	5590 *	49 - 126
Benzo(a)pyrene	25.3	374000	380000	24300 *	45 - 129
Benzo(b)fluoranthene	25.3	340000	351000	41800 *	45 - 132
Benzo(k)fluoranthene	25.3	ND	ND	*	47 - 132
Benzo(g,h,i)perylene	25.3	327000	339000	47500 *	43 - 134
Chrysene	25.3	326000	367000	161000 *	50 - 124
Dibenz(a,h)anthracene	25.3	ND	ND	*	45 - 134
Fluoranthene	25.3	1290000	1410000	456000 *	50 - 127
Fluorene	25.3	593000	630000	144000 *	43 - 125
Indeno(1,2,3-cd)pyrene	25.3	276000	298000	88000 *	45 - 133
2-Methylnaphthalene	25.3	1910000	2060000	588000 *	38 - 122
Naphthalene	25.3	7150000	7800000	2560000 *	35 - 123
Phenanthrene	25.3	2770000	3050000	1140000 *	50 - 121
Pyrene	25.3	1590000	1720000	548000 *	47 - 127

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-059SC-A-11-12-191016

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: 0020795

Laboratory ID: 0020795-MSD1

Preparation: EPA 3546

Initial/Final: 10.48 g / 5 mL

Source Sample Name: PDI-059SC-A-11-12-191016

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Acenaphthene	25.0	887000	-1190000 *	35 *	30	40 - 122
Acenaphthylene	25.0	ND	-654000 *	200 *	30	32 - 132
Anthracene	25.0	307000	-382000 *	31 *	30	47 - 123
Benz(a)anthracene	25.0	218000	-287000 *	29	30	49 - 126
Benzo(a)pyrene	25.0	274000	-400000 *	32 *	30	45 - 129
Benzo(b)fluoranthene	25.0	241000	-399000 *	37 *	30	45 - 132
Benzo(k)fluoranthene	25.0	ND	*		30	47 - 132
Benzo(g,h,i)perylene	25.0	243000	-337000 *	33 *	30	43 - 134
Chrysene	25.0	258000	-270000 *	35 *	30	50 - 124
Dibenz(a,h)anthracene	25.0	ND	*		30	45 - 134
Fluoranthene	25.0	978000	-1270000 *	36 *	30	50 - 127
Fluorene	25.0	450000	-572000 *	33 *	30	43 - 125
Indeno(1,2,3-cd)pyrene	25.0	206000	-279000 *	36 *	30	45 - 133
2-Methylnaphthalene	25.0	1400000	-2010000 *	38 *	30	38 - 122
Naphthalene	25.0	5480000	-6700000 *	35 *	30	35 - 123
Phenanthrene	25.0	2170000	-2400000 *	34 *	30	50 - 121
Pyrene	25.0	1260000	-1290000 *	31 *	30	47 - 127

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-022SC-A-05-06-191016

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: 0020865

Laboratory ID: 0020865-MS1

Preparation: EPA 3546

Initial/Final: 10.67 g / 5 mL

Source Sample Name: PDI-022SC-A-05-06-191016

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	20.6	12.5	27.8	74	40 - 123
Acenaphthylene	20.6	ND	21.3	104	32 - 132
Anthracene	20.6	ND	23.0	112	47 - 123
Benz(a)anthracene	20.6	1.49	27.1	124	49 - 126
Benzo(a)pyrene	20.6	ND	31.4	153 *	45 - 129
Benzo(b)fluoranthene	20.6	ND	29.0	141 *	45 - 132
Benzo(k)fluoranthene	20.6	ND	22.2	108	47 - 132
Benzo(g,h,i)perylene	20.6	ND	30.3	148 *	43 - 134
Chrysene	20.6	2.03	30.2	137 *	50 - 124
Dibenz(a,h)anthracene	20.6	ND	18.7	91	45 - 134
Fluoranthene	20.6	16.7	57.2	197 *	50 - 127
Fluorene	20.6	6.92	25.7	92	43 - 125
Indeno(1,2,3-cd)pyrene	20.6	ND	27.8	135 *	45 - 133
2-Methylnaphthalene	20.6	ND	21.3	103	38 - 122
Naphthalene	20.6	1.35	27.0	125 *	35 - 123
Phenanthrene	20.6	23.4	58.5	171 *	50 - 121
Pyrene	20.6	41.0	72.3	152 *	47 - 127

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270D

PDI-022SC-A-05-06-191016

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: 0020865

Laboratory ID: 0020865-MSD1

Preparation: EPA 3546

Initial/Final: 10.65 g / 5 mL

Source Sample Name: PDI-022SC-A-05-06-191016

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Acenaphthene	20.6	33.4	102	18	30	40 - 123
Acenaphthylene	20.6	20.3	99	5	30	32 - 132
Anthracene	20.6	22.5	109	2	30	47 - 123
Benz(a)anthracene	20.6	21.3	96	24	30	49 - 126
Benzo(a)pyrene	20.6	20.9	101	40 *	30	45 - 129
Benzo(b)fluoranthene	20.6	21.5	104	30	30	45 - 132
Benzo(k)fluoranthene	20.6	20.3	98	9	30	47 - 132
Benzo(g,h,i)perylene	20.6	20.7	100	38 *	30	43 - 134
Chrysene	20.6	23.2	103	26	30	50 - 124
Dibenz(a,h)anthracene	20.6	20.1	97	7	30	45 - 134
Fluoranthene	20.6	40.3	115	35 *	30	50 - 127
Fluorene	20.6	28.4	104	10	30	43 - 125
Indeno(1,2,3-cd)pyrene	20.6	19.7	95	34 *	30	45 - 133
2-Methylnaphthalene	20.6	47.3	230 *	76 *	30	38 - 122
Naphthalene	20.6	128	615 *	130 *	30	35 - 123
Phenanthrene	20.6	55.1	154 *	6	30	50 - 121
Pyrene	20.6	58.1	83	22	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: 0B26029

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0B26029-TUN1	N02262001.D	02/26/20 09:47
Calibration Check	0B26029-CCV1	N02262002.D	02/26/20 10:15
Calibration Blank	0B26029-CCB1	N02262003.D	02/26/20 10:47
Blank	0020795-BLK1	N02262012.D	02/26/20 15:37
LCS	0020795-BS1	N02262013.D	02/26/20 16:09
PDI-022SC-A-03-04-191016	A0B0681-01	N02262014.D	02/26/20 16:41
PDI-022SC-A-03-04-191016 (Dup)	0020795-DUP1	N02262015.D	02/26/20 17:14
PDI-059SC-A-11-12-191016	A0B0681-05	N02262022.D	02/26/20 20:57
PDI-059SC-A-11-12-191016 (MS)	0020795-MS1	N02262023.D	02/26/20 21:29
PDI-059SC-A-11-12-191016 (MSD)	0020795-MSD1	N02262024.D	02/26/20 22:01

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 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: 0B27023

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0B27023-TUN1	N02272001.D	02/27/20 08:16
Calibration Check	0B27023-CCV1	N02272002.D	02/27/20 08:43
Calibration Blank	0B27023-CCB1	N02272003.D	02/27/20 09:15
PDI-022SC-A-04-05-191016	A0B0681-02	N02272004.D	02/27/20 09:46

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

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

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: 0B28020

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0B28020-TUN1	N02282001.D	02/28/20 09:01
Calibration Check	0B28020-CCV1	N02282002.D	02/28/20 09:28
Calibration Blank	0B28020-CCB1	N02282003.D	02/28/20 10:00
Blank	0020865-BLK1	N02282004.D	02/28/20 10:32
LCS	0020865-BS1	N02282005.D	02/28/20 11:04
PDI-022SC-A-05-06-191016	A0B0681-03RE1	N02282006.D	02/28/20 11:36
PDI-022SC-A-06-07-191016 (Dup)	0020865-DUP1	N02282007.D	02/28/20 12:08
PDI-022SC-A-06-07-191016	A0B0681-04RE1	N02282008.D	02/28/20 12:40
PDI-022SC-A-05-06-191016 (MS)	0020865-MS1	N02282009.D	02/28/20 13:13
PDI-022SC-A-05-06-191016 (MSD)	0020865-MSD1	N02282010.D	02/28/20 13:45

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 9I06028

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

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

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

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

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: N02262001.D

Injection Date: 02/26/20

Instrument ID: SV-GCMS14

Injection Time: 09:47

Sequence: 0B26029

Lab Sample ID: 0B26029-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.57	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.50	PASS
m/z 197	Less than 2% of m/z 198	0.51	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.69	PASS
m/z 365	1 - 100% of m/z 198	4.22	PASS
m/z 441	Less than 150% of m/z 443	78.23	PASS
m/z 442	0.1 - 200% of m/z 198	137.19	PASS
m/z 443	15 - 24% of m/z 442	19.29	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: N02272001.D

Injection Date: 02/27/20

Instrument ID: SV-GCMS14

Injection Time: 08:16

Sequence: 0B27023

Lab Sample ID: 0B27023-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.62	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.54	PASS
m/z 197	Less than 2% of m/z 198	0.49	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.73	PASS
m/z 365	1 - 100% of m/z 198	3.97	PASS
m/z 441	Less than 150% of m/z 443	77.97	PASS
m/z 442	0.1 - 200% of m/z 198	126.10	PASS
m/z 443	15 - 24% of m/z 442	19.43	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: N02282001.D

Injection Date: 02/28/20

Instrument ID: SV-GCMS14

Injection Time: 09:01

Sequence: 0B28020

Lab Sample ID: 0B28020-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.61	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.52	PASS
m/z 197	Less than 2% of m/z 198	0.47	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.69	PASS
m/z 365	1 - 100% of m/z 198	4.08	PASS
m/z 441	Less than 150% of m/z 443	77.34	PASS
m/z 442	0.1 - 200% of m/z 198	131.05	PASS
m/z 443	15 - 24% of m/z 442	19.28	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: N09061911.D

Injection Date: 09/06/19

Instrument ID: SV-GCMS14

Injection Time: 15:51

Sequence: 9I06028

Lab Sample ID: 9I06028-TUN1

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

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: A9I1001

Date: 09/10/19 10:37

Instrument: SV-GCMS14

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

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

INITIAL CALIBRATION DATA

EPA 8270D

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

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

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	1	1.438843	2.5	1.487282	5	1.404065	10	1.417353	25	1.419193	50	1.394003
Acenaphthylene	1	2.050122	2.5	2.174081	5	2.138587	10	2.170914	25	2.195113	50	2.171664
Anthracene	1	1.097223	2.5	1.089279	5	1.048542	10	1.062312	25	1.06872	50	1.076085
Benz(a)anthracene	1	1.393885	2.5	1.220902	5	1.088043	10	1.09326	25	1.113653	50	1.097579
Benzo(a)pyrene	1	0.9831077	2.5	0.860229	5	0.8587498	10	0.9020412	25	0.976879	50	1.004382
Benzo(b)fluoranthene	1	1.117055	2.5	1.085157	5	1.064599	10	1.091936	25	1.128411	50	1.163732
Benzo(k)fluoranthene	1	1.067445	2.5	1.081921	5	1.086293	10	1.035921	25	1.12827	50	1.118386
Benzo(b+k)fluoranthene(s)	2	1.112094	5	1.118006	10	1.116503	20	1.114938	50	1.172148	100	1.178575
Benzo(g,h,i)perylene	1	1.244973	2.5	1.184733	5	1.240673	10	1.251188	25	1.288531	50	1.327508
Chrysene	1	1.134167	2.5	1.107207	5	1.086845	10	1.086606	25	1.097682	50	1.081788
Dibenz(a,h)anthracene	1	1.172765	2.5	1.143563	5	1.121188	10	1.116162	25	1.120297	50	1.14373
Fluoranthene	1	1.194051	2.5	1.126776	5	1.104079	10	1.123912	25	1.161779	50	1.170777
Fluorene	1	1.368696	2.5	1.404786	5	1.408744	10	1.421664	25	1.460973	50	1.446685
Indeno(1,2,3-cd)pyrene	1	1.207624	2.5	1.279667	5	1.185249	10	1.191109	25	1.192038	50	1.22331
1-Methylnaphthalene	1	0.8213813	2.5	0.8752222	5	0.8374479	10	0.9164978	25	0.9229373	50	0.9636201
2-Methylnaphthalene	1	0.8933817	2.5	0.9068991	5	0.8805457	10	0.8856102	25	0.8950085	50	0.9411598
Naphthalene	1	1.158343	2.5	1.134973	5	1.097604	10	1.122705	25	1.090082	50	1.082918
Phenanthrene	1	1.287154	2.5	1.193603	5	1.137078	10	1.164716	25	1.154027	50	1.151784
Pyrene	1	1.63414	2.5	1.742266	5	1.585271	10	1.635519	25	1.580246	50	1.570799
Carbazole	1	0.8723786	2.5	0.8303246	5	0.809563	10	0.8178062	25	0.8662439	50	0.8707417
Dibenzofuran	1	1.760349	2.5	1.772666	5	1.736411	10	1.780314	25	1.790475	50	1.776721
2-Fluorobiphenyl (Surr)	1	1.423811	2.5	1.562065	5	1.481173	10	1.49926	25	1.499776	50	1.48226
p-Terphenyl-d14 (Surr)	1	1.150274	2.5	1.092469	5	1.036656	10	1.057709	25	1.06012	50	1.045507

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A9I1001

Instrument: SV-GCMS14

Matrix:

Calibration Date: 09/10/19 10:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	100	1.443403	200	1.431066	300	1.387896	400	1.396451				
Acenaphthylene	100	2.247844	200	2.243032	300	2.16069	400	2.157799				
Anthracene	100	1.109829	200	1.115327	300	1.102277	400	1.114841				
Benz(a)anthracene	100	1.142091	200	1.148716	300	1.139155	400	1.17295				
Benzo(a)pyrene	100	1.043258	200	1.084563	300	1.067927	400	1.095282				
Benzo(b)fluoranthene	100	1.194311	200	1.23063	300	1.216813	400	1.246224				
Benzo(k)fluoranthene	100	1.195543	200	1.221498	300	1.197767	400	1.227883				
Benzo(b+k)fluoranthene(s)	200	1.228745	400	1.259094	600	1.236491	800	1.266041				
Benzo(g,h,i)perylene	100	1.387838	200	1.395223	300	1.36793	400	1.394456				
Chrysene	100	1.095048	200	1.103107	300	1.080265	400	1.114348				
Dibenz(a,h)anthracene	100	1.178156	200	1.193501	300	1.181668	400	1.217496				
Fluoranthene	100	1.201514	200	1.227472	300	1.217957	400	1.261473				
Fluorene	100	1.525529	200	1.545124	300	1.492702	400	1.475951				
Indeno(1,2,3-cd)pyrene	100	1.260309	200	1.262162	300	1.248776	400	1.282806				
1-Methylnaphthalene	100	0.9858109	200	1.024788	300	1.01574	400	0.9810225				
2-Methylnaphthalene	100	0.9654102	200	1.001432	300	1.001474	400	0.9752517				
Naphthalene	100	1.082489	200	1.091885	300	1.077863	400	1.090395				
Phenanthrene	100	1.157739	200	1.178493	300	1.133633	400	1.143483				
Pyrene	100	1.559688	200	1.478103	300	1.415905	400	1.421434				
Carbazole	100	0.9049028	200	0.9454096	300	0.9401746	400	0.949796				
Dibenzofuran	100	1.831193	200	1.826652	300	1.770993	400	1.764878				
2-Fluorobiphenyl (Surr)	100	1.499049	200	1.496115	300	1.47728	400	1.49768				
p-Terphenyl-d14 (Surr)	100	1.048827	200	1.020622	300	0.9928344	400	1.012238				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP</u>
Instrument ID: <u>SV-GCMS14</u>	Calibration: <u>A9I1001</u>
Lab File ID: <u>N09061924.D</u>	
Sequence: <u>9I06028</u>	Inject Date: <u>09/06/19</u>
Lab Sample ID: <u>9I06028-ICV1</u>	Inject Time: <u>22:45</u>

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

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: SV-GCMS14

Calibration: A911001

Lab File ID: N02262002.D

Calibration Date: 09/10/19 10:37

Sequence: 0B26029

Injection Date: 02/26/20

Lab Sample ID: 0B26029-CCV1

Injection Time: 10:15

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	47.9		1.421956	1.361533	-4.2	20
Acenaphthylene	Ave	50.0	47.2		2.170985	2.05102	-5.5	20
Anthracene	Ave	50.0	47.2		1.088444	1.027683	-5.6	20
Benz(a)anthracene	Ave	50.0	44.1		1.161023	1.023009	-11.9	20
Benzo(a)pyrene	Ave	50.0	46.5		0.9876419	0.9187976	-7.0	20
Benzo(b)fluoranthene	Ave	50.0	46.2		1.153887	1.066321	-7.6	20
Benzo(k)fluoranthene	Ave	50.0	45.6		1.136093	1.036296	-8.8	20
Benzo(g,h,i)perylene	Ave	50.0	44.8		1.308305	1.172064	-10.4	20
Chrysene	Ave	50.0	46.2		1.098706	1.014816	-7.6	20
Dibenz(a,h)anthracene	Ave	50.0	47.4		1.158853	1.099611	-5.1	20
Fluoranthene	Ave	50.0	49.0		1.178979	1.155469	-2.0	20
Fluorene	Ave	50.0	48.6		1.455085	1.413992	-2.8	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	43.8		1.233305	1.081089	-12.3	20
2-Methylnaphthalene	Ave	50.0	42.0		0.9346173	0.784242	-16.1	20
Naphthalene	Ave	50.0	48.3		1.102926	1.066294	-3.3	20
Phenanthrene	Ave	50.0	47.6		1.170171	1.113963	-4.8	20
Pyrene	Ave	50.0	45.5		1.562337	1.42294	-8.9	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: A911001

Lab File ID: N02272002.D

Calibration Date: 09/10/19 10:37

Sequence: 0B27023

Injection Date: 02/27/20

Lab Sample ID: 0B27023-CCV1

Injection Time: 08:43

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	47.8		1.421956	1.359936	-4.4	20
Acenaphthylene	Ave	50.0	45.9		2.170985	1.993529	-8.2	20
Anthracene	Ave	50.0	44.2		1.088444	0.9613967	-11.7	20
Benz(a)anthracene	Ave	50.0	42.2		1.161023	0.978927	-15.7	20
Benzo(a)pyrene	Ave	50.0	43.3		0.9876419	0.8553802	-13.4	20
Benzo(b)fluoranthene	Ave	50.0	45.2		1.153887	1.043151	-9.6	20
Benzo(k)fluoranthene	Ave	50.0	45.2		1.136093	1.027547	-9.6	20
Benzo(g,h,i)perylene	Ave	50.0	46.3		1.308305	1.211646	-7.4	20
Chrysene	Ave	50.0	45.2		1.098706	0.9942435	-9.5	20
Dibenz(a,h)anthracene	Ave	50.0	47.7		1.158853	1.105234	-4.6	20
Fluoranthene	Ave	50.0	48.4		1.178979	1.141669	-3.2	20
Fluorene	Ave	50.0	46.5		1.455085	1.354663	-6.9	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	44.8		1.233305	1.105556	-10.4	20
2-Methylnaphthalene	Ave	50.0	40.5		0.9346173	0.7565249	-19.1	20
Naphthalene	Ave	50.0	48.5		1.102926	1.070682	-2.9	20
Phenanthrene	Ave	50.0	47.5		1.170171	1.111925	-5.0	20
Pyrene	Ave	50.0	55.7		1.562337	1.73978	11.4	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: SV-GCMS14

Calibration: A911001

Lab File ID: N02282002.D

Calibration Date: 09/10/19 10:37

Sequence: 0B28020

Injection Date: 02/28/20

Lab Sample ID: 0B28020-CCV1

Injection Time: 09:28

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	47.8		1.421956	1.359774	-4.4	20
Acenaphthylene	Ave	50.0	46.5		2.170985	2.016882	-7.1	20
Anthracene	Ave	50.0	45.4		1.088444	0.9890469	-9.1	20
Benz(a)anthracene	Ave	50.0	44.0		1.161023	1.022794	-11.9	20
Benzo(a)pyrene	Ave	50.0	46.0		0.9876419	0.9093357	-7.9	20
Benzo(b)fluoranthene	Ave	50.0	47.5		1.153887	1.095177	-5.1	20
Benzo(k)fluoranthene	Ave	50.0	46.1		1.136093	1.047889	-7.8	20
Benzo(g,h,i)perylene	Ave	50.0	45.5		1.308305	1.191614	-8.9	20
Chrysene	Ave	50.0	45.9		1.098706	1.007686	-8.3	20
Dibenz(a,h)anthracene	Ave	50.0	47.7		1.158853	1.105465	-4.6	20
Fluoranthene	Ave	50.0	50.9		1.178979	1.199871	1.8	20
Fluorene	Ave	50.0	46.2		1.455085	1.344408	-7.6	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	44.7		1.233305	1.103174	-10.6	20
2-Methylnaphthalene	Ave	50.0	41.5		0.9346173	0.7763889	-16.9	20
Naphthalene	Ave	50.0	48.6		1.102926	1.071452	-2.9	20
Phenanthrene	Ave	50.0	47.6		1.170171	1.11344	-4.8	20
Pyrene	Ave	50.0	48.8		1.562337	1.526016	-2.3	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 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: 0B26029

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0B26029-CCV1)			Lab File ID: N02262002.D		Analyzed: 02/26/20 10:15			
2-Fluorobiphenyl (Surr)	50.0	103	80 - 120	8.822	8.9523	-0.1303	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	92	80 - 120	12.756	12.9315	-0.1755	+/-1.0	
Calibration Blank (0B26029-CCB1)			Lab File ID: N02262003.D		Analyzed: 02/26/20 10:47			
2-Fluorobiphenyl (Surr)			44 - 115	0	8.9523	-8.9523	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.762	12.9315	-0.1695	+/-1.0	
Blank (0020795-BLK1)			Lab File ID: N02262012.D		Analyzed: 02/26/20 15:37			
2-Fluorobiphenyl (Surr)	45.5	85	44 - 115	8.821	8.9523	-0.1313	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	99	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
LCS (0020795-BS1)			Lab File ID: N02262013.D		Analyzed: 02/26/20 16:09			
2-Fluorobiphenyl (Surr)	50.0	80	44 - 115	8.822	8.9523	-0.1303	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	91	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
PDI-022SC-A-03-04-191016 (A0B0681-01)			Lab File ID: N02262014.D		Analyzed: 02/26/20 16:41			
2-Fluorobiphenyl (Surr)	59.2	86	44 - 115	8.827	8.9523	-0.1253	+/-1.0	
p-Terphenyl-d14 (Surr)	59.2	102	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
Duplicate (0020795-DUP1)			Lab File ID: N02262015.D		Analyzed: 02/26/20 17:14			
2-Fluorobiphenyl (Surr)	60.6	77	44 - 115	8.827	8.9523	-0.1253	+/-1.0	
p-Terphenyl-d14 (Surr)	60.6	95	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
PDI-059SC-A-11-12-191016 (A0B0681-05)			Lab File ID: N02262022.D		Analyzed: 02/26/20 20:57			
2-Fluorobiphenyl (Surr)	62.6		44 - 115	0	8.9523	-8.9523	+/-1.0	*
p-Terphenyl-d14 (Surr)	62.6	8900	54 - 127	12.762	12.9315	-0.1695	+/-1.0	*
Matrix Spike (0020795-MS1)			Lab File ID: N02262023.D		Analyzed: 02/26/20 21:29			
2-Fluorobiphenyl (Surr)	63.2		44 - 115	0	8.9523	-8.9523	+/-1.0	*
p-Terphenyl-d14 (Surr)	63.2		54 - 127	0	12.9315	-12.9315	+/-1.0	*
Matrix Spike Dup (0020795-MSD1)			Lab File ID: N02262024.D		Analyzed: 02/26/20 22:01			
2-Fluorobiphenyl (Surr)	62.4		44 - 115	0	8.9523	-8.9523	+/-1.0	*
p-Terphenyl-d14 (Surr)	62.4		54 - 127	0	12.9315	-12.9315	+/-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>0B27023</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9I1001</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0B27023-CCV1)			Lab File ID: N02272002.D		Analyzed: 02/27/20 08:43			
2-Fluorobiphenyl (Surr)	50.0	105	80 - 120	8.816	8.9523	-0.1363	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	95	80 - 120	12.756	12.9315	-0.1755	+/-1.0	
Calibration Blank (0B27023-CCB1)			Lab File ID: N02272003.D		Analyzed: 02/27/20 09:15			
2-Fluorobiphenyl (Surr)			44 - 115	0	8.9523	-8.9523	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	0	12.9315	-12.9315	+/-1.0	
PDI-022SC-A-04-05-191016 (A0B0681-02)			Lab File ID: N02272004.D		Analyzed: 02/27/20 09:46			
2-Fluorobiphenyl (Surr)	53.1	122	44 - 115	8.822	8.9523	-0.1303	+/-1.0	*
p-Terphenyl-d14 (Surr)	53.1	180	54 - 127	12.756	12.9315	-0.1755	+/-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: 0B28020

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0B28020-CCV1)			Lab File ID: N02282002.D		Analyzed: 02/28/20 09:28			
2-Fluorobiphenyl (Surr)	50.0	101	80 - 120	8.816	8.9523	-0.1363	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	92	80 - 120	12.756	12.9315	-0.1755	+/-1.0	
Calibration Blank (0B28020-CCB1)			Lab File ID: N02282003.D		Analyzed: 02/28/20 10:00			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.9523	-8.9523	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	0	12.9315	-12.9315	+/-1.0	
Blank (0020865-BLK1)			Lab File ID: N02282004.D		Analyzed: 02/28/20 10:32			
2-Fluorobiphenyl (Surr)	45.5	87	44 - 120	8.816	8.9523	-0.1363	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	105	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
LCS (0020865-BS1)			Lab File ID: N02282005.D		Analyzed: 02/28/20 11:04			
2-Fluorobiphenyl (Surr)	50.0	97	44 - 120	8.816	8.9523	-0.1363	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	106	54 - 127	12.75	12.9315	-0.1815	+/-1.0	
PDI-022SC-A-05-06-191016 (A0B0681-03RE1)			Lab File ID: N02282006.D		Analyzed: 02/28/20 11:36			
2-Fluorobiphenyl (Surr)	51.4	87	44 - 115	8.816	8.9523	-0.1363	+/-1.0	
p-Terphenyl-d14 (Surr)	51.4	101	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
Duplicate (0020865-DUP1)			Lab File ID: N02282007.D		Analyzed: 02/28/20 12:08			
2-Fluorobiphenyl (Surr)	52.7	91	44 - 120	8.816	8.9523	-0.1363	+/-1.0	
p-Terphenyl-d14 (Surr)	52.7	105	54 - 127	12.75	12.9315	-0.1815	+/-1.0	
PDI-022SC-A-06-07-191016 (A0B0681-04RE1)			Lab File ID: N02282008.D		Analyzed: 02/28/20 12:40			
2-Fluorobiphenyl (Surr)	52.6	90	44 - 115	8.816	8.9523	-0.1363	+/-1.0	
p-Terphenyl-d14 (Surr)	52.6	101	54 - 127	12.75	12.9315	-0.1815	+/-1.0	
Matrix Spike (0020865-MS1)			Lab File ID: N02282009.D		Analyzed: 02/28/20 13:13			
2-Fluorobiphenyl (Surr)	51.4	96	44 - 120	8.822	8.9523	-0.1303	+/-1.0	
p-Terphenyl-d14 (Surr)	51.4	101	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
Matrix Spike Dup (0020865-MSD1)			Lab File ID: N02282010.D		Analyzed: 02/28/20 13:45			
2-Fluorobiphenyl (Surr)	51.5	95	44 - 120	8.821	8.9523	-0.1313	+/-1.0	
p-Terphenyl-d14 (Surr)	51.5	103	54 - 127	12.756	12.9315	-0.1755	+/-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>9I06028</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9I1001</u>

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

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

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0B26029

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0B26029-CCV1)			Lab File ID: N02262002.D			Analyzed: 02/26/20 10:15			
Naphthalene-d8 (ISTD)	191979	7.755	148351	7.883	129	50 - 200	-0.1280	+/-0.50	
Acenaphthene-d10 (ISTD)	119599	9.509	117951	9.638	101	50 - 200	-0.1290	+/-0.50	
Phenanthrene-d10 (ISTD)	223968	11.013	219661	11.147	102	50 - 200	-0.1340	+/-0.50	
Chrysene-d12 (ISTD)	189183	14.668	169841	14.907	111	50 - 200	-0.2390	+/-0.50	
Perylene-d12 (ISTD)	175118	18.13	142416	18.375	123	50 - 200	-0.2450	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	139402	20.514	93265	20.765	149	50 - 200	-0.2510	+/-0.50	
Calibration Blank (0B26029-CCB1)			Lab File ID: N02262003.D			Analyzed: 02/26/20 10:47			
Naphthalene-d8 (ISTD)	194915	7.749	191979	7.755	102	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	122421	9.503	119599	9.509	102	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	210431	11.007	223968	11.013	94	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	143289	14.662	189183	14.668	76	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	124720	18.118	175118	18.13	71	50 - 200	-0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	94957	20.508	139402	20.514	68	50 - 200	-0.0060	+/-0.50	
Blank (0020795-BLK1)			Lab File ID: N02262012.D			Analyzed: 02/26/20 15:37			
Naphthalene-d8 (ISTD)	165308	7.755	191979	7.755	86	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	101530	9.509	119599	9.509	85	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	171868	11.013	223968	11.013	77	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	133083	14.668	189183	14.668	70	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	125494	18.124	175118	18.13	72	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	106644	20.508	139402	20.514	77	50 - 200	-0.0060	+/-0.50	
LCS (0020795-BS1)			Lab File ID: N02262013.D			Analyzed: 02/26/20 16:09			
Naphthalene-d8 (ISTD)	172055	7.755	191979	7.755	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	114248	9.504	119599	9.509	96	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	203386	11.013	223968	11.013	91	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	167514	14.662	189183	14.668	89	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	155833	18.124	175118	18.13	89	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	123132	20.508	139402	20.514	88	50 - 200	-0.0060	+/-0.50	
PDI-022SC-A-03-04-191016 (A0B0681-01)			Lab File ID: N02262014.D			Analyzed: 02/26/20 16:41			
Naphthalene-d8 (ISTD)	169124	7.755	191979	7.755	88	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	111475	9.503	119599	9.509	93	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	196958	11.013	223968	11.013	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	161053	14.662	189183	14.668	85	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	155809	18.124	175118	18.13	89	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	122581	20.508	139402	20.514	88	50 - 200	-0.0060	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0B26029
 Matrix: Sediment

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

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (0020795-DUP1)			Lab File ID: N02262015.D			Analyzed: 02/26/20 17:14			
Naphthalene-d8 (ISTD)	163546	7.755	191979	7.755	85	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	109835	9.509	119599	9.509	92	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	188151	11.013	223968	11.013	84	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	150183	14.668	189183	14.668	79	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	143956	18.124	175118	18.13	82	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	110482	20.508	139402	20.514	79	50 - 200	-0.0060	+/-0.50	
PDI-059SC-A-11-12-191016 (A0B0681-05)			Lab File ID: N02262022.D			Analyzed: 02/26/20 20:57			
Naphthalene-d8 (ISTD)	173795	7.755	191979	7.755	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	112687	9.504	119599	9.509	94	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	195191	11.013	223968	11.013	87	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	147003	14.662	189183	14.668	78	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	139981	18.118	175118	18.13	80	50 - 200	-0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	104857	20.508	139402	20.514	75	50 - 200	-0.0060	+/-0.50	
Matrix Spike (0020795-MS1)			Lab File ID: N02262023.D			Analyzed: 02/26/20 21:29			
Naphthalene-d8 (ISTD)	172371	7.755	191979	7.755	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	109615	9.503	119599	9.509	92	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	189119	11.013	223968	11.013	84	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	140878	14.662	189183	14.668	74	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	133726	18.124	175118	18.13	76	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	101151	20.508	139402	20.514	73	50 - 200	-0.0060	+/-0.50	
Matrix Spike Dup (0020795-MSD1)			Lab File ID: N02262024.D			Analyzed: 02/26/20 22:01			
Naphthalene-d8 (ISTD)	171288	7.749	191979	7.755	89	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	108460	9.504	119599	9.509	91	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	180058	11.007	223968	11.013	80	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	127723	14.662	189183	14.668	68	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	119196	18.118	175118	18.13	68	50 - 200	-0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	88093	20.508	139402	20.514	63	50 - 200	-0.0060	+/-0.50	

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

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0B27023

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0B27023-CCV1)			Lab File ID: N02272002.D			Analyzed: 02/27/20 08:43			
Naphthalene-d8 (ISTD)	187473	7.749	148351	7.883	126	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10 (ISTD)	111892	9.504	117951	9.638	95	50 - 200	-0.1340	+/-0.50	
Phenanthrene-d10 (ISTD)	200242	11.013	219661	11.147	91	50 - 200	-0.1340	+/-0.50	
Chrysene-d12 (ISTD)	136715	14.662	169841	14.907	80	50 - 200	-0.2450	+/-0.50	
Perylene-d12 (ISTD)	118815	18.124	142416	18.375	83	50 - 200	-0.2510	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	80611	20.508	93265	20.765	86	50 - 200	-0.2570	+/-0.50	
Calibration Blank (0B27023-CCB1)			Lab File ID: N02272003.D			Analyzed: 02/27/20 09:15			
Naphthalene-d8 (ISTD)	148558	7.755	187473	7.749	79	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	87602	9.504	111892	9.504	78	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	131216	11.013	200242	11.013	66	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	87572	14.662	136715	14.662	64	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	81236	18.124	118815	18.124	68	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	62457	20.508	80611	20.508	77	50 - 200	0.0000	+/-0.50	
PDI-022SC-A-04-05-191016 (A0B0681-02)			Lab File ID: N02272004.D			Analyzed: 02/27/20 09:46			
Naphthalene-d8 (ISTD)	169134	7.755	187473	7.749	90	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	100053	9.504	111892	9.504	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	179147	11.013	200242	11.013	89	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	126780	14.662	136715	14.662	93	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	118022	18.124	118815	18.124	99	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	79595	20.508	80611	20.508	99	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0B28020

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0B28020-CCV1)			Lab File ID: N02282002.D			Analyzed: 02/28/20 09:28			
Naphthalene-d8 (ISTD)	186082	7.749	148351	7.883	125	50 - 200	-0.1340	+/-0.50	
Acenaphthene-d10 (ISTD)	118708	9.504	117951	9.638	101	50 - 200	-0.1340	+/-0.50	
Phenanthrene-d10 (ISTD)	214368	11.013	219661	11.147	98	50 - 200	-0.1340	+/-0.50	
Chrysene-d12 (ISTD)	174082	14.662	169841	14.907	102	50 - 200	-0.2450	+/-0.50	
Perylene-d12 (ISTD)	158221	18.124	142416	18.375	111	50 - 200	-0.2510	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	115242	20.508	93265	20.765	124	50 - 200	-0.2570	+/-0.50	
Calibration Blank (0B28020-CCB1)			Lab File ID: N02282003.D			Analyzed: 02/28/20 10:00			
Naphthalene-d8 (ISTD)	172856	7.755	186082	7.749	93	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	107036	9.504	118708	9.504	90	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	172449	11.013	214368	11.013	80	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	122485	14.668	174082	14.662	70	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	109917	18.124	158221	18.124	69	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	84742	20.514	115242	20.508	74	50 - 200	0.0060	+/-0.50	
Blank (0020865-BLK1)			Lab File ID: N02282004.D			Analyzed: 02/28/20 10:32			
Naphthalene-d8 (ISTD)	169853	7.749	186082	7.749	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	107442	9.503	118708	9.504	91	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	182010	11.013	214368	11.013	85	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	122126	14.662	174082	14.662	70	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	105760	18.124	158221	18.124	67	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	78916	20.508	115242	20.508	68	50 - 200	0.0000	+/-0.50	
LCS (0020865-BS1)			Lab File ID: N02282005.D			Analyzed: 02/28/20 11:04			
Naphthalene-d8 (ISTD)	164407	7.749	186082	7.749	88	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	103902	9.503	118708	9.504	88	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	181816	11.007	214368	11.013	85	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	145025	14.662	174082	14.662	83	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	133043	18.118	158221	18.124	84	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	102522	20.508	115242	20.508	89	50 - 200	0.0000	+/-0.50	
PDI-022SC-A-05-06-191016 (A0B0681-03RE1)			Lab File ID: N02282006.D			Analyzed: 02/28/20 11:36			
Naphthalene-d8 (ISTD)	166072	7.749	186082	7.749	89	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	105879	9.504	118708	9.504	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	179765	11.013	214368	11.013	84	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	123092	14.662	174082	14.662	71	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	108198	18.124	158221	18.124	68	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	75911	20.508	115242	20.508	66	50 - 200	0.0000	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0B28020
 Matrix: Sediment

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

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (0020865-DUP1)			Lab File ID: N02282007.D			Analyzed: 02/28/20 12:08			
Naphthalene-d8 (ISTD)	158883	7.749	186082	7.749	85	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	105845	9.503	118708	9.504	89	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	181482	11.013	214368	11.013	85	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	126852	14.662	174082	14.662	73	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	110549	18.124	158221	18.124	70	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	80279	20.508	115242	20.508	70	50 - 200	0.0000	+/-0.50	
PDI-022SC-A-06-07-191016 (A0B0681-04RE1)			Lab File ID: N02282008.D			Analyzed: 02/28/20 12:40			
Naphthalene-d8 (ISTD)	172286	7.749	186082	7.749	93	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	109615	9.504	118708	9.504	92	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	183557	11.013	214368	11.013	86	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	127502	14.662	174082	14.662	73	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	109646	18.124	158221	18.124	69	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	77210	20.508	115242	20.508	67	50 - 200	0.0000	+/-0.50	
Matrix Spike (0020865-MS1)			Lab File ID: N02282009.D			Analyzed: 02/28/20 13:13			
Naphthalene-d8 (ISTD)	174045	7.749	186082	7.749	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	114742	9.504	118708	9.504	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	211529	11.013	214368	11.013	99	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	175126	14.662	174082	14.662	101	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	164599	18.124	158221	18.124	104	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	121252	20.508	115242	20.508	105	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (0020865-MSD1)			Lab File ID: N02282010.D			Analyzed: 02/28/20 13:45			
Naphthalene-d8 (ISTD)	154969	7.749	186082	7.749	83	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	113511	9.503	118708	9.504	96	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	203046	11.013	214368	11.013	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	161691	14.667	174082	14.662	93	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	146934	18.124	158221	18.124	93	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	108024	20.508	115242	20.508	94	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-022SC-A-03-04-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 10:13	132.86	14.00	02/26/20 16:41	0.27	40.00	*
PDI-022SC-A-04-05-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 10:13	132.86	14.00	02/27/20 09:46	0.98	40.00	*
PDI-022SC-A-05-06-191016	10/16/19 13:39	10/17/19 14:10	02/27/20 13:10	133.98	14.00	02/28/20 11:36	0.93	40.00	*
PDI-022SC-A-06-07-191016	10/16/19 13:39	10/17/19 14:10	02/27/20 13:10	133.98	14.00	02/28/20 12:40	0.98	40.00	*
PDI-059SC-A-11-12-191016	10/16/19 07:55	10/17/19 14:10	02/26/20 10:13	133.10	14.00	02/26/20 20:57	0.45	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-022SC-A-03-04-191016</u>	<u>A0B0681-01</u>	<u>Sediment</u>
<u>PDI-022SC-A-04-05-191016</u>	<u>A0B0681-02</u>	<u>Sediment</u>
<u>PDI-022SC-A-05-06-191016</u>	<u>A0B0681-03</u>	<u>Sediment</u>
<u>PDI-022SC-A-06-07-191016</u>	<u>A0B0681-04</u>	<u>Sediment</u>
<u>PDI-059SC-A-11-12-191016</u>	<u>A0B0681-05</u>	<u>Sediment</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

3/25/2020 12:45PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Total Organic Carbon	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-022SC-A-03-04-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-01

File ID: 0B27057.txt-040

Sampled: 10/16/19 13:39

Prepared: 02/26/20 12:20

Analyzed: 02/28/20 01:57

Solids: 79.61

Preparation: PSEP-5310B TOC

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

Batch: 0020837

Sequence: 0B27057

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.074	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-022SC-A-04-05-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-02

File ID: 0B27057.txt-040

Sampled: 10/16/19 13:39

Prepared: 02/26/20 12:20

Analyzed: 02/28/20 01:57

Solids: 89.58

Preparation: PSEP-5310B TOC

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

Batch: 0020837

Sequence: 0B27057

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.40	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-022SC-A-05-06-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-03

File ID: 0B27057.txt-041

Sampled: 10/16/19 13:39

Prepared: 02/26/20 12:20

Analyzed: 02/28/20 02:08

Solids: 91.18

Preparation: PSEP-5310B TOC

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

Batch: 0020837

Sequence: 0B27057

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.038	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-022SC-A-06-07-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-04

File ID: 0B27057.txt-042

Sampled: 10/16/19 13:39

Prepared: 02/26/20 12:20

Analyzed: 02/28/20 02:18

Solids: 90.76

Preparation: PSEP-5310B TOC

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

Batch: 0020837

Sequence: 0B27057

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.035	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-059SC-A-11-12-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-05

File ID: 0B27057.txt-043

Sampled: 10/16/19 07:55

Prepared: 02/26/20 12:20

Analyzed: 02/28/20 02:29

Solids: 76.47

Preparation: PSEP-5310B TOC

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

Batch: 0020837

Sequence: 0B27057

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	2.8	1		SM 5310 B MOD

PREPARATION BATCH SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0020837

Batch Matrix: Sediment

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0020837-BLK1	0B27057.txt-027	02/26/20 12:20	
LCS	0020837-BS1	0B27057.txt-028	02/26/20 12:20	
PDI-022SC-A-03-04-191016 (Dup)	0020837-DUP3	0B27057.txt-039	02/26/20 12:20	
PDI-022SC-A-03-04-191016	A0B0681-01	0B27057.txt-040	02/26/20 12:20	
PDI-022SC-A-04-05-191016	A0B0681-02	0B27057.txt-040	02/26/20 12:20	
PDI-022SC-A-05-06-191016	A0B0681-03	0B27057.txt-041	02/26/20 12:20	
PDI-022SC-A-06-07-191016	A0B0681-04	0B27057.txt-042	02/26/20 12:20	
PDI-059SC-A-11-12-191016	A0B0681-05	0B27057.txt-043	02/26/20 12:20	

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

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

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>Sediment</u>	Laboratory ID: <u>0020837-BLK1</u>	File ID: <u>0B27057.txt-027</u>
Prepared: <u>02/26/20 12:20</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>
Analyzed: <u>02/27/20 23:36</u>	Instrument: <u>TOC6</u>	
Batch: <u>0020837</u>	Sequence: <u>0B27057</u>	Calibration: <u>A0A0805</u>

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

LCS / LCS DUPLICATE RECOVERY

SM 5310 B MOD

Laboratory: 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: 0020837

Laboratory ID: 0020837-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	9700	97	90 - 110

* = Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-022SC-A-03-04-191016

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: 0020837-DUP3

Batch: 0020837

Lab Source ID: A0B0681-01

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-022SC-A-03-04-191016

% Solids: 79.61

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.074		0.068		8		SM 5310 B MOD

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0A08052

Instrument: TOC6

Matrix: Sediment

Calibration: A0A0805

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A08052-CAL2	0A08052.txt-005	01/08/20 18:59
Cal Standard	0A08052-CAL3	0A08052.txt-006	01/08/20 19:09
Cal Standard	0A08052-CAL4	0A08052.txt-007	01/08/20 19:20
Cal Standard	0A08052-CAL5	0A08052.txt-008	01/08/20 19:31
Cal Standard	0A08052-CAL6	0A08052.txt-009	01/08/20 19:42
Cal Standard	0A08052-CAL7	0A08052.txt-010	01/08/20 19:53
Cal Standard	0A08052-CAL8	0A08052.txt-011	01/08/20 20:03
Cal Standard	0A08052-CAL9	0A08052.txt-012	01/08/20 20:14
Initial Cal Check	0A08052-ICV1	0A08052.txt-014	01/08/20 20:36
Initial Cal Blank	0A08052-ICB1	0A08052.txt-015	01/08/20 20:47

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0B27057

Instrument: TOC6

Matrix: Sediment

Calibration: A0A0805

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0B27057-CCV1	0B27057.txt-003	02/27/20 19:17
Calibration Blank	0B27057-CCB1	0B27057.txt-004	02/27/20 19:28
Calibration Check	0B27057-CCV2	0B27057.txt-015	02/27/20 21:27
Calibration Blank	0B27057-CCB2	0B27057.txt-016	02/27/20 21:37
Calibration Check	0B27057-CCV3	0B27057.txt-025	02/27/20 23:15
Calibration Blank	0B27057-CCB3	0B27057.txt-026	02/27/20 23:26
Blank	0020837-BLK1	0B27057.txt-027	02/27/20 23:36
LCS	0020837-BS1	0B27057.txt-028	02/27/20 23:47
PDI-022SC-A-03-04-191016	A0B0681-01	0B27057.txt-040	02/28/20 01:57
Calibration Check	0B27057-CCV4	0B27057.txt-037	02/28/20 01:24
Calibration Blank	0B27057-CCB4	0B27057.txt-038	02/28/20 01:35
PDI-022SC-A-03-04-191016 (Dup)	0020837-DUP3	0B27057.txt-039	02/28/20 01:46
PDI-022SC-A-04-05-191016	A0B0681-02	0B27057.txt-040	02/28/20 01:57
PDI-022SC-A-05-06-191016	A0B0681-03	0B27057.txt-041	02/28/20 02:08
PDI-022SC-A-06-07-191016	A0B0681-04	0B27057.txt-042	02/28/20 02:18
PDI-059SC-A-11-12-191016	A0B0681-05	0B27057.txt-043	02/28/20 02:29
Calibration Check	0B27057-CCV5	0B27057.txt-044	02/28/20 02:40
Calibration Blank	0B27057-CCB5	0B27057.txt-045	02/28/20 02:51

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

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

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: AOA0805

Date: 01/08/20 16:30

Instrument: TOC6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon	107.0509	Lin	3.685489			0.99994			

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

INITIAL CALIBRATION DATA
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0A0805

Instrument: TOC6

Calibration Date: 01/08/20 16:30

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	200	114.6217	500	110.0738	1000	108.4645	2500	105.6496	5000	103.2242	12500	102.6331

INITIAL CALIBRATION DATA (Continued)

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: AOA0805

Instrument: TOC6

Matrix:

Calibration Date: 01/08/20 16:30

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	25000	106.7626	50000	104.9773								

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: TOC6

Calibration: A0A0805

Control Limit: +/- 10.00%

Sequence: 0A08052

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0A08052-ICV1	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: TOC6

Calibration: A0A0805

Control Limit: +/- 10.00%

Sequence: 0B27057

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0B27057-CCV1	Total Organic Carbon	10000	9500	95	mg/kg	SM 5310 B MOD
0B27057-CCV2	Total Organic Carbon	10000	9800	98	mg/kg	SM 5310 B MOD
0B27057-CCV3	Total Organic Carbon	10000	9800	98	mg/kg	SM 5310 B MOD
0B27057-CCV4	Total Organic Carbon	10000	9700	97	mg/kg	SM 5310 B MOD
0B27057-CCV5	Total Organic Carbon	10000	9600	96	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: TOC6

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

Sequence: 0A08052

Calibration: A0A0805

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0A08052-ICB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC6

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

Sequence: 0B27057

Calibration: A0A0805

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0B27057-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0B27057-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0B27057-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0B27057-CCB4	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0B27057-CCB5	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

HOLDING TIME SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-022SC-A-03-04-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 12:20	132.95	28.00	02/28/20 01:57	134.51	28.00	*
PDI-022SC-A-04-05-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 12:20	132.95	28.00	02/28/20 01:57	134.51	28.00	*
PDI-022SC-A-05-06-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 12:20	132.95	28.00	02/28/20 02:08	134.52	28.00	*
PDI-022SC-A-06-07-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 12:20	132.95	28.00	02/28/20 02:18	134.53	28.00	*
PDI-059SC-A-11-12-191016	10/16/19 07:55	10/17/19 14:10	02/26/20 12:20	133.18	28.00	02/28/20 02:29	134.77	28.00	*

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-022SC-A-03-04-191016</u>	<u>A0B0681-01</u>	<u>Sediment</u>
<u>PDI-022SC-A-04-05-191016</u>	<u>A0B0681-02</u>	<u>Sediment</u>
<u>PDI-022SC-A-05-06-191016</u>	<u>A0B0681-03</u>	<u>Sediment</u>
<u>PDI-022SC-A-06-07-191016</u>	<u>A0B0681-04</u>	<u>Sediment</u>
<u>PDI-059SC-A-11-12-191016</u>	<u>A0B0681-05</u>	<u>Sediment</u>

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

Signature:



Name:

David G. Jack

Forms Created:

3/25/2020 12:45PM

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-022SC-A-03-04-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-01

Sampled: 10/16/19 13:39

Prepared: 02/26/20 10:30

Analyzed: 02/27/20 18:18

Solids: 79.61

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0020801

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	79.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-022SC-A-04-05-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-02

Sampled: 10/16/19 13:39

Prepared: 02/26/20 10:30

Analyzed: 02/27/20 18:18

Solids: 89.58

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0020801

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	89.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-022SC-A-05-06-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-03

Sampled: 10/16/19 13:39

Prepared: 02/26/20 10:30

Analyzed: 02/27/20 18:18

Solids: 91.18

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0020801

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	91.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-022SC-A-06-07-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-04

Sampled: 10/16/19 13:39

Prepared: 02/26/20 10:30

Analyzed: 02/27/20 18:18

Solids: 90.76

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0020801

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	90.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-059SC-A-11-12-191016

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0B0681-05

Sampled: 10/16/19 07:55

Prepared: 02/26/20 10:30

Analyzed: 02/27/20 18:18

Solids: 76.47

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0020801

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	76.5	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0020801

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-022SC-A-03-04-191016 (Dup)	0020801-DUP1		02/26/20 10:30	
PDI-022SC-A-03-04-191016	A0B0681-01		02/26/20 10:30	
PDI-022SC-A-04-05-191016	A0B0681-02		02/26/20 10:30	
PDI-022SC-A-05-06-191016	A0B0681-03		02/26/20 10:30	
PDI-022SC-A-06-07-191016	A0B0681-04		02/26/20 10:30	
PDI-059SC-A-11-12-191016	A0B0681-05		02/26/20 10:30	

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.

DUPLICATES

PDI-022SC-A-03-04-191016

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: 0020801-DUP1

Batch: 0020801

Lab Source ID: A0B0681-01

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-022SC-A-03-04-191016

% Solids: 79.61

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	79.6		77.2		3		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-022SC-A-03-04-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 10:30	132.87	180.00	02/27/20 18:18	1.33		
PDI-022SC-A-04-05-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 10:30	132.87	180.00	02/27/20 18:18	1.33		
PDI-022SC-A-05-06-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 10:30	132.87	180.00	02/27/20 18:18	1.33		
PDI-022SC-A-06-07-191016	10/16/19 13:39	10/17/19 14:10	02/26/20 10:30	132.87	180.00	02/27/20 18:18	1.33		
PDI-059SC-A-11-12-191016	10/16/19 07:55	10/17/19 14:10	02/26/20 10:30	133.11	180.00	02/27/20 18:18	1.33		

Raw Data

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

Batch 0020917
Sequence 0C02025 (A0B0681-01RE1,02RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0020917 (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
	0020917-BLK1	QC	03/02/20 07:03	31	2				100					
	0020917-BS1	QC	03/02/20 07:03	30	2	A20B283		100	100					
	A0B0680-01RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.7	2				100	PDI-049SC-A-03-04-191015	Low Surrogate. Re-extract added 2/28/2020 by KAK			
	A0B0680-01RE2	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.7	2				100	PDI-049SC-A-03-04-191015	Low Surrogate. Re-extract added 2/28/2020 by KAK			
	0020917-DUP1	QC	03/02/20 07:03	30.15	2		A0B0680-01RE2		100					
	A0B0680-01RE3	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.7	2				100	PDI-049SC-A-03-04-191015	Low Surrogate. Re-extract added 2/28/2020 by KAK			
	0020917-DUP2	QC	03/02/20 07:03	30.15	2		A0B0680-01RE3		100					
	A0B0681-01RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.32	2				100	PDI-022SC-A-03-04-191016	Re-extract added 2/28/2020 by KAK			
	A0B0681-02RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.83	2				100	PDI-022SC-A-04-05-191016	Re-extract added 2/28/2020 by KAK			
	A0B0681-03RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.05	2				100	PDI-022SC-A-05-06-191016	Re-extract added 2/28/2020 by KAK			
	0020917-MS1	QC	03/02/20 07:03	30.1	2	A20B283	A0B0681-03RE1	100	100					
	0020917-MSD1	QC	03/02/20 07:03	30.05	2	A20B283	A0B0681-03RE1	100	100					
	A0B0681-04RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.16	2				100	PDI-022SC-A-06-07-191016	Re-extract added 2/28/2020 by KAK			
	A0B0681-05RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.27	2				100	PDI-059SC-A-11-12-191016	Re-extract added 2/28/2020 by KAK			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20B283	08/24/20	8082 PCB Matrix Spike	A20B060	07/17/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19C104	09/03/23	Florisol Lot 817211-CM						
A19G279	01/18/22	Sulfuric Acid						
A19I211	05/07/22	Copper, Granular Lot# J260003						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A20A032	06/30/23	n-Hexane Lot# 197051						
A20A282	07/19/21	Sodium Sulfate Lot # 194865						

Prepared By: _____ Date: _____


 Reviewed By: _____ Date: 3/3/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0020917 (Sediment)

Prep Method: EPA 3546

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

-Method 3546 digestion time and temperture achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0020917 (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	0020917-BLK1	QC	03/02/20 07:03	30.31	2 ✓				100						
5/4	0020917-BSI	QC	03/02/20 07:03	30	2 ✓	A20B283		100	100						
5/6	A0B0680-01RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.70	2 ✓				100	PDI-049SC-A-03-04-191015	low surrogate. Re-extract added 2/28/2020 by KAK				
7/8	0020917-DUPI	QC	03/02/20 07:03	30.15	2 ✓		A0B0680-01RE1		100		misread #P				
9/10	A0B0681-01RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.32	2 ✓				100	PDI-022SC-A-03-04-191016	Re-extract added 2/28/2020 by KAK				
11/12	A0B0681-02RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.83	2 ✓				100	PDI-022SC-A-04-05-191016	Re-extract added 2/28/2020 by KAK				
13/14	A0B0681-03RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.05	2 ✓				100	PDI-022SC-A-05-06-191016	Re-extract added 2/28/2020 by KAK				
15/16	0020917-MS1	QC	03/02/20 07:03	30.10	2 ✓	A20B283	A0B0681-03RE1	100	100		soil				
17/18	0020917-MSD1	QC	03/02/20 07:03	30.05	2 ✓	A20B283	A0B0681-03RE1	100	100		soil				
19/20	A0B0681-04RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.16	2 ✓				100	PDI-022SC-A-06-07-191016	Re-extract added 2/28/2020 by KAK				
21/22	A0B0681-05RE1	A 8082 PCBs - Low Level (30g/2mL)	03/02/20 07:03	30.27	2 ✓				100	PDI-059SC-A-11-12-191016	Re-extract added 2/28/2020 by KAK				

Standards/Reagents

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19C104	09/03/23	Florisil Lot 817211-CM
A19G279	01/18/22	Sulfuric Acid
A19I211	05/07/22	Copper, Granular Lot# J260003
A19I263	03/18/20	DCM CHEM PROD. 194934
A20A032	06/30/23	n-Hexane Lot# 197051
A20A282	07/19/21	Sodium Sulfate Lot # 194865

Std ID	Exp. Date	Description
A20B283	08/24/20	8082 PCB Matrix Spike

CAH

Std ID	Exp. Date	Description
A20B060	07/17/20	8082 PCB Surrogate Spike

CAH

= staining on turbidity.
Ⓟ = precipitate formed during solvent exchange

E = Emulsion during H₂SO₄ cleanup.

Method 3546 digestion time and temperature achieved.

Initial: CAH

Witness: JAG 3/2/2020

Prepared By: CAH
Date: 03/02/2020
JAG 3/2/2020

Reviewed By: SCA
Date: 03/02/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0C02025**

Instrument: **DUALECD2F**

Date: **03/02/20 07:22**

Calibration: **A0B1902**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C02025-CCV1	Sediment	QC	QC				
2	0C02025-CCB1	Sediment	QC	QC				A20A394
3	A0B0680-02RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		A20B383
4	0C02025-IBL1	Sediment	QC	QC				
5	A0B0680-03RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		
6	0C02025-IBL2	Sediment	QC	QC				
7	0020809-MS2	Sediment	QC	QC		0020809		
8	0C02025-IBL3	Sediment	QC	QC				
9	0020809-MSD2	Sediment	QC	QC		0020809		
10	0C02025-IBL4	Sediment	QC	QC				
11	0C02025-CCV2	Sediment	QC	QC				A20A394
12	0C02025-CCB2	Sediment	QC	QC				A20B383
13	0020917-BLK1	Sediment	QC	QC		0020917		
14	0020917-BS1	Sediment	QC	QC		0020917		
15	A0B0680-01RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
16	0C02025-IBL5	Sediment	QC	QC				
17	0020917-DUP1	Sediment	QC	QC		0020917		
18	0C02025-IBL6	Sediment	QC	QC				
19	A0B0681-01RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
20	0C02025-IBL7	Sediment	QC	QC				
21	A0B0681-02RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
22	0C02025-IBL8	Sediment	QC	QC				
23	A0B0680-01RE2	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
24	0C02025-IBL9	Sediment	QC	QC				
25	0C02025-CCV3	Sediment	QC	QC				A20A394
26	0C02025-CCB3	Sediment	QC	QC				A20B383
27	A0B0680-01RE3	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
28	0C02025-IBLA	Sediment	QC	QC				
29	0020917-DUP2	Sediment	QC	QC		0020917		
30	0C02025-IBLB	Sediment	QC	QC				
31	0C02025-CCV4	Sediment	QC	QC				A20A394
32	0C02025-CCB4	Sediment	QC	QC				A20B383

Data Entered By: *[Signature]* 3/3/20

Comments: *Complete*

Data Reviewed By: *[Signature]* 3/3/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0C02025**

Instrument: **DUALECD2F**

Date: **03/02/20 07:22**

Calibration: **A0B1902**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C02025-CCV1	Sediment	QC	QC				
2	0C02025-CCB1	Sediment	QC	QC				A20A394
3	A0B0680-02RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		A20B383
4	0C02025-IBL1	Sediment	QC	QC				
5	A0B0680-03RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		
6	0C02025-IBL2	Sediment	QC	QC				
7	0020809-MS2	Sediment	QC	QC		0020809		
8	0C02025-IBL3	Sediment	QC	QC				
9	0020809-MSD2	Sediment	QC	QC		0020809		
10	0C02025-IBL4	Sediment	QC	QC				
11	0C02025-CCV2	Sediment	QC	QC				A20A394
12	0C02025-CCB2	Sediment	QC	QC				A20B383
13	0020917-BLK1	Sediment	QC	QC		0020917		
14	0020917-BS1	Sediment	QC	QC		0020917		
15	A0B0680-01RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
16	0C02025-IBL5	Sediment	QC	QC				
17	0020917-DUP1	Sediment	QC	QC		0020917		
18	0C02025-IBL6	Sediment	QC	QC				
19	A0B0681-01RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
20	0C02025-IBL7	Sediment	QC	QC				
21	A0B0681-02RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
22	0C02025-IBL8	Sediment	QC	QC				
23	A0B0680-01RE2	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		
24	0C02025-IBL9	Sediment	QC	QC				
25	0C02025-CCV3	Sediment	QC	QC				A20A394
26	0C02025-CCB3	Sediment	QC	QC				A20B383

Data Entered By: *[Signature]* 3/2/20

Comments: *Partial*

Data Reviewed By: *[Signature]* 3/3/20

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

0C02025-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	441.37
1016 (2)	468.07
1016 (3)	442.95
1016 (4)	449.60
1016 (5)	448.84
1016 (6)	447.73
Average:	449.76

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	458.80
1260 (2)	476.29
1260 (3)	462.55
1260 (4)	488.20
1260 (5)	469.54
1260 (6)	469.64
Average:	470.84

0020809-MS2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	621.48
1016 (2)	752.89
1016 (3)	617.59
1016 (4)	554.46
1016 (5)	561.23
1016 (6)	547.48
Average:	609.19

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	581.79
1260 (2)	638.68
1260 (3)	587.93
1260 (4)	∅ 678.44
1260 (5)	632.17
1260 (6)	599.61
Average:	619.77

608.04

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.

0020809-MSD2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	631.95
1016 (2)	734.50
1016 (3)	648.79
1016 (4)	579.32
1016 (5)	573.75
1016 (6)	536.72
Average:	617.51

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	631.17
1260 (2)	674.06
1260 (3)	602.42
1260 (4)	Ø 682.80
1260 (5)	643.24
1260 (6)	624.53
Average:	643.64 635.08

MT 3/2/20

0C02025-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	470.49
1016 (2)	484.43
1016 (3)	463.57
1016 (4)	457.55
1016 (5)	463.71
1016 (6)	433.01
Average:	462.13

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	484.18
1260 (2)	469.43
1260 (3)	464.33
1260 (4)	492.26
1260 (5)	466.61
1260 (6)	452.44
Average:	471.54

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.

0020917-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	850.27
1016 (2)	975.74
1016 (3)	864.59
1016 (4)	911.48
1016 (5)	856.61
1016 (6)	863.11
Average:	886.97

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,064.20
1260 (2)	1,146.05
1260 (3)	1,051.45
1260 (4)	1,193.68
1260 (5)	1,125.67
1260 (6)	1,103.30
Average:	1,114.06

002025-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	469.37
1016 (2)	517.60
1016 (3)	485.35
1016 (4)	488.60
1016 (5)	504.68
1016 (6)	482.62
Average:	491.37

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	491.31
1260 (2)	510.82
1260 (3)	521.83
1260 (4)	544.70
1260 (5)	522.16
1260 (6)	516.65
Average:	517.91

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

0C02025-CCV4

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	438.85
1016 (2)	459.19
1016 (3)	442.52
1016 (4)	449.38
1016 (5)	436.10
1016 (6)	429.06
Average:	442.52

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	479.78
1260 (2)	468.32
1260 (3)	468.09
1260 (4)	475.62
1260 (5)	474.74
1260 (6)	448.88
Average:	469.24

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 7:54
 Operator : MJB / KAK
 Sample : 0C02025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:12:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 3/2/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds:				
1) S TCMX (S)	4.783	18476838	234.095	ng/ml
62) S DCBP (S)	9.526	34388928	253.158	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.695	2033731	441.372	ng/ml
3) Aroclor 1016 (2)	6.107	4119101	468.067	ng/ml
4) Aroclor 1016 (3)	6.189	2120303	442.953	ng/ml
5) Aroclor 1016 (4)	6.346	1992711	449.595	ng/ml
6) Aroclor 1016 (5)	6.567	2295596	448.842	ng/ml
7) Aroclor 1016 (6)	6.694	1655099	447.727	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.134	191672	140.592	ng/ml
10) Aroclor 1221 (2)	5.253	213378	231.626	ng/ml
11) Aroclor 1221 (3)	5.334	896279	315.913	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.334	896279	378.839	ng/ml
14) Aroclor 1232 (2)	6.107	4119101	1148.249	ng/ml
15) Aroclor 1232 (3)	6.189	2120303	1077.276	ng/ml
16) Aroclor 1232 (4)	6.346	1992711	1311.560	ng/ml
17) Aroclor 1232 (5)	6.567	2295596	1189.188	ng/ml
18) Aroclor 1232 (6)	6.694	1655099	1050.882	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.695	2033731	577.628	ng/ml
21) Aroclor 1242 (2)	6.107	4119101	574.174	ng/ml
22) Aroclor 1242 (3)	6.189	2120303	576.812	ng/ml
23) Aroclor 1242 (4)	6.346	1992711	608.646	ng/ml
24) Aroclor 1242 (5)	6.567	2295596	560.082	ng/ml
25) Aroclor 1242 (6)	6.694	1655099	485.659	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.107	4119101	944.297	ng/ml
28) Aroclor 1248 (2)	6.346	1992711	349.290	ng/ml
29) Aroclor 1248 (3)	6.567	2295596	354.561	ng/ml
30) Aroclor 1248 (4)	6.862	422587	57.462	ng/ml
31) Aroclor 1248 (5)	6.895	1563737	207.239	ng/ml
32) Aroclor 1248 (6)	7.381	3549241	864.953	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.895	1563737	176.484	ng/ml
35) Aroclor 1254 (2)	7.005	1687207	152.245	ng/ml
36) Aroclor 1254 (3)	7.381	3549241	213.305	ng/ml
37) Aroclor 1254 (4)	7.542	475840	44.773	ng/ml
38) Aroclor 1254 (5)	7.921	4481699	386.885	ng/ml
39) Aroclor 1254 (6)	8.212	531988	142.594	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.494	4666959	458.805	ng/ml
42) Aroclor 1260 (2)	7.628	6021389	476.294	ng/ml
43) Aroclor 1260 (3)	8.182	4395651	462.552	ng/ml
44) Aroclor 1260 (4)	8.353	10982417	488.197	ng/ml
45) Aroclor 1260 (5)	8.652	7136322	469.542	ng/ml
46) Aroclor 1260 (6)	9.039	2883087	469.644	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0C02025\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 7:54
 Operator : MJB / KAK
 Sample : 0C02025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:12:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

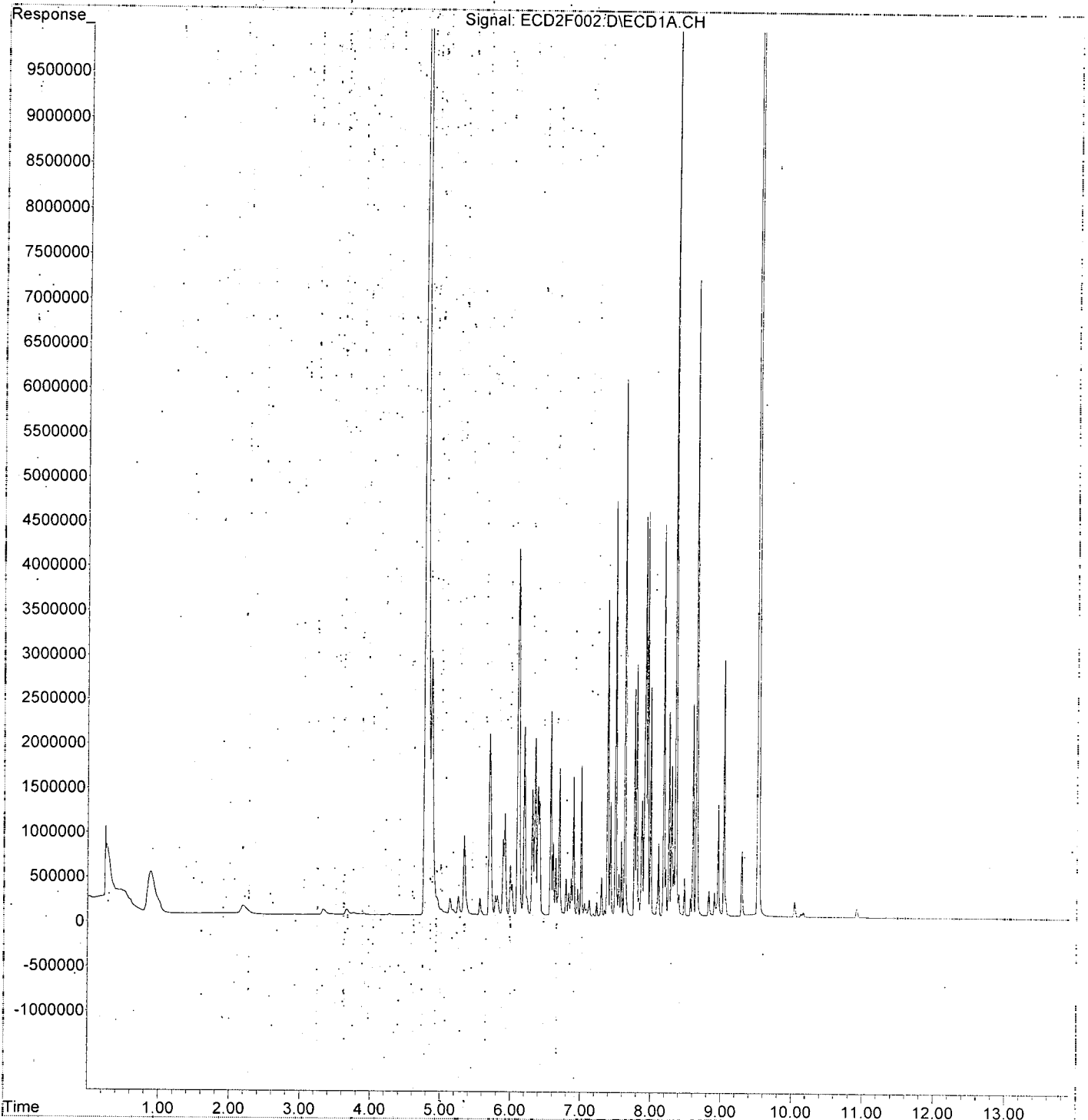
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.628	6021389	560.417 ng/ml
49) Aroclor 1262 (2)	7.951	4548466	296.874 ng/ml
50) Aroclor 1262 (3)	8.182	4395651	344.332 ng/ml
51) Aroclor 1262 (4)	8.353	10982417	388.028 ng/ml
52) Aroclor 1262 (5)	8.652	7136322	394.846 ng/ml
53) Aroclor 1262 (6)	9.039	2883087	318.405 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.182	4395651	684.020 ng/ml
56) Aroclor 1268 (2)	8.599	2390333	80.530 ng/ml
57) Aroclor 1268 (3)	8.652	7136322	285.702 ng/ml
58) Aroclor 1268 (4)	8.826	293121	12.710 ng/ml
59) Aroclor 1268 (5)	9.039	2883087	313.037 ng/ml
60) Aroclor 1268 (6)	9.294	736732	11.359 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 7:54
Operator : MJB / KAK
Sample : 0C02025-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 11:12:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\QC02025\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 8:12
 Operator : MJB / KAK
 Sample : QC02025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:12:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

3/12/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.782	6526517	82.689 ng/ml
62) S DCBP (S)	9.526	13436770	98.916 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.699	4314	0.936 ng/ml
3) Aroclor 1016 (2)	6.124	5861	0.666 ng/ml
4) Aroclor 1016 (3)	6.183	1677	0.350 ng/ml
5) Aroclor 1016 (4)	6.341	1346	0.304 ng/ml
6) Aroclor 1016 (5)	6.565	1038	0.203 ng/ml
7) Aroclor 1016 (6)	6.697	1719	0.465 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.136	17563	12.883 ng/ml
10) Aroclor 1221 (2)	5.258	14072	15.276 ng/ml
11) Aroclor 1221 (3)	5.337	12064	4.252 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.327	12206	5.159 ng/ml
14) Aroclor 1232 (2)	6.124	5861	1.634 ng/ml
15) Aroclor 1232 (3)	6.183	1677	0.852 ng/ml
16) Aroclor 1232 (4)	6.341	1346	0.886 ng/ml
17) Aroclor 1232 (5)	6.565	1038	0.538 ng/ml
18) Aroclor 1232 (6)	6.697	1719	1.091 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.699	4314	1.225 ng/ml
21) Aroclor 1242 (2)	6.124	5861	0.817 ng/ml
22) Aroclor 1242 (3)	6.183	1677	0.456 ng/ml
23) Aroclor 1242 (4)	6.341	1346	0.411 ng/ml
24) Aroclor 1242 (5)	6.565	1038	0.253 ng/ml
25) Aroclor 1242 (6)	6.697	1719	0.504 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.124	5861	1.344 ng/ml
28) Aroclor 1248 (2)	6.341	1346	0.236 ng/ml
29) Aroclor 1248 (3)	6.565	1038	0.160 ng/ml
30) Aroclor 1248 (4)	6.859	668	0.091 ng/ml
31) Aroclor 1248 (5)	6.898	776	0.103 ng/ml
32) Aroclor 1248 (6)	7.379	1775	0.433 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.898	776	0.088 ng/ml
35) Aroclor 1254 (2)	7.009	715	0.065 ng/ml
36) Aroclor 1254 (3)	7.379	1775	0.107 ng/ml
37) Aroclor 1254 (4)	7.538	1867	0.176 ng/ml
38) Aroclor 1254 (5)	7.930	8134	0.702 ng/ml
39) Aroclor 1254 (6)	8.214	1543	0.414 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.496	2590	0.255 ng/ml
42) Aroclor 1260 (2)	7.650	12492	0.988 ng/ml
43) Aroclor 1260 (3)	8.179	2108	0.222 ng/ml
44) Aroclor 1260 (4)	8.348	22400	0.996 ng/ml
45) Aroclor 1260 (5)	8.652	5102	0.336 ng/ml
46) Aroclor 1260 (6)	9.038	7588	1.236 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 8:12
 Operator : MJB / KAK
 Sample : 0C02025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:12:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

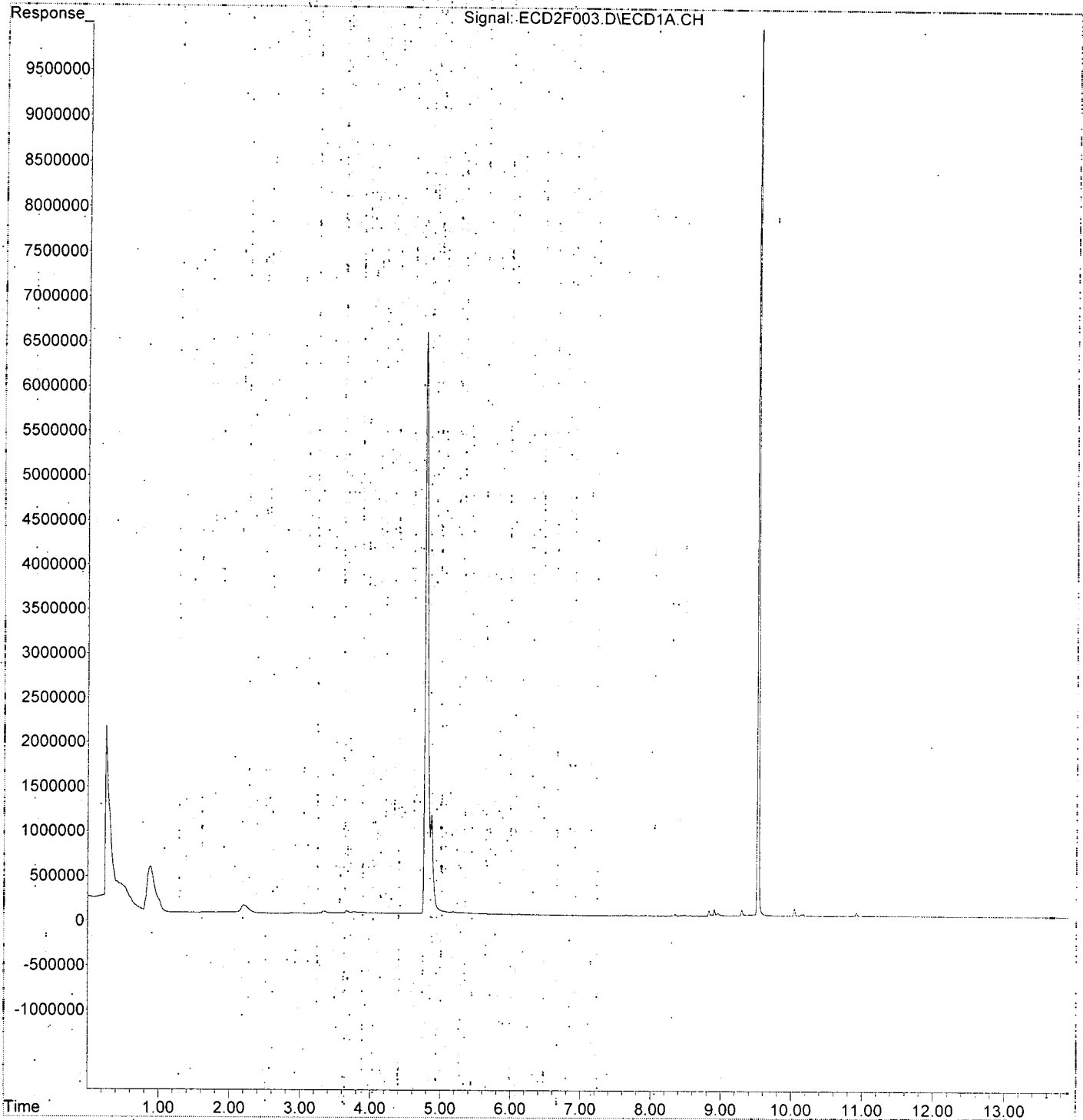
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.650	12492	1.163 ng/ml
49) Aroclor 1262 (2)	7.971	1599	0.104 ng/ml
50) Aroclor 1262 (3)	8.179	2108	0.165 ng/ml
51) Aroclor 1262 (4)	8.348	22400	0.791 ng/ml
52) Aroclor 1262 (5)	8.652	5102	0.282 ng/ml
53) Aroclor 1262 (6)	9.038	7588	0.838 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.179	2108	0.328 ng/ml
56) Aroclor 1268 (2)	8.599	3223	0.109 ng/ml
57) Aroclor 1268 (3)	8.652	5102	0.204 ng/ml
58) Aroclor 1268 (4)	8.830	63271	2.743 ng/ml
59) Aroclor 1268 (5)	9.038	7588	0.824 ng/ml
60) Aroclor 1268 (6)	9.296	70537	1.088 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 8:12
Operator : MJB / KAK
Sample : 0C02025-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 11:12:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02025\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 10:15
 Operator : MJB / KAK
 Sample : 0020809-MSD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:14:17 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 3/2/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.773	15158046	192.047	ng/ml
62) S DCBP (S)	9.527	18335832	134.981	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.688	2911875	631.952	ng/ml
3) Aroclor 1016 (2)	6.099	6463739	734.496	ng/ml
4) Aroclor 1016 (3)	6.182	3105575	648.786	ng/ml
5) Aroclor 1016 (4)	6.341	2567672	579.318	ng/ml
6) Aroclor 1016 (5)	6.563	2934455	573.754	ng/ml
7) Aroclor 1016 (6)	6.687	1984092	536.724	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.127	494814	362.949	ng/ml
10) Aroclor 1221 (2)	5.246	288860	313.564	ng/ml
11) Aroclor 1221 (3)	5.326	1520834	536.050	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.326	1520834	642.825	ng/ml
14) Aroclor 1232 (2)	6.099	6463739	1801.846	ng/ml
15) Aroclor 1232 (3)	6.182	3105575	1577.870	ng/ml
16) Aroclor 1232 (4)	6.341	2567672	1689.988	ng/ml
17) Aroclor 1232 (5)	6.563	2934455	1520.137	ng/ml
18) Aroclor 1232 (6)	6.687	1984092	1259.772	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.688	2911875	827.042	ng/ml
21) Aroclor 1242 (2)	6.099	6463739	901.000	ng/ml
22) Aroclor 1242 (3)	6.182	3105575	844.848	ng/ml
23) Aroclor 1242 (4)	6.341	2567672	784.260	ng/ml
24) Aroclor 1242 (5)	6.563	2934455	715.951	ng/ml
25) Aroclor 1242 (6)	6.687	1984092	582.196	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.099	6463739	1481.802	ng/ml
28) Aroclor 1248 (2)	6.341	2567672	450.071	ng/ml
29) Aroclor 1248 (3)	6.563	2934455	453.234	ng/ml
30) Aroclor 1248 (4)	6.857	609796	82.918	ng/ml
31) Aroclor 1248 (5)	6.891	2169679	287.543	ng/ml
32) Aroclor 1248 (6)	7.378	4433437	1080.432	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.891	2169679	244.871	ng/ml
35) Aroclor 1254 (2)	7.002	2367169	213.602	ng/ml
36) Aroclor 1254 (3)	7.378	4433437	266.445	ng/ml
37) Aroclor 1254 (4)	7.539	782839	73.659	ng/ml
38) Aroclor 1254 (5)	7.918	6113545	527.754	ng/ml
39) Aroclor 1254 (6)	8.208	585404	156.912	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.491	6420292	631.173	ng/ml
42) Aroclor 1260 (2)	7.625	8521581	674.060	ng/ml
43) Aroclor 1260 (3)	8.181	5724790	602.416	ng/ml
44) Aroclor 1260 (4)	8.352	15360146	682.799	ng/ml
45) Aroclor 1260 (5)	8.650	9776213	643.236	ng/ml
46) Aroclor 1260 (6)	9.040	3833886	624.526	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0C02025\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 10:15
 Operator : MJB / KAK
 Sample : 0020809-MSD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:14:17 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.625	8521581	793.112	ng/ml
49) Aroclor 1262 (2)	7.949	6131767	400.214	ng/ml
50) Aroclor 1262 (3)	8.181	5724790	448.450	ng/ml
51) Aroclor 1262 (4)	8.352	15360146	542.700	ng/ml
52) Aroclor 1262 (5)	8.650	9776213	540.908	ng/ml
53) Aroclor 1262 (6)	9.040	3833886	423.411	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.181	5724790	890.852	ng/ml
56) Aroclor 1268 (2)	8.599	3307408	111.426	ng/ml
57) Aroclor 1268 (3)	8.650	9776213	391.389	ng/ml
58) Aroclor 1268 (4)	8.813	616617	26.736	ng/ml
59) Aroclor 1268 (5)	9.040	3833886	416.272	ng/ml
60) Aroclor 1268 (6)	9.294	1355275	20.895	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

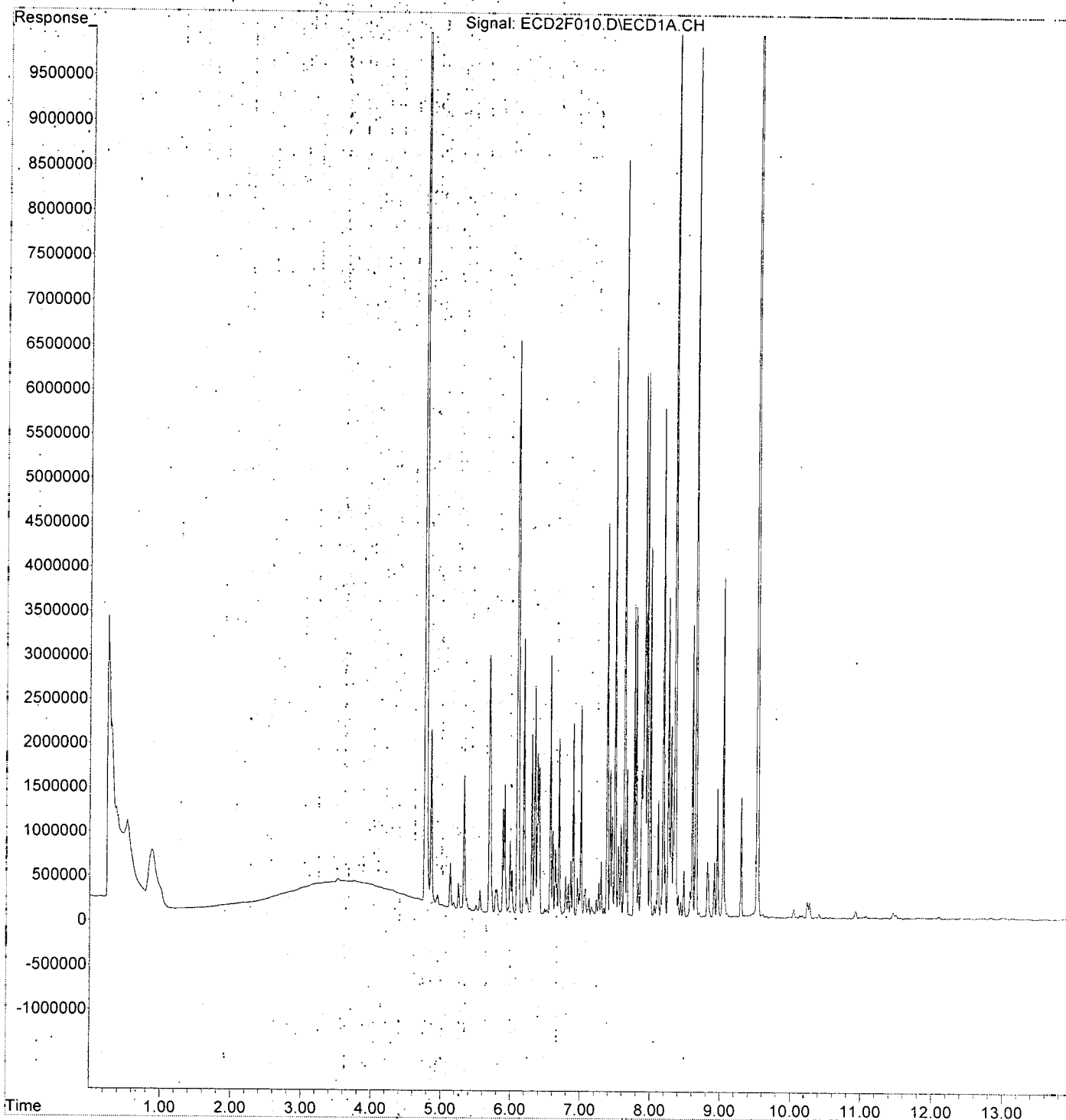
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 10:15
Operator : MJB / KAK
Sample : 0020809-MSD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 11:14:17 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02025\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 10:50
 Operator : MJB / KAK
 Sample : 0C02025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:30:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.781	19600262	248.328	ng/ml
62) S DCBP (S)	9.523	33612906	247.445	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.692	2167914	470.493	ng/ml
3) Aroclor 1016 (2)	6.104	4263119	484.432	ng/ml
4) Aroclor 1016 (3)	6.186	2218977	463.567	ng/ml
5) Aroclor 1016 (4)	6.343	2027954	457.547	ng/ml
6) Aroclor 1016 (5)	6.565	2371655	463.714	ng/ml
7) Aroclor 1016 (6)	6.691	1600685	433.007	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.131	210189	154.175	ng/ml
10) Aroclor 1221 (2)	5.249	228050	247.553	ng/ml
11) Aroclor 1221 (3)	5.331	960891	338.686	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.331	960891	406.149	ng/ml
14) Aroclor 1232 (2)	6.104	4263119	1188.396	ng/ml
15) Aroclor 1232 (3)	6.186	2218977	1127.410	ng/ml
16) Aroclor 1232 (4)	6.343	2027954	1334.757	ng/ml
17) Aroclor 1232 (5)	6.565	2371655	1228.589	ng/ml
18) Aroclor 1232 (6)	6.691	1600685	1016.333	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.692	2167914	615.740	ng/ml
21) Aroclor 1242 (2)	6.104	4263119	594.249	ng/ml
22) Aroclor 1242 (3)	6.186	2218977	603.656	ng/ml
23) Aroclor 1242 (4)	6.343	2027954	619.410	ng/ml
24) Aroclor 1242 (5)	6.565	2371655	578.639	ng/ml
25) Aroclor 1242 (6)	6.691	1600685	469.693	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.104	4263119	977.313	ng/ml
28) Aroclor 1248 (2)	6.343	2027954	355.467	ng/ml
29) Aroclor 1248 (3)	6.565	2371655	366.308	ng/ml
30) Aroclor 1248 (4)	6.859	437193	59.448	ng/ml
31) Aroclor 1248 (5)	6.892	1541533	204.296	ng/ml
32) Aroclor 1248 (6)	7.379	3600958	877.556	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.892	1541533	173.978	ng/ml
35) Aroclor 1254 (2)	7.003	1727978	155.924	ng/ml
36) Aroclor 1254 (3)	7.379	3600958	216.414	ng/ml
37) Aroclor 1254 (4)	7.539	493112	46.398	ng/ml
38) Aroclor 1254 (5)	7.918	4741195	409.286	ng/ml
39) Aroclor 1254 (6)	8.209	496755	133.151	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.491	4925031	484.176	ng/ml
42) Aroclor 1260 (2)	7.624	5934557	469.425	ng/ml
43) Aroclor 1260 (3)	8.179	4412570	464.332	ng/ml
44) Aroclor 1260 (4)	8.350	11073732	492.256	ng/ml
45) Aroclor 1260 (5)	8.649	7091789	466.612	ng/ml
46) Aroclor 1260 (6)	9.036	2777450	452.436	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0C02025\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 10:50
Operator : MJB / KAK
Sample : 0C02025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 11:30:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

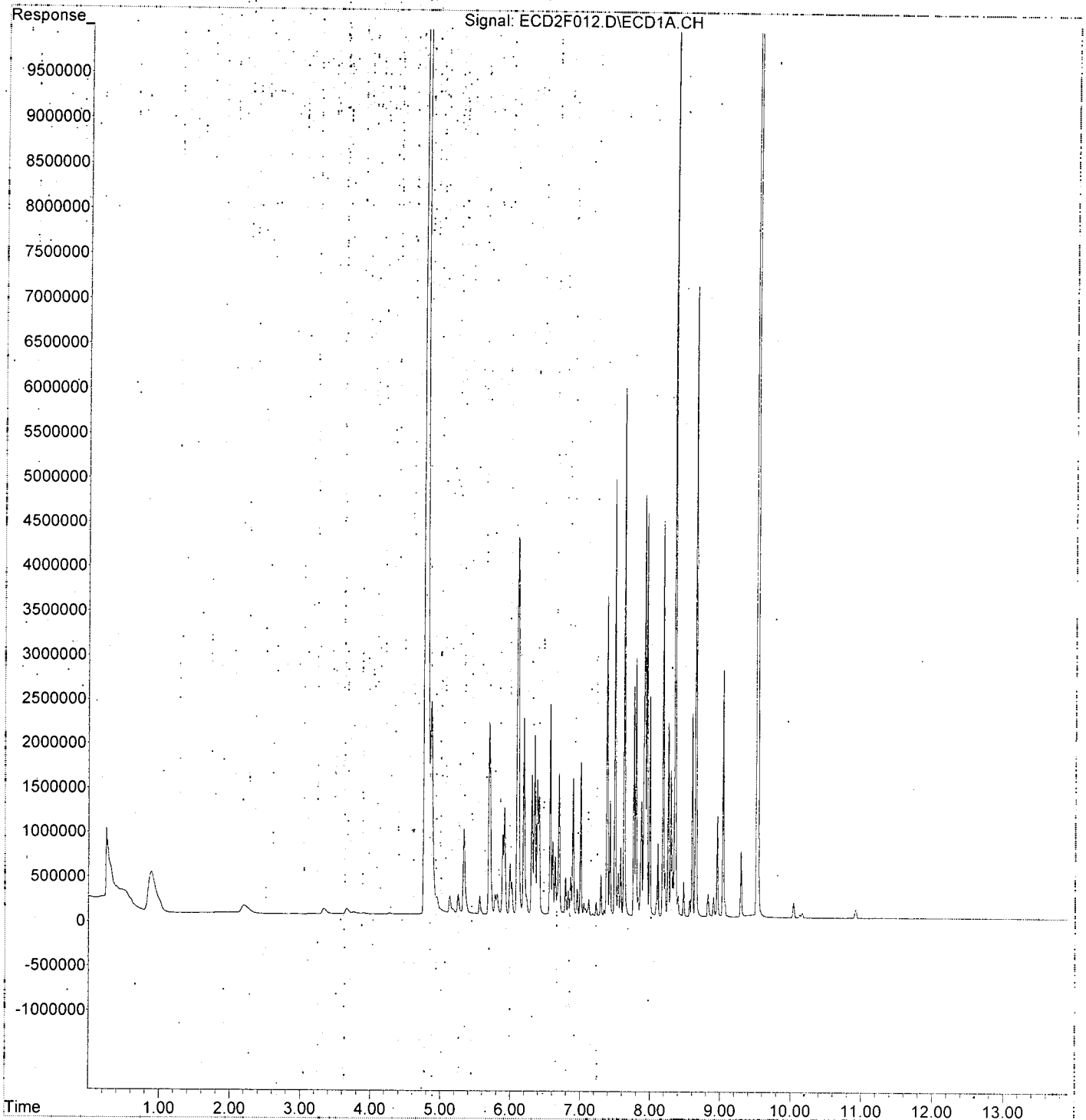
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.624	5934557	552.335	ng/ml
49)	Aroclor 1262 (2)	7.948	4545336	296.669	ng/ml
50)	Aroclor 1262 (3)	8.179	4412570	345.658	ng/ml
51)	Aroclor 1262 (4)	8.350	11073732	391.254	ng/ml
52)	Aroclor 1262 (5)	8.649	7091789	392.382	ng/ml
53)	Aroclor 1262 (6)	9.036	2777450	306.739	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.179	4412570	686.653	ng/ml
56)	Aroclor 1268 (2)	8.596	2289977	77.149	ng/ml
57)	Aroclor 1268 (3)	8.649	7091789	283.919	ng/ml
58)	Aroclor 1268 (4)	8.823	260041	11.275	ng/ml
59)	Aroclor 1268 (5)	9.036	2777450	301.568	ng/ml
60)	Aroclor 1268 (6)	9.292	743667	11.466	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 10:50
Operator : MJB / KAK
Sample : 0C02025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 11:30:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02025\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 11:08
 Operator : MJB / KAK
 Sample : 0C02025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:30:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

3/12/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.781	6790513	86.033 ng/ml
62) S DCBP (S)	9.524	13306079	97.954 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.689	6217	1.349 ng/ml
3) Aroclor 1016 (2)	6.122	8765	0.996 ng/ml
4) Aroclor 1016 (3)	6.178	3193	0.667 ng/ml
5) Aroclor 1016 (4)	6.344	2894	0.653 ng/ml
6) Aroclor 1016 (5)	6.565	2811	0.550 ng/ml
7) Aroclor 1016 (6)	6.696	2128	0.576 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.128	17324	12.707 ng/ml
10) Aroclor 1221 (2)	5.252	15286	16.593 ng/ml
11) Aroclor 1221 (3)	5.329	13352	4.706 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.329	13352	5.644 ng/ml
14) Aroclor 1232 (2)	6.087	3889	1.084 ng/ml
15) Aroclor 1232 (3)	6.178	3193	1.622 ng/ml
16) Aroclor 1232 (4)	6.344	2894	1.905 ng/ml
17) Aroclor 1232 (5)	6.565	2811	1.456 ng/ml
18) Aroclor 1232 (6)	6.696	2128	1.351 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.689	6217	1.766 ng/ml
21) Aroclor 1242 (2)	6.122	8765	1.222 ng/ml
22) Aroclor 1242 (3)	6.178	3193	0.869 ng/ml
23) Aroclor 1242 (4)	6.344	2894	0.884 ng/ml
24) Aroclor 1242 (5)	6.565	2811	0.686 ng/ml
25) Aroclor 1242 (6)	6.696	2128	0.624 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.122	8765	2.009 ng/ml
28) Aroclor 1248 (2)	6.344	2894	0.507 ng/ml
29) Aroclor 1248 (3)	6.565	2811	0.434 ng/ml
30) Aroclor 1248 (4)	6.860	1656	0.225 ng/ml
31) Aroclor 1248 (5)	6.897	1628	0.216 ng/ml
32) Aroclor 1248 (6)	7.376	1181	0.288 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.897	1628	0.184 ng/ml
35) Aroclor 1254 (2)	7.005	826	0.074 ng/ml
36) Aroclor 1254 (3)	7.376	1181	0.071 ng/ml
37) Aroclor 1254 (4)	7.535	1988	0.187 ng/ml
38) Aroclor 1254 (5)	7.929	4372	0.377 ng/ml
39) Aroclor 1254 (6)	8.211	430	0.115 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.495	2154	0.212 ng/ml
42) Aroclor 1260 (2)	7.627	2291	0.181 ng/ml
43) Aroclor 1260 (3)	8.179	1089	0.115 ng/ml
44) Aroclor 1260 (4)	8.348	12301	0.547 ng/ml
45) Aroclor 1260 (5)	8.650	3436	0.226 ng/ml
46) Aroclor 1260 (6)	9.037	4829	0.787 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 11:08
 Operator : MJB / KAK
 Sample : 0C02025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 11:30:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.627	2291	0.213 ng/ml
49) Aroclor 1262 (2)	7.947	1638	0.107 ng/ml
50) Aroclor 1262 (3)	8.179	1089	0.085 ng/ml
51) Aroclor 1262 (4)	8.348	12301	0.435 ng/ml
52) Aroclor 1262 (5)	8.650	3436	0.190 ng/ml
53) Aroclor 1262 (6)	9.037	4829	0.533 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.179	1089	0.169 ng/ml
56) Aroclor 1268 (2)	8.600	1764	0.059 ng/ml
57) Aroclor 1268 (3)	8.650	3436	0.138 ng/ml
58) Aroclor 1268 (4)	8.829	57657	2.500 ng/ml
59) Aroclor 1268 (5)	9.037	4829	0.524 ng/ml
60) Aroclor 1268 (6)	9.294	69558	1.072 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

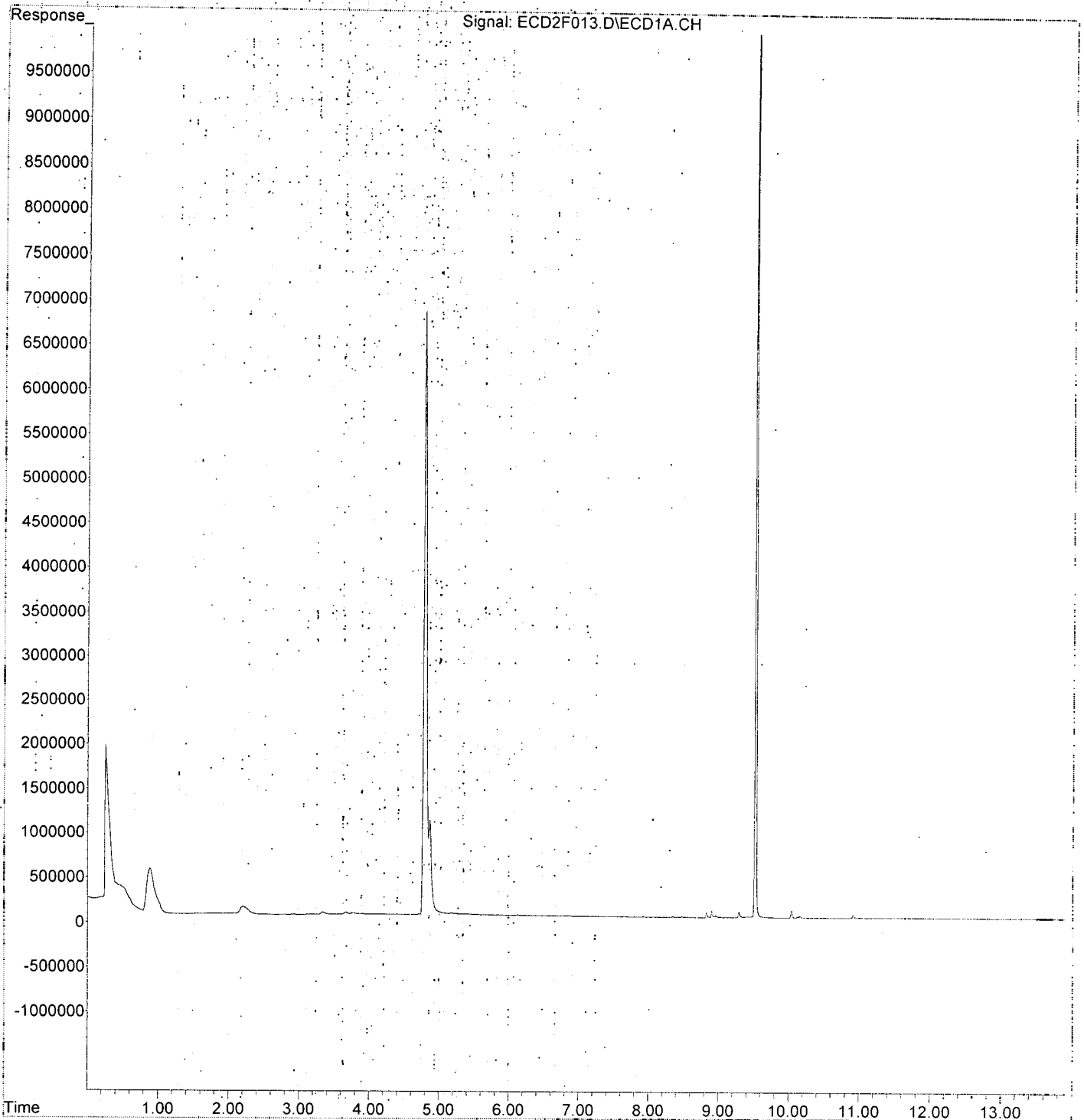
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 11:08
Operator : MJB / KAK
Sample : 0C02025-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 11:30:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 12:41
 Operator : MJB / KAK
 Sample : 0020917-BLK1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:33:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/2/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.794	12694226	160.831 ng/ml
62) S DCBP (S)	9.535	29906157	220.157 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.702	7372	1.600 ng/ml
3) Aroclor 1016 (2)	6.112	5342	0.607 ng/ml
4) Aroclor 1016 (3)	6.192	3182	0.665 ng/ml
5) Aroclor 1016 (4)	6.338	2541	0.573 ng/ml
6) Aroclor 1016 (5)	6.574	3386	0.662 ng/ml
7) Aroclor 1016 (6)	6.700	2856	0.772 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.145	268666	197.068 ng/ml
10) Aroclor 1221 (2)	5.283	20568	22.327 ng/ml
11) Aroclor 1221 (3)	5.333	19293	6.800 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.333	19293	8.155 ng/ml
14) Aroclor 1232 (2)	6.112	5342	1.489 ng/ml
15) Aroclor 1232 (3)	6.192	3182	1.617 ng/ml
16) Aroclor 1232 (4)	6.338	2541	1.672 ng/ml
17) Aroclor 1232 (5)	6.574	3386	1.754 ng/ml
18) Aroclor 1232 (6)	6.700	2856	1.813 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.702	7372	2.094 ng/ml
21) Aroclor 1242 (2)	6.112	5342	0.745 ng/ml
22) Aroclor 1242 (3)	6.192	3182	0.866 ng/ml
23) Aroclor 1242 (4)	6.338	2541	0.776 ng/ml
24) Aroclor 1242 (5)	6.574	3386	0.826 ng/ml
25) Aroclor 1242 (6)	6.700	2856	0.838 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.112	5342	1.225 ng/ml
28) Aroclor 1248 (2)	6.338	2541	0.445 ng/ml
29) Aroclor 1248 (3)	6.574	3386	0.523 ng/ml
30) Aroclor 1248 (4)	6.864	1675	0.228 ng/ml
31) Aroclor 1248 (5)	6.900	2169	0.287 ng/ml
32) Aroclor 1248 (6)	7.384	12764	3.111 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.900	2169	0.245 ng/ml
35) Aroclor 1254 (2)	7.013	1668	0.150 ng/ml
36) Aroclor 1254 (3)	7.384	12764	0.767 ng/ml
37) Aroclor 1254 (4)	7.543	9316	0.877 ng/ml
38) Aroclor 1254 (5)	7.935	8894	0.768 ng/ml
39) Aroclor 1254 (6)	8.210	953	0.256 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.497	12080	1.188 ng/ml
42) Aroclor 1260 (2)	7.630	7463	0.590 ng/ml
43) Aroclor 1260 (3)	8.186	2210	0.233 ng/ml
44) Aroclor 1260 (4)	8.354	16217	0.721 ng/ml
45) Aroclor 1260 (5)	8.655	4225	0.278 ng/ml
46) Aroclor 1260 (6)	8.998	14629	2.383 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0C02025\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 12:41
 Operator : MJB / KAK
 Sample : 0020917-BLK1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:33:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.630	7463	0.695 ng/ml
49) Aroclor 1262 (2)	7.956	3284	0.214 ng/ml
50) Aroclor 1262 (3)	8.186	2210	0.173 ng/ml
51) Aroclor 1262 (4)	8.354	16217	0.573 ng/ml
52) Aroclor 1262 (5)	8.655	4225	0.234 ng/ml
53) Aroclor 1262 (6)	8.998f	14629	1.616 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.166	1320	0.205 ng/ml
56) Aroclor 1268 (2)	8.601	4026	0.136 ng/ml
57) Aroclor 1268 (3)	8.655	4225	0.169 ng/ml
58) Aroclor 1268 (4)	8.836	84605	3.668 ng/ml
59) Aroclor 1268 (5)	8.998f	14629	1.588 ng/ml
60) Aroclor 1268 (6)	9.304	96786	1.492 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

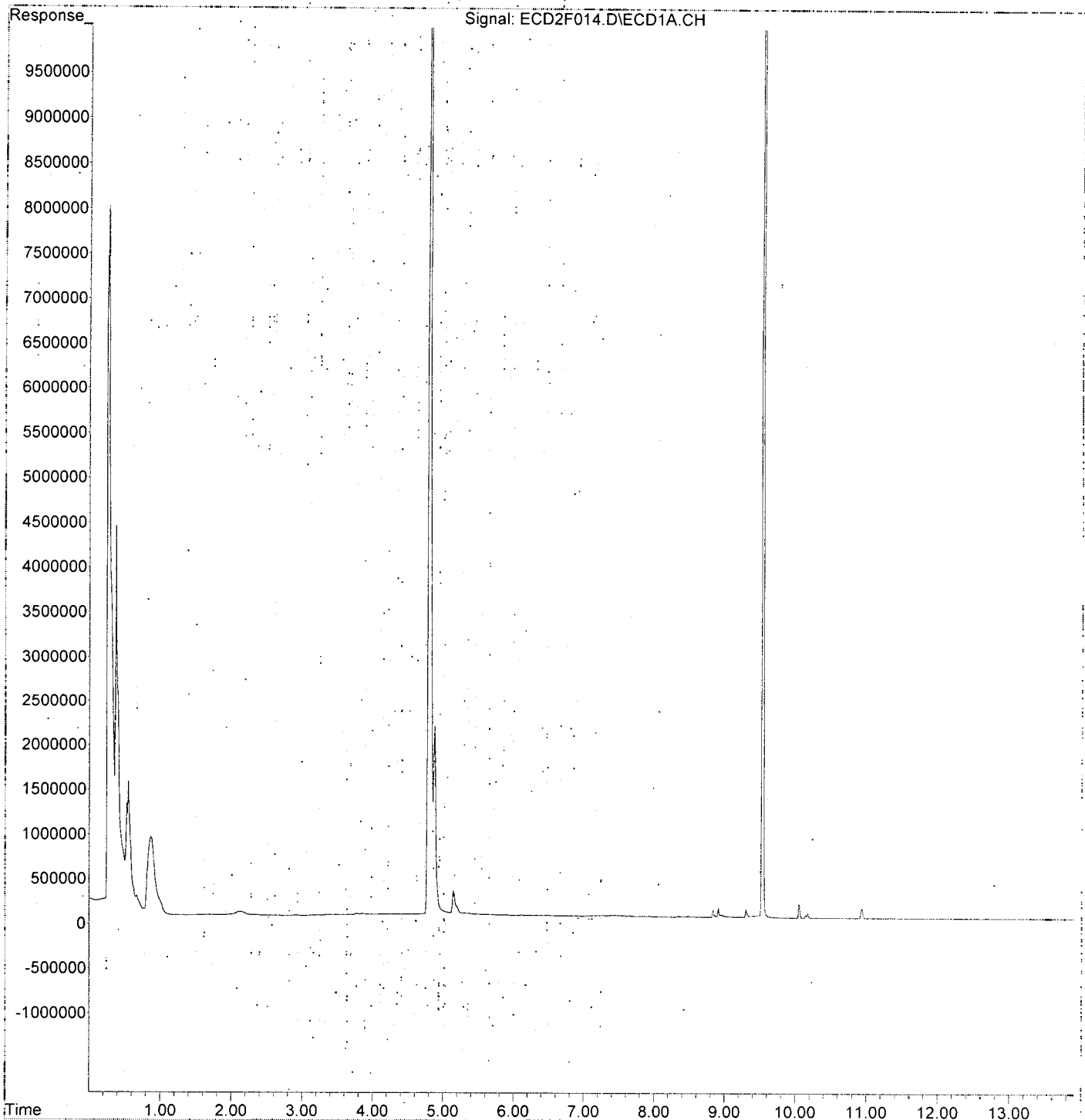
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 12:41
Operator : MJB / KAK
Sample : 0020917-BLK1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 15:33:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 12:58
 Operator : MJB / KAK
 Sample : 0020917-BS1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:33:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 3/2/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds.				
1) S TCMX (S)	4.786	13543708	171.594	ng/ml
62) S DCBP (S)	9.526	33200678	244.410	ng/ml
Target Compounds.				
2) Aroclor 1016 (1)	5.695	3917838	850.272	ng/ml
3) Aroclor 1016 (2)	6.106	8586709	975.736	ng/ml
4) Aroclor 1016 (3)	6.188	4138579	864.592	ng/ml
5) Aroclor 1016 (4)	6.345	4039905	911.483	ng/ml
6) Aroclor 1016 (5)	6.567	4381129	856.613	ng/ml
7) Aroclor 1016 (6)	6.694	3190617	863.106	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.137	586620	430.289	ng/ml
10) Aroclor 1221 (2)	5.253	369657	401.270	ng/ml
11) Aroclor 1221 (3)	5.335	1697989	598.493	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.335	1697989	717.705	ng/ml
14) Aroclor 1232 (2)	6.106	8586709	2393.650	ng/ml
15) Aroclor 1232 (3)	6.188	4138579	2102.715	ng/ml
16) Aroclor 1232 (4)	6.345	4039905	2658.981	ng/ml
17) Aroclor 1232 (5)	6.567	4381129	2269.558	ng/ml
18) Aroclor 1232 (6)	6.694	3190617	2025.838	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.695	3917838	1112.760	ng/ml
21) Aroclor 1242 (2)	6.106	8586709	1196.927	ng/ml
22) Aroclor 1242 (3)	6.188	4138579	1125.869	ng/ml
23) Aroclor 1242 (4)	6.345	4039905	1233.933	ng/ml
24) Aroclor 1242 (5)	6.567	4381129	1068.912	ng/ml
25) Aroclor 1242 (6)	6.694	3190617	936.230	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.106	8586709	1968.489	ng/ml
28) Aroclor 1248 (2)	6.345	4039905	708.129	ng/ml
29) Aroclor 1248 (3)	6.567	4381129	676.677	ng/ml
30) Aroclor 1248 (4)	6.861	923141	125.525	ng/ml
31) Aroclor 1248 (5)	6.894	3259478	431.972	ng/ml
32) Aroclor 1248 (6)	7.381	7666966	1868.445	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.894	3259478	367.866	ng/ml
35) Aroclor 1254 (2)	7.004	3852488	347.630	ng/ml
36) Aroclor 1254 (3)	7.381	7666966	460.776	ng/ml
37) Aroclor 1254 (4)	7.541	1065497	100.255	ng/ml
38) Aroclor 1254 (5)	7.920	10313582	890.324	ng/ml
39) Aroclor 1254 (6)	8.211	990710	265.551	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.493	10825039	1064.200	ng/ml
42) Aroclor 1260 (2)	7.627	14488511	1146.046	ng/ml
43) Aroclor 1260 (3)	8.181	9992011	1051.453	ng/ml
44) Aroclor 1260 (4)	8.352	26852743	1193.675	ng/ml
45) Aroclor 1260 (5)	8.651	17108448	1125.668	ng/ml
46) Aroclor 1260 (6)	9.039	6773017	1103.299	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0C02025\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 12:58
 Operator : MJB / KAK
 Sample : 0020917-BS1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:33:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

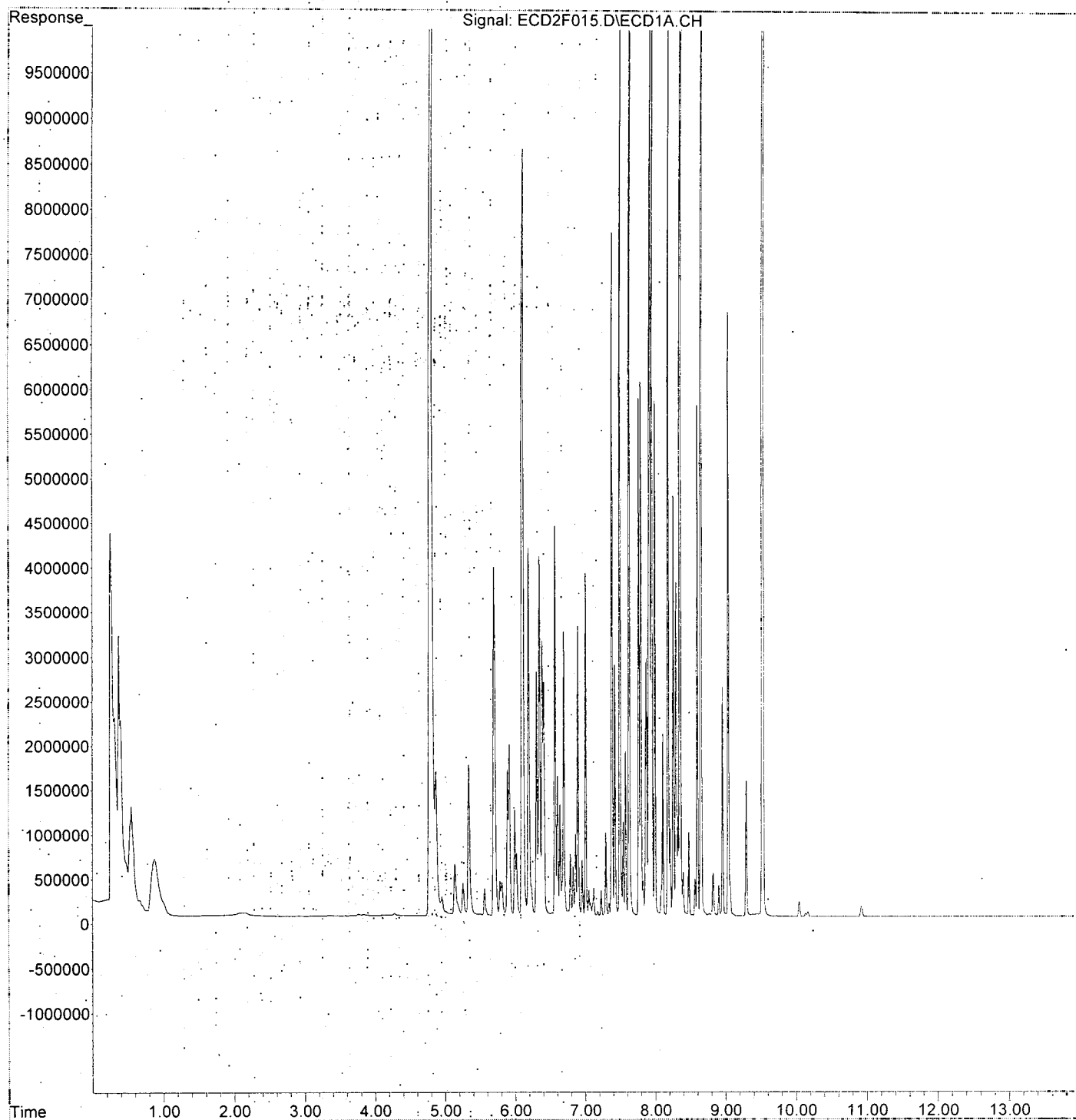
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.627	14488511	1348.460	ng/ml
49) Aroclor 1262 (2)	7.950	10659764	695.752	ng/ml
50) Aroclor 1262 (3)	8.181	9992011	782.722	ng/ml
51) Aroclor 1262 (4)	8.352	26852743	948.753	ng/ml
52) Aroclor 1262 (5)	8.651	17108448	946.593	ng/ml
53) Aroclor 1262 (6)	9.039	6773017	748.006	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.181	9992011	1554.887	ng/ml
56) Aroclor 1268 (2)	8.599	5747840	193.643	ng/ml
57) Aroclor 1268 (3)	8.651	17108448	684.934	ng/ml
58) Aroclor 1268 (4)	8.823	492492	21.354	ng/ml
59) Aroclor 1268 (5)	9.039	6773017	735.395	ng/ml
60) Aroclor 1268 (6)	9.294	1521553	23.459	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 12:58
Operator : MJB / KAK
Sample : 0020917-BS1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 15:33:24 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 14:26
 Operator : MJB / KAK
 Sample : A0B0681-01RE1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:34:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/12/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.773	16888459	213.971	ng/ml
62) S DCBP (S)	9.525	24519160	180.500	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.682	4085	0.887	ng/ml
3) Aroclor 1016 (2)	6.104	3160	0.359	ng/ml
4) Aroclor 1016 (3)	6.178	2861	0.598	ng/ml
5) Aroclor 1016 (4)	6.343	2669	0.602	ng/ml
6) Aroclor 1016 (5)	6.587	3553	0.695	ng/ml
7) Aroclor 1016 (6)	6.690	2081	0.563	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.130	306743	224.998	ng/ml
10) Aroclor 1221 (2)	5.254	8289	8.998	ng/ml
11) Aroclor 1221 (3)	5.339	14236	5.018	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.339	14236	6.017	ng/ml
14) Aroclor 1232 (2)	6.104	3160	0.881	ng/ml
15) Aroclor 1232 (3)	6.178	2861	1.453	ng/ml
16) Aroclor 1232 (4)	6.343	2669	1.756	ng/ml
17) Aroclor 1232 (5)	6.587	3553	1.841	ng/ml
18) Aroclor 1232 (6)	6.690	2081	1.322	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.682	4085	1.160	ng/ml
21) Aroclor 1242 (2)	6.104	3160	0.440	ng/ml
22) Aroclor 1242 (3)	6.178	2861	0.778	ng/ml
23) Aroclor 1242 (4)	6.343	2669	0.815	ng/ml
24) Aroclor 1242 (5)	6.587	3553	0.867	ng/ml
25) Aroclor 1242 (6)	6.690	2081	0.611	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.104	3160	0.724	ng/ml
28) Aroclor 1248 (2)	6.343	2669	0.468	ng/ml
29) Aroclor 1248 (3)	6.587	3553	0.549	ng/ml
30) Aroclor 1248 (4)	6.843	3266	0.444	ng/ml
31) Aroclor 1248 (5)	6.900	2679	0.355	ng/ml
32) Aroclor 1248 (6)	7.380	2160	0.526	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.900	2679	0.302	ng/ml
35) Aroclor 1254 (2)	7.002	2315	0.209	ng/ml
36) Aroclor 1254 (3)	7.380	2160	0.130	ng/ml
37) Aroclor 1254 (4)	7.545	8988	0.846	ng/ml
38) Aroclor 1254 (5)	7.920	6654	0.574	ng/ml
39) Aroclor 1254 (6)	8.210	7788	2.087	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.493	4601	0.452	ng/ml
42) Aroclor 1260 (2)	7.624	5957	0.471	ng/ml
43) Aroclor 1260 (3)	8.178	6840	0.720	ng/ml
44) Aroclor 1260 (4)	8.337	12162	0.541	ng/ml
45) Aroclor 1260 (5)	8.643	14259	0.938	ng/ml
46) Aroclor 1260 (6)	9.023	15434	2.514	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 14:26
 Operator : MJB / KAK
 Sample : A0B0681-01RE1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:34:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

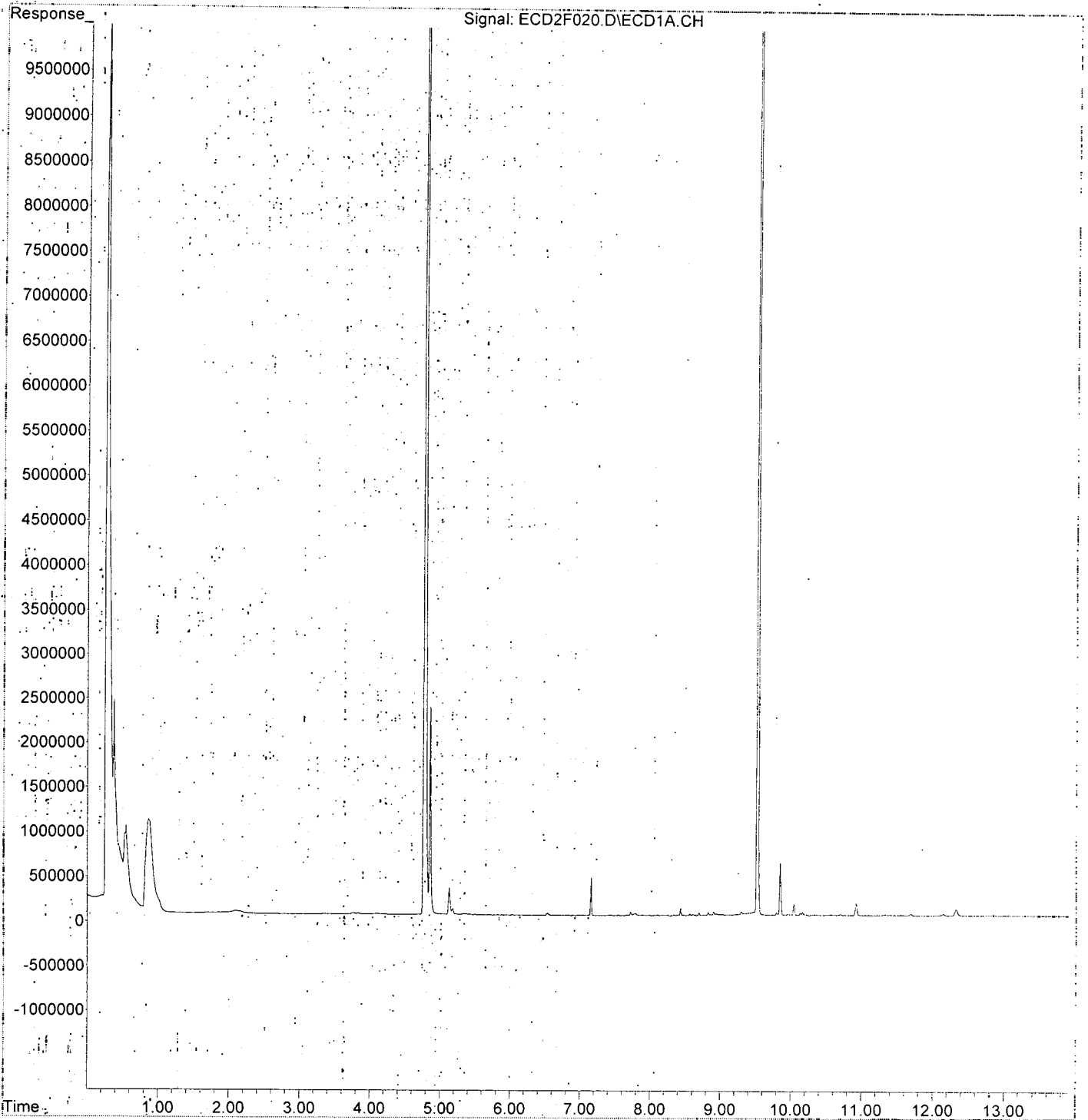
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.624	5957	0.554 ng/ml
49) Aroclor 1262 (2)	7.948	6015	0.393 ng/ml
50) Aroclor 1262 (3)	8.178	6840	0.536 ng/ml
51) Aroclor 1262 (4)	8.337	12162	0.430 ng/ml
52) Aroclor 1262 (5)	8.643	14259	0.789 ng/ml
53) Aroclor 1262 (6)	9.023	15434	1.704 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.178	6840	1.064 ng/ml
56) Aroclor 1268 (2)	8.605	16400	0.552 ng/ml
57) Aroclor 1268 (3)	8.643	14259	0.571 ng/ml
58) Aroclor 1268 (4)	8.827	38492	1.669 ng/ml
59) Aroclor 1268 (5)	9.023	15434	1.676 ng/ml
60) Aroclor 1268 (6)	9.295	47980	0.740 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020, 14:26
Operator : MJB / KAK
Sample : A0B0681-01RE1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 15:34:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\OC02025\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 15:01
 Operator : MJB / KAK
 Sample : AOB0681-02RE1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:34:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 Qlast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 3/12/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.776	12258942	155.316	ng/ml
62) S DCBP (S)	9.524	13635399	100.378	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.679	1115	0.242	ng/ml
3) Aroclor 1016 (2)	6.102	6161	0.700	ng/ml
4) Aroclor 1016 (3)	6.182	6083	1.271	ng/ml
5) Aroclor 1016 (4)	6.343	5456	1.231	ng/ml
6) Aroclor 1016 (5)	6.539	38808	7.588	ng/ml
7) Aroclor 1016 (6)	6.713	1557	0.421	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.133	193789	142.145	ng/ml
10) Aroclor 1221 (2)	5.263	6405	6.953	ng/ml
11) Aroclor 1221 (3)	5.342	20530	7.236	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.342	20530	8.677	ng/ml
14) Aroclor 1232 (2)	6.102	6161	1.717	ng/ml
15) Aroclor 1232 (3)	6.182	6083	3.091	ng/ml
16) Aroclor 1232 (4)	6.343	5456	3.591	ng/ml
17) Aroclor 1232 (5)	6.539	38808	20.104	ng/ml
18) Aroclor 1232 (6)	6.713	1557	0.988	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.705	1414	0.402	ng/ml
21) Aroclor 1242 (2)	6.102	6161	0.859	ng/ml
22) Aroclor 1242 (3)	6.182	6083	1.655	ng/ml
23) Aroclor 1242 (4)	6.343	5456	1.667	ng/ml
24) Aroclor 1242 (5)	6.539	38808	9.468	ng/ml
25) Aroclor 1242 (6)	6.713	1557	0.457	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.102	6161	1.412	ng/ml
28) Aroclor 1248 (2)	6.343	5456	0.956	ng/ml
29) Aroclor 1248 (3)	6.539	38808	5.994	ng/ml
30) Aroclor 1248 (4)	6.847	5731	0.779	ng/ml
31) Aroclor 1248 (5)	6.886	3140	0.416	ng/ml
32) Aroclor 1248 (6)	7.354	7578	1.847	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.886	3140	0.354	ng/ml
35) Aroclor 1254 (2)	7.009	1042	0.094	ng/ml
36) Aroclor 1254 (3)	7.354	7578	0.455	ng/ml
37) Aroclor 1254 (4)	7.549	24491	2.304	ng/ml
38) Aroclor 1254 (5)	7.927	7994	0.690	ng/ml
39) Aroclor 1254 (6)	8.207	10259	2.750	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.490	3003	0.295	ng/ml
42) Aroclor 1260 (2)	7.626	4728	0.374	ng/ml
43) Aroclor 1260 (3)	8.171	7422	0.781	ng/ml
44) Aroclor 1260 (4)	8.339	22116	0.983	ng/ml
45) Aroclor 1260 (5)	8.643	11745	0.773	ng/ml
46) Aroclor 1260 (6)	9.052	6784	1.105	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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5-03

Data Path : K:\DATA\0C02025\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 15:01
 Operator : MJB / KAK
 Sample : A0B0681-02RE1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 15:34:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.626	4728	0.440 ng/ml
49) Aroclor 1262 (2)	7.949	5887	0.384 ng/ml
50) Aroclor 1262 (3)	8.171	7422	0.581 ng/ml
51) Aroclor 1262 (4)	8.339	22116	0.781 ng/ml
52) Aroclor 1262 (5)	8.643	11745	0.650 ng/ml
53) Aroclor 1262 (6)	9.052	6784	0.749 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.171	7422	1.155 ng/ml
56) Aroclor 1268 (2)	8.605	25213	0.849 ng/ml
57) Aroclor 1268 (3)	8.643	11745	0.470 ng/ml
58) Aroclor 1268 (4)	8.827	15050	0.653 ng/ml
59) Aroclor 1268 (5)	9.052	6784	0.737 ng/ml
60) Aroclor 1268 (6)	9.294	20004	0.308 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

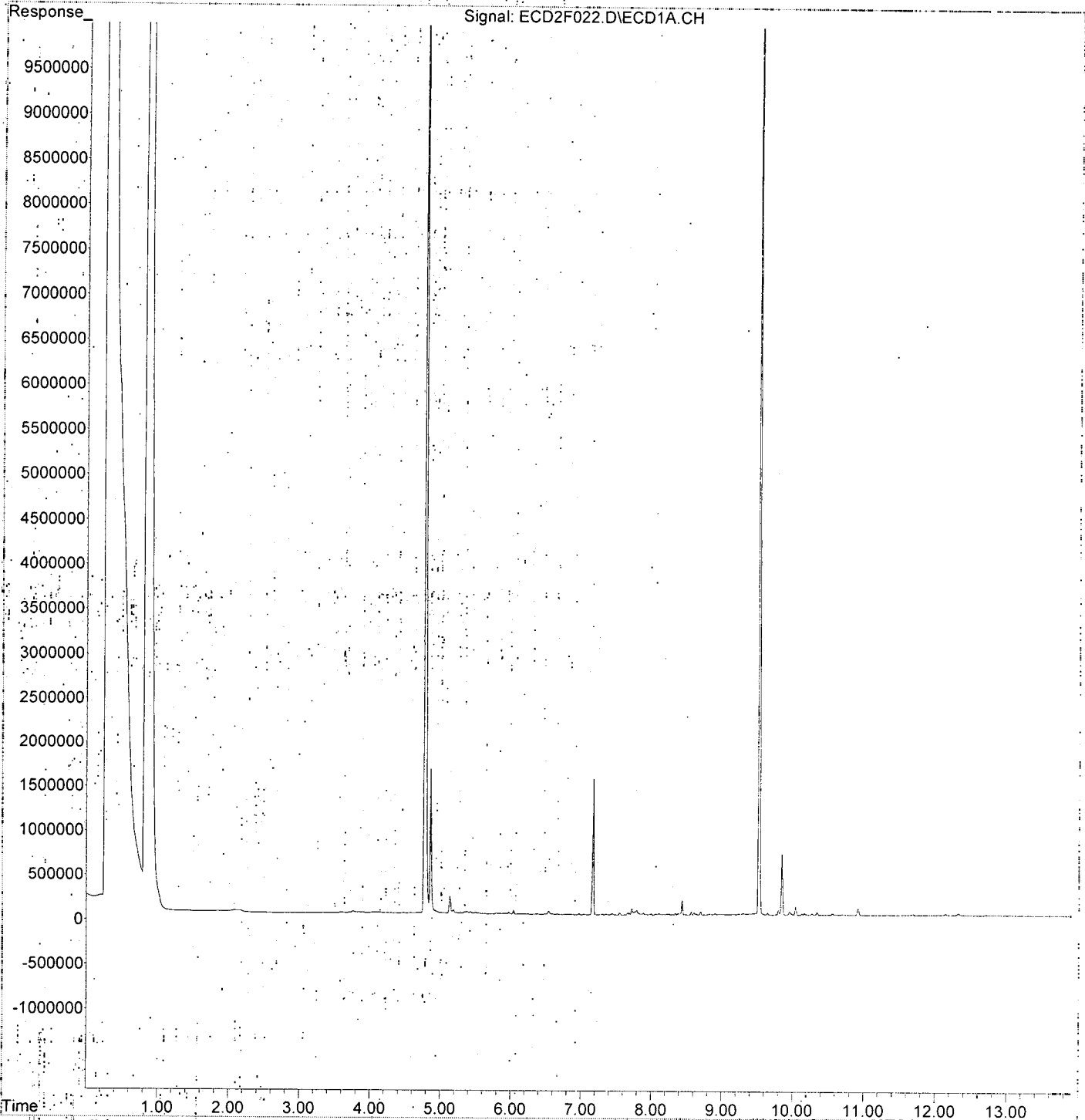
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 15:01
Operator : MJB / KAK
Sample : A0B0681-02RE1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 15:34:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation: 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02025\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 16:12
 Operator : MJB / KAK
 Sample : 0C02025-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 16:32:46 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 3/12/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.785	18795755	238.135	ng/ml
62) S DCBP (S)	9.526	39089767	287.763	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.693	2162721	469.366	ng/ml
3) Aroclor 1016 (2)	6.105	4554977	517.597	ng/ml
4) Aroclor 1016 (3)	6.188	2323255	485.352	ng/ml
5) Aroclor 1016 (4)	6.344	2165582	488.598	ng/ml
6) Aroclor 1016 (5)	6.566	2581164	504.678	ng/ml
7) Aroclor 1016 (6)	6.692	1784081	482.618	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.134	209087	153.367	ng/ml
10) Aroclor 1221 (2)	5.251	228222	247.740	ng/ml
11) Aroclor 1221 (3)	5.333	937013	330.270	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.333	937013	396.056	ng/ml
14) Aroclor 1232 (2)	6.105	4554977	1269.755	ng/ml
15) Aroclor 1232 (3)	6.188	2323255	1180.391	ng/ml
16) Aroclor 1232 (4)	6.344	2165582	1425.341	ng/ml
17) Aroclor 1232 (5)	6.566	2581164	1337.121	ng/ml
18) Aroclor 1232 (6)	6.692	1784081	1132.777	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.693	2162721	614.265	ng/ml
21) Aroclor 1242 (2)	6.105	4554977	634.932	ng/ml
22) Aroclor 1242 (3)	6.188	2323255	632.024	ng/ml
23) Aroclor 1242 (4)	6.344	2165582	661.447	ng/ml
24) Aroclor 1242 (5)	6.566	2581164	629.755	ng/ml
25) Aroclor 1242 (6)	6.692	1784081	523.507	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.105	4554977	1044.221	ng/ml
28) Aroclor 1248 (2)	6.344	2165582	379.591	ng/ml
29) Aroclor 1248 (3)	6.566	2581164	398.667	ng/ml
30) Aroclor 1248 (4)	6.860	471092	64.057	ng/ml
31) Aroclor 1248 (5)	6.892	1712968	227.016	ng/ml
32) Aroclor 1248 (6)	7.380	3864120	941.689	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.892	1712968	193.326	ng/ml
35) Aroclor 1254 (2)	7.003	1843473	166.346	ng/ml
36) Aroclor 1254 (3)	7.380	3864120	232.229	ng/ml
37) Aroclor 1254 (4)	7.540	540288	50.837	ng/ml
38) Aroclor 1254 (5)	7.919	4992766	431.003	ng/ml
39) Aroclor 1254 (6)	8.210	579888	155.434	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.493	4997565	491.306	ng/ml
42) Aroclor 1260 (2)	7.626	6457826	510.816	ng/ml
43) Aroclor 1260 (3)	8.181	4958971	521.830	ng/ml
44) Aroclor 1260 (4)	8.351	12253432	544.697	ng/ml
45) Aroclor 1260 (5)	8.649	7936016	522.159	ng/ml
46) Aroclor 1260 (6)	9.038	3171650	516.650	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0C02025\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 16:12
 Operator : MJB / KAK
 Sample : 0C02025-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 16:32:46 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

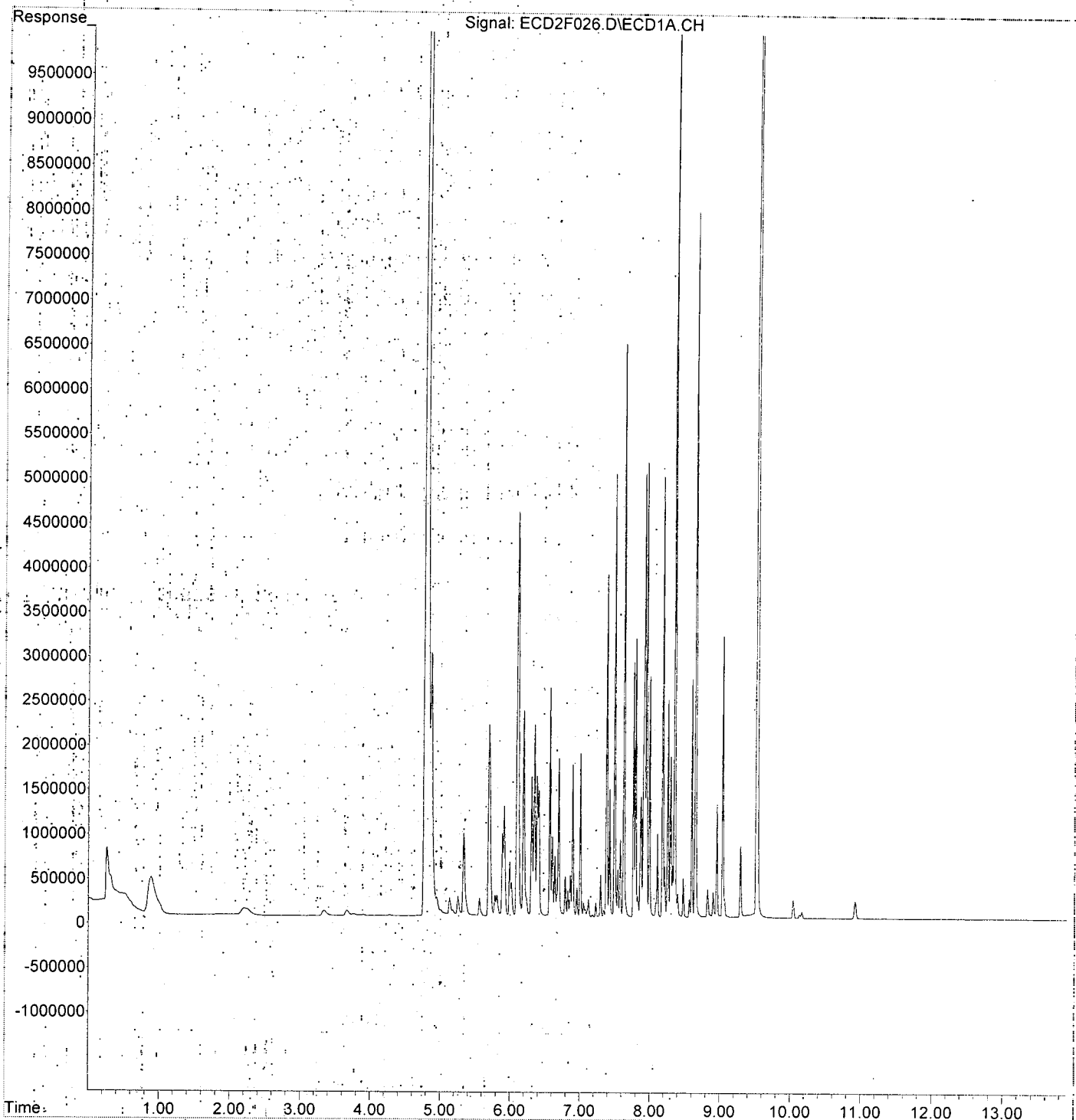
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.626	6457826	601.036	ng/ml
49) Aroclor 1262 (2)	7.950	5120962	334.240	ng/ml
50) Aroclor 1262 (3)	8.181	4958971	388.460	ng/ml
51) Aroclor 1262 (4)	8.351	12253432	432.935	ng/ml
52) Aroclor 1262 (5)	8.649	7936016	439.092	ng/ml
53) Aroclor 1262 (6)	9.038	3171650	350.274	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.181	4958971	771.680	ng/ml
56) Aroclor 1268 (2)	8.597	2687522	90.542	ng/ml
57) Aroclor 1268 (3)	8.649	7936016	317.717	ng/ml
58) Aroclor 1268 (4)	8.825	322658	13.990	ng/ml
59) Aroclor 1268 (5)	9.038	3171650	344.369	ng/ml
60) Aroclor 1268 (6)	9.293	815525	12.574	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 16:12
Operator : MJB / KAK
Sample : 0C02025-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 16:32:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02025\
 Data File : ECD2F027.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 16:29
 Operator : MJB / KAK
 Sample : 0C02025-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 16:50:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

3/2/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.783	6741547	85.413 ng/ml
62) S DCBP (S)	9.523	14301600	105.283 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.694	6287	1.364 ng/ml
3) Aroclor 1016 (2)	6.113	6893	0.783 ng/ml
4) Aroclor 1016 (3)	6.181	3895	0.814 ng/ml
5) Aroclor 1016 (4)	6.341	3565	0.804 ng/ml
6) Aroclor 1016 (5)	6.566	3746	0.733 ng/ml
7) Aroclor 1016 (6)	6.688	2282	0.617 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.134	17843	13.088 ng/ml
10) Aroclor 1221 (2)	5.248	15950	17.314 ng/ml
11) Aroclor 1221 (3)	5.335	13362	4.710 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.335	13362	5.648 ng/ml
14) Aroclor 1232 (2)	6.113	6893	1.922 ng/ml
15) Aroclor 1232 (3)	6.181	3895	1.979 ng/ml
16) Aroclor 1232 (4)	6.341	3565	2.346 ng/ml
17) Aroclor 1232 (5)	6.566	3746	1.941 ng/ml
18) Aroclor 1232 (6)	6.688	2282	1.449 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.694	6287	1.786 ng/ml
21) Aroclor 1242 (2)	6.113	6893	0.961 ng/ml
22) Aroclor 1242 (3)	6.181	3895	1.060 ng/ml
23) Aroclor 1242 (4)	6.341	3565	1.089 ng/ml
24) Aroclor 1242 (5)	6.566	3746	0.914 ng/ml
25) Aroclor 1242 (6)	6.688	2282	0.670 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.113	6893	1.580 ng/ml
28) Aroclor 1248 (2)	6.341	3565	0.625 ng/ml
29) Aroclor 1248 (3)	6.566	3746	0.579 ng/ml
30) Aroclor 1248 (4)	6.862	2548	0.346 ng/ml
31) Aroclor 1248 (5)	6.898	2684	0.356 ng/ml
32) Aroclor 1248 (6)	7.379	2082	0.507 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.898	2684	0.303 ng/ml
35) Aroclor 1254 (2)	7.007	1902	0.172 ng/ml
36) Aroclor 1254 (3)	7.379	2082	0.125 ng/ml
37) Aroclor 1254 (4)	7.541	3172	0.298 ng/ml
38) Aroclor 1254 (5)	7.927	4452	0.384 ng/ml
39) Aroclor 1254 (6)	8.210	3737	1.002 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.495	3257	0.320 ng/ml
42) Aroclor 1260 (2)	7.628	3684	0.291 ng/ml
43) Aroclor 1260 (3)	8.179	4319	0.455 ng/ml
44) Aroclor 1260 (4)	8.349	7386	0.328 ng/ml
45) Aroclor 1260 (5)	8.649	6989	0.460 ng/ml
46) Aroclor 1260 (6)	9.035	10022	1.633 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0C02025\
 Data File : ECD2F027.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 16:29
 Operator : MJB / KAK
 Sample : 0C02025-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 16:50:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

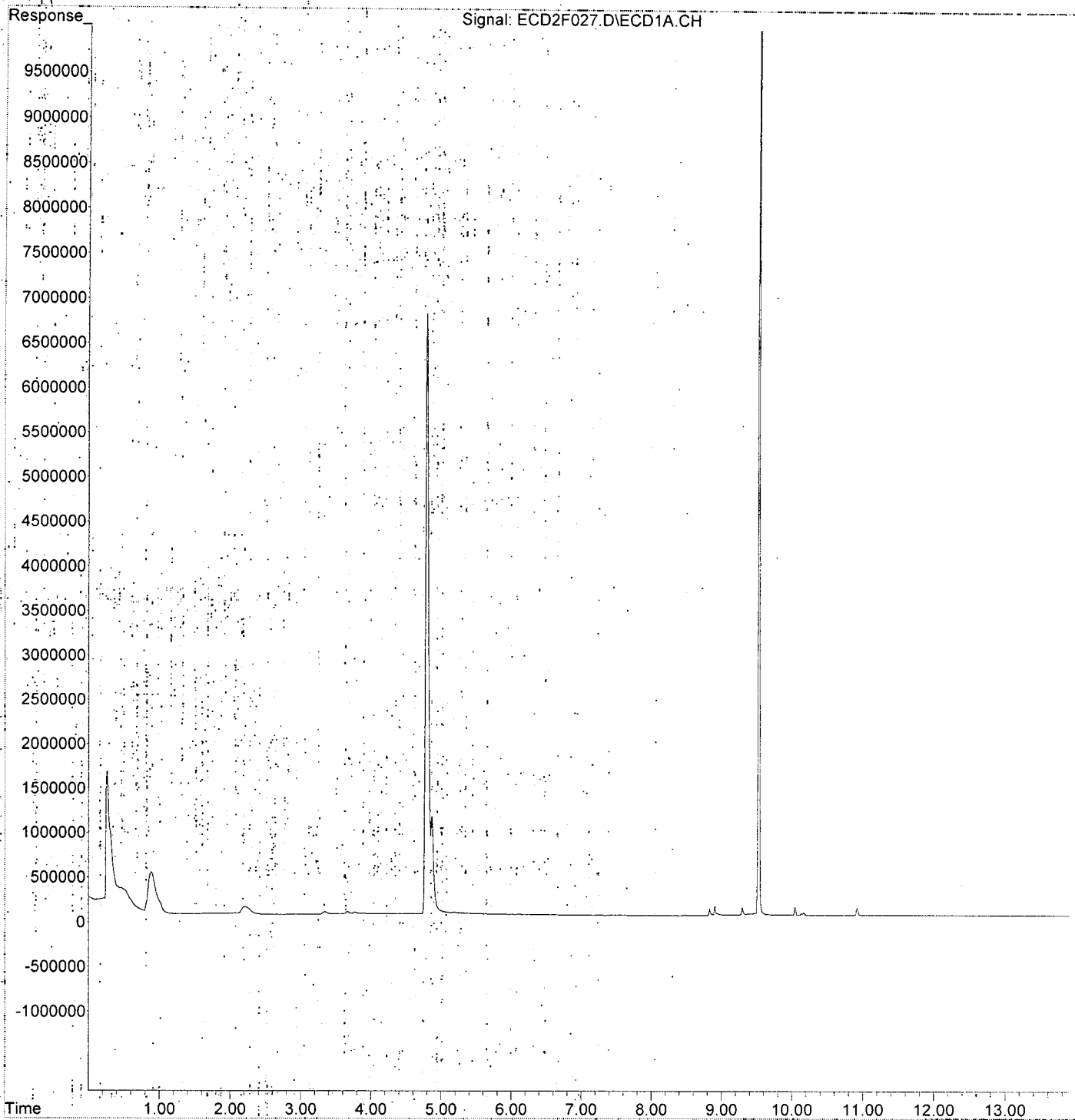
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.628	3684	0.343	ng/ml
49) Aroclor 1262 (2)	7.950	3146	0.205	ng/ml
50) Aroclor 1262 (3)	8.179	4319	0.338	ng/ml
51) Aroclor 1262 (4)	8.349	7386	0.261	ng/ml
52) Aroclor 1262 (5)	8.649	6989	0.387	ng/ml
53) Aroclor 1262 (6)	9.035	10022	1.107	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.179	4319	0.672	ng/ml
56) Aroclor 1268 (2)	8.597	5271	0.178	ng/ml
57) Aroclor 1268 (3)	8.649	6989	0.280	ng/ml
58) Aroclor 1268 (4)	8.829	83691	3.629	ng/ml
59) Aroclor 1268 (5)	9.035	10022	1.088	ng/ml
60) Aroclor 1268 (6)	9.294	92491	1.426	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 16:29
Operator : MJB / KAK
Sample : 0C02025-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 16:50:13 2020
Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0C02025\
 Data File: ECD2F032.D
 Signal(s): ECD1A.CH
 Acq On: 02 Mar 2020 18:00
 Operator: MJB / KAK
 Sample: 0C02025-CCV4
 Misc:
 ALS Vial: 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 19:00:02 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 3/3/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.781	17107305	216.743	ng/ml
62) S DCBP (S)	9.524	34185501	251.660	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.692	2022120	438.852	ng/ml
3) Aroclor 1016 (2)	6.104	4040950	459.186	ng/ml
4) Aroclor 1016 (3)	6.187	2118223	442.519	ng/ml
5) Aroclor 1016 (4)	6.343	1991742	449.377	ng/ml
6) Aroclor 1016 (5)	6.565	2230406	436.096	ng/ml
7) Aroclor 1016 (6)	6.692	1586077	429.056	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.132	191770	140.664	ng/ml
10) Aroclor 1221 (2)	5.250	204688	222.194	ng/ml
11) Aroclor 1221 (3)	5.332	894279	315.208	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.332	894279	377.994	ng/ml
14) Aroclor 1232 (2)	6.104	4040950	1126.464	ng/ml
15) Aroclor 1232 (3)	6.187	2118223	1076.220	ng/ml
16) Aroclor 1232 (4)	6.343	1991742	1310.923	ng/ml
17) Aroclor 1232 (5)	6.565	2230406	1155.418	ng/ml
18) Aroclor 1232 (6)	6.692	1586077	1007.058	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.692	2022120	574.331	ng/ml
21) Aroclor 1242 (2)	6.104	4040950	563.280	ng/ml
22) Aroclor 1242 (3)	6.187	2118223	576.247	ng/ml
23) Aroclor 1242 (4)	6.343	1991742	608.350	ng/ml
24) Aroclor 1242 (5)	6.565	2230406	544.177	ng/ml
25) Aroclor 1242 (6)	6.692	1586077	465.406	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.104	4040950	926.381	ng/ml
28) Aroclor 1248 (2)	6.343	1991742	349.120	ng/ml
29) Aroclor 1248 (3)	6.565	2230406	344.492	ng/ml
30) Aroclor 1248 (4)	6.859	431137	58.624	ng/ml
31) Aroclor 1248 (5)	6.893	1495319	198.171	ng/ml
32) Aroclor 1248 (6)	7.379	3526746	859.471	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.893	1495319	168.762	ng/ml
35) Aroclor 1254 (2)	7.003	1668930	150.596	ng/ml
36) Aroclor 1254 (3)	7.379	3526746	211.954	ng/ml
37) Aroclor 1254 (4)	7.540	507493	47.751	ng/ml
38) Aroclor 1254 (5)	7.918	4639059	400.469	ng/ml
39) Aroclor 1254 (6)	8.210	533728	143.061	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.491	4880342	479.782	ng/ml
42) Aroclor 1260 (2)	7.625	5920605	468.322	ng/ml
43) Aroclor 1260 (3)	8.180	4448318	468.094	ng/ml
44) Aroclor 1260 (4)	8.350	10699421	475.617	ng/ml
45) Aroclor 1260 (5)	8.649	7215372	474.743	ng/ml
46) Aroclor 1260 (6)	9.037	2755622	448.880	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F032.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 18:00
 Operator : MJB / KAK
 Sample : 0C02025-CCV4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 19:00:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

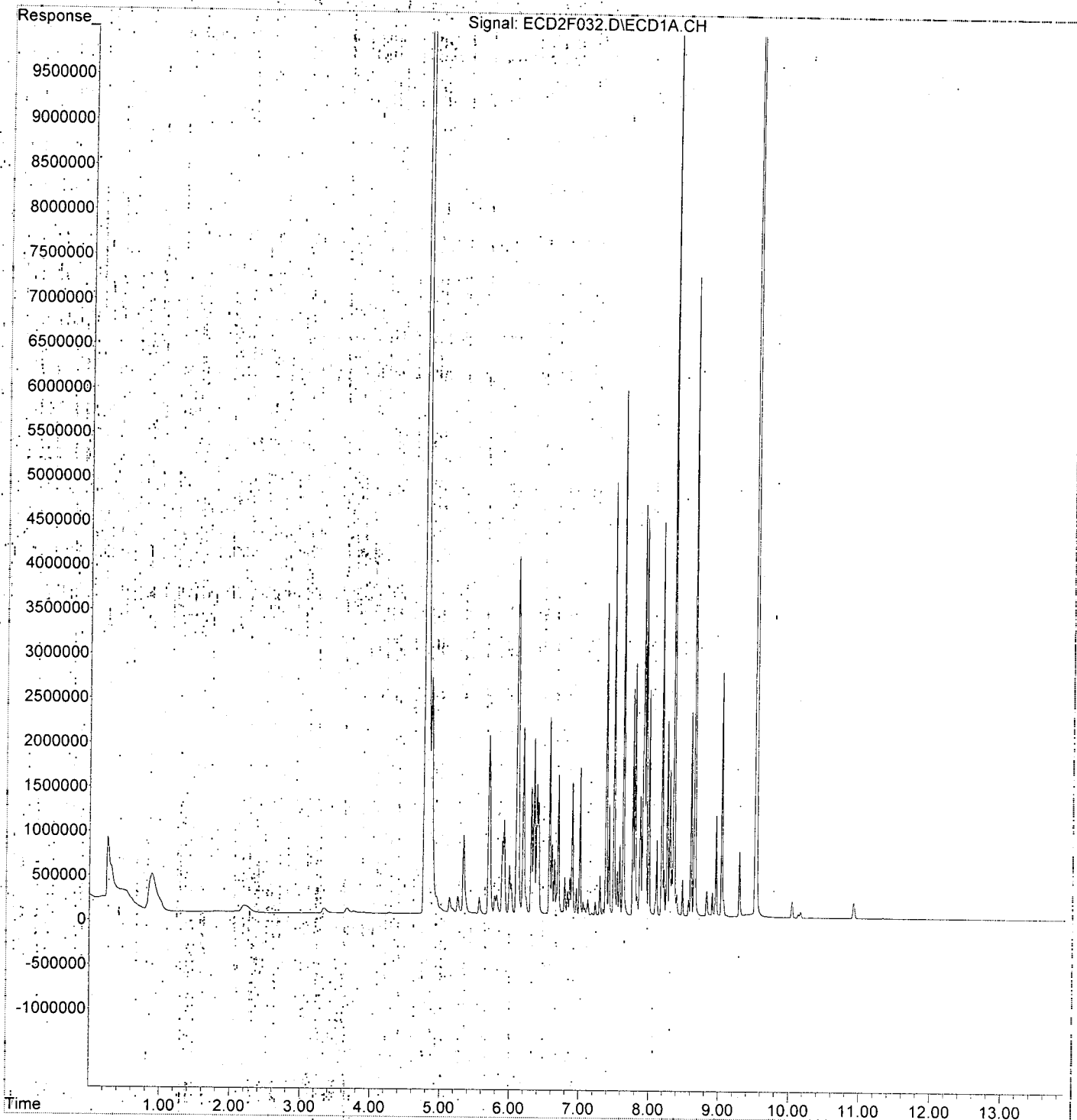
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.625	5920605	551.037 ng/ml
49)	Aroclor 1262 (2)	7.948	4484926	292.726 ng/ml
50)	Aroclor 1262 (3)	8.180	4448318	348.458 ng/ml
51)	Aroclor 1262 (4)	8.350	10699421	378.029 ng/ml
52)	Aroclor 1262 (5)	8.649	7215372	399.219 ng/ml
53)	Aroclor 1262 (6)	9.037	2755622	304.328 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.180	4448318	692.216 ng/ml
56)	Aroclor 1268 (2)	8.598	2317262	78.068 ng/ml
57)	Aroclor 1268 (3)	8.649	7215372	288.866 ng/ml
58)	Aroclor 1268 (4)	8.824	299039	12.966 ng/ml
59)	Aroclor 1268 (5)	9.037	2755622	299.198 ng/ml
60)	Aroclor 1268 (6)	9.292	744689	11.481 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F032.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 18:00
Operator : MJB / KAK
Sample : 0C02025-CCV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 19:00:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02025\
 Data File : ECD2F033.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 18:17
 Operator : MJB / KAK
 Sample : 0C02025-CCB4
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 19:00:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 Last Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 3/3/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.784	6730654	85.275 ng/ml
62) S DCBP (S)	9.525	13159817	96.877 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.694	5888	1.278 ng/ml
3) Aroclor 1016 (2)	6.093	4057	0.461 ng/ml
4) Aroclor 1016 (3)	6.181	3630	0.758 ng/ml
5) Aroclor 1016 (4)	6.344	3554	0.802 ng/ml
6) Aroclor 1016 (5)	6.565	3496	0.684 ng/ml
7) Aroclor 1016 (6)	6.695	2717	0.735 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.129	17964	13.176 ng/ml
10) Aroclor 1221 (2)	5.253	15454	16.776 ng/ml
11) Aroclor 1221 (3)	5.331	13601	4.794 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.331	13601	5.749 ng/ml
14) Aroclor 1232 (2)	6.093	4057	1.131 ng/ml
15) Aroclor 1232 (3)	6.181	3630	1.844 ng/ml
16) Aroclor 1232 (4)	6.344	3554	2.339 ng/ml
17) Aroclor 1232 (5)	6.565	3496	1.811 ng/ml
18) Aroclor 1232 (6)	6.688	2521	1.600 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.694	5888	1.672 ng/ml
21) Aroclor 1242 (2)	6.093	4057	0.566 ng/ml
22) Aroclor 1242 (3)	6.181	3630	0.987 ng/ml
23) Aroclor 1242 (4)	6.344	3554	1.085 ng/ml
24) Aroclor 1242 (5)	6.565	3496	0.853 ng/ml
25) Aroclor 1242 (6)	6.695	2717	0.797 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.093	4057	0.930 ng/ml
28) Aroclor 1248 (2)	6.344	3554	0.623 ng/ml
29) Aroclor 1248 (3)	6.565	3496	0.540 ng/ml
30) Aroclor 1248 (4)	6.863	2386	0.324 ng/ml
31) Aroclor 1248 (5)	6.899	2390	0.317 ng/ml
32) Aroclor 1248 (6)	7.380	2045	0.498 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.899	2390	0.270 ng/ml
35) Aroclor 1254 (2)	7.007	1588	0.143 ng/ml
36) Aroclor 1254 (3)	7.380	2045	0.123 ng/ml
37) Aroclor 1254 (4)	7.545	2966	0.279 ng/ml
38) Aroclor 1254 (5)	7.928	5025	0.434 ng/ml
39) Aroclor 1254 (6)	8.212	3208	0.860 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.492	3032	0.298 ng/ml
42) Aroclor 1260 (2)	7.627	3400	0.269 ng/ml
43) Aroclor 1260 (3)	8.182	3727	0.392 ng/ml
44) Aroclor 1260 (4)	8.349	7231	0.321 ng/ml
45) Aroclor 1260 (5)	8.651	5796	0.381 ng/ml
46) Aroclor 1260 (6)	9.037	8516	1.387 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0C02025\
 Data File : ECD2F033.D
 Signal(s) : ECD1A.CH
 Acq On : 02 Mar 2020 18:17
 Operator : MJB / KAK
 Sample : 0C02025-CCB4
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 02 19:00:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

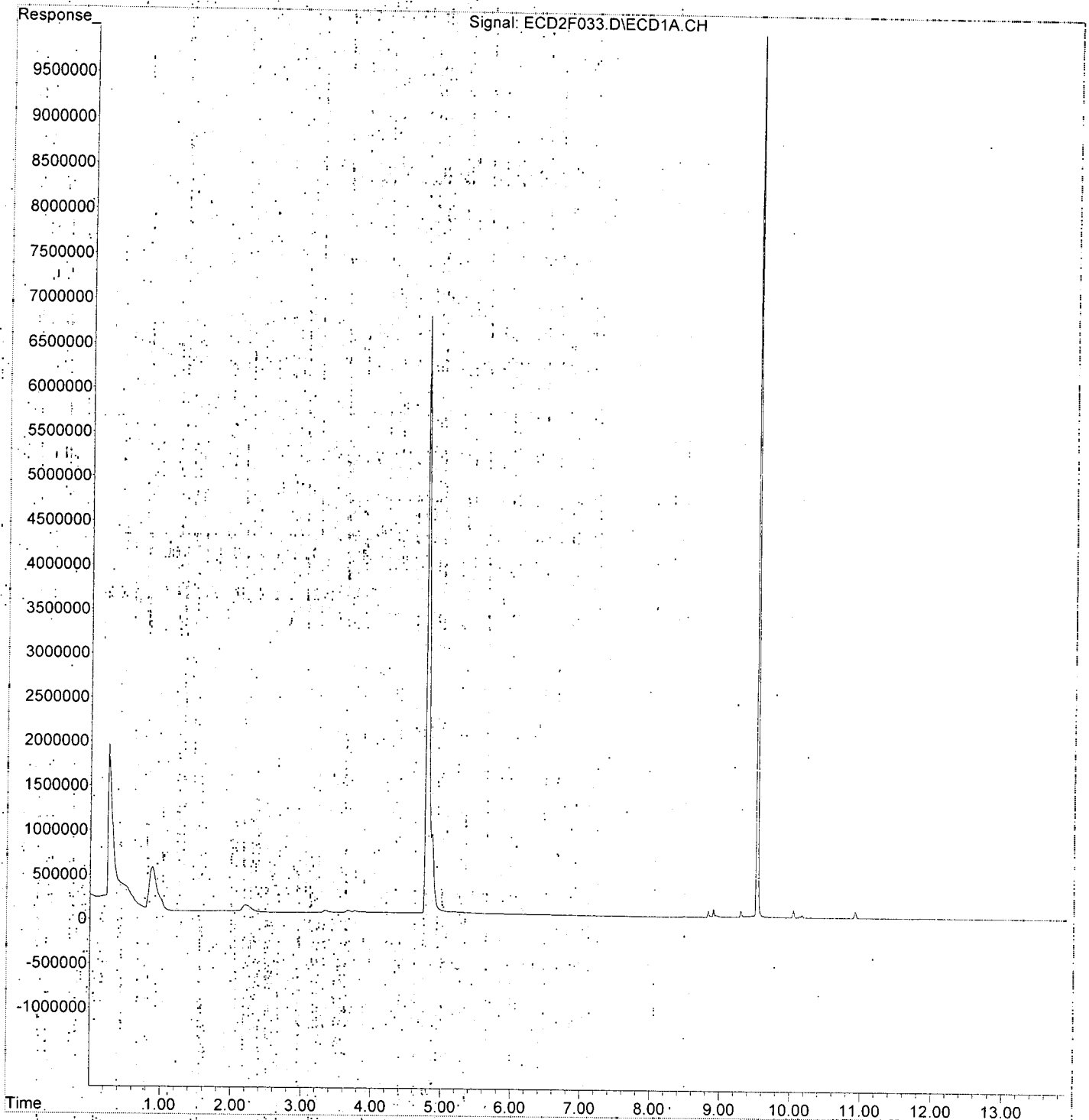
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.627	3400	0.316 ng/ml
49) Aroclor 1262 (2)	7.947	2960	0.193 ng/ml
50) Aroclor 1262 (3)	8.182	3727	0.292 ng/ml
51) Aroclor 1262 (4)	8.349	7231	0.255 ng/ml
52) Aroclor 1262 (5)	8.651	5796	0.321 ng/ml
53) Aroclor 1262 (6)	9.037	8516	0.940 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.169	3350	0.521 ng/ml
56) Aroclor 1268 (2)	8.600	4697	0.158 ng/ml
57) Aroclor 1268 (3)	8.651	5796	0.232 ng/ml
58) Aroclor 1268 (4)	8.829	74537	3.232 ng/ml
59) Aroclor 1268 (5)	9.037	8516	0.925 ng/ml
60) Aroclor 1268 (6)	9.295	76743	1.183 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02025\
Data File : ECD2F033.D
Signal(s) : ECD1A.CH
Acq On : 02 Mar 2020 18:17
Operator : MJB / KAK
Sample : 0C02025-CCB4
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 02 19:00:24 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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

Sequence 0C02026 (A0B0681-03RE1,04RE1,05RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0C02026**

Instrument: **DUALECD2R**

Date: **03/02/20 07:23**

Calibration: **A0A1501**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C02026-CCV1	Sediment	QC	QC				
2	0C02026-CCB1	Sediment	QC	QC				A20A394
3	A0B0679-11RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		A20B383
4	0C02026-IBL1	Sediment	QC	QC				
5	A0B0679-14RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		
6	0C02026-IBL2	Sediment	QC	QC				
7	A0B0679-04RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020809		
8	0C02026-IBL3	Sediment	QC	QC				
9	0C02026-CCV2	Sediment	QC	QC				A20A394
10	0C02026-CCB2	Sediment	QC	QC				A20B383
11	A0B0681-03RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
12	0C02026-IBL4	Sediment	QC	QC				
13	0020917-MS1	Sediment	QC	QC		0020917		
14	0C02026-IBL5	Sediment	QC	QC				
15	0020917-MSD1	Sediment	QC	QC		0020917		
16	0C02026-IBL6	Sediment	QC	QC				
17	A0B0681-04RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
18	0C02026-IBL7	Sediment	QC	QC				
19	0C02026-CCV3	Sediment	QC	QC				A20A394
20	0C02026-CCB3	Sediment	QC	QC				A20B383
21	A0B0681-05RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	02/28/20	0020917		
22	0C02026-IBL8	Sediment	QC	QC				
23	0C02026-CCV4	Sediment	QC	QC				A20A394
24	0C02026-CCB4	Sediment	QC	QC				A20B383

Data Entered By: *[Signature]* 3/2/20

Comments:

Data Reviewed By: *[Signature]* 3/3/20

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

OC02026-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	429.77
1016 (2)	399.05
1016 (3)	364.71
1016 (4)	442.27
1016 (5)	435.56
1016 (6)	408.82
Average:	413.36

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	477.19
1260 (2)	487.20
1260 (3)	487.93
1260 (4)	508.65
1260 (5)	497.37
1260 (6)	518.44
Average:	496.13

OC02026-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	453.84
1016 (2)	414.72
1016 (3)	411.84
1016 (4)	471.43
1016 (5)	467.48
1016 (6)	464.46
Average:	447.30

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	503.22
1260 (2)	505.58
1260 (3)	510.13
1260 (4)	504.46
1260 (5)	523.04
1260 (6)	537.38
Average:	513.97

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.

0020917-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	687.13
1016 (2)	741.71
1016 (3)	639.27
1016 (4)	843.65
1016 (5)	814.53
1016 (6)	733.03
Average:	743.22

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,001.20
1260 (2)	1,080.26
1260 (3)	1,006.05
1260 (4)	1,106.26
1260 (5)	1,059.55
1260 (6)	1,091.43
Average:	1,057.46

0020917-MSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	735.60
1016 (2)	740.94
1016 (3)	660.96
1016 (4)	877.42
1016 (5)	864.68
1016 (6)	774.81
Average:	775.74

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	980.01
1260 (2)	1,068.87
1260 (3)	1,032.89
1260 (4)	1,155.56
1260 (5)	1,074.81
1260 (6)	1,078.56
Average:	1,065.12

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.

0C02026-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	481.19
1016 (2)	440.26
1016 (3)	421.96
1016 (4)	525.34
1016 (5)	510.21
1016 (6)	515.58
Average:	482.42

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	551.58
1260 (2)	565.01
1260 (3)	583.44
1260 (4)	579.85
1260 (5)	621.52
1260 (6)	554.92
Average:	576.05

0C02026-CCV4

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	452.65
1016 (2)	424.61
1016 (3)	399.09
1016 (4)	481.47
1016 (5)	477.06
1016 (6)	475.74
Average:	451.77

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	518.35
1260 (2)	545.73
1260 (3)	527.23
1260 (4)	561.94
1260 (5)	563.22
1260 (6)	570.30
Average:	547.80

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 7:54
 Operator : MJB / KAK
 Sample : 0C02026-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 08:29:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.626	49591296	219.794	ng/ml
62) S DCBP (S)	10.534	29311337	263.535	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.295	2656800	429.765	ng/ml
3) Aroclor 1016 (2)	6.786	4565678	399.051	ng/ml
4) Aroclor 1016 (3)	6.914	1953547	364.705	ng/ml
5) Aroclor 1016 (4)	6.998	2185174	442.275	ng/ml
6) Aroclor 1016 (5)	7.043	2415389	435.557	ng/ml
7) Aroclor 1016 (6)	7.169	2335408	408.819	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.800	206415	118.798	ng/ml
10) Aroclor 1221 (2)	5.874	361743	210.686	ng/ml
11) Aroclor 1221 (3)	5.960	1570562	275.199	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.960	1570562	343.668	ng/ml
14) Aroclor 1232 (2)	6.295	2656800	1020.773	ng/ml
15) Aroclor 1232 (3)	6.786	4565678	933.302	ng/ml
16) Aroclor 1232 (4)	6.998	2185174	1291.598	ng/ml
17) Aroclor 1232 (5)	7.043	2415389	1160.773	ng/ml
18) Aroclor 1232 (6)	7.169	2335408	1076.386	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.295	2656800	584.383	ng/ml
21) Aroclor 1242 (2)	6.786	4565678	517.507	ng/ml
22) Aroclor 1242 (3)	6.914	1953547	510.042	ng/ml
23) Aroclor 1242 (4)	6.998	2185174	661.454	ng/ml
24) Aroclor 1242 (5)	7.043	2415389	604.765	ng/ml
25) Aroclor 1242 (6)	7.169	2335408	559.941	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.759	3842964	744.468	ng/ml
28) Aroclor 1248 (2)	6.998	2185174	343.616	ng/ml
29) Aroclor 1248 (3)	7.043	2415389	406.921	ng/ml
30) Aroclor 1248 (4)	7.169	2335408	320.116	ng/ml
31) Aroclor 1248 (5)	7.534	571143	64.161	ng/ml
32) Aroclor 1248 (6)	7.691	2046945	251.430	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.510	1712239	202.062	ng/ml
35) Aroclor 1254 (2)	7.691	2046945	147.158	ng/ml
36) Aroclor 1254 (3)	8.002	1155506	76.149	ng/ml
37) Aroclor 1254 (4)	8.241	834127	76.410	ng/ml
38) Aroclor 1254 (5)	8.575	6470482	575.222	ng/ml
39) Aroclor 1254 (6)	8.821	4698001	1331.942	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.137	5023755	477.187	ng/ml
42) Aroclor 1260 (2)	8.343	6217887	487.201	ng/ml
43) Aroclor 1260 (3)	8.575	6470482	487.927	ng/ml
44) Aroclor 1260 (4)	9.058	10759162	508.648	ng/ml
45) Aroclor 1260 (5)	9.316	6085201	497.371	ng/ml
46) Aroclor 1260 (6)	9.878	2529989	518.445	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OC02026\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 7:54
 Operator : MJB / KAK
 Sample : OC02026-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 08:29:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.343	6217887	588.164 ng/ml
49) Aroclor 1262 (2)	8.643	4607899	301.613 ng/ml
50) Aroclor 1262 (3)	8.821	4698001	366.911 ng/ml
51) Aroclor 1262 (4)	9.058	10759162	390.892 ng/ml
52) Aroclor 1262 (5)	9.316	6085201	370.607 ng/ml
53) Aroclor 1262 (6)	9.878	2529989	351.361 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.860	348890	55.982 ng/ml
56) Aroclor 1268 (2)	9.316	6085201	219.156 ng/ml
57) Aroclor 1268 (3)	9.378	2415667	107.285 ng/ml
58) Aroclor 1268 (4)	9.593	216001	11.219 ng/ml
59) Aroclor 1268 (5)	9.878	2529989	323.396 ng/ml
60) Aroclor 1268 (6)	10.225	714567	14.118 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

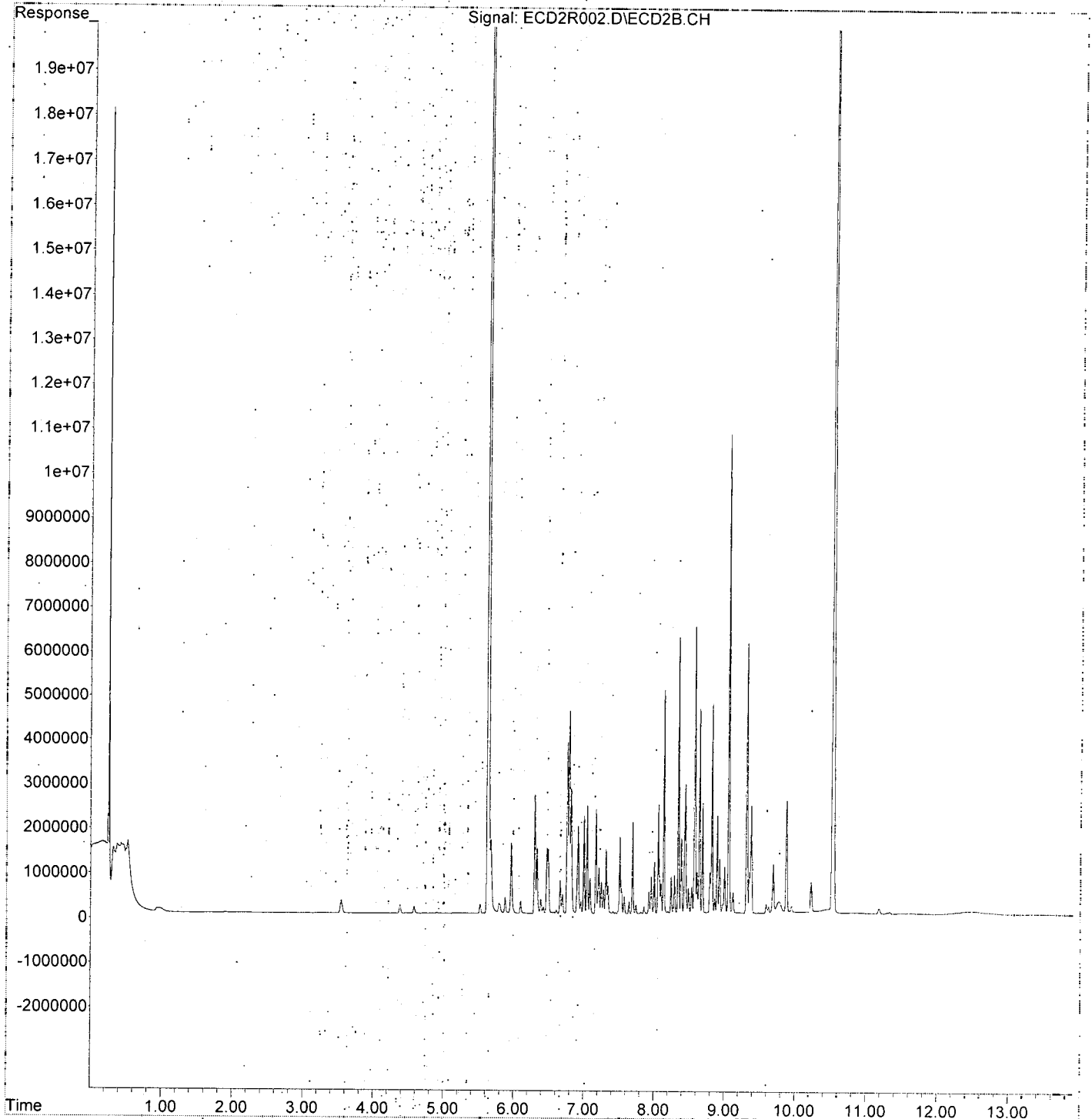
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0C02026\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 7:54
Operator : MJB / KAK
Sample : 0C02026-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 08:29:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02026\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 8:12
 Operator : MJB / KAK
 Sample : 0C02026-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 12:02:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/2/20
 Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds:			
1) S TCMX (S)	5.624	18310399	81.154 ng/ml
62) S DCBP (S)	10.533	11106670	99.859 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.296	982	0.159 ng/ml
3) Aroclor 1016 (2)	6.798	2477	0.216 ng/ml
4) Aroclor 1016 (3)	6.910	750	0.140 ng/ml
5) Aroclor 1016 (4)	7.002	932	0.189 ng/ml
6) Aroclor 1016 (5)	7.050	886	0.160 ng/ml
7) Aroclor 1016 (6)	7.172	1385	0.242 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.837	8607	4.953 ng/ml
10) Aroclor 1221 (2)	5.869	7314	4.260 ng/ml
11) Aroclor 1221 (3)	5.944	29877	5.235 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.944	29877	6.538 ng/ml
14) Aroclor 1232 (2)	6.296	982	0.377 ng/ml
15) Aroclor 1232 (3)	6.798	2477	0.506 ng/ml
16) Aroclor 1232 (4)	7.002	932	0.551 ng/ml
17) Aroclor 1232 (5)	7.050	886	0.426 ng/ml
18) Aroclor 1232 (6)	7.172	1385	0.638 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.296	982	0.216 ng/ml
21) Aroclor 1242 (2)	6.798	2477	0.281 ng/ml
22) Aroclor 1242 (3)	6.910	750	0.196 ng/ml
23) Aroclor 1242 (4)	7.002	932	0.282 ng/ml
24) Aroclor 1242 (5)	7.050	886	0.222 ng/ml
25) Aroclor 1242 (6)	7.172	1385	0.332 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.770	2373	0.460 ng/ml
28) Aroclor 1248 (2)	7.002	932	0.147 ng/ml
29) Aroclor 1248 (3)	7.050	886	0.149 ng/ml
30) Aroclor 1248 (4)	7.172	1385	0.190 ng/ml
31) Aroclor 1248 (5)	7.540	638	0.072 ng/ml
32) Aroclor 1248 (6)	7.692	3297	0.405 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.516	511	0.060 ng/ml
35) Aroclor 1254 (2)	7.692	3297	0.237 ng/ml
36) Aroclor 1254 (3)	8.002	8426	0.555 ng/ml
37) Aroclor 1254 (4)	8.240	3562	0.326 ng/ml
38) Aroclor 1254 (5)	8.576	3582	0.318 ng/ml
39) Aroclor 1254 (6)	8.820	3589	1.018 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.137	7686	0.730 ng/ml
42) Aroclor 1260 (2)	8.361	5848	0.458 ng/ml
43) Aroclor 1260 (3)	8.576	3582	0.270 ng/ml
44) Aroclor 1260 (4)	9.059	4025	0.190 ng/ml
45) Aroclor 1260 (5)	9.318	6007	0.491 ng/ml
46) Aroclor 1260 (6)	9.888	20183	4.136 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0C02026\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 8:12
 Operator : MJB / KAK
 Sample : 0C02026-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 12:02:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

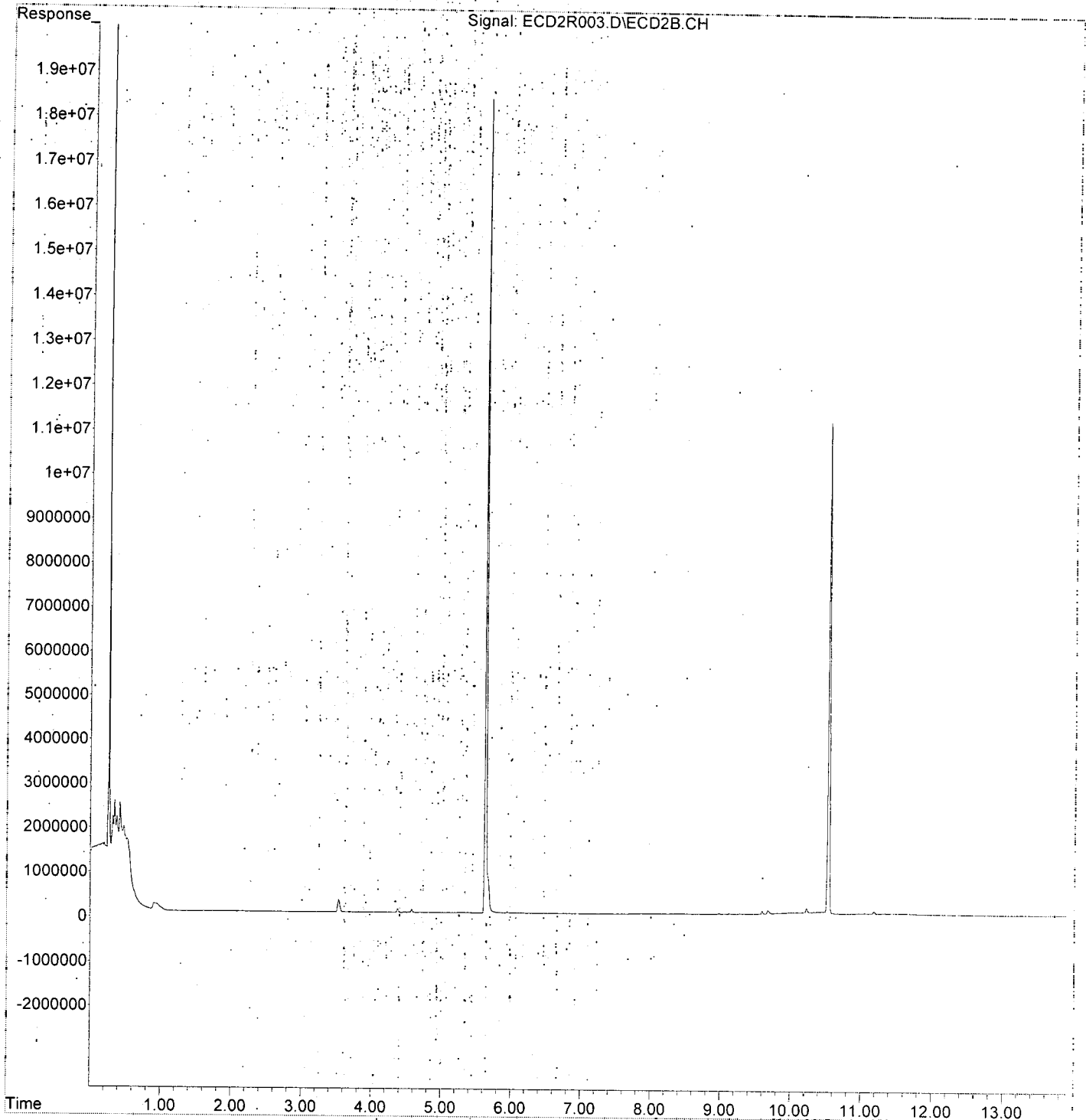
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.340	7479	0.707 ng/ml
49) Aroclor 1262 (2)	8.647	2144	0.140 ng/ml
50) Aroclor 1262 (3)	8.820	3589	0.280 ng/ml
51) Aroclor 1262 (4)	9.059	4025	0.146 ng/ml
52) Aroclor 1262 (5)	9.318	6007	0.366 ng/ml
53) Aroclor 1262 (6)	9.888	20183	2.803 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.861	2601	0.417 ng/ml
56) Aroclor 1268 (2)	9.318	6007	0.216 ng/ml
57) Aroclor 1268 (3)	9.383	4793	0.213 ng/ml
58) Aroclor 1268 (4)	9.594	72003	3.740 ng/ml
59) Aroclor 1268 (5)	9.888	20183	2.580 ng/ml
60) Aroclor 1268 (6)	10.226	124541	2.461 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02026\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 8:12
Operator : MJB / KAK
Sample : 0C02026-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 12:02:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02026\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 10:15
 Operator : MJB / KAK
 Sample : 0C02026-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 12:03:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 3/2/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.625	53422391	236.774	ng/ml
62) S DCBP (S)	10.535	29484518	265.092	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.296	2805633	453.840	ng/ml
3) Aroclor 1016 (2)	6.786	4744936	414.718	ng/ml
4) Aroclor 1016 (3)	6.914	2206024	411.840	ng/ml
5) Aroclor 1016 (4)	6.999	2329227	471.431	ng/ml
6) Aroclor 1016 (5)	7.044	2592418	467.480	ng/ml
7) Aroclor 1016 (6)	7.170	2653269	464.461	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.799	220373	126.832	ng/ml
10) Aroclor 1221 (2)	5.874	366879	213.677	ng/ml
11) Aroclor 1221 (3)	5.961	1674936	293.487	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.961	1674936	366.507	ng/ml
14) Aroclor 1232 (2)	6.296	2805633	1077.957	ng/ml
15) Aroclor 1232 (3)	6.786	4744936	969.946	ng/ml
16) Aroclor 1232 (4)	6.999	2329227	1376.744	ng/ml
17) Aroclor 1232 (5)	7.044	2592418	1245.849	ng/ml
18) Aroclor 1232 (6)	7.170	2653269	1222.888	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.296	2805633	617.120	ng/ml
21) Aroclor 1242 (2)	6.786	4744936	537.825	ng/ml
22) Aroclor 1242 (3)	6.914	2206024	575.960	ng/ml
23) Aroclor 1242 (4)	6.999	2329227	705.059	ng/ml
24) Aroclor 1242 (5)	7.044	2592418	649.090	ng/ml
25) Aroclor 1242 (6)	7.170	2653269	636.152	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.759	4185205	810.767	ng/ml
28) Aroclor 1248 (2)	6.999	2329227	366.268	ng/ml
29) Aroclor 1248 (3)	7.044	2592418	436.745	ng/ml
30) Aroclor 1248 (4)	7.170	2653269	363.685	ng/ml
31) Aroclor 1248 (5)	7.534	611828	68.731	ng/ml
32) Aroclor 1248 (6)	7.692	2209345	271.378	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.511	1800565	212.485	ng/ml
35) Aroclor 1254 (2)	7.692	2209345	158.833	ng/ml
36) Aroclor 1254 (3)	8.003	1268483	83.594	ng/ml
37) Aroclor 1254 (4)	8.242	826385	75.701	ng/ml
38) Aroclor 1254 (5)	8.576	6764946	601.400	ng/ml
39) Aroclor 1254 (6)	8.821	4803776	1361.930	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.137	5297797	503.217	ng/ml
42) Aroclor 1260 (2)	8.344	6452501	505.584	ng/ml
43) Aroclor 1260 (3)	8.576	6764946	510.132	ng/ml
44) Aroclor 1260 (4)	9.058	10670519	504.457	ng/ml
45) Aroclor 1260 (5)	9.316	6399194	523.035	ng/ml
46) Aroclor 1260 (6)	9.879	2622392	537.380	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 10:15
 Operator : MJB / KAK
 Sample : 0C02026-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 12:03:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.344	6452501	610.356 ng/ml
49) Aroclor 1262 (2)	8.644	4809815	314.830 ng/ml
50) Aroclor 1262 (3)	8.821	4803776	375.172 ng/ml
51) Aroclor 1262 (4)	9.058	10670519	387.672 ng/ml
52) Aroclor 1262 (5)	9.316	6399194	389.730 ng/ml
53) Aroclor 1262 (6)	9.879	2622392	364.194 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.862	354432	56.872 ng/ml
56) Aroclor 1268 (2)	9.316	6399194	230.464 ng/ml
57) Aroclor 1268 (3)	9.379	2543157	112.947 ng/ml
58) Aroclor 1268 (4)	9.594	228522	11.869 ng/ml
59) Aroclor 1268 (5)	9.879	2622392	335.208 ng/ml
60) Aroclor 1268 (6)	10.227	699333	13.817 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

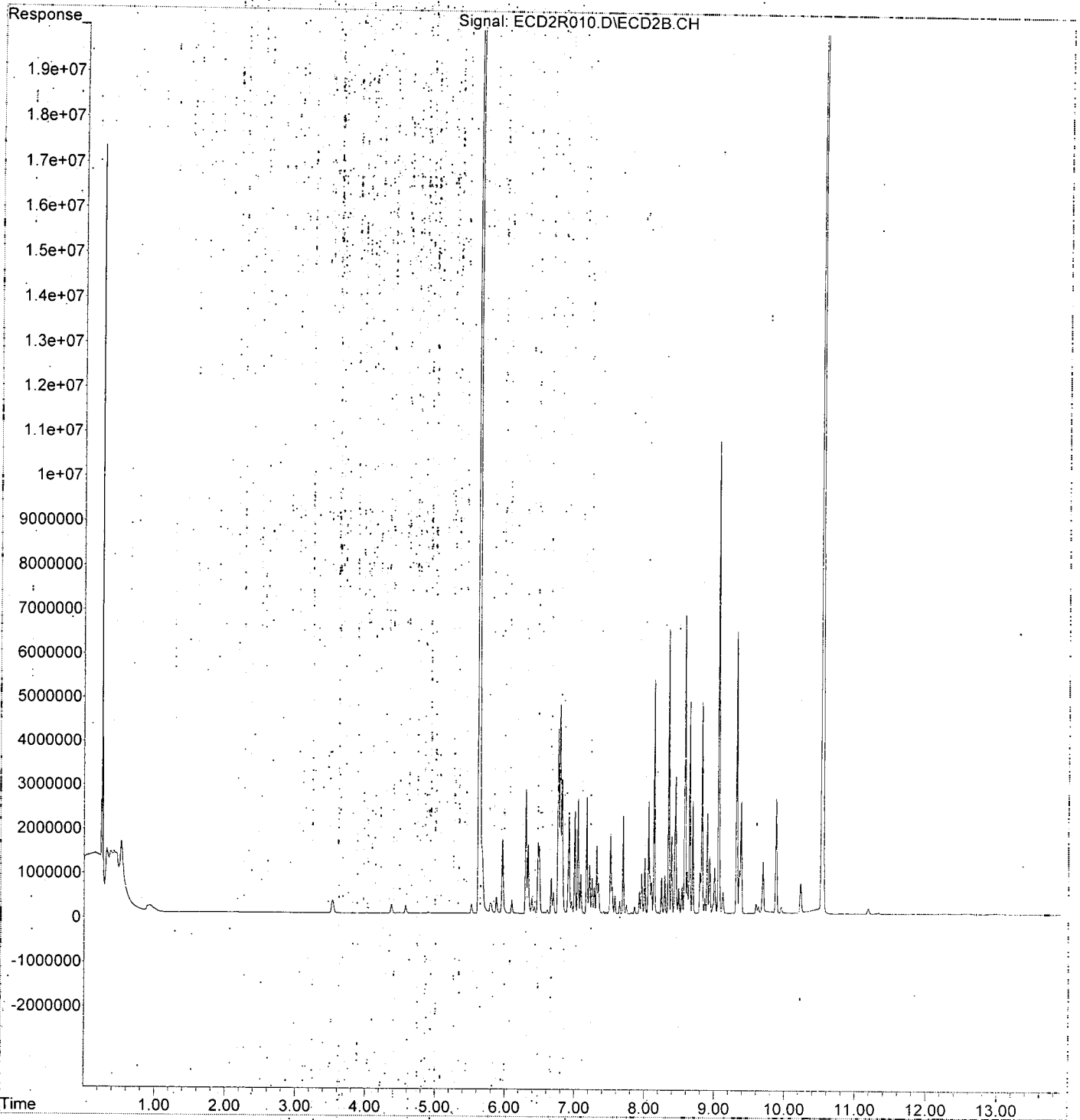
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 10:15
Operator : MJB / KAK
Sample : 0C02026-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 12:03:51 2020
Quant Method.: L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 10:32
 Operator : MJB / KAK
 Sample : 0C02026-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 12:04:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 3/2/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.624	20130087	89.219 ng/ml
62) S DCBP (S)	10.532	11733290	105.493 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.302	1252	0.202 ng/ml
3) Aroclor 1016 (2)	6.799	2073	0.181 ng/ml
4) Aroclor 1016 (3)	6.924	1284	0.240 ng/ml
5) Aroclor 1016 (4)	7.004	1029	0.208 ng/ml
6) Aroclor 1016 (5)	7.050	1368	0.247 ng/ml
7) Aroclor 1016 (6)	7.175	1170	0.205 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.868f	8258	4.753 ng/ml
10) Aroclor 1221 (2)	5.874	8011	4.666 ng/ml
11) Aroclor 1221 (3)	5.944	31881	5.586 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.944	31881	6.976 ng/ml
14) Aroclor 1232 (2)	6.295	1253	0.481 ng/ml
15) Aroclor 1232 (3)	6.799	2073	0.424 ng/ml
16) Aroclor 1232 (4)	7.004	1029	0.608 ng/ml
17) Aroclor 1232 (5)	7.050	1368	0.657 ng/ml
18) Aroclor 1232 (6)	7.175	1170	0.539 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.302	1252	0.275 ng/ml
21) Aroclor 1242 (2)	6.799	2073	0.235 ng/ml
22) Aroclor 1242 (3)	6.924	1284	0.335 ng/ml
23) Aroclor 1242 (4)	7.004	1029	0.311 ng/ml
24) Aroclor 1242 (5)	7.050	1368	0.343 ng/ml
25) Aroclor 1242 (6)	7.175	1170	0.281 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.767	1769	0.343 ng/ml
28) Aroclor 1248 (2)	7.004	1029	0.162 ng/ml
29) Aroclor 1248 (3)	7.050	1368	0.230 ng/ml
30) Aroclor 1248 (4)	7.175	1170	0.160 ng/ml
31) Aroclor 1248 (5)	7.538	1570	0.176 ng/ml
32) Aroclor 1248 (6)	7.692	2026	0.249 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.518	1565	0.185 ng/ml
35) Aroclor 1254 (2)	7.692	2026	0.146 ng/ml
36) Aroclor 1254 (3)	8.007	6690	0.441 ng/ml
37) Aroclor 1254 (4)	8.245	4404	0.403 ng/ml
38) Aroclor 1254 (5)	8.576	8093	0.719 ng/ml
39) Aroclor 1254 (6)	8.814	8978	2.545 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.141	5697	0.541 ng/ml
42) Aroclor 1260 (2)	8.343	10040	0.787 ng/ml
43) Aroclor 1260 (3)	8.576	8093	0.610 ng/ml
44) Aroclor 1260 (4)	9.060	12419	0.587 ng/ml
45) Aroclor 1260 (5)	9.317	12846	1.050 ng/ml
46) Aroclor 1260 (6)	9.940f	21808	4.469 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 10:32
 Operator : MJB / KAK
 Sample : 0C02026-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 12:04:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.343	10040	0.950 ng/ml
49) Aroclor 1262 (2)	8.643	6000	0.393 ng/ml
50) Aroclor 1262 (3)	8.822	9113	0.712 ng/ml
51) Aroclor 1262 (4)	9.060	12419	0.451 ng/ml
52) Aroclor 1262 (5)	9.317	12846	0.782 ng/ml
53) Aroclor 1262 (6)	9.940f	21808	3.029 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.864	7863	1.262 ng/ml
56) Aroclor 1268 (2)	9.317	12846	0.463 ng/ml
57) Aroclor 1268 (3)	9.378	13089	0.581 ng/ml
58) Aroclor 1268 (4)	9.593	95807	4.976 ng/ml
59) Aroclor 1268 (5)	9.940f	21808	2.788 ng/ml
60) Aroclor 1268 (6)	10.226	136465	2.696 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

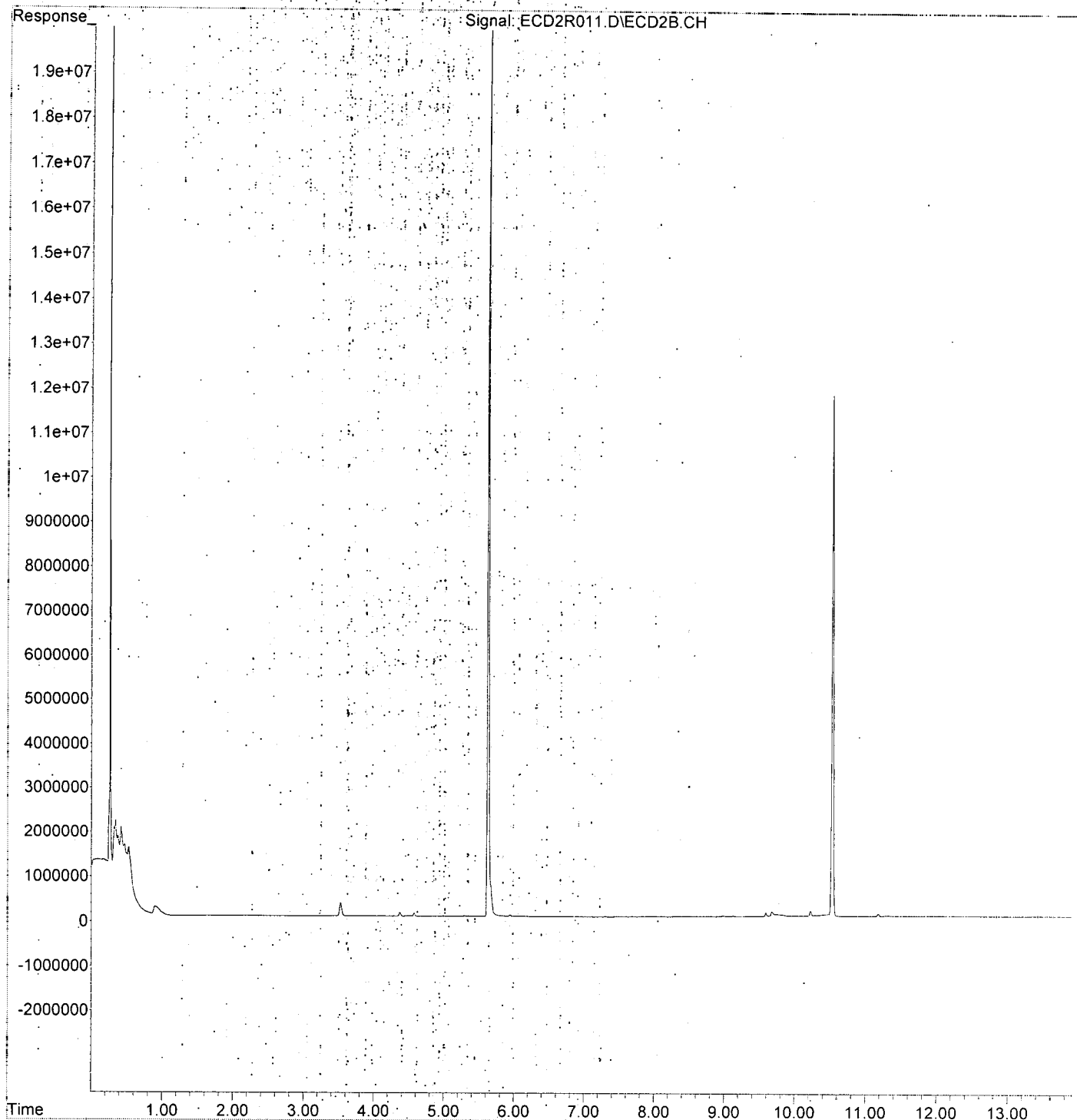
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 10:32
Operator : MJB / KAK
Sample : 0C02026-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 12:04:12 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0C02026\
 Data File: ECD2R014.D
 Signal(s): ECD2B.CH
 Acq On: 02 Mar 2020 12:41
 Operator: MJB / KAK
 Sample: AOB0681-03RE1
 Misc:
 ALS Vial: 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:58:14 2020
 Quant Method: L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title: PCB Data Analysis
 QLast Update: Tue Jan 14 09:35:58 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 3/2/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.621	33285891	147.527	ng/ml
62) S DCBP (S)	10.537	26154985	235.157	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.297	11349	1.836	ng/ml
3) Aroclor 1016 (2)	6.784	10790	0.943	ng/ml
4) Aroclor 1016 (3)	6.918	9893	1.847	ng/ml
5) Aroclor 1016 (4)	6.999	10726	2.171	ng/ml
6) Aroclor 1016 (5)	7.044	10721	1.933	ng/ml
7) Aroclor 1016 (6)	7.169	9414	1.648	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.798 5.797	19296	11.106	ng/ml 7.863 MI
10) Aroclor 1221 (2)	5.868 5.871	20248	11.793	ng/ml 8.294 MI
11) Aroclor 1221 (3)	5.997 5.948	15375	2.694	ng/ml 20.659 MI
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.997 5.951	15375	3.364	ng/ml 13.930 MI
14) Aroclor 1232 (2)	6.297	11349	4.360	ng/ml
15) Aroclor 1232 (3)	6.784	10790	2.206	ng/ml
16) Aroclor 1232 (4)	6.999	10726	6.340	ng/ml
17) Aroclor 1232 (5)	7.044	10721	5.152	ng/ml
18) Aroclor 1232 (6)	7.169	9414	4.339	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.297	11349	2.496	ng/ml
21) Aroclor 1242 (2)	6.784	10790	1.223	ng/ml
22) Aroclor 1242 (3)	6.918	9893	2.583	ng/ml
23) Aroclor 1242 (4)	6.999	10726	3.247	ng/ml
24) Aroclor 1242 (5)	7.044	10721	2.684	ng/ml
25) Aroclor 1242 (6)	7.169	9414	2.257	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.756	11658	2.258	ng/ml
28) Aroclor 1248 (2)	6.999	10726	1.687	ng/ml
29) Aroclor 1248 (3)	7.044	10721	1.806	ng/ml
30) Aroclor 1248 (4)	7.169	9414	1.290	ng/ml
31) Aroclor 1248 (5)	7.534	6372	0.716	ng/ml
32) Aroclor 1248 (6)	7.690	33952	4.170	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.513	7306	0.862	ng/ml
35) Aroclor 1254 (2)	7.690	33952	2.441	ng/ml
36) Aroclor 1254 (3)	8.000	29185	1.923	ng/ml
37) Aroclor 1254 (4)	8.237	21210	1.943	ng/ml
38) Aroclor 1254 (5)	8.578	23256	2.067	ng/ml
39) Aroclor 1254 (6)	8.823	17089	4.845	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.140	23553	2.237	ng/ml
42) Aroclor 1260 (2)	8.347	28557	2.238	ng/ml
43) Aroclor 1260 (3)	8.578	23256	1.754	ng/ml
44) Aroclor 1260 (4)	9.057	16310	0.771	ng/ml
45) Aroclor 1260 (5)	9.320	12249	1.001	ng/ml
46) Aroclor 1260 (6)	9.885	18884	3.870	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 12:41
 Operator : MJB / KAK
 Sample : A0B0681-03RE1
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:58:14 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.347	28557	2.701 ng/ml
49) Aroclor 1262 (2)	8.649	19090	1.250 ng/ml
50) Aroclor 1262 (3)	8.823	17089	1.335 ng/ml
51) Aroclor 1262 (4)	9.057	16310	0.593 ng/ml
52) Aroclor 1262 (5)	9.320	12249	0.746 ng/ml
53) Aroclor 1262 (6)	9.885	18884	2.623 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.863	14513	2.329 ng/ml
56) Aroclor 1268 (2)	9.320	12249	0.441 ng/ml
57) Aroclor 1268 (3)	9.380	10075	0.447 ng/ml
58) Aroclor 1268 (4)	9.598	114234	5.933 ng/ml
59) Aroclor 1268 (5)	9.885	18884	2.414 ng/ml
60) Aroclor 1268 (6)	10.233	201218	3.975 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

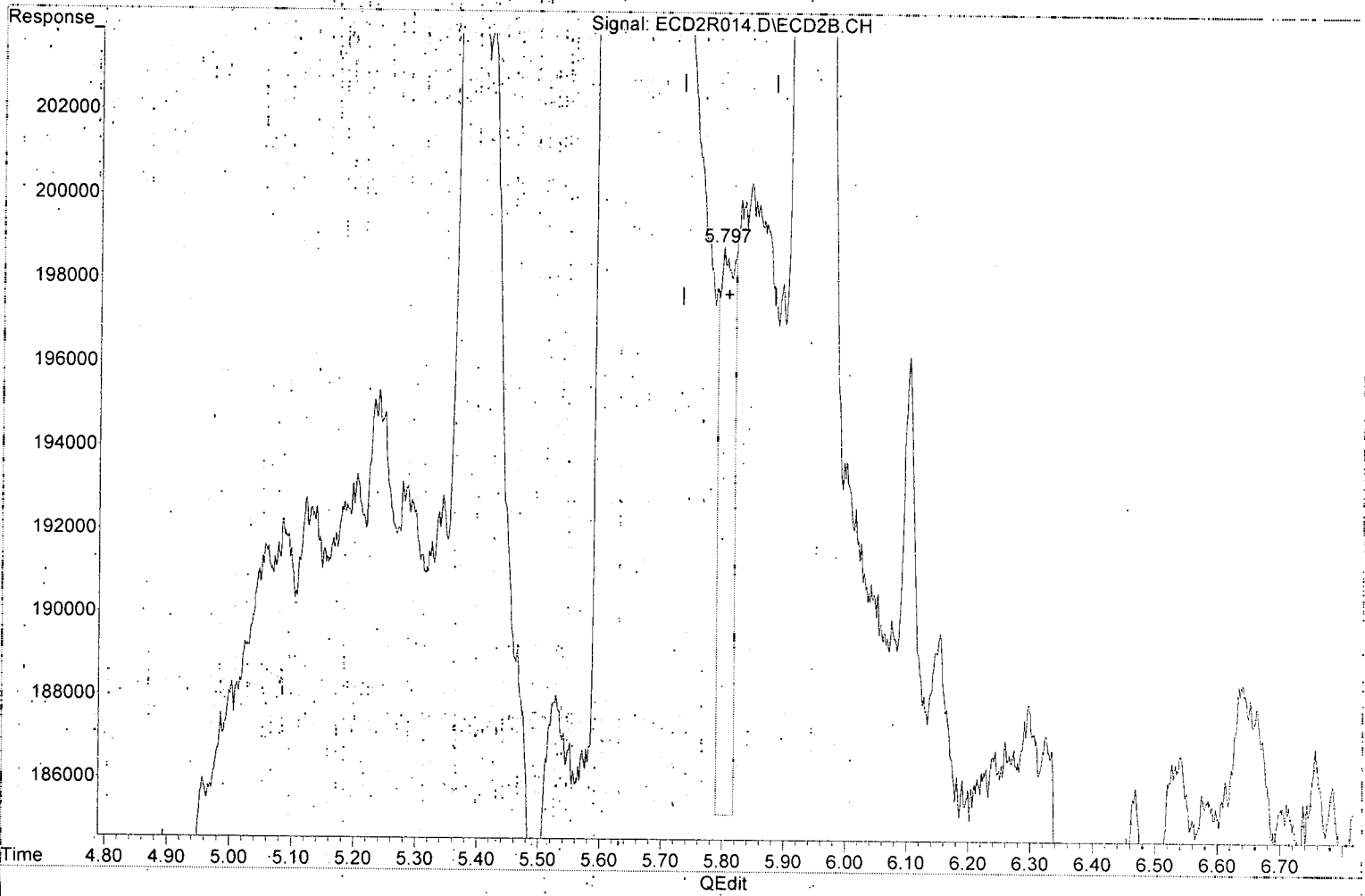
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Qedit)

Data Path : K:\DATA\0C02026\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 12:41
Operator : MJB / KAK
Sample : A0B0681-03RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:58:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(9) Aroclor 1221 (1)

5.797min 7.863 ng/ml

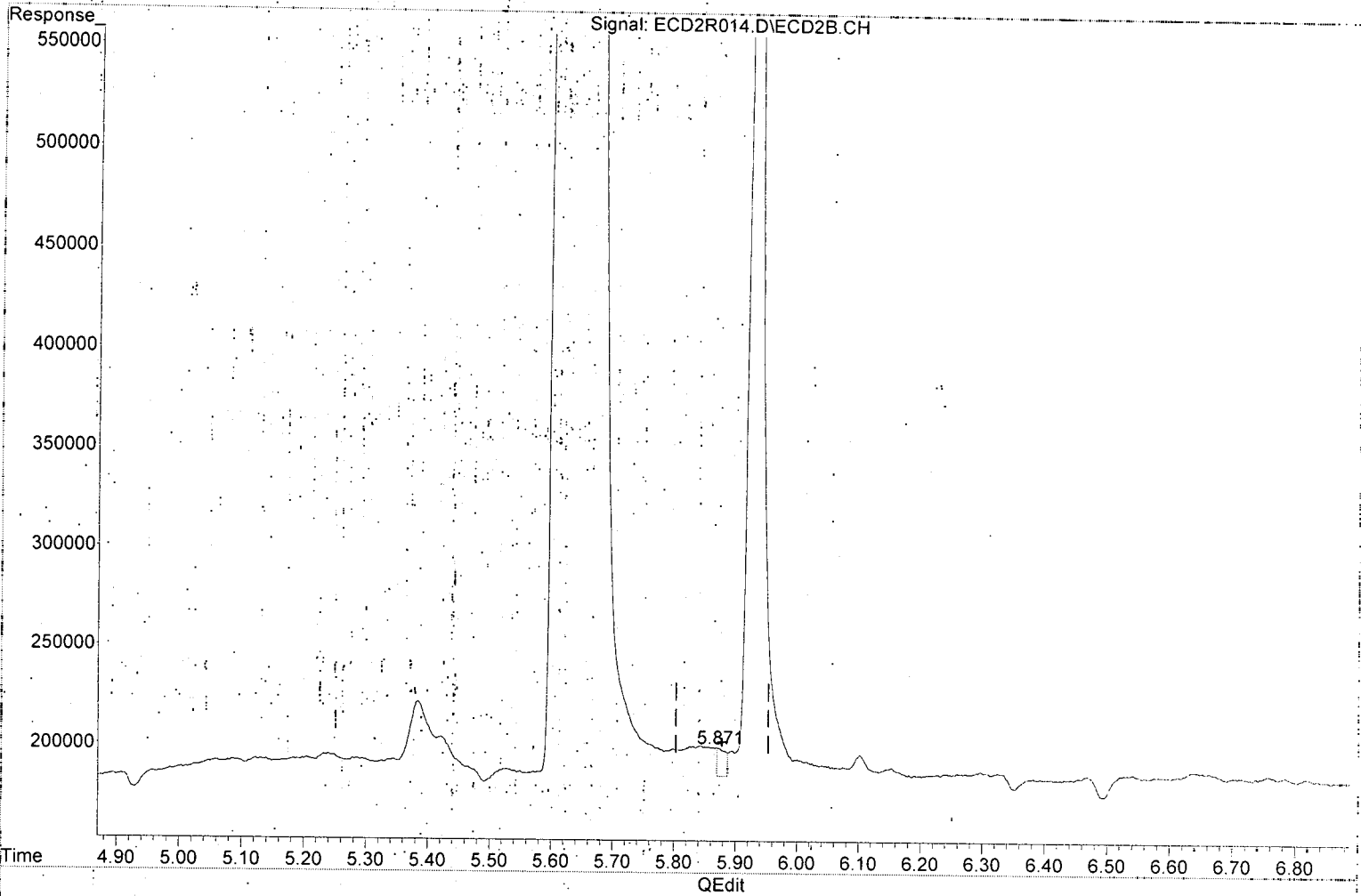
response 13663

MJB
3/2/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0C02026\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 12:41
Operator : MJB / KAK
Sample : A0B0681-03RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:58:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(10) Aroclor 1221 (2)

5.871min 8.294 ng/ml (m)

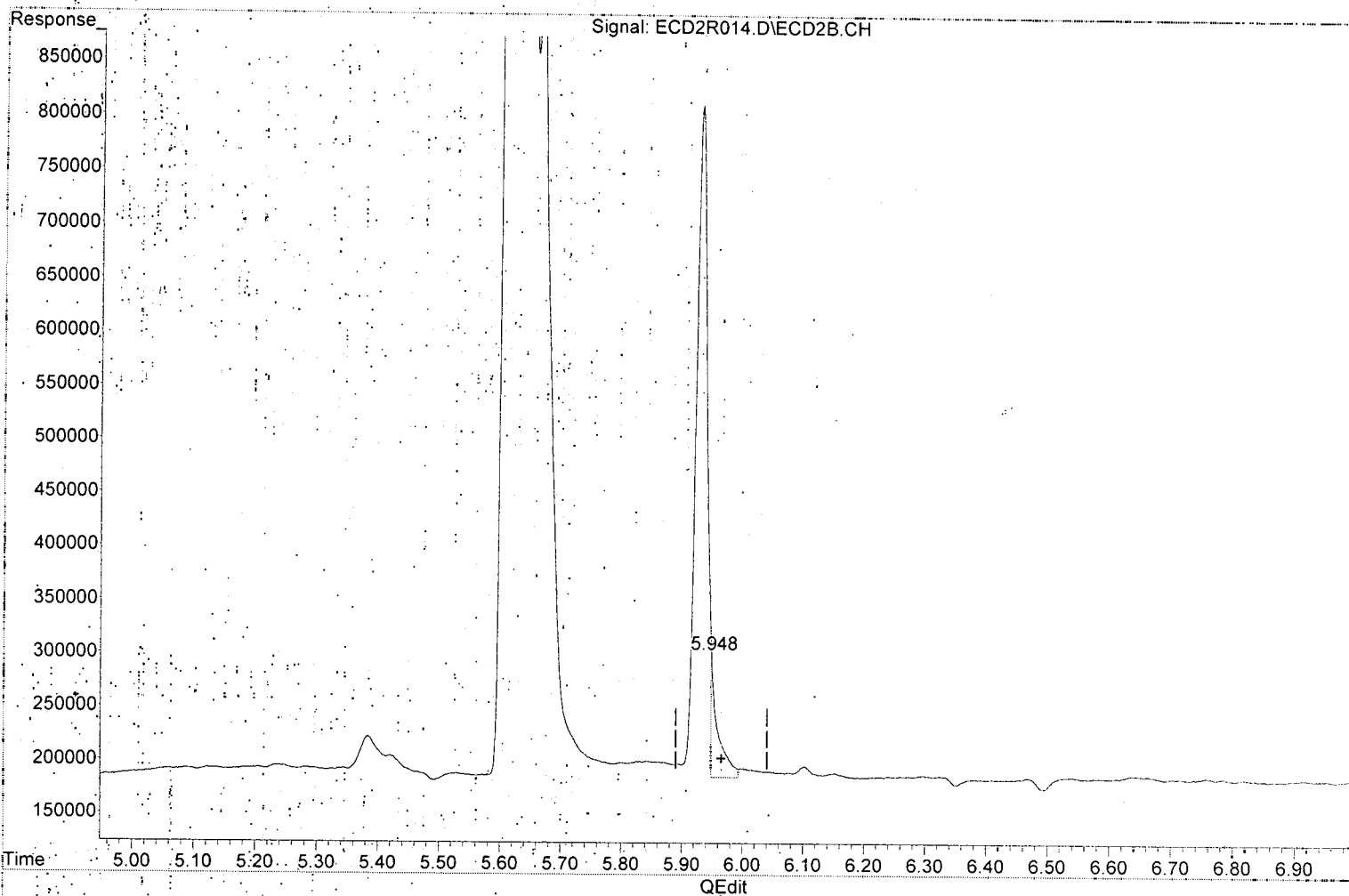
response 14240

Handwritten signature and date: MJB 3/2/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0C02026\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 12:41
Operator : MJB / KAK
Sample : A0B0681-03RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:58:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(11) Aroclor 1221 (3)

5.948min 20.659 ng/ml

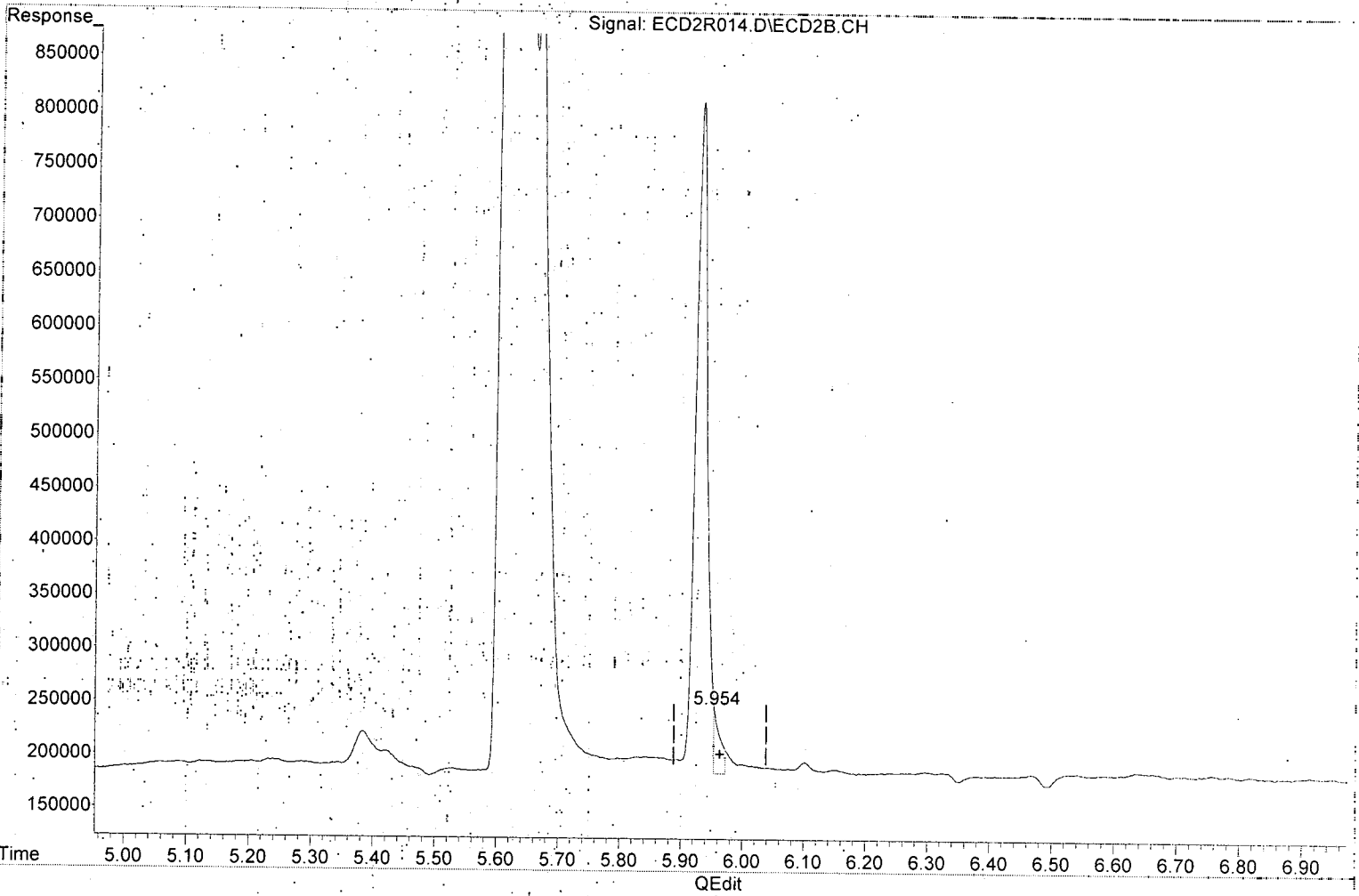
response 117899

MJB 3/2/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0C02026\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 12:41
Operator : MJB / KAK
Sample : A0B0681-03RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:58:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(13) Aroclor 1232 (1)

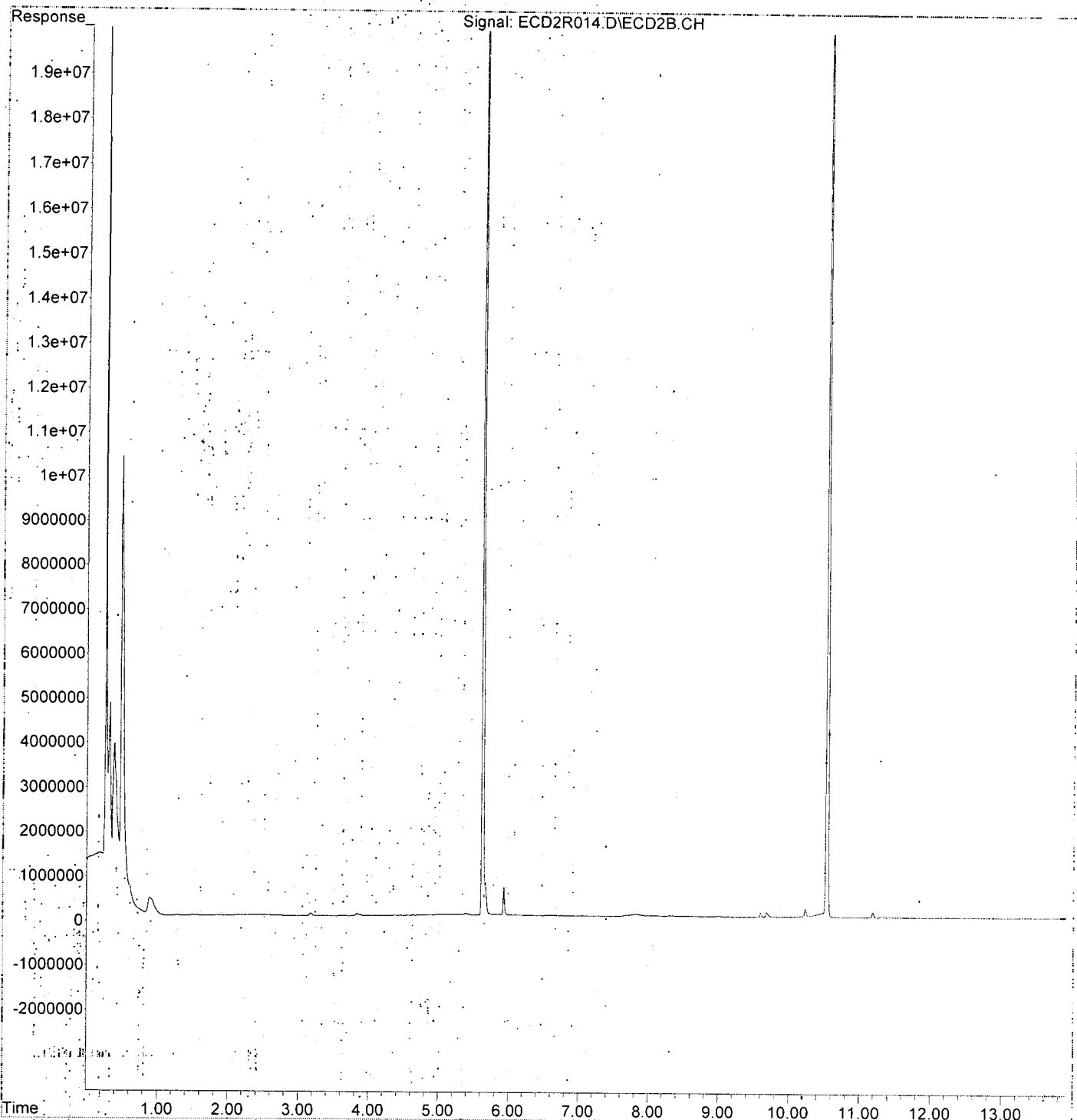
5.954min 13.930 ng/ml

response 63659

MJB 3/2/20

Data Path : K:\DATA\0C02026\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 12:41
Operator : MJB / KAK
Sample : A0B0681-03RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:58:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path: K:\DATA\0C02026\
 Data File: ECD2R016.D
 Signal(s): ECD2B.CH
 Acq On: 02 Mar 2020 13:16
 Operator: MJB / KAK
 Sample: 0020917-MS1
 Misc:
 ALS Vial: 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:58:44 2020
 Quant Method: L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title: PCB Data Analysis
 QLast Update: Tue Jan 14 09:35:58 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 3/12/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.624	32775023	145.263	ng/ml
62) S DCBP (S)	10.535	25487673	229.157	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.295	4247820	687.129	ng/ml
3) Aroclor 1016 (2)	6.786	8486142	741.708	ng/ml
4) Aroclor 1016 (3)	6.912	3424248	639.269	ng/ml
5) Aroclor 1016 (4)	6.998	4168250	843.645	ng/ml
6) Aroclor 1016 (5)	7.043	4517016	814.535	ng/ml
7) Aroclor 1016 (6)	7.168	4187495	733.031	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.798	306622	176.471	ng/ml
10) Aroclor 1221 (2)	5.873	559159	325.665	ng/ml
11) Aroclor 1221 (3)	5.961	2542627	445.527	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.961	2542627	556.374	ng/ml
14) Aroclor 1232 (2)	6.295	4247820	1632.062	ng/ml
15) Aroclor 1232 (3)	6.786	8486142	1734.712	ng/ml
16) Aroclor 1232 (4)	6.998	4168250	2463.741	ng/ml
17) Aroclor 1232 (5)	7.043	4517016	2170.761	ng/ml
18) Aroclor 1232 (6)	7.168	4187495	1930.010	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.295	4247820	934.340	ng/ml
21) Aroclor 1242 (2)	6.786	8486142	961.880	ng/ml
22) Aroclor 1242 (3)	6.912	3424248	894.020	ng/ml
23) Aroclor 1242 (4)	6.998	4168250	1261.733	ng/ml
24) Aroclor 1242 (5)	7.043	4517016	1130.971	ng/ml
25) Aroclor 1242 (6)	7.168	4187495	1004.000	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.758	7594254	1471.176	ng/ml
28) Aroclor 1248 (2)	6.998	4168250	655.452	ng/ml
29) Aroclor 1248 (3)	7.043	4517016	760.982	ng/ml
30) Aroclor 1248 (4)	7.168	4187495	573.983	ng/ml
31) Aroclor 1248 (5)	7.533	1027405	115.416	ng/ml
32) Aroclor 1248 (6)	7.691	4187762	514.390	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.509	3394949	400.638	ng/ml
35) Aroclor 1254 (2)	7.691	4187762	301.065	ng/ml
36) Aroclor 1254 (3)	8.001	2077317	136.897	ng/ml
37) Aroclor 1254 (4)	8.240	1620720	148.465	ng/ml
38) Aroclor 1254 (5)	8.574	13341391	1186.043	ng/ml
39) Aroclor 1254 (6)	8.821	9212428	2611.838	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.136	10540482	1001.199	ng/ml
42) Aroclor 1260 (2)	8.342	13786724	1080.256	ng/ml
43) Aroclor 1260 (3)	8.574	13341391	1006.050	ng/ml
44) Aroclor 1260 (4)	9.058	23400128	1106.260	ng/ml
45) Aroclor 1260 (5)	9.315	12963246	1059.545	ng/ml
46) Aroclor 1260 (6)	9.876	5326144	1091.432	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0C02026\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 13:16
 Operator : MJB / KAK
 Sample : 0020917-MS1
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:58:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

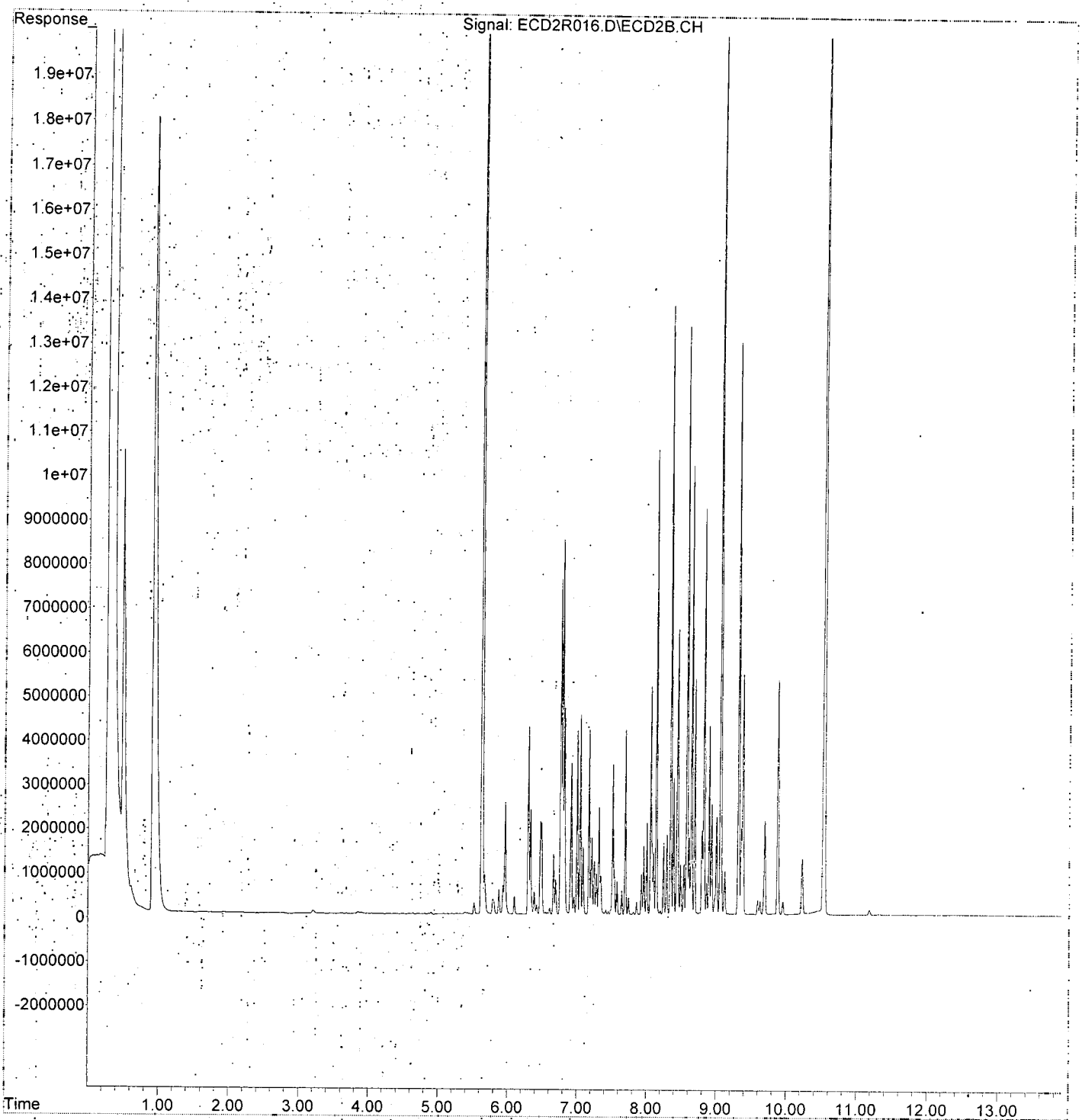
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.342	13786724	1304.117	ng/ml
49) Aroclor 1262 (2)	8.642	10159963	665.028	ng/ml
50) Aroclor 1262 (3)	8.821	9212428	719.485	ng/ml
51) Aroclor 1262 (4)	9.058	23400128	850.153	ng/ml
52) Aroclor 1262 (5)	9.315	12963246	789.501	ng/ml
53) Aroclor 1262 (6)	9.876	5326144	739.688	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.861	718935	115.359	ng/ml
56) Aroclor 1268 (2)	9.315	12963246	466.866	ng/ml
57) Aroclor 1268 (3)	9.378	5456008	242.314	ng/ml
58) Aroclor 1268 (4)	9.591	321232	16.685	ng/ml
59) Aroclor 1268 (5)	9.876	5326144	680.816	ng/ml
60) Aroclor 1268 (6)	10.224	1284790	25.384	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02026\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 13:16
Operator : MJB / KAK
Sample : 0020917-MS1
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:58:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path: K:\DATA\0C02026\
 Data File: ECD2R018.D
 Signal(s): ECD2B.CH
 Acq On: 02 Mar 2020 13:51
 Operator: MJB / KAK
 Sample: 0020917-MSD1
 Misc:
 ALS Vial: 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:59:13 2020
 Quant Method: L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title: PCB Data Analysis
 QLast Update: Tue Jan 14 09:35:58 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 3/2/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.625	35221116	156.104	ng/ml
62) S DCBP (S)	10.534	25643587	230.559	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.295	4547465	735.600	ng/ml
3) Aroclor 1016 (2)	6.786	8477308	740.936	ng/ml
4) Aroclor 1016 (3)	6.914	3540444	660.962	ng/ml
5) Aroclor 1016 (4)	6.998	4335101	877.416	ng/ml
6) Aroclor 1016 (5)	7.044	4795114	864.683	ng/ml
7) Aroclor 1016 (6)	7.168	4426138	774.806	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.799	303906	174.908	ng/ml
10) Aroclor 1221 (2)	5.873	562370	327.535	ng/ml
11) Aroclor 1221 (3)	5.961	2661340	466.328	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.961	2661340	582.350	ng/ml
14) Aroclor 1232 (2)	6.295	4547465	1747.188	ng/ml
15) Aroclor 1232 (3)	6.786	8477308	1732.906	ng/ml
16) Aroclor 1232 (4)	6.998	4335101	2562.363	ng/ml
17) Aroclor 1232 (5)	7.044	4795114	2304.407	ng/ml
18) Aroclor 1232 (6)	7.168	4426138	2040.001	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.295	4547465	1000.249	ng/ml
21) Aroclor 1242 (2)	6.786	8477308	960.879	ng/ml
22) Aroclor 1242 (3)	6.914	3540444	924.357	ng/ml
23) Aroclor 1242 (4)	6.998	4335101	1312.239	ng/ml
24) Aroclor 1242 (5)	7.044	4795114	1200.601	ng/ml
25) Aroclor 1242 (6)	7.168	4426138	1061.218	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.758	7470984	1447.296	ng/ml
28) Aroclor 1248 (2)	6.998	4335101	681.689	ng/ml
29) Aroclor 1248 (3)	7.044	4795114	807.833	ng/ml
30) Aroclor 1248 (4)	7.168	4426138	606.694	ng/ml
31) Aroclor 1248 (5)	7.533	1106479	124.299	ng/ml
32) Aroclor 1248 (6)	7.691	4147843	509.487	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.510	3455516	407.786	ng/ml
35) Aroclor 1254 (2)	7.691	4147843	298.195	ng/ml
36) Aroclor 1254 (3)	8.002	2146001	141.423	ng/ml
37) Aroclor 1254 (4)	8.240	1638764	150.118	ng/ml
38) Aroclor 1254 (5)	8.575	13697337	1217.686	ng/ml
39) Aroclor 1254 (6)	8.821	9448004	2678.627	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.137	10317425	980.011	ng/ml
42) Aroclor 1260 (2)	8.343	13641385	1068.868	ng/ml
43) Aroclor 1260 (3)	8.575	13697337	1032.891	ng/ml
44) Aroclor 1260 (4)	9.059	24442852	1155.555	ng/ml
45) Aroclor 1260 (5)	9.316	13150017	1074.811	ng/ml
46) Aroclor 1260 (6)	9.878	5263352	1078.565	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 13:51
 Operator : MJB / KAK
 Sample : 0020917-MSD1
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:59:13.2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58.2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

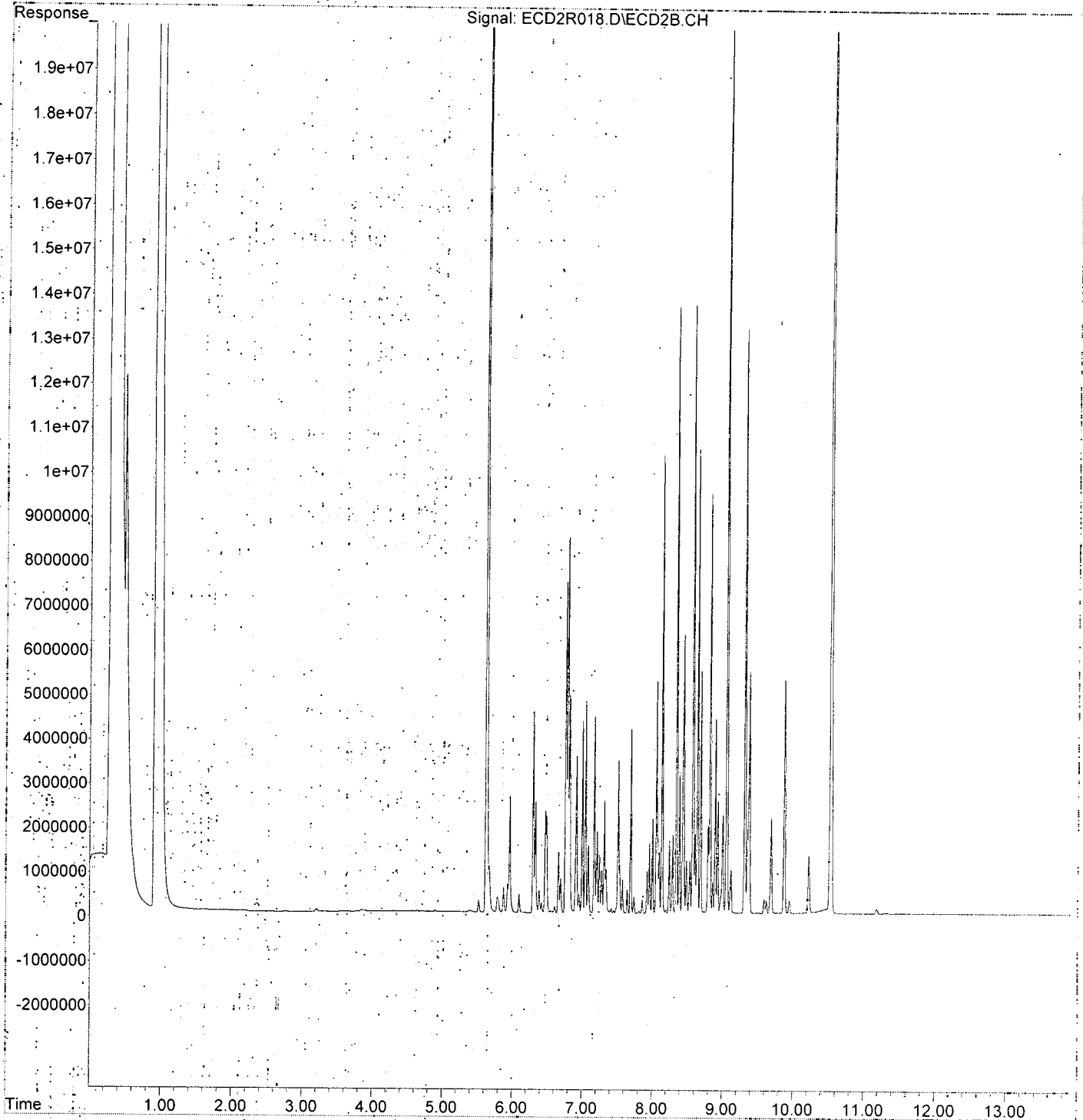
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.343	13641385	1290.369	ng/ml
49) Aroclor 1262 (2)	8.643	10442597	683.528	ng/ml
50) Aroclor 1262 (3)	8.821	9448004	737.883	ng/ml
51) Aroclor 1262 (4)	9.059	24442852	888.036	ng/ml
52) Aroclor 1262 (5)	9.316	13150017	800.876	ng/ml
53) Aroclor 1262 (6)	9.878	5263352	730.967	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.861	713353	114.463	ng/ml
56) Aroclor 1268 (2)	9.316	13150017	473.593	ng/ml
57) Aroclor 1268 (3)	9.379	5451868	242.130	ng/ml
58) Aroclor 1268 (4)	9.592	324801	16.870	ng/ml
59) Aroclor 1268 (5)	9.878	5263352	672.789	ng/ml
60) Aroclor 1268 (6)	10.225	1322978	26.138	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02026\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 13:51
Operator : MJB / KAK
Sample : 0020917-MSD1
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:59:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 14:26
 Operator : MJB / KAK
 Sample : A0B0681-04RE1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:59:46 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 3/2/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.624	33791440	149.768 ng/ml
62) S DCBP (S)	10.534	25356888	227.981 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	10762	1.741 ng/ml
3) Aroclor 1016 (2)	6.789	6600	0.577 ng/ml
4) Aroclor 1016 (3)	6.920	7656	1.429 ng/ml
5) Aroclor 1016 (4)	6.996	8187	1.657 ng/ml
6) Aroclor 1016 (5)	7.047	8090	1.459 ng/ml
7) Aroclor 1016 (6)	7.169	7193	1.259 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.812	14341	8.254 ng/ml
10) Aroclor 1221 (2)	5.871	12299	7.163 ng/ml
11) Aroclor 1221 (3)	5.931	636683	111.562 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.931	636683	139.318 ng/ml
14) Aroclor 1232 (2)	6.300	10762	4.135 ng/ml
15) Aroclor 1232 (3)	6.789	6600	1.349 ng/ml
16) Aroclor 1232 (4)	6.996	8187	4.839 ng/ml
17) Aroclor 1232 (5)	7.047	8090	3.888 ng/ml
18) Aroclor 1232 (6)	7.169	7193	3.315 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.300	10762	2.367 ng/ml
21) Aroclor 1242 (2)	6.789	6600	0.748 ng/ml
22) Aroclor 1242 (3)	6.920	7656	1.999 ng/ml
23) Aroclor 1242 (4)	6.996	8187	2.478 ng/ml
24) Aroclor 1242 (5)	7.047	8090	2.025 ng/ml
25) Aroclor 1242 (6)	7.169	7193	1.725 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.756	9898	1.917 ng/ml
28) Aroclor 1248 (2)	6.996	8187	1.287 ng/ml
29) Aroclor 1248 (3)	7.047	8090	1.363 ng/ml
30) Aroclor 1248 (4)	7.169	7193	0.986 ng/ml
31) Aroclor 1248 (5)	7.538	4247	0.477 ng/ml
32) Aroclor 1248 (6)	7.692	5792	0.711 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.511	5957	0.703 ng/ml
35) Aroclor 1254 (2)	7.692	5792	0.416 ng/ml
36) Aroclor 1254 (3)	8.000	12619	0.832 ng/ml
37) Aroclor 1254 (4)	8.241	10934	1.002 ng/ml
38) Aroclor 1254 (5)	8.575	26887	2.390 ng/ml
39) Aroclor 1254 (6)	8.820	16820	4.769 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.136	13290	1.262 ng/ml
42) Aroclor 1260 (2)	8.343	25984	2.036 ng/ml
43) Aroclor 1260 (3)	8.575	26887	2.028 ng/ml
44) Aroclor 1260 (4)	9.057	33271	1.573 ng/ml
45) Aroclor 1260 (5)	9.315	27692	2.263 ng/ml
46) Aroclor 1260 (6)	9.877	17489	3.584 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0C02026\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 14:26
 Operator : MJB / KAK
 Sample : A0B0681-04RE1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 15:59:46 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

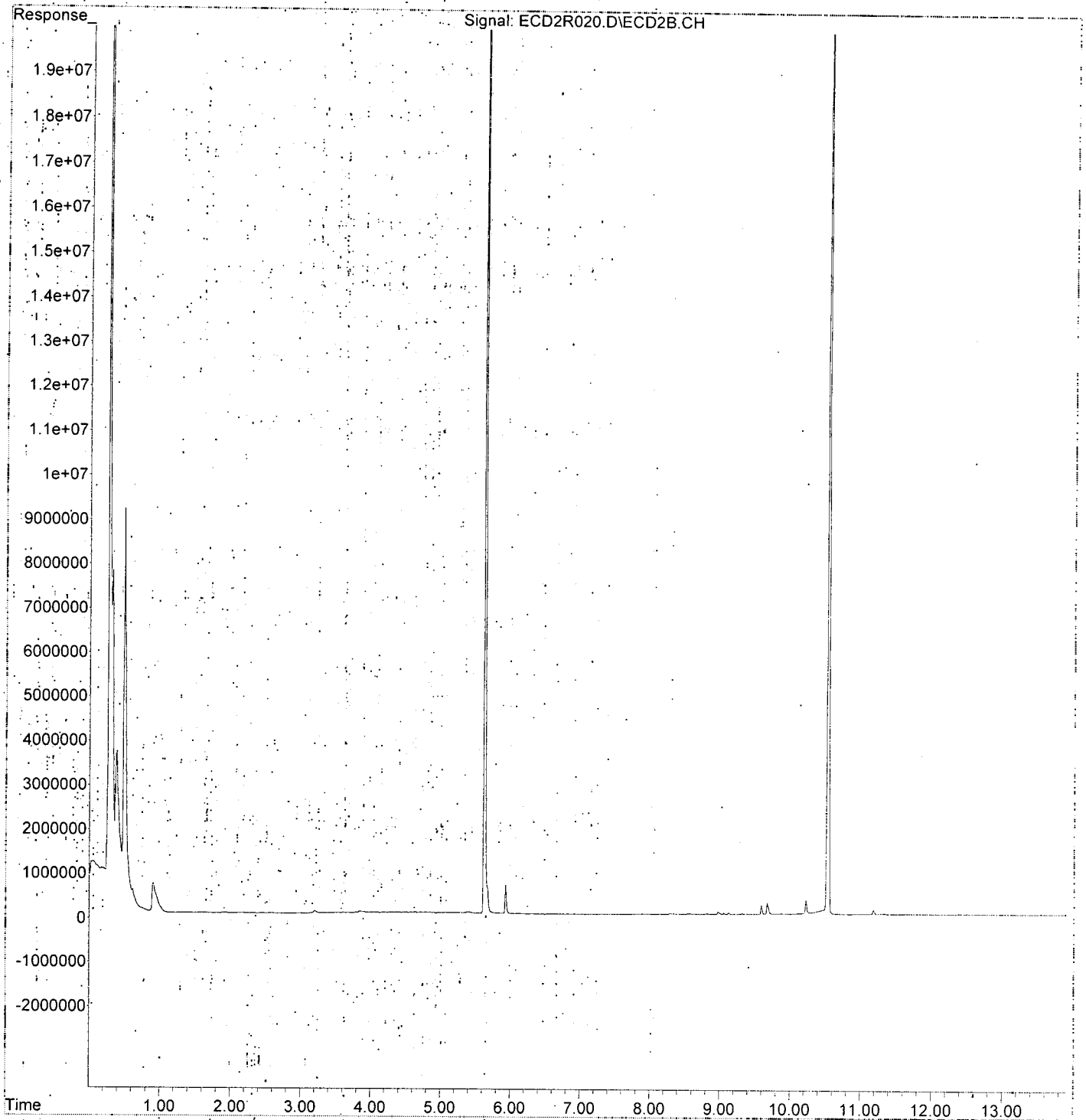
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.343	25984	2.458 ng/ml
49) Aroclor 1262 (2)	8.644	16239	1.063 ng/ml
50) Aroclor 1262 (3)	8.820	16820	1.314 ng/ml
51) Aroclor 1262 (4)	9.057	33271	1.209 ng/ml
52) Aroclor 1262 (5)	9.315	27692	1.687 ng/ml
53) Aroclor 1262 (6)	9.877	17489	2.429 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.865	6178	0.991 ng/ml
56) Aroclor 1268 (2)	9.315	27692	0.997 ng/ml
57) Aroclor 1268 (3)	9.379	14857	0.660 ng/ml
58) Aroclor 1268 (4)	9.594	213909	11.110 ng/ml
59) Aroclor 1268 (5)	9.877	17489	2.236 ng/ml
60) Aroclor 1268 (6)	10.227	311990	6.164 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02026\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 14:26
Operator : MJB / KAK
Sample : A0B0681-04RE1
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 15:59:46 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02026\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 15:01
 Operator : MJB / KAK
 Sample : 0C02026-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:00:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.625	57135490	253.231	ng/ml
62) S DCBP (S)	10.535	33246830	298.919	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.295	2974722	481.192	ng/ml
3) Aroclor 1016 (2)	6.787	5037146	440.258	ng/ml
4) Aroclor 1016 (3)	6.915	2260254	421.964	ng/ml
5) Aroclor 1016 (4)	6.998	2595603	525.345	ng/ml
6) Aroclor 1016 (5)	7.043	2829396	510.213	ng/ml
7) Aroclor 1016 (6)	7.169	2945300	515.582	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.798	238283	137.140	ng/ml
10) Aroclor 1221 (2)	5.873	404080	235.344	ng/ml
11) Aroclor 1221 (3)	5.961	1809329	317.036	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.961	1809329	395.915	ng/ml
14) Aroclor 1232 (2)	6.295	2974722	1142.923	ng/ml
15) Aroclor 1232 (3)	6.787	5037146	1029.679	ng/ml
16) Aroclor 1232 (4)	6.998	2595603	1534.192	ng/ml
17) Aroclor 1232 (5)	7.043	2829396	1359.734	ng/ml
18) Aroclor 1232 (6)	7.169	2945300	1357.485	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.295	2974722	654.313	ng/ml
21) Aroclor 1242 (2)	6.787	5037146	570.946	ng/ml
22) Aroclor 1242 (3)	6.915	2260254	590.119	ng/ml
23) Aroclor 1242 (4)	6.998	2595603	785.691	ng/ml
24) Aroclor 1242 (5)	7.043	2829396	708.424	ng/ml
25) Aroclor 1242 (6)	7.169	2945300	706.170	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.759	4578850	887.025	ng/ml
28) Aroclor 1248 (2)	6.998	2595603	408.155	ng/ml
29) Aroclor 1248 (3)	7.043	2829396	476.668	ng/ml
30) Aroclor 1248 (4)	7.169	2945300	403.714	ng/ml
31) Aroclor 1248 (5)	7.535	657287	73.838	ng/ml
32) Aroclor 1248 (6)	7.692	2370810	291.211	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.510	1998036	235.789	ng/ml
35) Aroclor 1254 (2)	7.692	2370810	170.441	ng/ml
36) Aroclor 1254 (3)	8.002	1410852	92.976	ng/ml
37) Aroclor 1254 (4)	8.242	989250	90.620	ng/ml
38) Aroclor 1254 (5)	8.576	7737156	687.829	ng/ml
39) Aroclor 1254 (6)	8.821	5369003	1522.179	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.138	5806976	551.582	ng/ml
42) Aroclor 1260 (2)	8.344	7210933	565.011	ng/ml
43) Aroclor 1260 (3)	8.576	7737156	583.445	ng/ml
44) Aroclor 1260 (4)	9.059	12265287	579.851	ng/ml
45) Aroclor 1260 (5)	9.316	7604129	621.520	ng/ml
46) Aroclor 1260 (6)	9.879	2708002	554.923	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0C02026\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 15:01
 Operator : MJB / KAK
 Sample : 0C02026-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:00:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

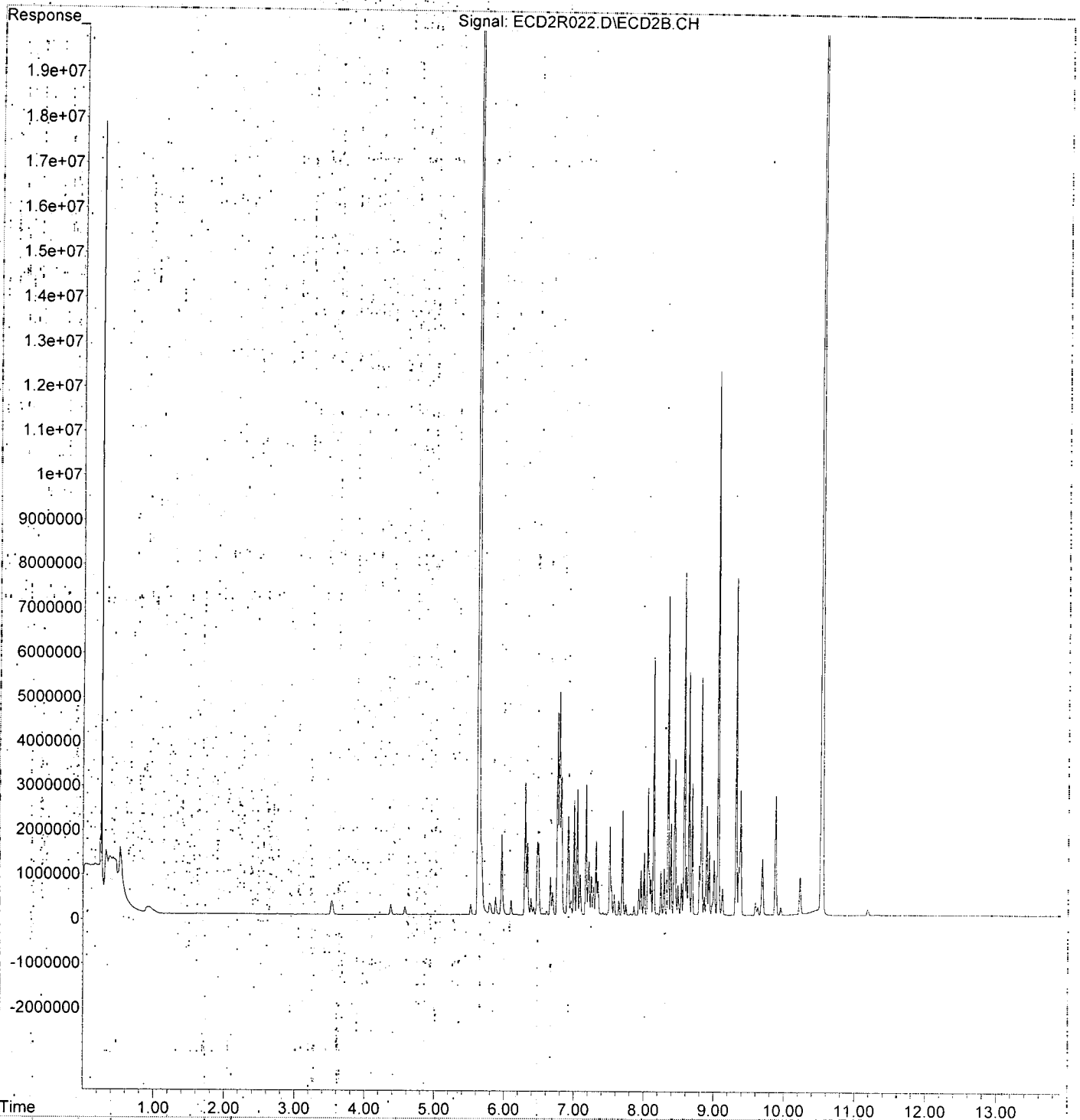
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.344	7210933	682.098 ng/ml
49) Aroclor 1262 (2)	8.643	5502185	360.149 ng/ml
50) Aroclor 1262 (3)	8.821	5369003	419.316 ng/ml
51) Aroclor 1262 (4)	9.059	12265287	445.612 ng/ml
52) Aroclor 1262 (5)	9.316	7604129	463.114 ng/ml
53) Aroclor 1262 (6)	9.879	2708002	376.084 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.861	418798	67.200 ng/ml
56) Aroclor 1268 (2)	9.316	7604129	273.860 ng/ml
57) Aroclor 1268 (3)	9.379	2832133	125.782 ng/ml
58) Aroclor 1268 (4)	9.594	286777	14.895 ng/ml
59) Aroclor 1268 (5)	9.879	2708002	346.151 ng/ml
60) Aroclor 1268 (6)	10.226	853811	16.869 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window.

(m)=manual int.

Data Path : K:\DATA\0C02026\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 15:01
Operator : MJB / KAK
Sample : 0C02026-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:00:20 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 15:19
 Operator : MJB / KAK
 Sample : 0C02026-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:00:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.625	20079106	88.993 ng/ml
62) S DCBP (S)	10.535	12444612	111.888 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.298	1672	0.270 ng/ml
3) Aroclor 1016 (2)	6.804	1914	0.167 ng/ml
4) Aroclor 1016 (3)	6.928	2095	0.391 ng/ml
5) Aroclor 1016 (4)	7.005	2217	0.449 ng/ml
6) Aroclor 1016 (5)	7.053	2550	0.460 ng/ml
7) Aroclor 1016 (6)	7.176	2576	0.451 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.868f	8874	5.108 ng/ml
10) Aroclor 1221 (2)	5.868	8874	5.169 ng/ml
11) Aroclor 1221 (3)	5.945	33192	5.816 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.945	33192	7.263 ng/ml
14) Aroclor 1232 (2)	6.298	1672	0.642 ng/ml
15) Aroclor 1232 (3)	6.804	1914	0.391 ng/ml
16) Aroclor 1232 (4)	7.005	2217	1.310 ng/ml
17) Aroclor 1232 (5)	7.042	2076	0.998 ng/ml
18) Aroclor 1232 (6)	7.176	2576	1.187 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.298	1672	0.368 ng/ml
21) Aroclor 1242 (2)	6.804	1914	0.217 ng/ml
22) Aroclor 1242 (3)	6.904	1840	0.480 ng/ml
23) Aroclor 1242 (4)	7.005	2217	0.671 ng/ml
24) Aroclor 1242 (5)	7.042	2076	0.520 ng/ml
25) Aroclor 1242 (6)	7.176	2576	0.618 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.759	1605	0.311 ng/ml
28) Aroclor 1248 (2)	7.005	2217	0.349 ng/ml
29) Aroclor 1248 (3)	7.042	2076	0.350 ng/ml
30) Aroclor 1248 (4)	7.176	2576	0.353 ng/ml
31) Aroclor 1248 (5)	7.538	1645	0.185 ng/ml
32) Aroclor 1248 (6)	7.703	1291	0.159 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.519	1789	0.211 ng/ml
35) Aroclor 1254 (2)	7.703	1291	0.093 ng/ml
36) Aroclor 1254 (3)	8.003	5356	0.353 ng/ml
37) Aroclor 1254 (4)	8.245	2708	0.248 ng/ml
38) Aroclor 1254 (5)	8.573	5953	0.529 ng/ml
39) Aroclor 1254 (6)	8.821	4891	1.387 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.136	3863	0.367 ng/ml
42) Aroclor 1260 (2)	8.340	7545	0.591 ng/ml
43) Aroclor 1260 (3)	8.573	5953	0.449 ng/ml
44) Aroclor 1260 (4)	9.058	7556	0.357 ng/ml
45) Aroclor 1260 (5)	9.318	11635	0.951 ng/ml
46) Aroclor 1260 (6)	9.887	16857	3.454 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 15:19
 Operator : MJB / KAK
 Sample : 0C02026-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:00:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

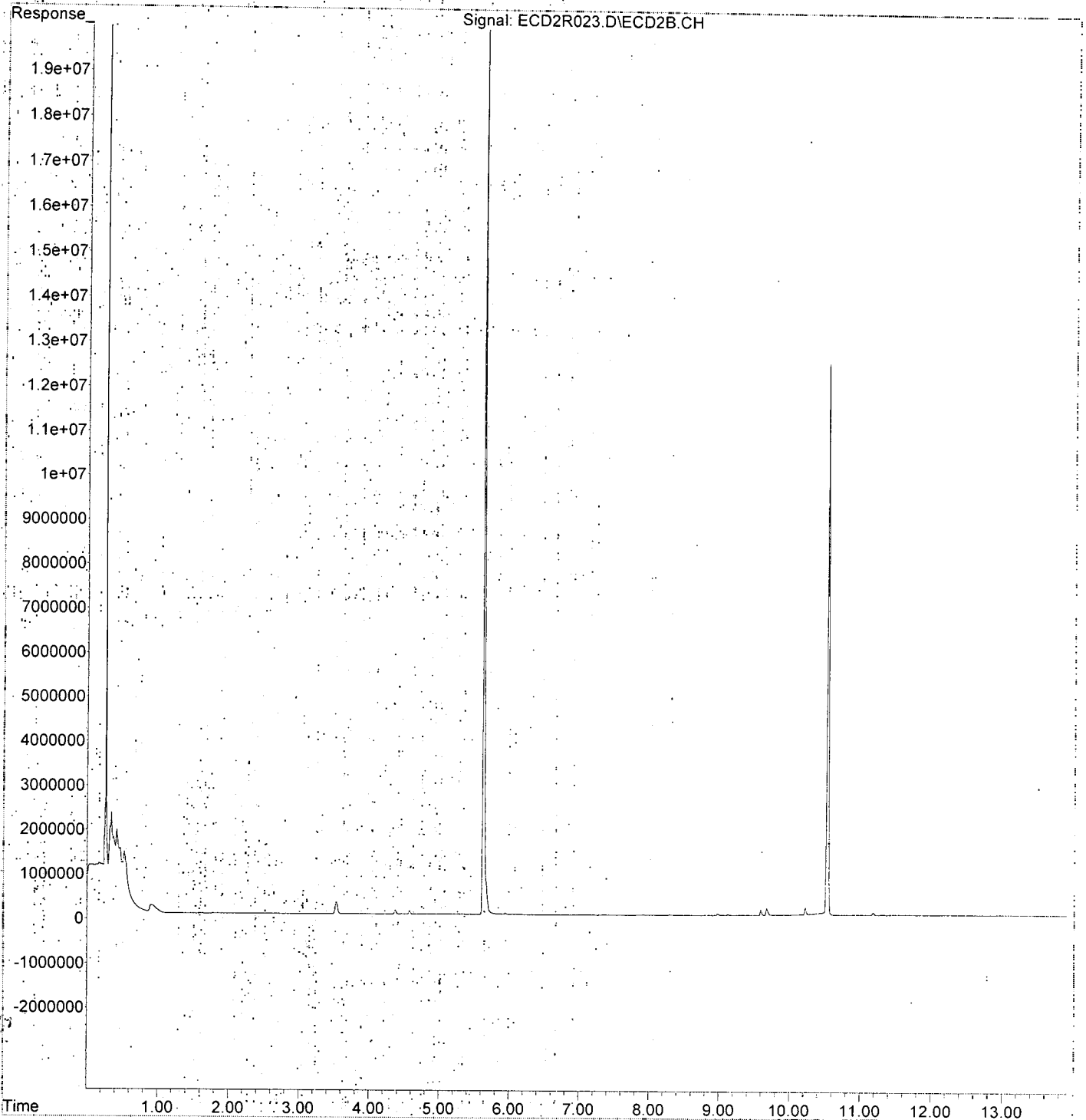
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.340	7545	0.714 ng/ml
49) Aroclor 1262 (2)	8.643	4011	0.263 ng/ml
50) Aroclor 1262 (3)	8.821	4891	0.382 ng/ml
51) Aroclor 1262 (4)	9.058	7556	0.275 ng/ml
52) Aroclor 1262 (5)	9.318	11635	0.709 ng/ml
53) Aroclor 1262 (6)	9.887	16857	2.341 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.864	4130	0.663 ng/ml
56) Aroclor 1268 (2)	9.318	11635	0.419 ng/ml
57) Aroclor 1268 (3)	9.378	9939	0.441 ng/ml
58) Aroclor 1268 (4)	9.594	135649	7.046 ng/ml
59) Aroclor 1268 (5)	9.887	16857	2.155 ng/ml
60) Aroclor 1268 (6)	10.227	175976	3.477 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0C02026\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 15:19
Operator : MJB / KAK
Sample : 0C02026-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:00:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02026\
 Data File : ECD2R024.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 15:37
 Operator : MJB / KAK
 Sample : A0B0681-05RE1(35)
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:01:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 R-0A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.629	5390126	23.890 ng/ml
62) S DCBP (S)	10.536	3290661	29.586 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.290	434408	70.270 ng/ml
3) Aroclor 1016 (2)	6.791	188282	16.456 ng/ml
4) Aroclor 1016 (3)	6.918	149045	27.825 ng/ml
5) Aroclor 1016 (4)	7.032	204009	41.291 ng/ml
6) Aroclor 1016 (5)	7.032	204009	36.788 ng/ml
7) Aroclor 1016 (6)	7.170	161226	28.223 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.822	77244	44.456 ng/ml
10) Aroclor 1221 (2)	5.880	7690	4.479 ng/ml
11) Aroclor 1221 (3)	5.949	676552	118.547 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.949	676552	148.042 ng/ml
14) Aroclor 1232 (2)	6.290	434408	166.904 ng/ml
15) Aroclor 1232 (3)	6.791	188282	38.488 ng/ml
16) Aroclor 1232 (4)	6.973	224268	132.559 ng/ml
17) Aroclor 1232 (5)	7.032	204009	98.041 ng/ml
18) Aroclor 1232 (6)	7.170	161226	74.309 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.290	434408	95.551 ng/ml
21) Aroclor 1242 (2)	6.791	188282	21.341 ng/ml
22) Aroclor 1242 (3)	6.918	149045	38.913 ng/ml
23) Aroclor 1242 (4)	6.973	224268	67.886 ng/ml
24) Aroclor 1242 (5)	7.032	204009	51.080 ng/ml
25) Aroclor 1242 (6)	7.170	161226	38.656 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.737	124880	24.192 ng/ml
28) Aroclor 1248 (2)	6.973	224268	35.266 ng/ml
29) Aroclor 1248 (3)	7.032	204009	34.369 ng/ml
30) Aroclor 1248 (4)	7.170	161226	22.099 ng/ml
31) Aroclor 1248 (5)	7.536	165704	18.615 ng/ml
32) Aroclor 1248 (6)	7.692	225369	27.682 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.508	193156	22.794 ng/ml
35) Aroclor 1254 (2)	7.692	225369	16.202 ng/ml
36) Aroclor 1254 (3)	7.990	1426367	93.999 ng/ml
37) Aroclor 1254 (4)	8.257 8.229	158136	14.486 ng/ml SA.150MI
38) Aroclor 1254 (5)	8.580	237686	21.130 ng/ml
39) Aroclor 1254 (6)	8.797	393572	111.583 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.138	413503	39.277 ng/ml
42) Aroclor 1260 (2)	8.351	757629	59.364 ng/ml
43) Aroclor 1260 (3)	8.580	237686	17.923 ng/ml
44) Aroclor 1260 (4)	9.072	383201	18.116 ng/ml
45) Aroclor 1260 (5)	9.327	308078	25.181 ng/ml
46) Aroclor 1260 (6)	9.898 9.883	131789	27.006 ng/ml 27.963MI
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten: R-02

Handwritten: R-02

Data Path : K:\DATA\0C02026\
 Data File : ECD2R024.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 15:37
 Operator : MJB / KAK
 Sample : A0B0681-05RE1@5
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:01:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R:T	Response	Conc Units
48) Aroclor 1262 (1)	8.351	757629	71.666 ng/ml
49) Aroclor 1262 (2)	8.632	586982	38.421 ng/ml
50) Aroclor 1262 (3)	8.834	271943	21.239 ng/ml
51) Aroclor 1262 (4)	9.072	383201	13.922 ng/ml
52) Aroclor 1262 (5)	9.327	308078	18.763 ng/ml
53) Aroclor 1262 (6)	9.882	136760	18.993 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.868	240249	38.550 ng/ml
56) Aroclor 1268 (2)	9.327	308078	11.095 ng/ml
57) Aroclor 1268 (3)	9.410 9.365	227453	10.102 ng/ml 9.340 ml
58) Aroclor 1268 (4)	9.581	260135	13.511 ng/ml
59) Aroclor 1268 (5)	9.882	136760	17.481 ng/ml
60) Aroclor 1268 (6)	10.221	86462	1.708 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

↑ MDL

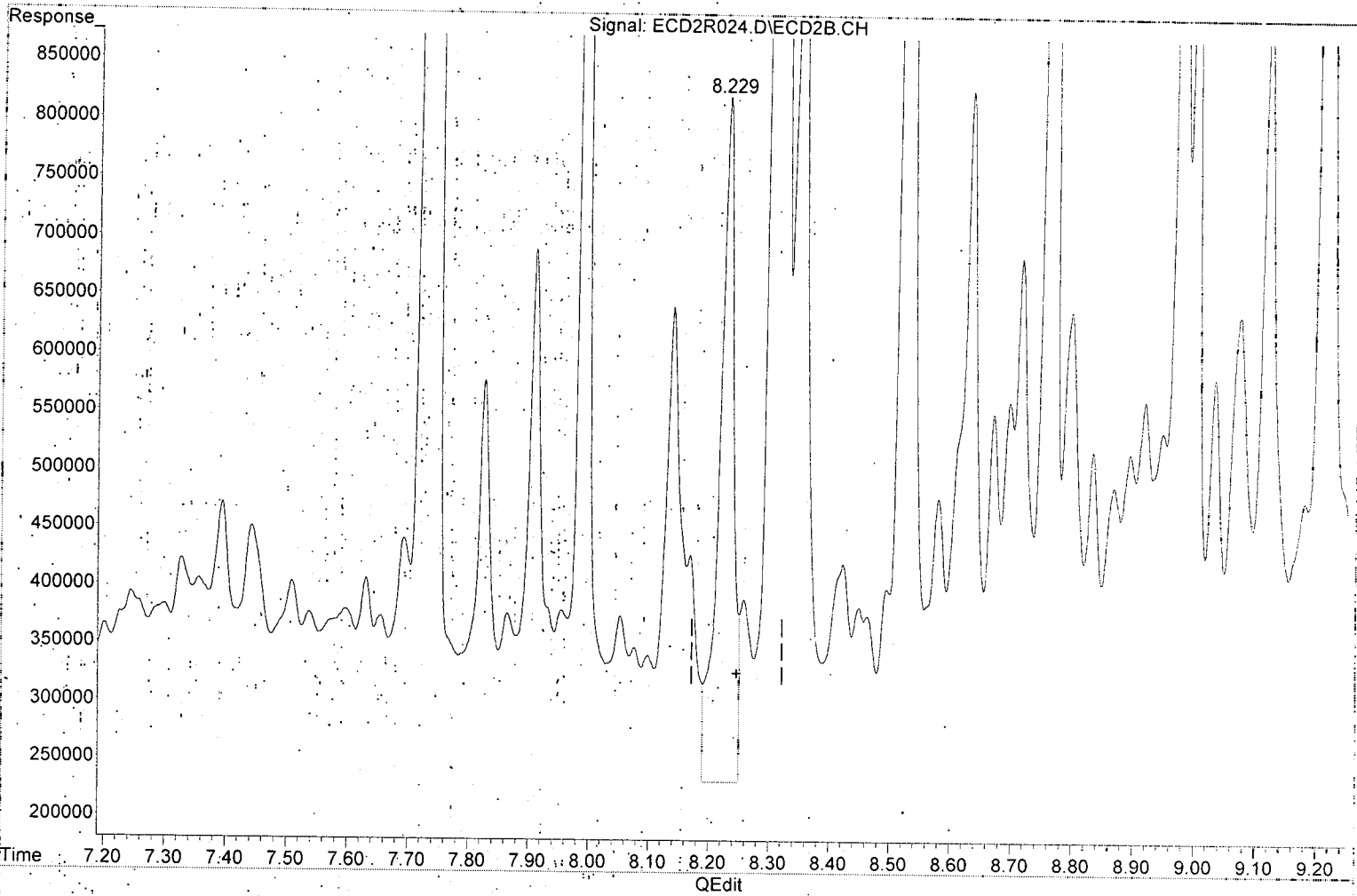
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Qedit)

Data Path : K:\DATA\OC02026\
Data File : ECD2R024.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 15:37
Operator : MJB / KAK
Sample : A0B0681-05RE1e5
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:01:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(37) Aroclor 1254 (4)

8.229min 54.150 ng/ml

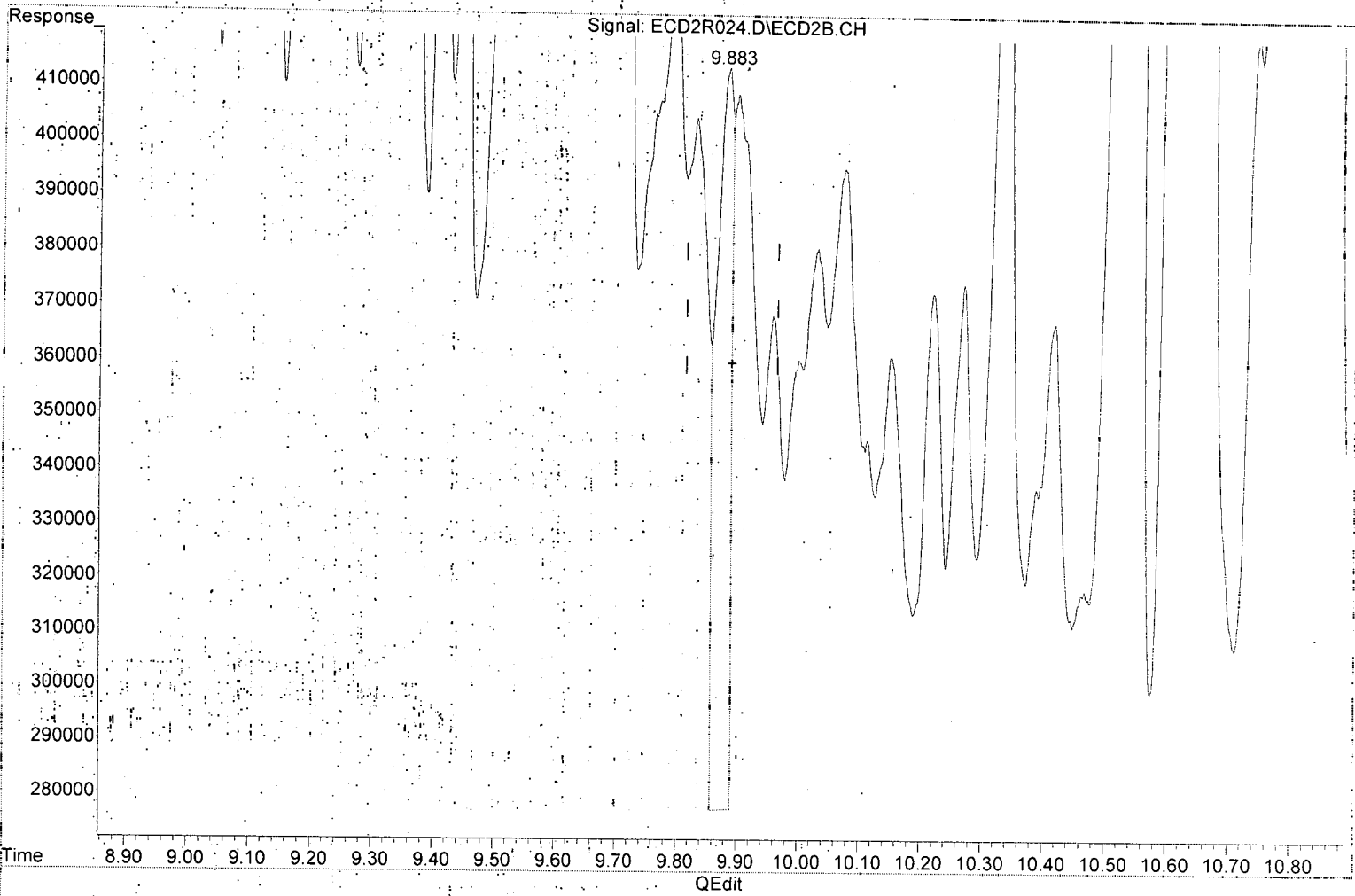
response 591124

MJB
3/2/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0C02026\
Data File : ECD2R024.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 15:37
Operator : MJB / KAK
Sample : A0B0681-05RE1@5
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:01:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(46) Aroclor 1260 (6)

9.883min 27.963 ng/ml

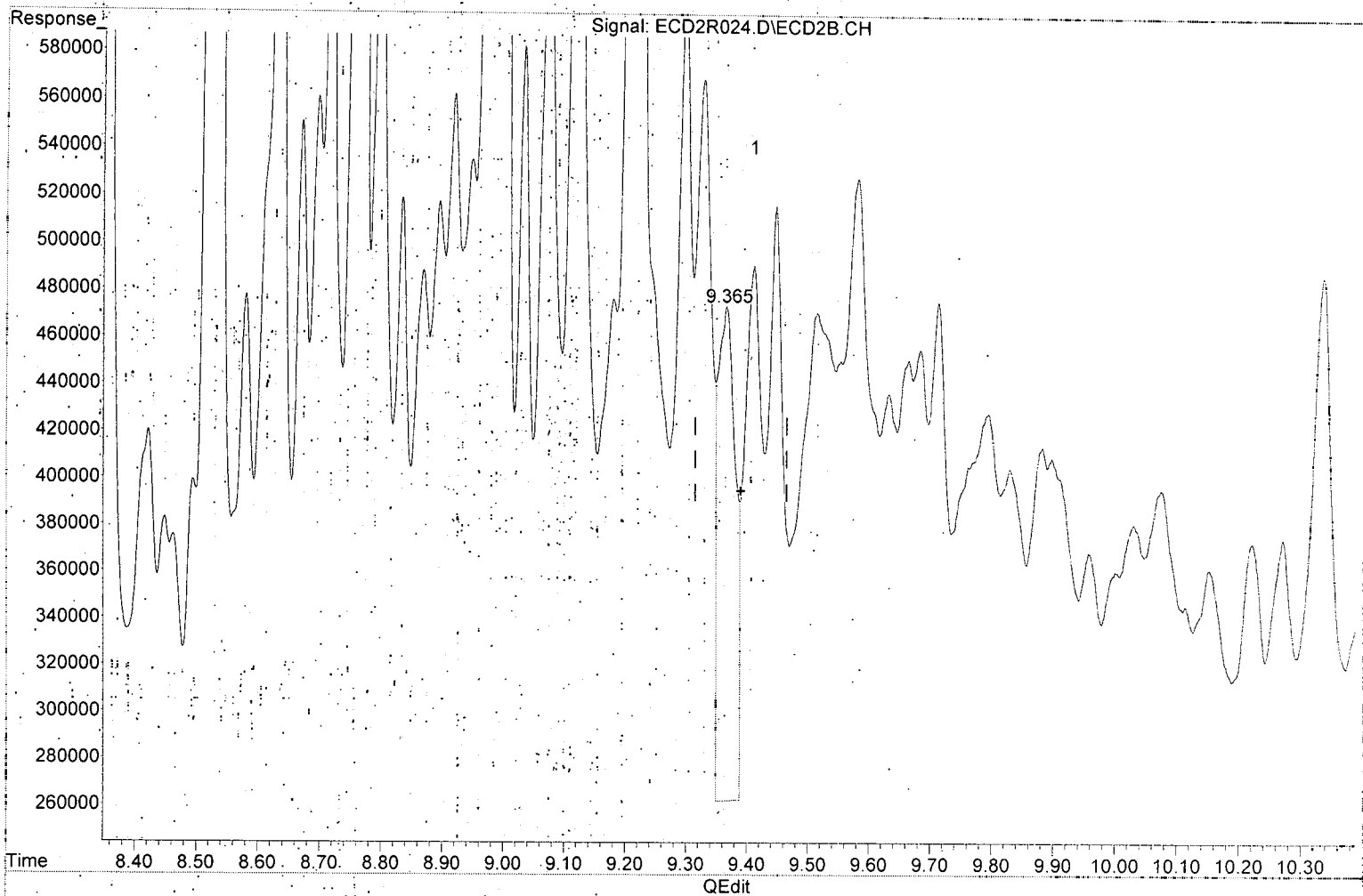
response 136458

MJB
3/2/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0C02026\
Data File : ECD2R024.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 15:37
Operator : MJB / KAK
Sample : A0B0681-05RE1@5
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:01:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(57) Aroclor 1268 (3)

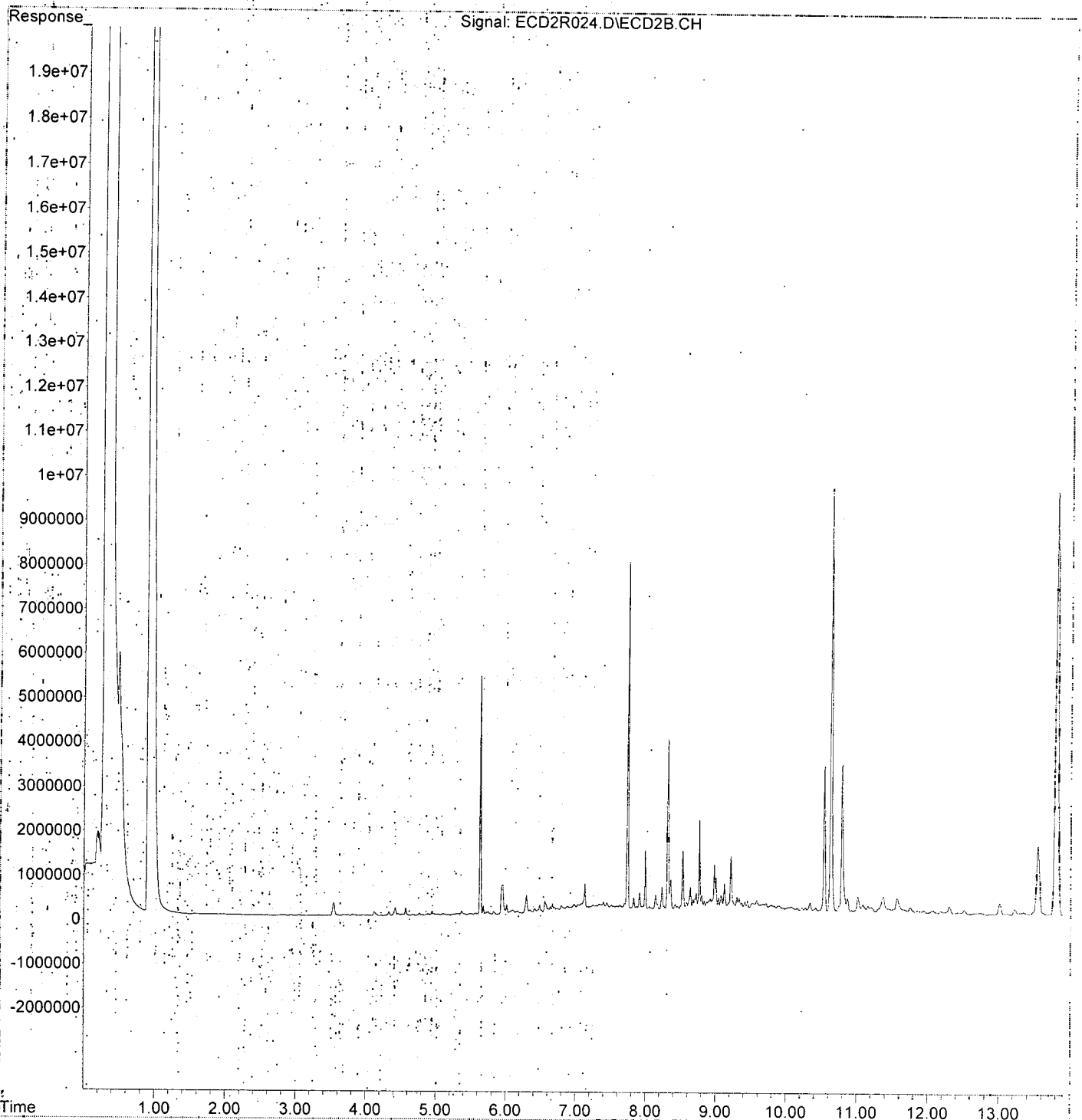
9.365min: 9.390 ng/ml/m

response: 211430

MJB 3/2/20

Data Path : K:\DATA\0C02026\
Data File : ECD2R024.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 15:37
Operator : MJB / KAK
Sample : A0B0681-05RE105
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:01:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0C02026\
 Data File : ECD2R026.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 16:12
 Operator : MJB / KAK
 Sample : 0C02026-CCV4
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:34:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 3/2/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.625	53798268	238.440 ng/ml
62) S DCBP (S)	10.533	32694311	293.951 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.295	2798262	452.648 ng/ml
3) Aroclor 1016 (2)	6.786	4858078	424.607 ng/ml
4) Aroclor 1016 (3)	6.913	2137703	399.085 ng/ml
5) Aroclor 1016 (4)	6.998	2378811	481.467 ng/ml
6) Aroclor 1016 (5)	7.043	2645519	477.055 ng/ml
7) Aroclor 1016 (6)	7.168	2717723	475.744 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.799	210793	121.318 ng/ml
10) Aroclor 1221 (2)	5.873	376162	219.084 ng/ml
11) Aroclor 1221 (3)	5.960	1676358	293.737 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.960	1676358	366.818 ng/ml
14) Aroclor 1232 (2)	6.295	2798262	1075.124 ng/ml
15) Aroclor 1232 (3)	6.786	4858078	993.074 ng/ml
16) Aroclor 1232 (4)	6.998	2378811	1406.052 ng/ml
17) Aroclor 1232 (5)	7.043	2645519	1271.368 ng/ml
18) Aroclor 1232 (6)	7.168	2717723	1252.594 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.295	2798262	615.499 ng/ml
21) Aroclor 1242 (2)	6.786	4858078	550.650 ng/ml
22) Aroclor 1242 (3)	6.913	2137703	558.122 ng/ml
23) Aroclor 1242 (4)	6.998	2378811	720.068 ng/ml
24) Aroclor 1242 (5)	7.043	2645519	662.385 ng/ml
25) Aroclor 1242 (6)	7.168	2717723	651.605 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.759	4279650	829.064 ng/ml
28) Aroclor 1248 (2)	6.998	2378811	374.065 ng/ml
29) Aroclor 1248 (3)	7.043	2645519	445.691 ng/ml
30) Aroclor 1248 (4)	7.168	2717723	372.520 ng/ml
31) Aroclor 1248 (5)	7.533	580989	65.267 ng/ml
32) Aroclor 1248 (6)	7.691	2178411	267.578 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.510	1859369	219.424 ng/ml
35) Aroclor 1254 (2)	7.691	2178411	156.609 ng/ml
36) Aroclor 1254 (3)	8.002	1307263	86.150 ng/ml
37) Aroclor 1254 (4)	8.241	868370	79.547 ng/ml
38) Aroclor 1254 (5)	8.574	6991727	621.561 ng/ml
39) Aroclor 1254 (6)	8.820	5130046	1454.432 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.136	5457070	518.346 ng/ml
42) Aroclor 1260 (2)	8.342	6964865	545.731 ng/ml
43) Aroclor 1260 (3)	8.574	6991727	527.233 ng/ml
44) Aroclor 1260 (4)	9.057	11886494	561.943 ng/ml
45) Aroclor 1260 (5)	9.314	6890866	563.222 ng/ml
46) Aroclor 1260 (6)	9.877	2783016	570.295 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R026.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 16:12
 Operator : MJB / KAK
 Sample : 0C02026-CCV4
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:34:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.342	6964865	658.822 ng/ml
49) Aroclor 1262 (2)	8.642	5053522	330.782 ng/ml
50) Aroclor 1262 (3)	8.820	5130046	400.653 ng/ml
51) Aroclor 1262 (4)	9.057	11886494	431.850 ng/ml
52) Aroclor 1262 (5)	9.314	6890866	419.674 ng/ml
53) Aroclor 1262 (6)	9.877	2783016	386.501 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.860	392247	62.939 ng/ml
56) Aroclor 1268 (2)	9.314	6890866	248.172 ng/ml
57) Aroclor 1268 (3)	9.377	2675328	118.817 ng/ml
58) Aroclor 1268 (4)	9.592	284515	14.777 ng/ml
59) Aroclor 1268 (5)	9.877	2783016	355.740 ng/ml
60) Aroclor 1268 (6)	10.225	784771	15.505 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

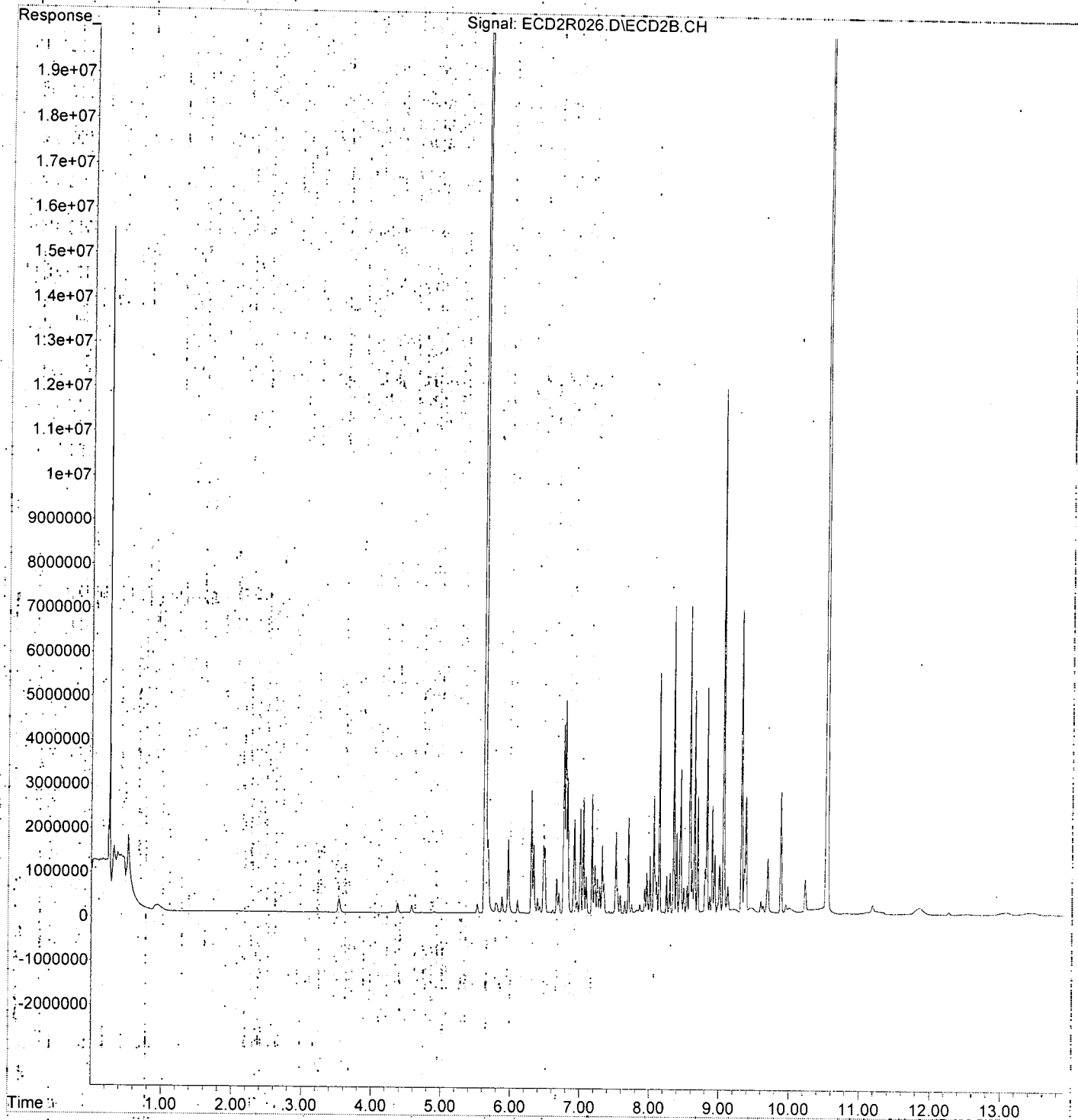
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
Data File : ECD2R026.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 16:12
Operator : MJB / KAK
Sample : 0C02026-CCV4
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:34:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R027.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 16:29
 Operator : MJB / KAK
 Sample : 0C02026-CCB4
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:51:04 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 3/2/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.625	19925700	88.313 ng/ml
62) S DCBP (S)	10.536	11919050	107.163 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.297	2159	0.349 ng/ml
3) Aroclor 1016 (2)	6.783	2259	0.197 ng/ml
4) Aroclor 1016 (3)	6.910	2707	0.505 ng/ml
5) Aroclor 1016 (4)	7.002	3071	0.621 ng/ml
6) Aroclor 1016 (5)	7.053	3187	0.575 ng/ml
7) Aroclor 1016 (6)	7.176	2309	0.404 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.815	9509	5.473 ng/ml
10) Aroclor 1221 (2)	5.880	6183	3.601 ng/ml
11) Aroclor 1221 (3)	5.945	30925	5.419 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.945	30925	6.767 ng/ml
14) Aroclor 1232 (2)	6.297	2159	0.829 ng/ml
15) Aroclor 1232 (3)	6.783	2259	0.462 ng/ml
16) Aroclor 1232 (4)	7.002	3071	1.815 ng/ml
17) Aroclor 1232 (5)	7.042	2941	1.413 ng/ml
18) Aroclor 1232 (6)	7.169	2217	1.022 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.297	2159	0.475 ng/ml
21) Aroclor 1242 (2)	6.783	2259	0.256 ng/ml
22) Aroclor 1242 (3)	6.910	2707	0.707 ng/ml
23) Aroclor 1242 (4)	7.002	3071	0.929 ng/ml
24) Aroclor 1242 (5)	7.042	2941	0.736 ng/ml
25) Aroclor 1242 (6)	7.176	2309	0.554 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.766	3152	0.611 ng/ml
28) Aroclor 1248 (2)	7.002	3071	0.483 ng/ml
29) Aroclor 1248 (3)	7.042	2941	0.495 ng/ml
30) Aroclor 1248 (4)	7.176	2309	0.316 ng/ml
31) Aroclor 1248 (5)	7.537	2839	0.319 ng/ml
32) Aroclor 1248 (6)	7.696	1375	0.169 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.511	3441	0.406 ng/ml
35) Aroclor 1254 (2)	7.696	1375	0.099 ng/ml
36) Aroclor 1254 (3)	7.963f	16744	1.103 ng/ml
37) Aroclor 1254 (4)	8.247	30765	2.818 ng/ml
38) Aroclor 1254 (5)	8.548	28192	2.506 ng/ml
39) Aroclor 1254 (6)	8.818	42701	12.106 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.162	42445	4.032 ng/ml
42) Aroclor 1260 (2)	8.296f	34335	2.690 ng/ml
43) Aroclor 1260 (3)	8.613	28289	2.133 ng/ml
44) Aroclor 1260 (4)	9.093	20228	0.956 ng/ml
45) Aroclor 1260 (5)	9.325	40051	3.274 ng/ml
46) Aroclor 1260 (6)	9.900	181298	37.152 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
 Data File : ECD2R027.D
 Signal(s) : ECD2B.CH
 Acq On : 02 Mar 2020 16:29
 Operator : MJB / KAK
 Sample : 0C02026-CCB4
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Mar 02 16:51:04 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.296f	34335	3.248 ng/ml
49) Aroclor 1262 (2)	8.644	26881	1.760 ng/ml
50) Aroclor 1262 (3)	8.818	42701	3.335 ng/ml
51) Aroclor 1262 (4)	9.038	31996	1.162 ng/ml
52) Aroclor 1262 (5)	9.325	40051	2.439 ng/ml
53) Aroclor 1262 (6)	9.900	181298	25.178 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.818f	42701	6.852 ng/ml
56) Aroclor 1268 (2)	9.325	40051	1.442 ng/ml
57) Aroclor 1268 (3)	9.377	43357	1.926 ng/ml
58) Aroclor 1268 (4)	9.595	162363	8.433 ng/ml
59) Aroclor 1268 (5)	9.900	181298	23.175 ng/ml
60) Aroclor 1268 (6)	10.229	156728	3.096 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

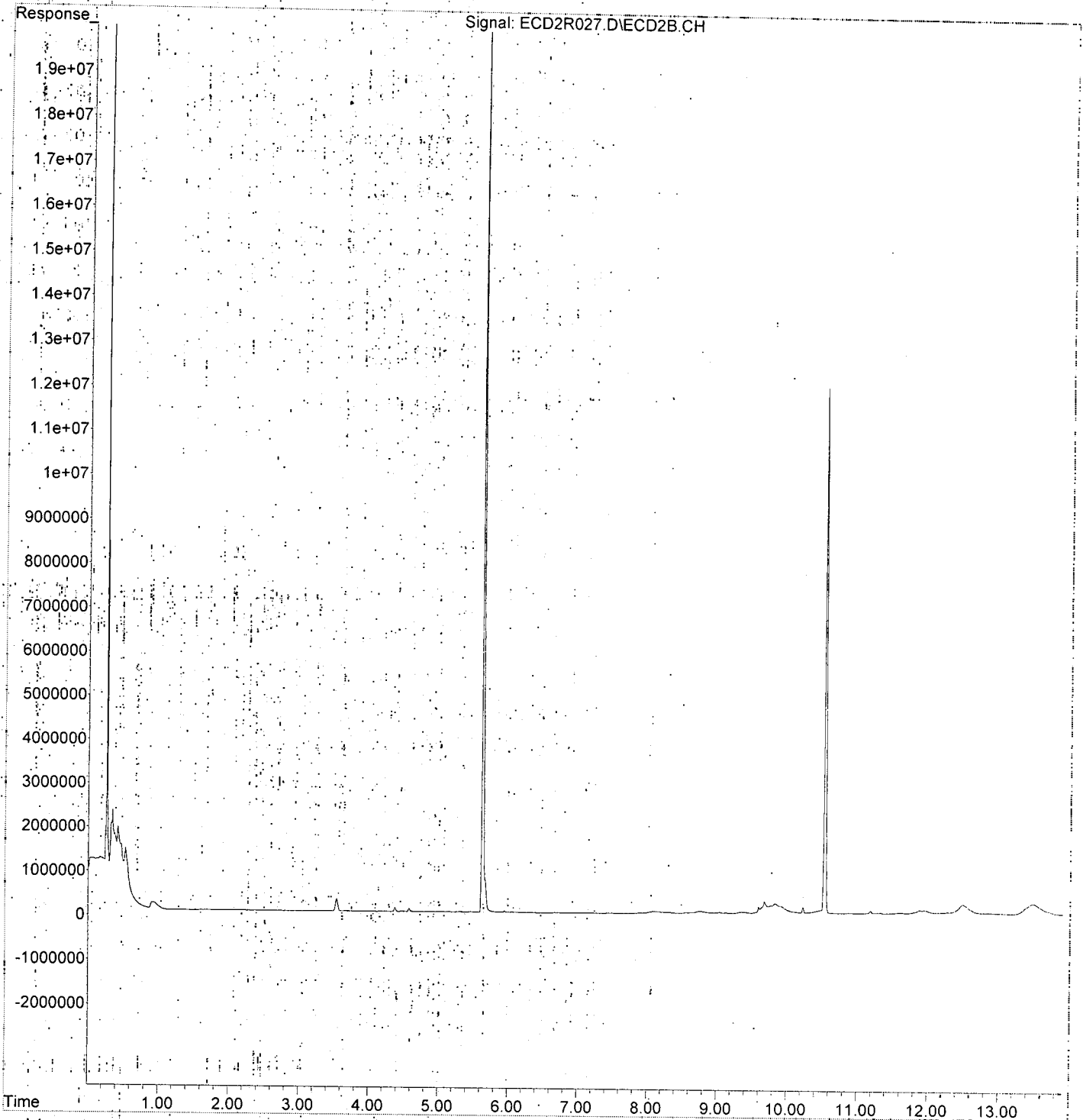
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C02026\
Data File : ECD2R027.D
Signal(s) : ECD2B.CH
Acq On : 02 Mar 2020 16:29
Operator : MJB / KAK
Sample : 0C02026-CCB4
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Mar 02 16:51:04 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0A13050 (Cal ID A0A1501) DUALECD2R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A13050**

Instrument: **DUALECD2R**

Date: **01/13/20 16:03**

Calibration: **A0A1501**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A13050-ICB1	Water	QC	QC				A19L339
2	0A13050-CAL1	Water	QC	QC				A19L280
3	0A13050-CAL2	Water	QC	QC				A19L281
4	0A13050-CAL3	Water	QC	QC				A19L282
5	0A13050-CAL4	Water	QC	QC				A19L283
6	0A13050-CAL5	Water	QC	QC				A19L276
7	0A13050-CAL6	Water	QC	QC				A19L278
8	0A13050-CAL7	Water	QC	QC				A19L279
9	0A13050-IBL1	Water	QC	QC				
10	0A13050-ICV1	Water	QC	QC				A19H459
11	0A13050-CAL8	Water	QC	QC				A19H447
12	0A13050-CAL9	Water	QC	QC				A19H448
13	0A13050-CALA	Water	QC	QC				A19H449
14	0A13050-CALB	Water	QC	QC				A19H450
15	0A13050-CALC	Water	QC	QC				A19H451
16	0A13050-CALD	Water	QC	QC				A19H452
17	0A13050-CALE	Water	QC	QC				A19H453
18	0A13050-ICV2	Water	QC	QC				A19H405
19	0A13050-ICV3	Water	QC	QC				A19J367
20	0A13050-ICV4	Water	QC	QC				A19H406
21	0A13050-ICV5	Water	QC	QC				A19L037

Data Entered By: MC 1/15/20

Comments:

Data Reviewed By: MC 1/16/2020

Calibration Status Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 2020
 Response Via : Initial Calibration

AOA1501

[Signature]
 1/15/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0A13050\ECD2R005.D
2	2	25	0	K:\DATA\0A13050\ECD2R006.D
3	3	50	0	K:\DATA\0A13050\ECD2R007.D
4	4	100	0	K:\DATA\0A13050\ECD2R008.D
5	5	250	0	K:\DATA\0A13050\ECD2R020.D
6	6	500	0	K:\DATA\0A13050\ECD2R010.D
7	7	800	0	K:\DATA\0A13050\ECD2R011.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jan 14 09:33 2020	Jan 14 08:56 2020	13 Jan 2020 17:33
2	2	Jan 14 09:33 2020	Jan 14 09:03 2020	13 Jan 2020 17:50
3	3	Jan 14 09:34 2020	Jan 14 09:04 2020	13 Jan 2020 18:08
4	4	Jan 14 09:34 2020	Jan 14 09:05 2020	13 Jan 2020 18:25
5	5	Jan 14 09:35 2020	Jan 14 09:32 2020	13 Jan 2020 21:57
6	6	Jan 14 09:34 2020	Jan 14 09:06 2020	13 Jan 2020 19:01
7	7	Jan 14 09:34 2020	Jan 14 09:07 2020	13 Jan 2020 19:18

RECD2_QUANTPCB_200113.M Tue Jan 14 11:44:09 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2R005.D 2 =ECD2R006.D 3 =ECD2R007.D
 4 =ECD2R008.D 5 =ECD2R020.D 6 =ECD2R010.D

[Handwritten Signature]
 1/15/20

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	2.096	2.125	2.217	2.268	2.155	2.497	2.256	E5 6.90
2) Aroclor 1016 ...	7.264	6.876	6.397	5.954	5.672	5.624	6.182	E3 11.06 ✓
3) Aroclor 1016 ...	1.247	1.196	1.143	1.167	1.097	1.103	1.144	E4 5.70 ✓
4) Aroclor 1016 ...	5.802	5.801	5.370	5.336	5.078	5.146	5.357	E3 6.26 ✓
5) Aroclor 1016 ...	5.870	5.571	5.194	4.910	4.407	4.339	4.941	E3 12.78 ✓
6) Aroclor 1016 ...	6.569	6.159	5.693	5.382	5.074	5.224	5.546	E3 11.60 ✓
7) Aroclor 1016 (6)	6.761	6.310	5.881	5.800	5.148	5.150	5.713	E3 11.80 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.738		1.738	E3 0.00
10) Aroclor 1221 (2)					1.717		1.717	E3 0.00
11) Aroclor 1221 (3)					5.707		5.707	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					4.570		4.570	E3 0.00
14) Aroclor 1232 (2)					2.603		2.603	E3 0.00
15) Aroclor 1232 (3)					4.892		4.892	E3 0.00
16) Aroclor 1232 (4)					1.692		1.692	E3 0.00
17) Aroclor 1232 (5)					2.081		2.081	E3 0.00
18) Aroclor 1232 (6)					2.170		2.170	E3 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					4.546		4.546	E3 0.00
21) Aroclor 1242 ...					8.822		8.822	E3 0.00
22) Aroclor 1242 ...					3.830		3.830	E3 0.00
23) Aroclor 1242 ...					3.304		3.304	E3 0.00
24) Aroclor 1242 ...					3.994		3.994	E3 0.00
25) Aroclor 1242 (6)					4.171		4.171	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					5.162		5.162	E3 0.00
28) Aroclor 1248 ...					6.359		6.359	E3 0.00
29) Aroclor 1248 ...					5.936		5.936	E3 0.00
30) Aroclor 1248 ...					7.296		7.296	E3 0.00
31) Aroclor 1248 ...					8.902		8.902	E3 0.00
32) Aroclor 1248 (6)					8.141		8.141	E3 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					8.474		8.474	E3 0.00
35) Aroclor 1254 ...					1.391		1.391	E4 0.00
36) Aroclor 1254 ...					1.517		1.517	E4 0.00
37) Aroclor 1254 ...					1.092		1.092	E4 0.00
38) Aroclor 1254 ...					1.125		1.125	E4 0.00
39) Aroclor 1254 (6)					3.527		3.527	E3 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	1.182	1.082	1.060	1.047	1.016	1.012	1.053	E4 6.43 ✓
42) Aroclor 1260 ...	1.405	1.313	1.321	1.256	1.230	1.230	1.276	E4 5.91 ✓
43) Aroclor 1260 (3)	1.412	1.348	1.327	1.372	1.308	1.296	1.326	E4 4.63 ✓
44) Aroclor 1260 (4)	2.073	2.096	2.051	2.126	2.099	2.189	2.115	E4 2.39 ✓
45) Aroclor 1260 (5)	1.290	1.217	1.220	1.236	1.214	1.207	1.223	E4 2.75 ✓
46) Aroclor 1260 (6)	5.119	5.238	4.789	5.045	4.784	4.595	4.880	E3 5.26 ✓
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					1.057		1.057	E4 0.00
49) Aroclor 1262 (2)					1.528		1.528	E4 0.00
50) Aroclor 1262 (3)					1.280		1.280	E4 0.00
51) Aroclor 1262 (4)					2.752		2.752	E4 0.00
52) Aroclor 1262 (5)					1.642		1.642	E4 0.00
53) Aroclor 1262 (6)					7.201		7.201	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					6.232		6.232	E3 0.00
56) Aroclor 1268 (2)					2.777		2.777	E4 0.00
57) Aroclor 1268 (3)					2.252		2.252	E4 0.00
58) Aroclor 1268 (4)					1.925		1.925	E4 0.00
59) Aroclor 1268 (5)					7.823		7.823	E3 0.00
60) Aroclor 1268 (6)					5.062		5.062	E4 0.00

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 2020
 Response Via : Initial Calibration

Calibration Files

1	=ECD2R005.D	2	=ECD2R006.D	3	=ECD2R007.D
4	=ECD2R008.D	5	=ECD2R020.D	6	=ECD2R010.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	1.071	1.102	1.079	1.089	1.009	1.172	1.112 E5	7.40 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 2020
 Response Via : Initial Calibration

Total Cpnds : 62

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 1/15/20

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.629	1.000	A	H	R
2	Aroclor 1016 (1)	6.300	1.000	A	H	R
3	Aroclor 1016 (2)	6.789	1.000	A	H	R
4	Aroclor 1016 (3)	6.916	1.000	A	H	R
5	Aroclor 1016 (4)	7.003	1.000	A	H	R
6	Aroclor 1016 (5)	7.048	1.000	A	H	R
7	Aroclor 1016 (6)	7.173	1.000	A	H	R
8	Aroclor 1016 - AVE	1.729	1.000	A	H	R
9	Aroclor 1221 (1)	5.806	1.000	A	H	R
10	Aroclor 1221 (2)	5.878	1.000	A	H	R
11	Aroclor 1221 (3)	5.965	1.000	A	H	R
12	Aroclor 1221 - AVE	1.729	1.000	A	H	R
13	Aroclor 1232 (1)	5.963	1.000	A	H	R
14	Aroclor 1232 (2)	6.298	1.000	A	H	R
15	Aroclor 1232 (3)	6.789	1.000	A	H	R
16	Aroclor 1232 (4)	7.002	1.000	A	H	R
17	Aroclor 1232 (5)	7.047	1.000	A	H	R
18	Aroclor 1232 (6)	7.172	1.000	A	H	R
19	Aroclor 1232 - AVE	1.729	1.000	A	H	R
20	Aroclor 1242 (1)	6.299	1.000	A	H	R
21	Aroclor 1242 (2)	6.788	1.000	A	H	R
22	Aroclor 1242 (3)	6.916	1.000	A	H	R
23	Aroclor 1242 (4)	7.003	1.000	A	H	R
24	Aroclor 1242 (5)	7.047	1.000	A	H	R
25	Aroclor 1242 (6)	7.172	1.000	A	H	R
26	Aroclor 1242 - AVE	1.729	1.000	A	H	R
27	Aroclor 1248 (1)	6.761	1.000	A	H	R
28	Aroclor 1248 (2)	7.003	1.000	A	H	R
29	Aroclor 1248 (3)	7.047	1.000	A	H	R
30	Aroclor 1248 (4)	7.172	1.000	A	H	R
31	Aroclor 1248 (5)	7.538	1.000	A	H	R
32	Aroclor 1248 (6)	7.695	1.000	A	H	R
33	Aroclor 1248 - AVE	1.729	1.000	A	H	R
34	Aroclor 1254 (1)	7.515	1.000	A	H	R
35	Aroclor 1254 (2)	7.696	1.000	A	H	R
36	Aroclor 1254 (3)	8.006	1.000	A	H	R
37	Aroclor 1254 (4)	8.246	1.000	A	H	R
38	Aroclor 1254 (5)	8.580	1.000	A	H	R
39	Aroclor 1254 (6)	8.810	1.000	A	H	R
40	Aroclor 1254 - AVE	1.729	1.000	A	H	R
41	Aroclor 1260 (1)	8.144	1.000	A	H	R
42	Aroclor 1260 (2)	8.350	1.000	A	H	R
43	Aroclor 1260 (3)	8.582	1.000	A	H	R
44	Aroclor 1260 (4)	9.066	1.000	A	H	R
45	Aroclor 1260 (5)	9.324	1.000	A	H	R
46	Aroclor 1260 (6)	9.890	1.000	A	H	R
47	Aroclor 1260 - AVE	1.729	1.000	A	H	R
48	Aroclor 1262 (1)	8.349	1.000	A	H	R
49	Aroclor 1262 (2)	8.650	1.000	A	H	R
50	Aroclor 1262 (3)	8.828	1.000	A	H	R
51	Aroclor 1262 (4)	9.065	1.000	A	H	R
52	Aroclor 1262 (5)	9.324	1.000	A	H	R
53	Aroclor 1262 (6)	9.888	1.000	A	H	R
54	Aroclor 1262 - AVE	1.729	1.000	A	H	R
55	Aroclor 1268 (1)	8.867	1.000	A	H	R
56	Aroclor 1268 (2)	9.324	1.000	A	H	R

57	Aroclor 1268 (3)	9.390	1.000	A	H	R
58	Aroclor 1268 (4)	9.601	1.000	A	H	R
59	Aroclor 1268 (5)	9.888	1.000	A	H	R
60	Aroclor 1268 (6)	10.237	1.000	A	H	R
61	Aroclor 1268 - AVE	1.728	1.000	A	H	R
62	S DCBP (S)	10.552	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

RECD2_QUANTPCB_200113.M Tue Jan 14 11:43:59 2020

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

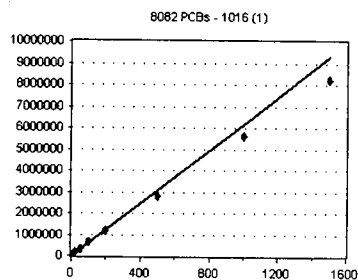
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

1016 (1)

Curve Fit: **AVERAGE RF**

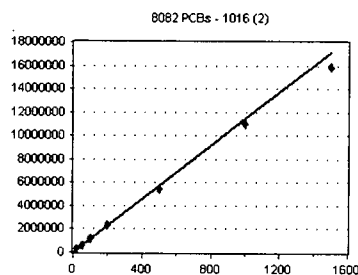


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	145279	7263.950	6.30
0A13050-CAL2	50	343821	6876.420	6.30
0A13050-CAL3	100	639728	6397.280	6.30
0A13050-CAL4	200	1190843	5954.215	6.30
0A13050-CAL5	500	2835860	5671.720	6.30
0A13050-CAL6	1000	5624087	5624.087	6.30
0A13050-CAL7	1500	8229290	5486.193	6.30

AVE RF 6181.981 RF RSD 11.06 AVE RT 6.30

1016 (2)

Curve Fit: **AVERAGE RF**

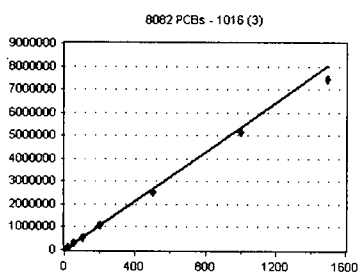


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	249458	12472.900	6.79
0A13050-CAL2	50	597996	11959.920	6.79
0A13050-CAL3	100	1142660	11426.600	6.79
0A13050-CAL4	200	2334544	11672.720	6.79
0A13050-CAL5	500	5484312	10968.620	6.79
0A13050-CAL6	1000	102544E+07	11025.440	6.79
0A13050-CAL7	1500	584486E+07	10563.240	6.79

AVE RF 11441.350 RF RSD 5.70 AVE RT 6.79

1016 (3)

Curve Fit: **AVERAGE RF**

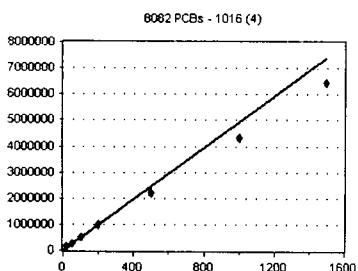


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	116035	5801.750	6.92
0A13050-CAL2	50	290069	5801.380	6.92
0A13050-CAL3	100	536991	5369.910	6.92
0A13050-CAL4	200	1067264	5336.320	6.92
0A13050-CAL5	500	2538905	5077.810	6.92
0A13050-CAL6	1000	5145954	5145.954	6.92
0A13050-CAL7	1500	7443643	4962.429	6.92

AVE RF 5356.508 RF RSD 6.26 AVE RT 6.92

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	117409	5870.450	7.00
0A13050-CAL2	50	278534	5570.680	7.00
0A13050-CAL3	100	519409	5194.090	7.00
0A13050-CAL4	200	981904	4909.520	7.00
0A13050-CAL5	500	2203390	4406.780	7.00
0A13050-CAL6	1000	4338878	4338.878	7.00
0A13050-CAL7	1500	6442401	4294.934	7.00

AVE RF 4940.762 RF RSD 12.78 AVE RT 7.00

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

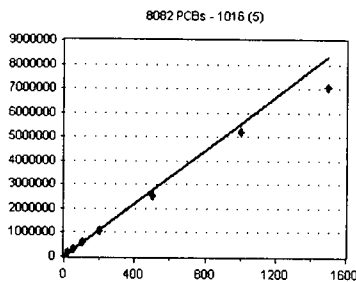
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

1016 (5)

Curve Fit: **AVERAGE RF**

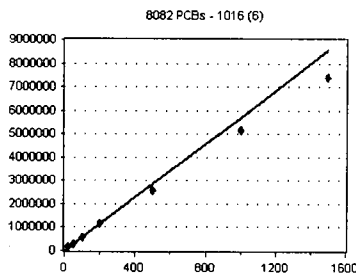


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	131375	6568.750	7.05
0A13050-CAL2	50	307931	6158.620	7.05
0A13050-CAL3	100	569313	5693.130	7.05
0A13050-CAL4	200	1076394	5381.970	7.05
0A13050-CAL5	500	2536989	5073.978	7.05
0A13050-CAL6	1000	5224293	5224.293	7.05
0A13050-CAL7	1500	7076827	4717.885	7.05

AVE RF 5545.518 RF RSD 11.60 AVE RT 7.05

1016 (6)

Curve Fit: **AVERAGE RF**

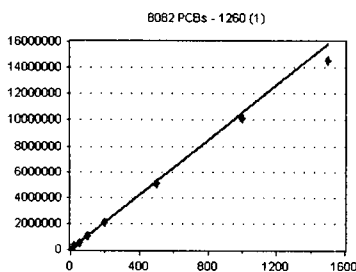


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	135212	6760.600	7.17
0A13050-CAL2	50	315508	6310.160	7.17
0A13050-CAL3	100	588135	5881.350	7.17
0A13050-CAL4	200	1160064	5800.320	7.17
0A13050-CAL5	500	2573883	5147.766	7.17
0A13050-CAL6	1000	5149713	5149.713	7.17
0A13050-CAL7	1500	7407214	4938.143	7.17

AVE RF 5712.579 RF RSD 11.80 AVE RT 7.17

1260 (1)

Curve Fit: **AVERAGE RF**

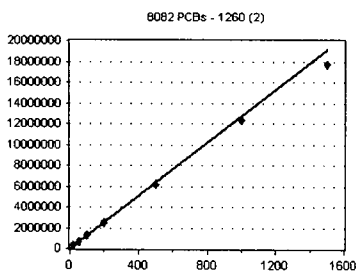


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	236430	11821.500	8.14
0A13050-CAL2	50	540959	10819.180	8.14
0A13050-CAL3	100	1060465	10604.650	8.14
0A13050-CAL4	200	2093221	10466.110	8.14
0A13050-CAL5	500	5080914	10161.830	8.14
0A13050-CAL6	1000	012309E+07	10123.090	8.14
0A13050-CAL7	1500	454805E+07	9698.700	8.14

AVE RF 10527.860 RF RSD 6.43 AVE RT 8.14

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	280991	14049.550	8.35
0A13050-CAL2	50	656411	13128.220	8.35
0A13050-CAL3	100	1321460	13214.600	8.35
0A13050-CAL4	200	2511397	12556.990	8.35
0A13050-CAL5	500	6152313	12304.630	8.35
0A13050-CAL6	1000	229876E+07	12298.760	8.35
0A13050-CAL7	1500	767673E+07	11784.490	8.35

AVE RF 12762.460 RF RSD 5.91 AVE RT 8.35

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

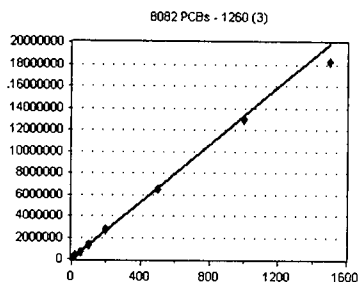
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

1260 (3)

Curve Fit: **AVERAGE RF**

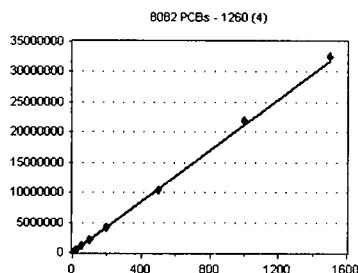


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	282360	14118.000	8.58
0A13050-CAL2	50	674172	13483.440	8.58
0A13050-CAL3	100	1327338	13273.380	8.58
0A13050-CAL4	200	2744238	13721.190	8.58
0A13050-CAL5	500	6540031	13080.060	8.58
0A13050-CAL6	1000	296167E+07	12961.670	8.58
0A13050-CAL7	1500	828554E+07	12190.360	8.58

AVE RF 13261.160 **RF RSD** 4.63 **AVE RT** 8.58

1260 (4)

Curve Fit: **AVERAGE RF**

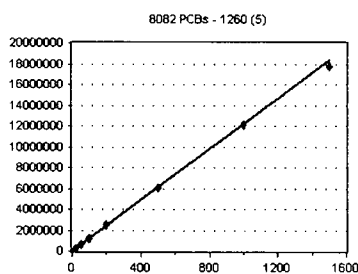


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	414593	20729.650	9.07
0A13050-CAL2	50	1047953	20959.060	9.07
0A13050-CAL3	100	2051063	20510.630	9.07
0A13050-CAL4	200	4251874	21259.370	9.07
0A13050-CAL5	500	049673E+07	20993.460	9.07
0A13050-CAL6	1000	188659E+07	21886.590	9.07
0A13050-CAL7	1500	259284E+07	21728.560	9.07

AVE RF 21152.470 **RF RSD** 2.39 **AVE RT** 9.07

1260 (5)

Curve Fit: **AVERAGE RF**

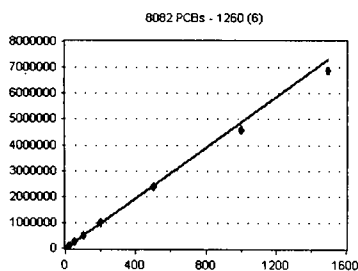


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	257901	12895.050	9.33
0A13050-CAL2	50	608364	12167.280	9.33
0A13050-CAL3	100	1220407	12204.070	9.33
0A13050-CAL4	200	2471890	12359.450	9.33
0A13050-CAL5	500	6070844	12141.690	9.33
0A13050-CAL6	1000	207436E+07	12074.360	9.33
0A13050-CAL7	1500	770177E+07	11801.180	9.33

AVE RF 12234.730 **RF RSD** 2.75 **AVE RT** 9.33

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	102375	5118.750	9.89
0A13050-CAL2	50	261903	5238.060	9.89
0A13050-CAL3	100	478851	4788.510	9.89
0A13050-CAL4	200	1008936	5044.680	9.89
0A13050-CAL5	500	2392226	4784.452	9.89
0A13050-CAL6	1000	4594659	4594.659	9.89
0A13050-CAL7	1500	6885880	4590.586	9.89

AVE RF 4879.957 **RF RSD** 5.26 **AVE RT** 9.89

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

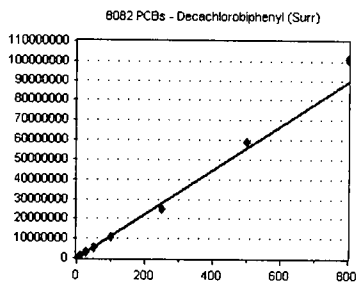
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0A13050-CAL1	10	1070638	107063.800	10.55
0A13050-CAL2	25	2755983	110239.300	10.55
0A13050-CAL3	50	5396453	107929.100	10.55
0A13050-CAL4	100	089172E+07	108917.200	10.55
0A13050-CAL5	250	521832E+07	100873.300	10.55
0A13050-CAL6	500	859571E+07	117191.400	10.55
0A13050-CAL7	800	010814E+08	126351.800	10.55

AVE RF **111223.700** RF RSD **7.40** AVE RT **10.55**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A13050

Analysis Included

1311/8082 TCLP PCBs
 608 PCBs
 608 PCBs - LL (1000/1mL) +1262/68
 8082 PCBs
 8082 PCBs - Low Level (2mL FV)
 8082 PCBs - Low Level (2mL FV) +1262/68
 8082 PCBs - Low Level (1000/1mL)
 8082 PCBs - Low Level (1000/1mL) +1262/68
 8082 PCBs - Low Level (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0A13050-ICB1	Initial Cal Blank	Water	A19L339		1/13/2020 5:15:00PM
0A13050-CAL1	Cal Standard	Water	A19L280	"	1/13/2020 5:33:00PM
0A13050-CAL2	Cal Standard	Water	A19L281	"	1/13/2020 5:50:00PM
0A13050-CAL3	Cal Standard	Water	A19L282	"	1/13/2020 6:08:00PM
0A13050-CAL4	Cal Standard	Water	A19L283	"	1/13/2020 6:25:00PM
0A13050-CAL5	Cal Standard	Water	A19L276	"	1/13/2020 6:43:00PM
0A13050-CAL6	Cal Standard	Water	A19L278	"	1/13/2020 7:01:00PM
0A13050-CAL7	Cal Standard	Water	A19L279	"	1/13/2020 7:18:00PM
0A13050-ICV1	Initial Cal Check	Water	A19H459	"	1/13/2020 7:54:00PM
0A13050-CAL8	Cal Standard	Water	A19H447	"	1/13/2020 8:11:00PM
0A13050-CAL9	Cal Standard	Water	A19H448	"	1/13/2020 8:29:00PM
0A13050-CALA	Cal Standard	Water	A19H449	"	1/13/2020 8:46:00PM
0A13050-CALB	Cal Standard	Water	A19H450	"	1/13/2020 9:04:00PM
0A13050-CALC	Cal Standard	Water	A19H451	"	1/13/2020 9:22:00PM
0A13050-CALD	Cal Standard	Water	A19H452	"	1/13/2020 9:39:00PM
0A13050-CALE	Cal Standard	Water	A19H453	"	1/13/2020 9:57:00PM
0A13050-ICV2	Initial Cal Check	Water	A19H405	"	1/13/2020 10:15:00PM
0A13050-ICV3	Initial Cal Check	Water	A19J367	"	1/13/2020 10:32:00PM
0A13050-ICV4	Initial Cal Check	Water	A19H406	"	1/13/2020 10:50:00PM
0A13050-ICV5	Initial Cal Check	Water	A19L037	"	1/14/2020 8:02:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0A1501 Instrument: DUALECD2R

1311/8082 TCLP PCBs Sequence: 0A13050 Matrix: Water

0A13050-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	

0A13050-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A13050

Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
0A13050-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
0A13050-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
0A13050-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
0A13050-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1000	0	
Aroclor 1260	800.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
0A13050-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1500	0	
Aroclor 1260	800.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
0A13050-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1221	0.0000	0.00	500	0	
Aroclor 1221	0.0000	0.00	500	0	
0A13050-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1232	0.0000	0.00	500	0	
Aroclor 1232	0.0000	0.00	500	0	
0A13050-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1242	0.0000	0.00	500	0	
Aroclor 1242	0.0000	0.00	500	0	
0A13050-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1248	0.0000	0.00	500	0	
Aroclor 1248	0.0000	0.00	500	0	
0A13050-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A13050

0A13050-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
Aroclor 1262	0.0000	0.00	500	0	
0A13050-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1268	0.0000	0.00	500	0	
Aroclor 1268	0.0000	0.00	500	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

Analytes With Quadratic Curve Fits

<u>Qualifier</u>	<u>iMDL</u>	<u>iMRL</u>	<u>Spike Amt</u>	<u>%Difference</u>	<u>OK?</u>	<u>Raise MRL to ?</u>
_____				_____	<input type="checkbox"/>	<input type="checkbox"/> _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0A1501** Instrument: **DUALECD2R**

608 PCBs - LL (1000/1mL) +1 Sequence: **0A13050** Matrix: **Water**

0A13050-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Data Path : K:\DATA\0A13050\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:15
 Operator : MJB / KAK
 Sample : 0A13050-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/14/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.630	20489642	90.812 ng/ml
62) S DCBP (S)	10.551	10248760	92.145 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.307	2281	0.369 ng/ml
3) Aroclor 1016 (2)	6.801	10752	0.940 ng/ml
4) Aroclor 1016 (3)	6.911	6858	1.280 ng/ml
5) Aroclor 1016 (4)	7.004	8287	1.677 ng/ml
6) Aroclor 1016 (5)	7.042	8379	1.511 ng/ml
7) Aroclor 1016 (6)	7.167	10112	1.770 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.806	6155	3.543 ng/ml
10) Aroclor 1221 (2)	5.880	2591	1.509 ng/ml
11) Aroclor 1221 (3)	5.949	32038	5.614 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.949	32038	7.010 ng/ml
14) Aroclor 1232 (2)	6.307	2281	0.877 ng/ml
15) Aroclor 1232 (3)	6.801	10752	2.198 ng/ml
16) Aroclor 1232 (4)	7.004	8287	4.898 ng/ml
17) Aroclor 1232 (5)	7.042	8379	4.027 ng/ml
18) Aroclor 1232 (6)	7.167	10112	4.661 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.307	2281	0.502 ng/ml
21) Aroclor 1242 (2)	6.801	10752	1.219 ng/ml
22) Aroclor 1242 (3)	6.911	6858	1.791 ng/ml
23) Aroclor 1242 (4)	7.004	8287	2.509 ng/ml
24) Aroclor 1242 (5)	7.042	8379	2.098 ng/ml
25) Aroclor 1242 (6)	7.167	10112	2.425 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.756	5790	1.122 ng/ml
28) Aroclor 1248 (2)	7.004	8287	1.303 ng/ml
29) Aroclor 1248 (3)	7.042	8379	1.412 ng/ml
30) Aroclor 1248 (4)	7.167	10112	1.386 ng/ml
31) Aroclor 1248 (5)	7.538	44690	5.020 ng/ml
32) Aroclor 1248 (6)	7.679	43107	5.295 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.495	12470	1.472 ng/ml
35) Aroclor 1254 (2)	7.679	43107	3.099 ng/ml
36) Aroclor 1254 (3)	8.002	12574	0.829 ng/ml
37) Aroclor 1254 (4)	8.266	37477	3.433 ng/ml
38) Aroclor 1254 (5)	8.581	4733	0.421 ng/ml
39) Aroclor 1254 (6)	8.814	1031	0.292 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	11404	1.083 ng/ml
42) Aroclor 1260 (2)	8.351	8866	0.695 ng/ml
43) Aroclor 1260 (3)	8.581	4733	0.357 ng/ml
44) Aroclor 1260 (4)	9.066	3813	0.180 ng/ml
45) Aroclor 1260 (5)	9.322	4847	0.396 ng/ml
46) Aroclor 1260 (6)	9.899	14949	3.063 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:15
 Operator : MJB / KAK
 Sample : 0A13050-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

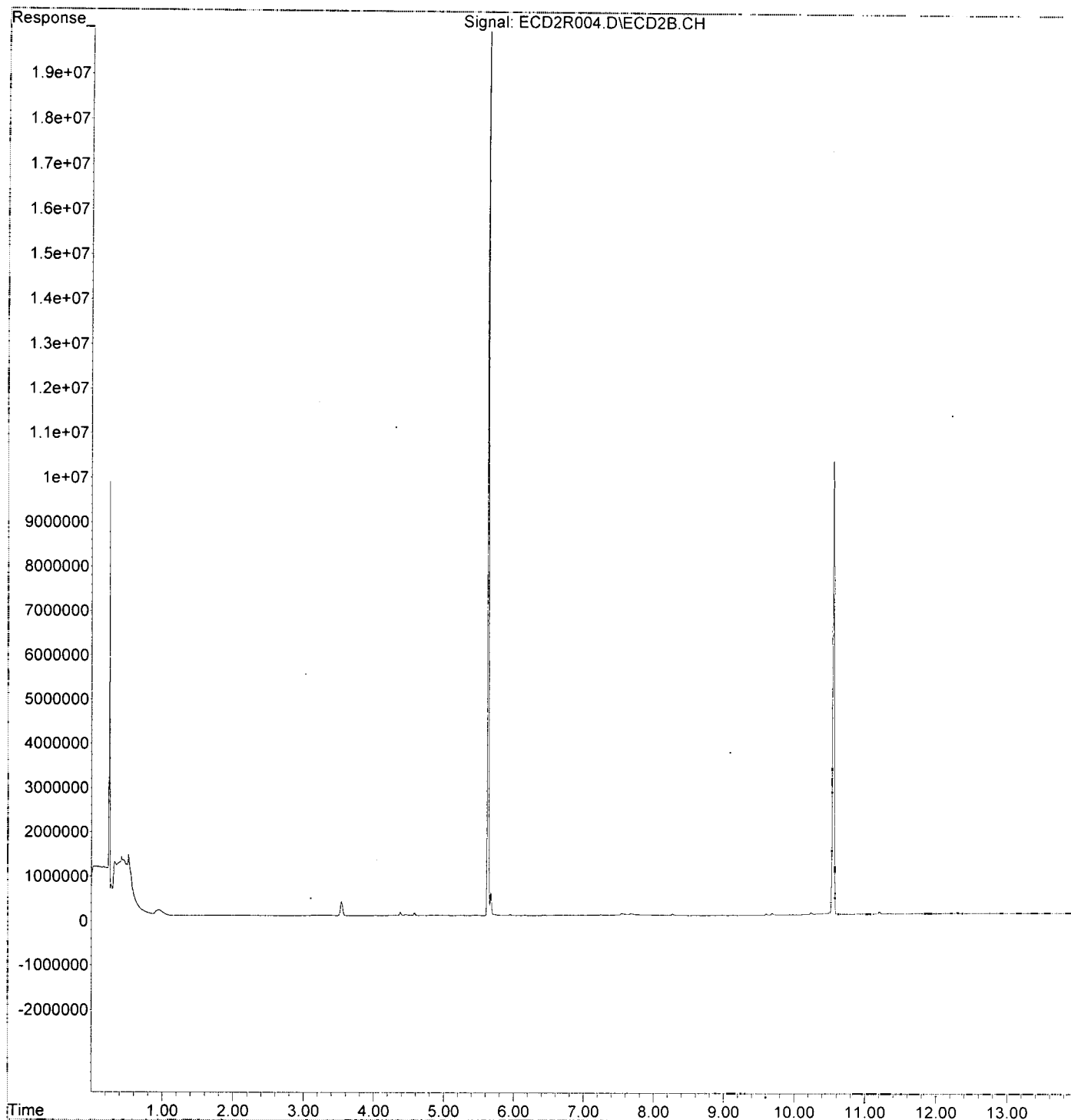
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.351	8866	0.839 ng/ml
49) Aroclor 1262 (2)	8.652	2754	0.180 ng/ml
50) Aroclor 1262 (3)	8.829	2251	0.176 ng/ml
51) Aroclor 1262 (4)	9.066	3813	0.139 ng/ml
52) Aroclor 1262 (5)	9.322	4847	0.295 ng/ml
53) Aroclor 1262 (6)	9.899	14949	2.076 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.867	1260	0.202 ng/ml
56) Aroclor 1268 (2)	9.322	4847	0.175 ng/ml
57) Aroclor 1268 (3)	9.393	5166	0.229 ng/ml
58) Aroclor 1268 (4)	9.605	45322	2.354 ng/ml
59) Aroclor 1268 (5)	9.899	14949	1.911 ng/ml
60) Aroclor 1268 (6)	10.242	60375	1.193 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 17:15
Operator : MJB / KAK
Sample : 0A13050-ICB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:23:02 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:36
 Operator : MJB / KAK
 Sample : 0A13050-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Signature]
 1/14/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.626	1688	0.007 ng/ml
62) S DCBP (S)	10.549	12235	0.110 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.301	11225	1.816 ng/ml
3) Aroclor 1016 (2)	6.790	16600	1.451 ng/ml
4) Aroclor 1016 (3)	6.922	16045	2.995 ng/ml
5) Aroclor 1016 (4)	7.002	17187	3.479 ng/ml
6) Aroclor 1016 (5)	7.050	17297	3.119 ng/ml
7) Aroclor 1016 (6)	7.177	20261	3.547 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.809	10729	6.175 ng/ml
10) Aroclor 1221 (2)	5.875	9335	5.437 ng/ml
11) Aroclor 1221 (3)	5.964	12881	2.257 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.964	12881	2.819 ng/ml
14) Aroclor 1232 (2)	6.296	11019	4.234 ng/ml
15) Aroclor 1232 (3)	6.790	16600	3.393 ng/ml
16) Aroclor 1232 (4)	7.002	17187	10.159 ng/ml
17) Aroclor 1232 (5)	7.050	17297	8.313 ng/ml
18) Aroclor 1232 (6)	7.177	20261	9.338 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.301	11225	2.469 ng/ml
21) Aroclor 1242 (2)	6.790	16600	1.882 ng/ml
22) Aroclor 1242 (3)	6.922	16045	4.189 ng/ml
23) Aroclor 1242 (4)	7.002	17187	5.203 ng/ml
24) Aroclor 1242 (5)	7.050	17297	4.331 ng/ml
25) Aroclor 1242 (6)	7.177	20261	4.858 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.733	14917	2.890 ng/ml
28) Aroclor 1248 (2)	7.002	17187	2.703 ng/ml
29) Aroclor 1248 (3)	7.050	17297	2.914 ng/ml
30) Aroclor 1248 (4)	7.177	20261	2.777 ng/ml
31) Aroclor 1248 (5)	7.539	40332	4.531 ng/ml
32) Aroclor 1248 (6)	7.688	50144	6.159 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.500	20521	2.422 ng/ml
35) Aroclor 1254 (2)	7.688	50144	3.605 ng/ml
36) Aroclor 1254 (3)	8.005	20501	1.351 ng/ml
37) Aroclor 1254 (4)	8.229	15200	1.392 ng/ml
38) Aroclor 1254 (5)	8.580	11034	0.981 ng/ml
39) Aroclor 1254 (6)	8.795	231	0.065 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.145	19053	1.810 ng/ml
42) Aroclor 1260 (2)	8.351	14859	1.164 ng/ml
43) Aroclor 1260 (3)	8.584	10985	0.828 ng/ml
44) Aroclor 1260 (4)	9.068	8772	0.415 ng/ml
45) Aroclor 1260 (5)	9.323	6842	0.559 ng/ml
46) Aroclor 1260 (6)	9.889	5119	1.049 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A13050\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:36
 Operator : MJB / KAK
 Sample : 0A13050-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

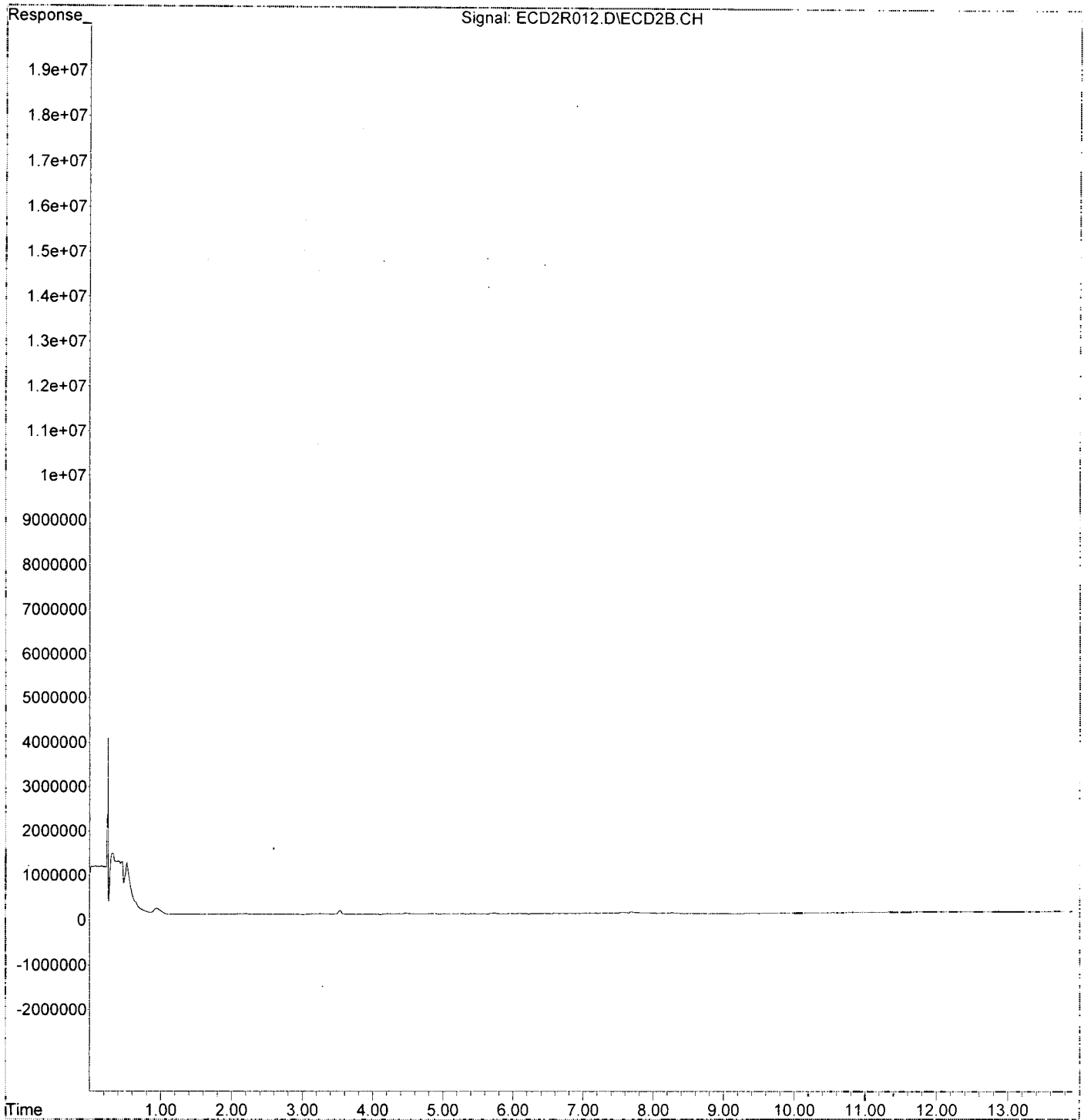
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.351	14859	1.406 ng/ml
49) Aroclor 1262 (2)	8.648	8953	0.586 ng/ml
50) Aroclor 1262 (3)	8.830	8859	0.692 ng/ml
51) Aroclor 1262 (4)	9.068	8772	0.319 ng/ml
52) Aroclor 1262 (5)	9.323	6842	0.417 ng/ml
53) Aroclor 1262 (6)	9.889	5119	0.711 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.866	6961	1.117 ng/ml
56) Aroclor 1268 (2)	9.323	6842	0.246 ng/ml
57) Aroclor 1268 (3)	9.392	5187	0.230 ng/ml
58) Aroclor 1268 (4)	9.602	4728	0.246 ng/ml
59) Aroclor 1268 (5)	9.889	5119	0.654 ng/ml
60) Aroclor 1268 (6)	10.234	4357	0.086 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:36
 Operator : MJB / KAK
 Sample : 0A13050-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:54
 Operator : MJB / KAK
 Sample : 0A13050-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:37:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/14/20
1016, 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.630	42078237	186.496	ng/ml
62) S DCBP (S)	10.551	20822783	187.215	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.301	2889380	467.387	ng/ml
3) Aroclor 1016 (2)	6.790	5607269	490.088	ng/ml
4) Aroclor 1016 (3)	6.917	2567499	479.323	ng/ml
5) Aroclor 1016 (4)	7.004	2249246	455.243	ng/ml
6) Aroclor 1016 (5)	7.048	2695002	485.978	ng/ml
7) Aroclor 1016 (6)	7.174	2593036	453.917	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	201677	116.072	ng/ml
10) Aroclor 1221 (2)	5.878	410071	238.833	ng/ml
11) Aroclor 1221 (3)	5.965	1966837	344.635	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.965	1966837	430.380	ng/ml
14) Aroclor 1232 (2)	6.301	2889380	1110.133	ng/ml
15) Aroclor 1232 (3)	6.790	5607269	1146.221	ng/ml
16) Aroclor 1232 (4)	7.004	2249246	1329.470	ng/ml
17) Aroclor 1232 (5)	7.048	2695002	1295.148	ng/ml
18) Aroclor 1232 (6)	7.174	2593036	1195.127	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.301	2889380	635.541	ng/ml
21) Aroclor 1242 (2)	6.790	5607269	635.568	ng/ml
22) Aroclor 1242 (3)	6.917	2567499	670.336	ng/ml
23) Aroclor 1242 (4)	7.004	2249246	680.849	ng/ml
24) Aroclor 1242 (5)	7.048	2695002	674.775	ng/ml
25) Aroclor 1242 (6)	7.174	2593036	621.710	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.763	4488766	869.574	ng/ml
28) Aroclor 1248 (2)	7.004	2249246	353.691	ng/ml
29) Aroclor 1248 (3)	7.048	2695002	454.027	ng/ml
30) Aroclor 1248 (4)	7.174	2593036	355.429	ng/ml
31) Aroclor 1248 (5)	7.539	576503	64.763	ng/ml
32) Aroclor 1248 (6)	7.698	2400401	294.846	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.516	2114363	249.516	ng/ml
35) Aroclor 1254 (2)	7.698	2400401	172.569	ng/ml
36) Aroclor 1254 (3)	8.008	1313048	86.531	ng/ml
37) Aroclor 1254 (4)	8.247	825780	75.645	ng/ml
38) Aroclor 1254 (5)	8.583	7455081	662.753	ng/ml
39) Aroclor 1254 (6)	8.801	882029	250.066	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	5628529	534.632	ng/ml
42) Aroclor 1260 (2)	8.350	7018796	549.956	ng/ml
43) Aroclor 1260 (3)	8.583	7455081	562.174	ng/ml
44) Aroclor 1260 (4)	9.067	10304134	487.136	ng/ml
45) Aroclor 1260 (5)	9.325	6100150	498.593	ng/ml
46) Aroclor 1260 (6)	9.890	1867409	382.669	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

471.989

502.527

Data Path : K:\DATA\0A13050\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:54
 Operator : MJB / KAK
 Sample : 0A13050-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:37:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

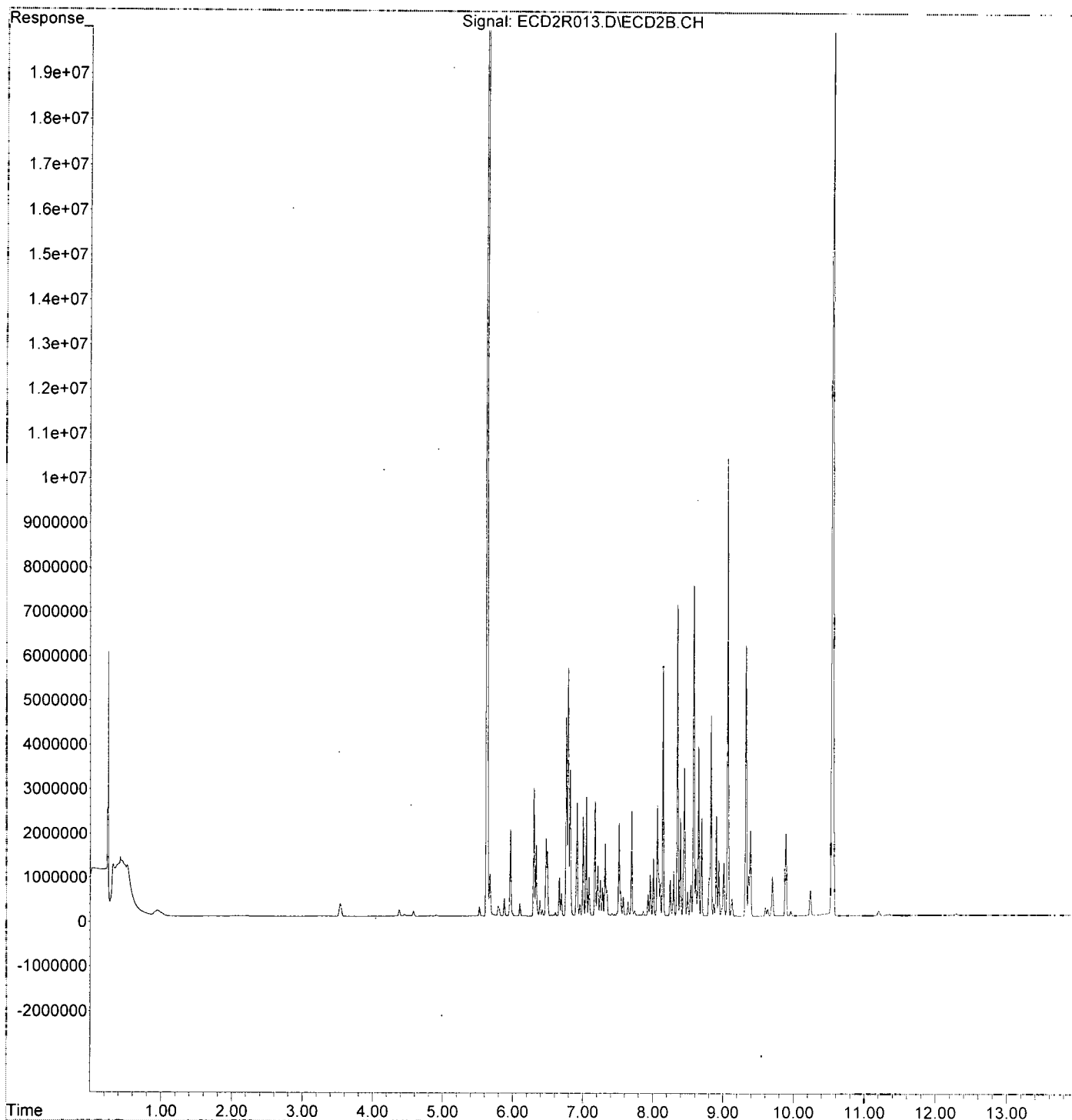
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.350	7018796	663.923 ng/ml
49) Aroclor 1262 (2)	8.651	3830979	250.759 ng/ml
50) Aroclor 1262 (3)	8.829	4526983	353.555 ng/ml
51) Aroclor 1262 (4)	9.067	10304134	374.361 ng/ml
52) Aroclor 1262 (5)	9.325	6100150	371.517 ng/ml
53) Aroclor 1262 (6)	9.890	1867409	259.343 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.869	290538	46.619 ng/ml
56) Aroclor 1268 (2)	9.325	6100150	219.694 ng/ml
57) Aroclor 1268 (3)	9.389	1939101	86.120 ng/ml
58) Aroclor 1268 (4)	9.604	197089	10.237 ng/ml
59) Aroclor 1268 (5)	9.890	1867409	238.702 ng/ml
60) Aroclor 1268 (6)	10.239	589830	11.653 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:54
Operator : MJB / KAK
Sample : 0A13050-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:37:43 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:15
 Operator : MJB / KAK
 Sample : 0A13050-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:18 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/14/20
1221, 125A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.627	8366007	37.079	ng/ml
62) S DCBP (S)	10.548	9358034	84.137	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.299	530484	85.811	ng/ml
3) Aroclor 1016 (2)	6.789	860190	75.183	ng/ml
4) Aroclor 1016 (3)	6.916	419193	78.259	ng/ml
5) Aroclor 1016 (4)	7.003	2660118	538.403	ng/ml
6) Aroclor 1016 (5)	7.047	962899	173.636	ng/ml
7) Aroclor 1016 (6)	7.173	1702556	298.036	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	1591287	915.838	ng/ml
10) Aroclor 1221 (2)	5.876	1584717	922.969	ng/ml
11) Aroclor 1221 (3)	5.964	5308894	930.240	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.964	5308894	1161.684	ng/ml
14) Aroclor 1232 (2)	6.299	530484	203.818	ng/ml
15) Aroclor 1232 (3)	6.789	860190	175.837	ng/ml
16) Aroclor 1232 (4)	7.003	2660118	1572.325	ng/ml
17) Aroclor 1232 (5)	7.047	962899	462.744	ng/ml
18) Aroclor 1232 (6)	7.173	1702556	784.706	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.299	530484	116.684	ng/ml
21) Aroclor 1242 (2)	6.789	860190	97.500	ng/ml
22) Aroclor 1242 (3)	6.916	419193	109.445	ng/ml
23) Aroclor 1242 (4)	7.003	2660118	805.220	ng/ml
24) Aroclor 1242 (5)	7.047	962899	241.091	ng/ml
25) Aroclor 1242 (6)	7.173	1702556	408.207	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.762	678412	131.424	ng/ml
28) Aroclor 1248 (2)	7.003	2660118	418.300	ng/ml
29) Aroclor 1248 (3)	7.047	962899	162.220	ng/ml
30) Aroclor 1248 (4)	7.173	1702556	233.370	ng/ml
31) Aroclor 1248 (5)	7.538	2699412	303.245	ng/ml
32) Aroclor 1248 (6)	7.697	7172222	880.977	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.516	4718199	556.795	ng/ml
35) Aroclor 1254 (2)	7.697	7172222	515.622	ng/ml
36) Aroclor 1254 (3)	8.008	7608333	501.395	ng/ml
37) Aroclor 1254 (4)	8.246	5568780	510.126	ng/ml
38) Aroclor 1254 (5)	8.580	5642709	501.634	ng/ml
39) Aroclor 1254 (6)	8.811	1659515	470.493	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.142	2581769	245.232	ng/ml
42) Aroclor 1260 (2)	8.349	3126649	244.988	ng/ml
43) Aroclor 1260 (3)	8.580	5642709	425.506	ng/ml
44) Aroclor 1260 (4)	9.065	944219	44.639	ng/ml
45) Aroclor 1260 (5)	9.323	736233	60.176	ng/ml
46) Aroclor 1260 (6)	9.889	56325	11.542	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

923.016

509.344

Data Path : K:\DATA\0A13050\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:15
 Operator : MJB / KAK
 Sample : 0A13050-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:18 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

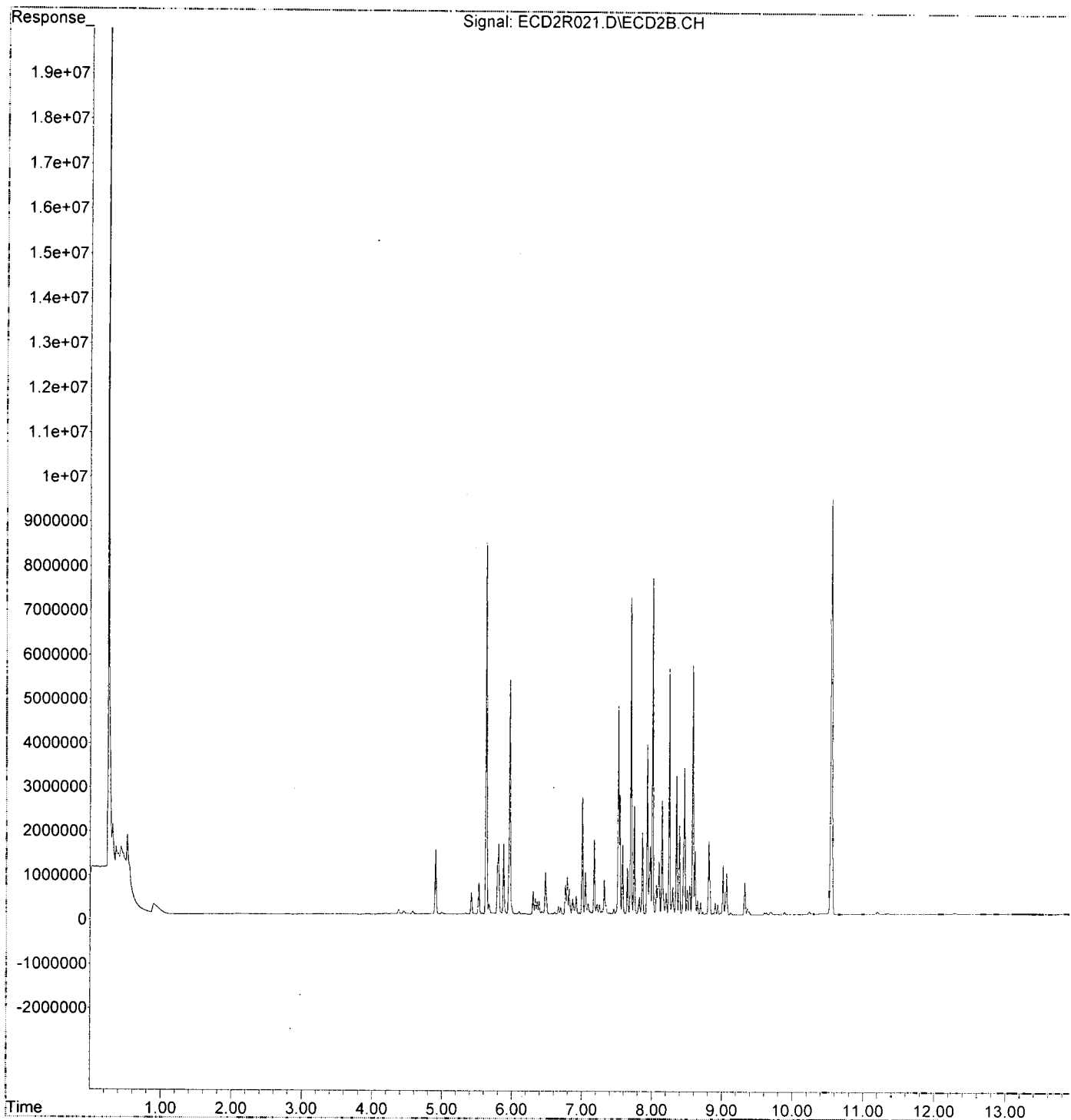
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	3126649	295.757 ng/ml
49) Aroclor 1262 (2)	8.649	316091	20.690 ng/ml
50) Aroclor 1262 (3)	8.811	1659515	129.607 ng/ml
51) Aroclor 1262 (4)	9.065	944219	34.305 ng/ml
52) Aroclor 1262 (5)	9.323	736233	44.839 ng/ml
53) Aroclor 1262 (6)	9.889	56325	7.822 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.870	37976	6.093 ng/ml
56) Aroclor 1268 (2)	9.323	736233	26.515 ng/ml
57) Aroclor 1268 (3)	9.385	69099	3.069 ng/ml
58) Aroclor 1268 (4)	9.604	39433	2.048 ng/ml
59) Aroclor 1268 (5)	9.889	56325	7.200 ng/ml
60) Aroclor 1268 (6)	10.240	59800	1.181 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 22:15
Operator : MJB / KAK
Sample : 0A13050-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:38:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:32
 Operator : MJB / KAK
 Sample : 0A13050-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/14/20
 1232, 1262

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.627	8656583	38.367	ng/ml
62) S DCBP (S)	10.549	9384526	84.375	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.299	1350246	218.416	ng/ml
3) Aroclor 1016 (2)	6.789	2443408	213.559	ng/ml
4) Aroclor 1016 (3)	6.916	1134572	211.812	ng/ml
5) Aroclor 1016 (4)	7.002	928356	187.898	ng/ml
6) Aroclor 1016 (5)	7.047	1047657	188.920	ng/ml
7) Aroclor 1016 (6)	7.172	1131966	198.153	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	531565	305.933	ng/ml
10) Aroclor 1221 (2)	5.877	604859	352.281	ng/ml
11) Aroclor 1221 (3)	5.964	2221641	389.283	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.964	2221641	486.136	ng/ml
14) Aroclor 1232 (2)	6.299	1350246	518.780	ng/ml
15) Aroclor 1232 (3)	6.789	2443408	499.474	ng/ml
16) Aroclor 1232 (4)	7.002	928356	548.727	ng/ml
17) Aroclor 1232 (5)	7.047	1047657	503.477	ng/ml
18) Aroclor 1232 (6)	7.172	1131966	521.721	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.299	1350246	296.997	ng/ml
21) Aroclor 1242 (2)	6.789	2443408	276.953	ng/ml
22) Aroclor 1242 (3)	6.916	1134572	296.220	ng/ml
23) Aroclor 1242 (4)	7.002	928356	281.014	ng/ml
24) Aroclor 1242 (5)	7.047	1047657	262.312	ng/ml
25) Aroclor 1242 (6)	7.172	1131966	271.402	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.762	1888334	365.812	ng/ml
28) Aroclor 1248 (2)	7.002	928356	145.983	ng/ml
29) Aroclor 1248 (3)	7.047	1047657	176.499	ng/ml
30) Aroclor 1248 (4)	7.172	1131966	155.159	ng/ml
31) Aroclor 1248 (5)	7.538	1351685	151.845	ng/ml
32) Aroclor 1248 (6)	7.696	1745059	214.349	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.518	1328075	156.726	ng/ml
35) Aroclor 1254 (2)	7.696	1745059	125.455	ng/ml
36) Aroclor 1254 (3)	8.007	705753	46.510	ng/ml
37) Aroclor 1254 (4)	8.246	542138	49.662	ng/ml
38) Aroclor 1254 (5)	8.582	4080262	362.733	ng/ml
39) Aroclor 1254 (6)	8.797	1286937	364.863	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.143	4275414	406.105	ng/ml
42) Aroclor 1260 (2)	8.349	5037521	394.714	ng/ml
43) Aroclor 1260 (3)	8.582	4080262	307.685	ng/ml
44) Aroclor 1260 (4)	9.065	12366178	584.621	ng/ml
45) Aroclor 1260 (5)	9.324	7304758	597.051	ng/ml
46) Aroclor 1260 (6)	9.889	3314208	679.147	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten: 513.053

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A13050\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:32
 Operator : MJB / KAK
 Sample : 0A13050-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	5037521	476.510 ng/ml
49) Aroclor 1262 (2)	8.650	6862374	449.182 ng/ml
50) Aroclor 1262 (3)	8.827	5598953	437.275 ng/ml
51) Aroclor 1262 (4)	9.065	12366178	449.277 ng/ml
52) Aroclor 1262 (5)	9.324	7304758	444.882 ng/ml
53) Aroclor 1262 (6)	9.889	3314208	460.273 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.868	758406	121.692 ng/ml
56) Aroclor 1268 (2)	9.324	7304758	263.078 ng/ml
57) Aroclor 1268 (3)	9.388	3944690	175.193 ng/ml
58) Aroclor 1268 (4)	9.601	308022	15.998 ng/ml
59) Aroclor 1268 (5)	9.889	3314208	423.639 ng/ml
60) Aroclor 1268 (6)	10.238	1086007	21.456 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

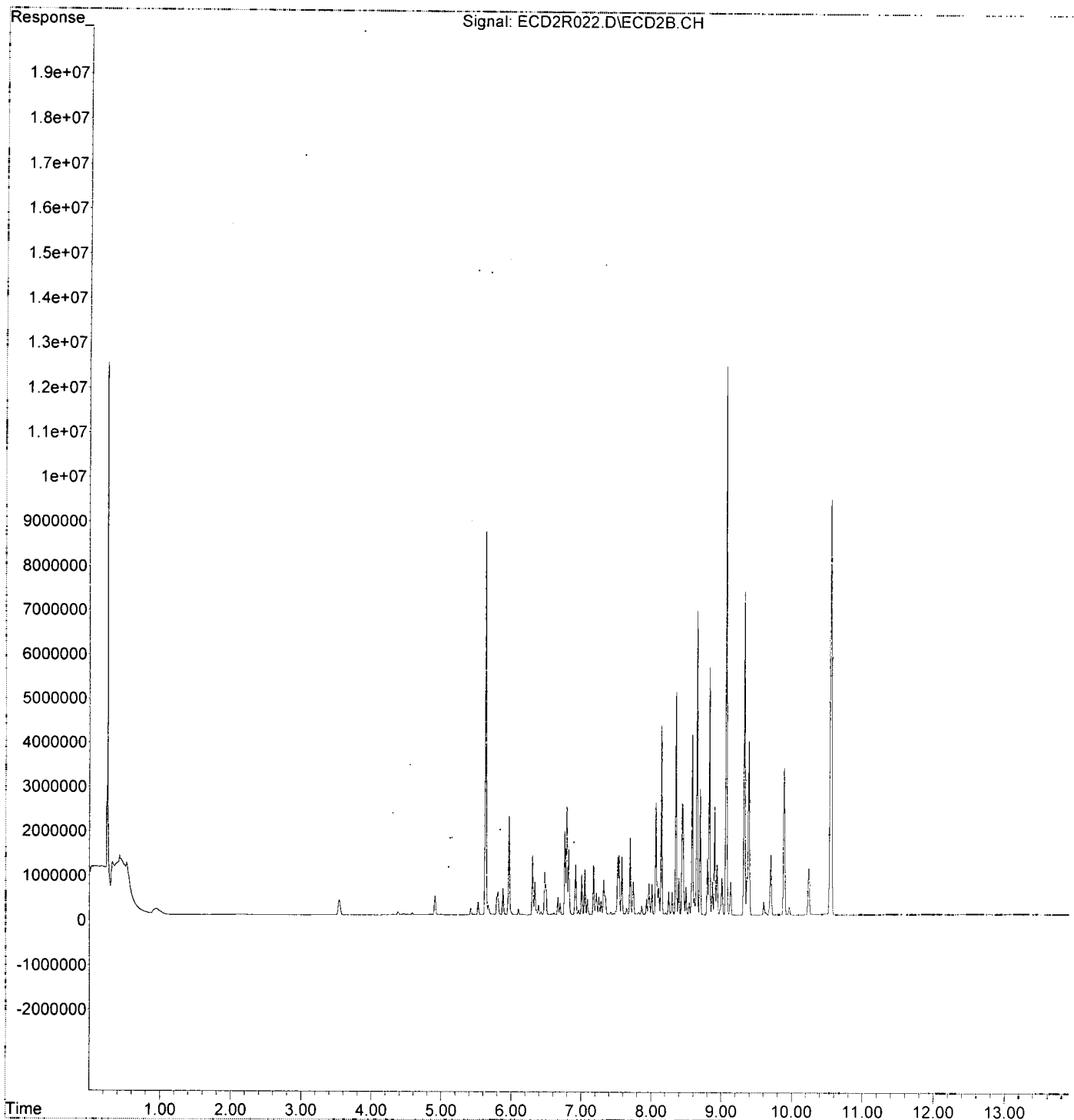
452.900

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 22:32
Operator : MJB / KAK
Sample : 0A13050-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:38:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:50
 Operator : MJB / KAK
 Sample : 0A13050-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:39:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/14/20
 1242, 1268

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.627	9226068	40.891 ng/ml
62) S DCBP (S)	10.548	4337702	39.000 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.299	2413373	390.388 ng/ml
3) Aroclor 1016 (2)	6.788	4561837	398.715 ng/ml
4) Aroclor 1016 (3)	6.915	2111530	394.199 ng/ml
5) Aroclor 1016 (4)	7.003	1711882	346.482 ng/ml
6) Aroclor 1016 (5)	7.047	2043722	368.536 ng/ml
7) Aroclor 1016 (6)	7.173	2181722	381.916 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.804	182381	104.966 ng/ml
10) Aroclor 1221 (2)	5.876	369568	215.243 ng/ml
11) Aroclor 1221 (3)	5.964	1712969	300.152 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.964	1712969	374.829 ng/ml
14) Aroclor 1232 (2)	6.299	2413373	927.246 ng/ml
15) Aroclor 1232 (3)	6.788	4561837	932.517 ng/ml
16) Aroclor 1232 (4)	7.003	1711882	1011.848 ng/ml
17) Aroclor 1232 (5)	7.047	2043722	982.160 ng/ml
18) Aroclor 1232 (6)	7.173	2181722	1005.553 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.299	2413373	530.840 ng/ml
21) Aroclor 1242 (2)	6.788	4561837	517.071 ng/ml
22) Aroclor 1242 (3)	6.915	2111530	551.289 ng/ml
23) Aroclor 1242 (4)	7.003	1711882	518.188 ng/ml
24) Aroclor 1242 (5)	7.047	2043722	511.707 ng/ml
25) Aroclor 1242 (6)	7.173	2181722	523.093 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.762	3611646	699.656 ng/ml
28) Aroclor 1248 (2)	7.003	1711882	269.191 ng/ml
29) Aroclor 1248 (3)	7.047	2043722	344.306 ng/ml
30) Aroclor 1248 (4)	7.173	2181722	299.050 ng/ml
31) Aroclor 1248 (5)	7.538	2591584	291.132 ng/ml
32) Aroclor 1248 (6)	7.694	2020479	248.179 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.520	1648606	194.552 ng/ml
35) Aroclor 1254 (2)	7.694	2020479	145.255 ng/ml
36) Aroclor 1254 (3)	8.007	759688	50.064 ng/ml
37) Aroclor 1254 (4)	8.246	528301	48.395 ng/ml
38) Aroclor 1254 (5)	8.582	149523	13.293 ng/ml
39) Aroclor 1254 (6)	8.797	123265	34.947 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.142	66974	6.362 ng/ml
42) Aroclor 1260 (2)	8.346	120430	9.436 ng/ml
43) Aroclor 1260 (3)	8.582	149523	11.275 ng/ml
44) Aroclor 1260 (4)	9.065	1461812	69.108 ng/ml
45) Aroclor 1260 (5)	9.324	13500094	1103.424 ng/ml
46) Aroclor 1260 (6)	9.889	3935860	806.536 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten: 525.365

Data Path : K:\DATA\0A13050\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:50
 Operator : MJB / KAK
 Sample : 0A13050-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:39:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.346	120430	11.392	ng/ml
49) Aroclor 1262 (2)	8.650	2695648	176.446	ng/ml
50) Aroclor 1262 (3)	8.827	202812	15.840	ng/ml
51) Aroclor 1262 (4)	9.065	1461812	53.109	ng/ml
52) Aroclor 1262 (5)	9.324	13500094	822.196	ng/ml
53) Aroclor 1262 (6)	9.889	3935860	546.607	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.868	3124772	501.395	ng/ml
56) Aroclor 1268 (2)	9.324	13500094	486.200	ng/ml
57) Aroclor 1268 (3)	9.390	11777316	523.058	ng/ml
58) Aroclor 1268 (4)	9.601	9243944	480.124	ng/ml
59) Aroclor 1268 (5)	9.889	3935860	503.102	ng/ml
60) Aroclor 1268 (6)	10.238	26494457	523.450	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

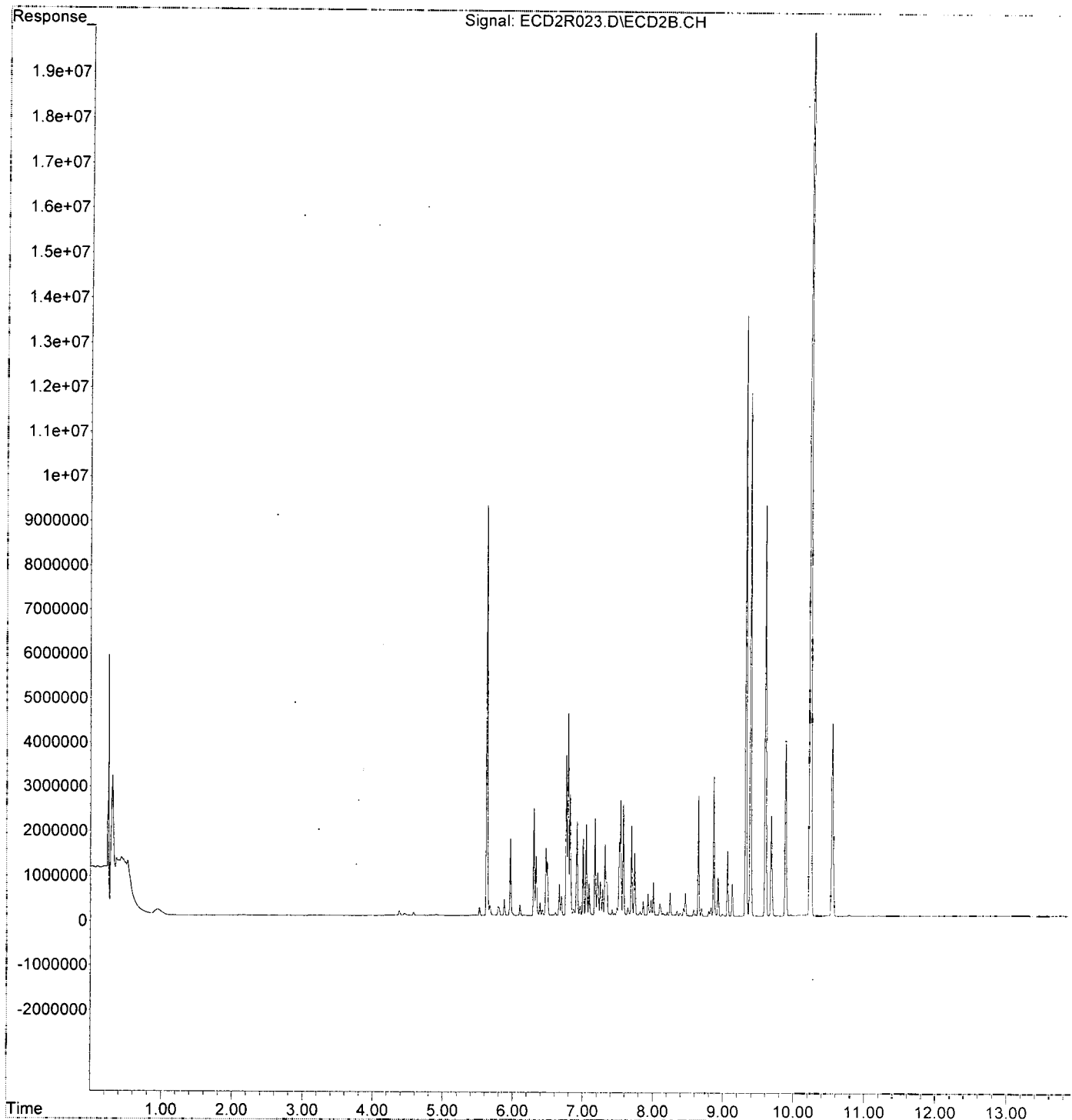
502.888

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 22:50
Operator : MJB / KAK
Sample : 0A13050-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:39:27 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Jan 2020 8:02
 Operator : MJB / KAK
 Sample : 0A13050-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:40:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/14/20
 12A8

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.626	3813	0.017 ng/ml
62) S DCBP (S)	10.549	7136	0.064 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	1394431	225.564 ng/ml
3) Aroclor 1016 (2)	6.790	2958219	258.555 ng/ml
4) Aroclor 1016 (3)	6.914	1341022	250.354 ng/ml
5) Aroclor 1016 (4)	7.004	3704379	749.759 ng/ml
6) Aroclor 1016 (5)	7.049	3586571	646.751 ng/ml
7) Aroclor 1016 (6)	7.174	4317847	755.849 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.804	21978	12.649 ng/ml
10) Aroclor 1221 (2)	5.877	39285	22.880 ng/ml
11) Aroclor 1221 (3)	5.964	217044	38.031 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.964	217044	47.493 ng/ml
14) Aroclor 1232 (2)	6.300	1394431	535.756 ng/ml
15) Aroclor 1232 (3)	6.790	2958219	604.710 ng/ml
16) Aroclor 1232 (4)	7.004	3704379	2189.560 ng/ml
17) Aroclor 1232 (5)	7.049	3586571	1723.613 ng/ml
18) Aroclor 1232 (6)	7.174	4317847	1990.089 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.300	1394431	306.716 ng/ml
21) Aroclor 1242 (2)	6.790	2958219	335.306 ng/ml
22) Aroclor 1242 (3)	6.914	1341022	350.121 ng/ml
23) Aroclor 1242 (4)	7.004	3704379	1121.319 ng/ml
24) Aroclor 1242 (5)	7.049	3586571	898.006 ng/ml
25) Aroclor 1242 (6)	7.174	4317847	1035.253 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.763	2856083	553.287 ng/ml
28) Aroclor 1248 (2)	7.004	3704379	582.509 ng/ml
29) Aroclor 1248 (3)	7.049	3586571	604.230 ng/ml
30) Aroclor 1248 (4)	7.174	4317847	591.850 ng/ml
31) Aroclor 1248 (5)	7.539	5461777	613.562 ng/ml
32) Aroclor 1248 (6)	7.696	4885408	600.083 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.521	3710121	437.832 ng/ml
35) Aroclor 1254 (2)	7.696	4885408	351.220 ng/ml
36) Aroclor 1254 (3)	8.008	2831335	186.587 ng/ml
37) Aroclor 1254 (4)	8.248	1962735	179.795 ng/ml
38) Aroclor 1254 (5)	8.581	433653	38.552 ng/ml
39) Aroclor 1254 (6)	8.811	168693	47.827 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	240144	22.810 ng/ml
42) Aroclor 1260 (2)	8.347	321684	25.205 ng/ml
43) Aroclor 1260 (3)	8.581	433653	32.701 ng/ml
44) Aroclor 1260 (4)	9.066	86034	4.067 ng/ml
45) Aroclor 1260 (5)	9.324	59779	4.886 ng/ml
46) Aroclor 1260 (6)	9.890	17482	3.582 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

590.920

Data Path : K:\DATA\0A13050\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Jan 2020 8:02
 Operator : MJB / KAK
 Sample : 0A13050-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:40:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

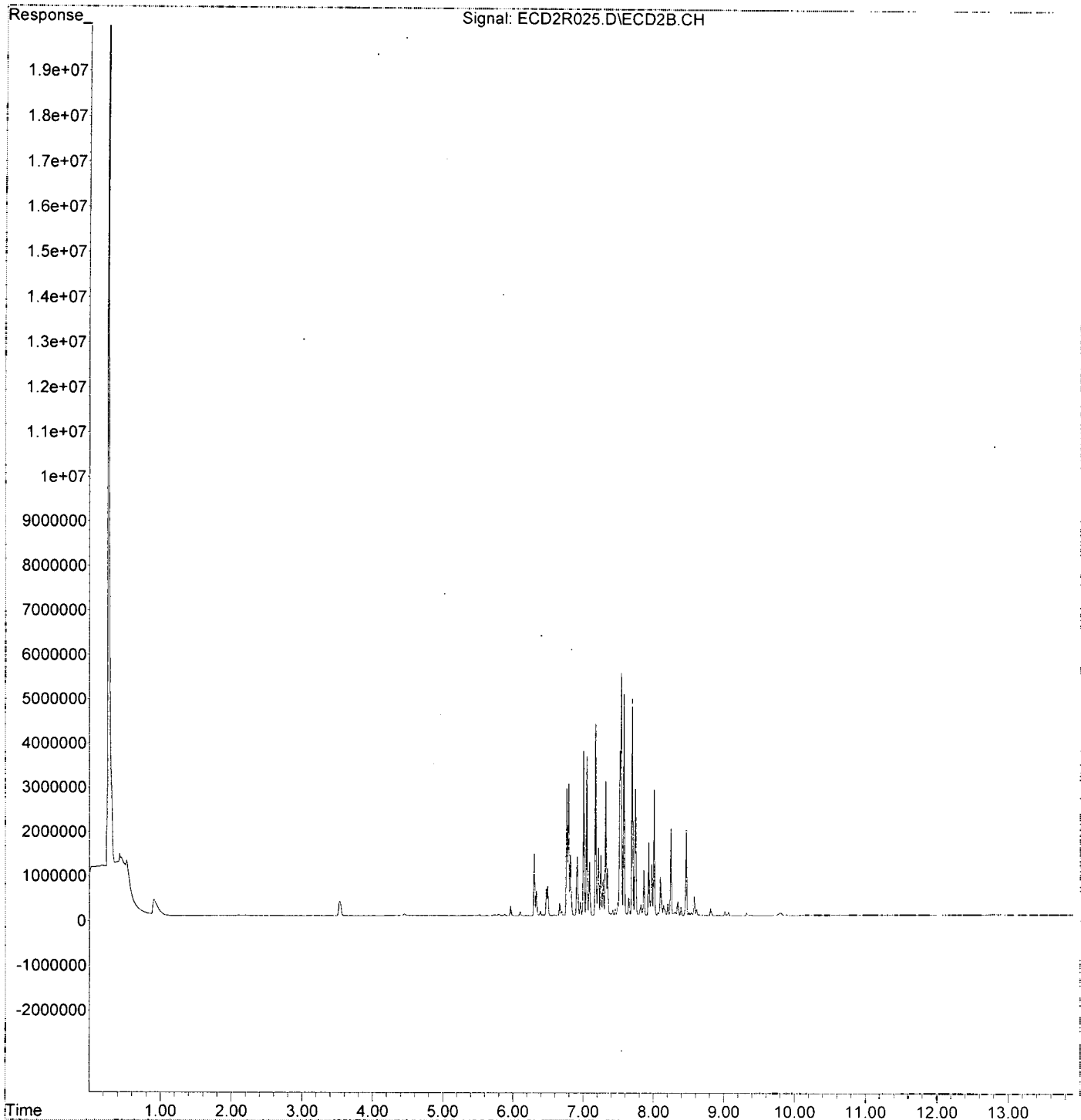
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.347	321684	30.429 ng/ml
49) Aroclor 1262 (2)	8.651	34532	2.260 ng/ml
50) Aroclor 1262 (3)	8.811	168693	13.175 ng/ml
51) Aroclor 1262 (4)	9.066	86034	3.126 ng/ml
52) Aroclor 1262 (5)	9.324	59779	3.641 ng/ml
53) Aroclor 1262 (6)	9.890	17482	2.428 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.871	5093	0.817 ng/ml
56) Aroclor 1268 (2)	9.324	59779	2.153 ng/ml
57) Aroclor 1268 (3)	9.389	17646	0.784 ng/ml
58) Aroclor 1268 (4)	9.602	2145	0.111 ng/ml
59) Aroclor 1268 (5)	9.890	17482	2.235 ng/ml
60) Aroclor 1268 (6)	10.239	7273	0.144 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 14 Jan 2020 8:02
Operator : MJB / KAK
Sample : 0A13050-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:40:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	2095506	9.288 ng/ml ✓
62) S DCBP (S)	10.551	1072604	9.644 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.300	145279	23.500 ng/ml
3) Aroclor 1016 (2)	6.790	249458	21.803 ng/ml
4) Aroclor 1016 (3)	6.917	116035	21.662 ng/ml
5) Aroclor 1016 (4)	7.004	117409	23.763 ng/ml ✓
6) Aroclor 1016 (5)	7.049	131375	23.690 ng/ml
7) Aroclor 1016 (6)	7.174	135212	23.669 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	236430	22.458 ng/ml
42) Aroclor 1260 (2)	8.351	280991	22.017 ng/ml
43) Aroclor 1260 (3)	8.582	282360	21.292 ng/ml
44) Aroclor 1260 (4)	9.067	414593	19.600 ng/ml ✓
45) Aroclor 1260 (5)	9.325	257901	21.079 ng/ml
46) Aroclor 1260 (6)	9.891	103156	21.139 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

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1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

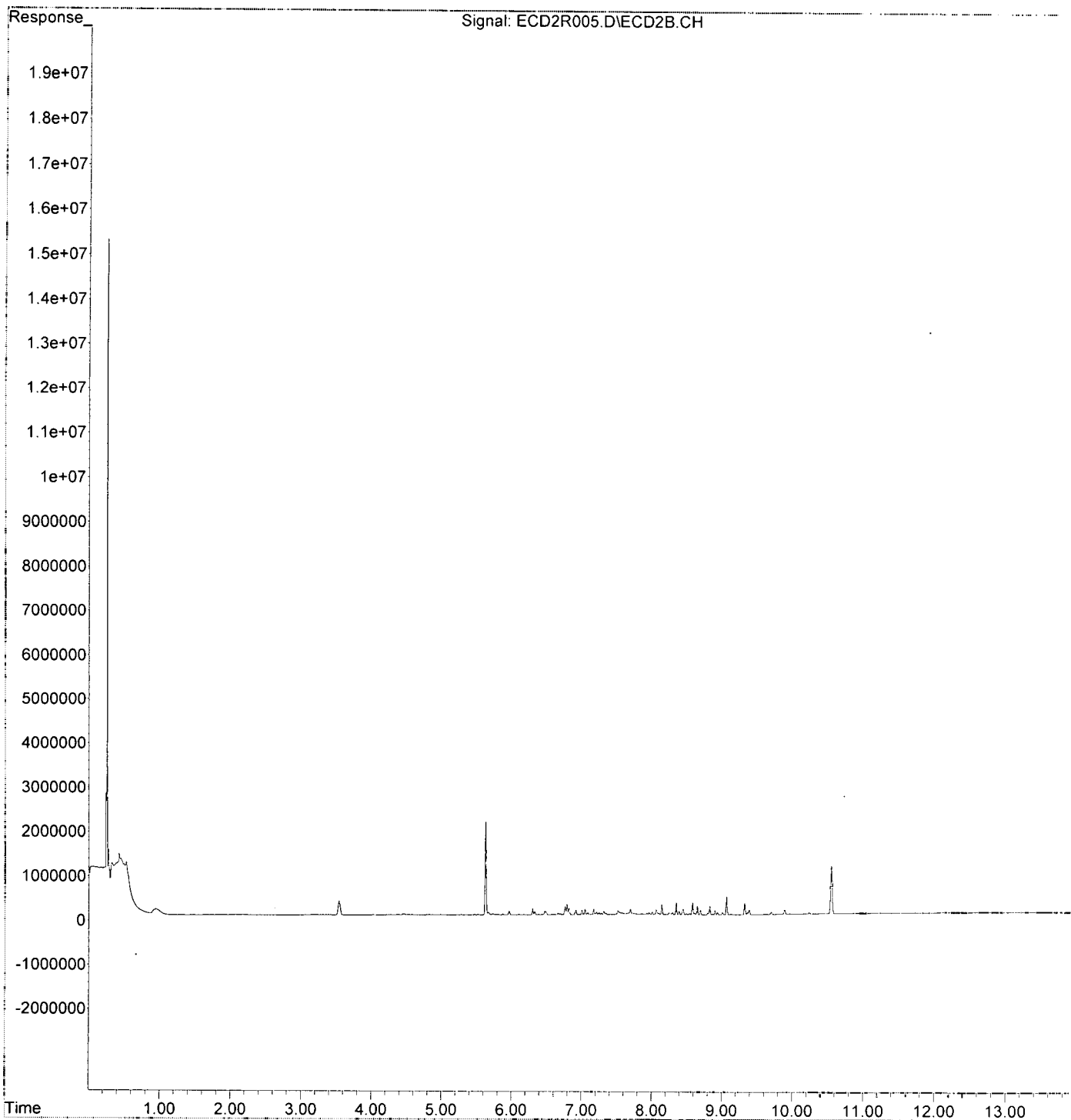
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\Quant
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAT2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:32 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/14/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.628	5312749	23.547	ng/ml ✓
62) S DCBP (S)	10.550	2755983	24.779	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	343821	55.617	ng/ml
3) Aroclor 1016 (2)	6.790	597996	52.266	ng/ml
4) Aroclor 1016 (3)	6.917	290069	54.153	ng/ml ✓
5) Aroclor 1016 (4)	7.004	278534	56.375	ng/ml
6) Aroclor 1016 (5)	7.048	307931	55.528	ng/ml
7) Aroclor 1016 (6)	7.174	315508	55.230	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	540959	51.384	ng/ml
42) Aroclor 1260 (2)	8.350	656411	51.433	ng/ml
43) Aroclor 1260 (3)	8.582	674172	50.838	ng/ml
44) Aroclor 1260 (4)	9.066	1047953	49.543	ng/ml ✓
45) Aroclor 1260 (5)	9.325	608364	49.724	ng/ml
46) Aroclor 1260 (6)	9.891	261903	53.669	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:32 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

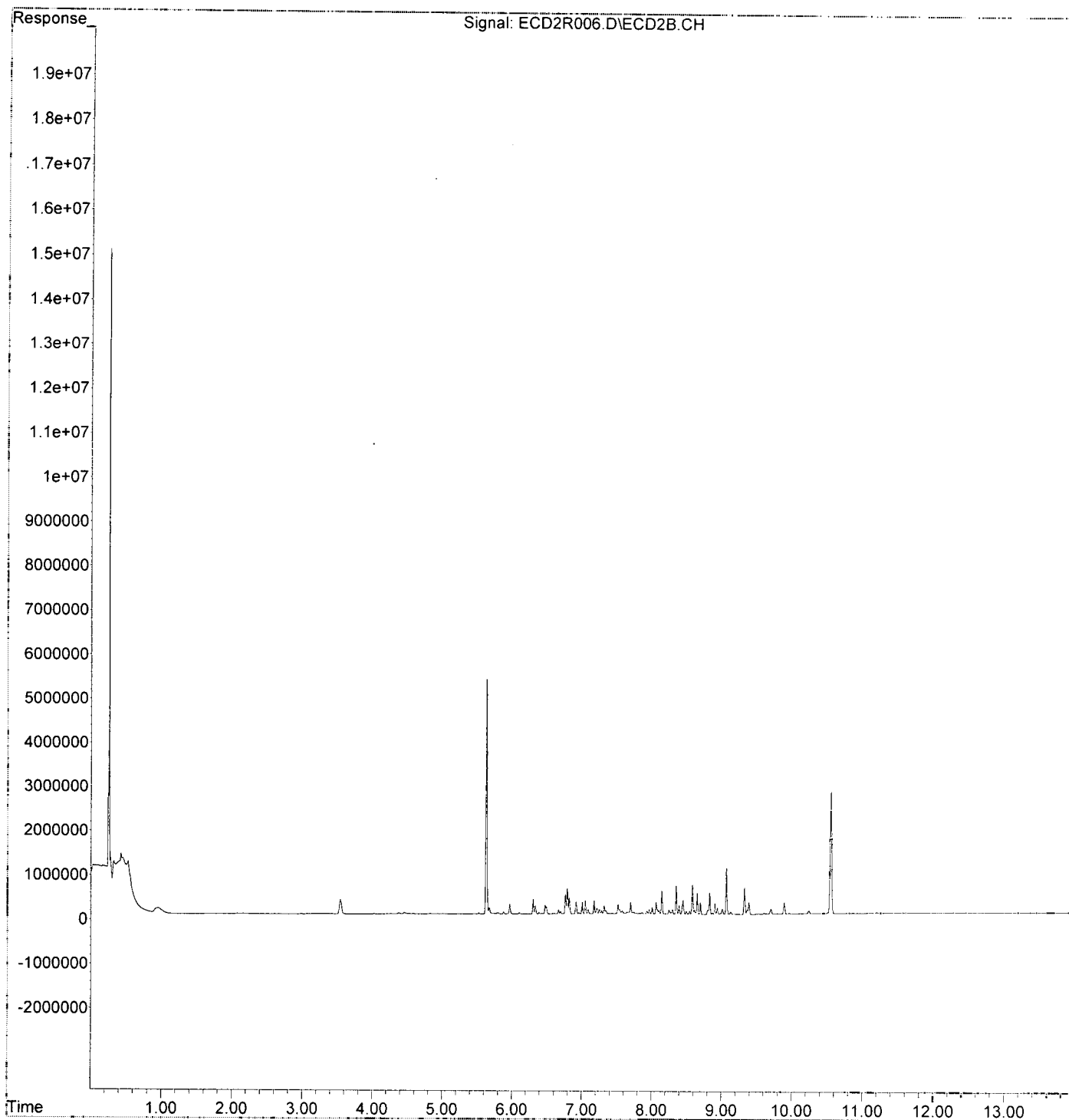
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:32 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\Quant
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.628	11084215	49.127	ng/ml ✓
62) S DCBP (S)	10.550	5396453	48.519	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	639728	103.483	ng/ml
3) Aroclor 1016 (2)	6.790	1142660	99.871	ng/ml
4) Aroclor 1016 (3)	6.917	536991	100.250	ng/ml
5) Aroclor 1016 (4)	7.003	519409	105.127	ng/ml
6) Aroclor 1016 (5)	7.048	569313	102.662	ng/ml
7) Aroclor 1016 (6)	7.174	588135	102.954	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.143	1060465	100.729	ng/ml
42) Aroclor 1260 (2)	8.351	1321460	103.543	ng/ml
43) Aroclor 1260 (3)	8.582	1327338	100.092	ng/ml
44) Aroclor 1260 (4)	9.066	2051063	96.966	ng/ml ✓
45) Aroclor 1260 (5)	9.325	1220407	99.749	ng/ml
46) Aroclor 1260 (6)	9.890	478851	98.126	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

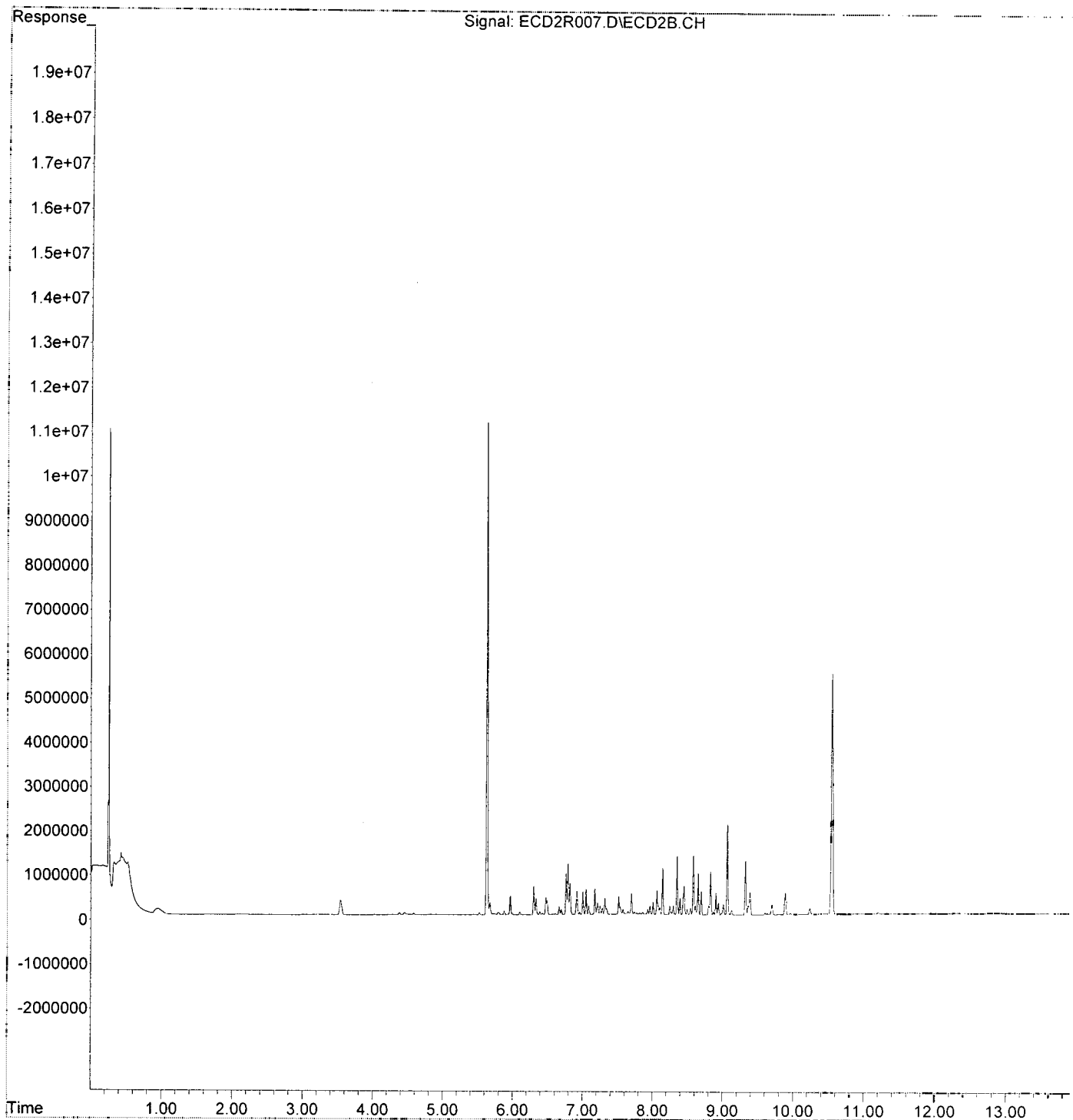
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:08
Operator : MJB / KAK
Sample : 0A13050-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:03:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAT4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.629	22681880	100.529	ng/ml ✓
62) S DCBP (S)	10.551	10891716	97.926	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.301	1190843	192.631	ng/ml
3) Aroclor 1016 (2)	6.790	2334544	204.044	ng/ml
4) Aroclor 1016 (3)	6.917	1067264	199.246	ng/ml
5) Aroclor 1016 (4)	7.004	981904	198.735	ng/ml
6) Aroclor 1016 (5)	7.049	1076394	194.102	ng/ml
7) Aroclor 1016 (6)	7.174	1160064	203.072	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	2093221	198.827	ng/ml
42) Aroclor 1260 (2)	8.351	2511397	196.780	ng/ml
43) Aroclor 1260 (3)	8.582	2744238	206.938	ng/ml
44) Aroclor 1260 (4)	9.066	4251874	201.011	ng/ml ✓
45) Aroclor 1260 (5)	9.325	2471890	202.039	ng/ml
46) Aroclor 1260 (6)	9.891	1008936	206.751	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

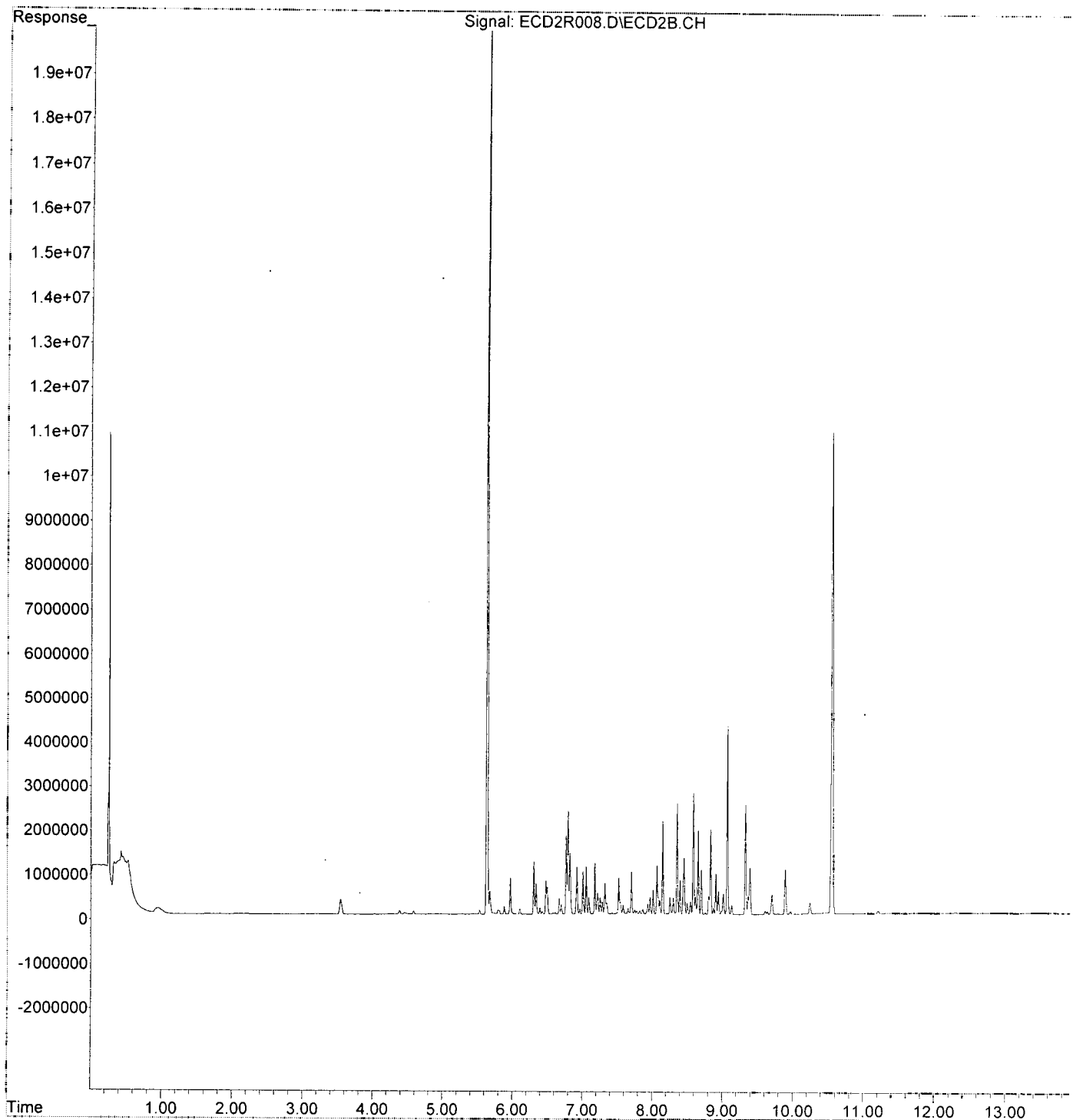
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:25
Operator : MJB / KAK
Sample : 0A13050-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:04:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAT5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.629	53881075	238.807	ng/ml ✓
62) S DCBP (S)	10.552	25218318	226.735	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	2835860	458.730	ng/ml
3) Aroclor 1016 (2)	6.790	5484312	479.341	ng/ml
4) Aroclor 1016 (3)	6.917	2538905	473.985	ng/ml
5) Aroclor 1016 (4)	7.003	2203390	445.962	ng/ml
6) Aroclor 1016 (5)	7.048	2536989	457.485	ng/ml
7) Aroclor 1016 (6)	7.174	2573883	450.564	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	5080914	482.616	ng/ml
42) Aroclor 1260 (2)	8.351	6152313	482.063	ng/ml
43) Aroclor 1260 (3)	8.583	6540031	493.172	ng/ml
44) Aroclor 1260 (4)	9.066	10496732	496.241	ng/ml
45) Aroclor 1260 (5)	9.325	6070844	496.198	ng/ml
46) Aroclor 1260 (6)	9.891	2392226	490.214	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

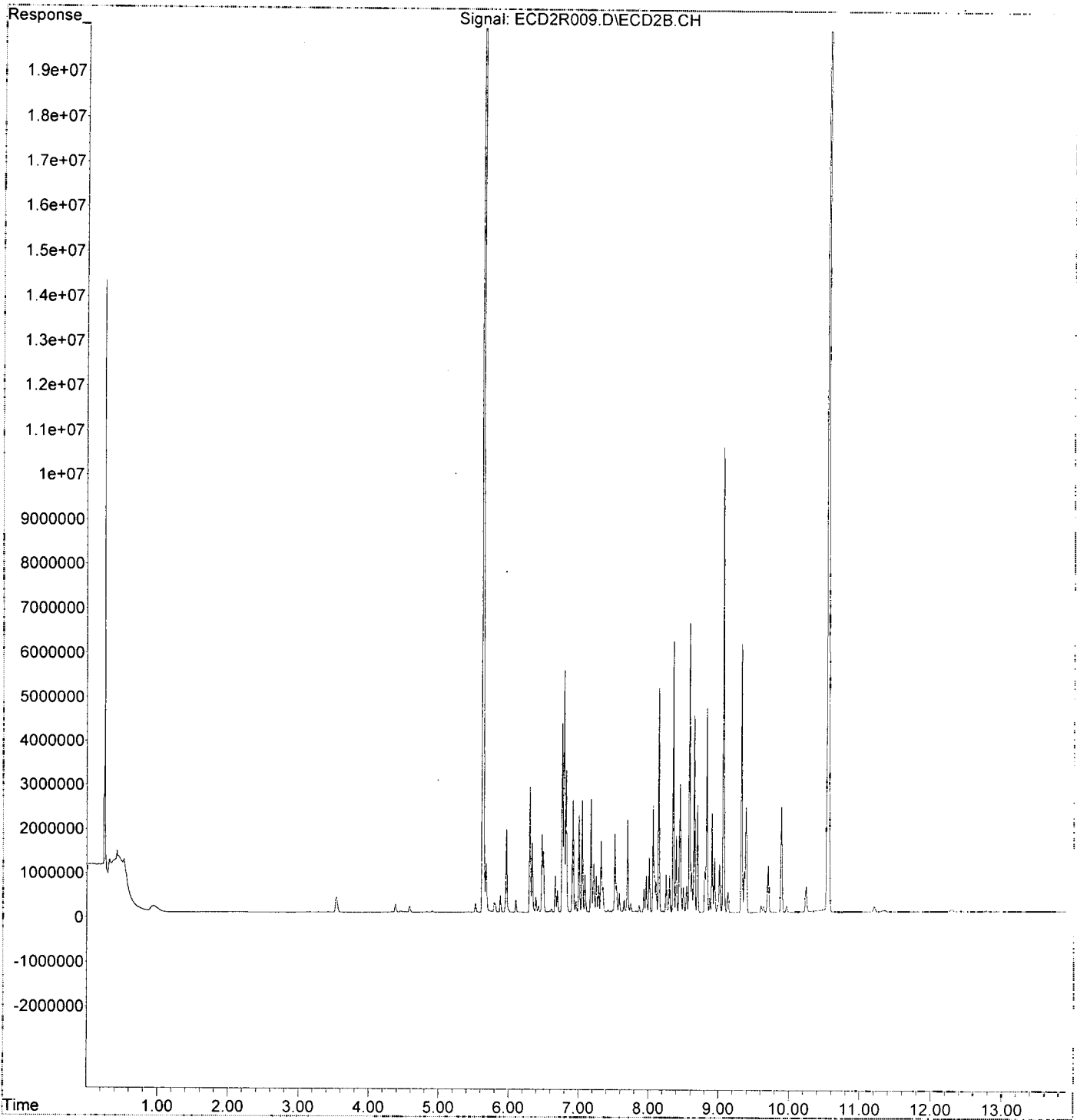
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:43
Operator : MJB / KAK
Sample : 0A13050-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:04:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\regquant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.631	124870409	553.440	ng/ml
62) S DCBP (S)	10.551	58595711	526.828	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	5624087	909.755	ng/ml
3) Aroclor 1016 (2)	6.790	11025443	963.649	ng/ml
4) Aroclor 1016 (3)	6.917	5145954	960.692	ng/ml
5) Aroclor 1016 (4)	7.004	4338878	878.180	ng/ml
6) Aroclor 1016 (5)	7.048	5224293	942.075	ng/ml
7) Aroclor 1016 (6)	7.173	5149713	901.470	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.143	10123087	961.552	ng/ml
42) Aroclor 1260 (2)	8.350	12298764	963.667	ng/ml
43) Aroclor 1260 (3)	8.582	12961672	977.416	ng/ml
44) Aroclor 1260 (4)	9.066	21886590	1034.706	ng/ml
45) Aroclor 1260 (5)	9.325	12074358	986.892	ng/ml
46) Aroclor 1260 (6)	9.890	4594659	941.536	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

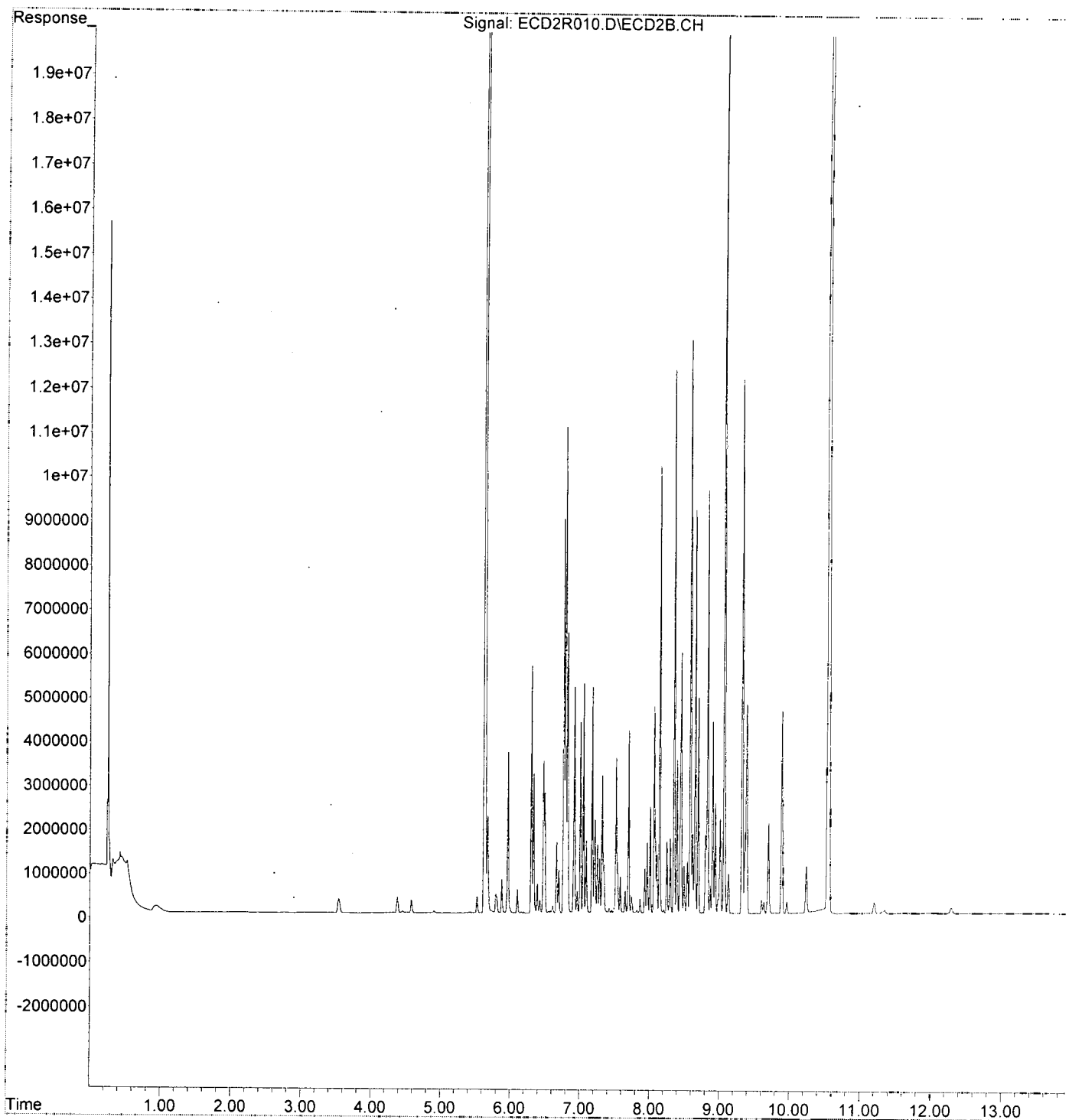
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:01
Operator : MJB / KAK
Sample : 0A13050-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:04:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:05:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.633	194842413	863.564	ng/ml
62) S DCBP (S)	10.553	101081415	908.812	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	8229290	1331.173	ng/ml
3) Aroclor 1016 (2)	6.791	15844863	1384.877	ng/ml
4) Aroclor 1016 (3)	6.917	7443643	1389.645	ng/ml
5) Aroclor 1016 (4)	7.004	6442401	1303.929	ng/ml
6) Aroclor 1016 (5)	7.049	7076827	1276.135	ng/ml
7) Aroclor 1016 (6)	7.174	7407214	1296.650	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	14548054	1381.862	ng/ml
42) Aroclor 1260 (2)	8.351	17676726	1385.056	ng/ml
43) Aroclor 1260 (3)	8.583	18285536	1378.879	ng/ml
44) Aroclor 1260 (4)	9.067	32592843	1540.853	ng/ml
45) Aroclor 1260 (5)	9.325	17701773	1446.846	ng/ml
46) Aroclor 1260 (6)	9.891	6885880	1411.053	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:05:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

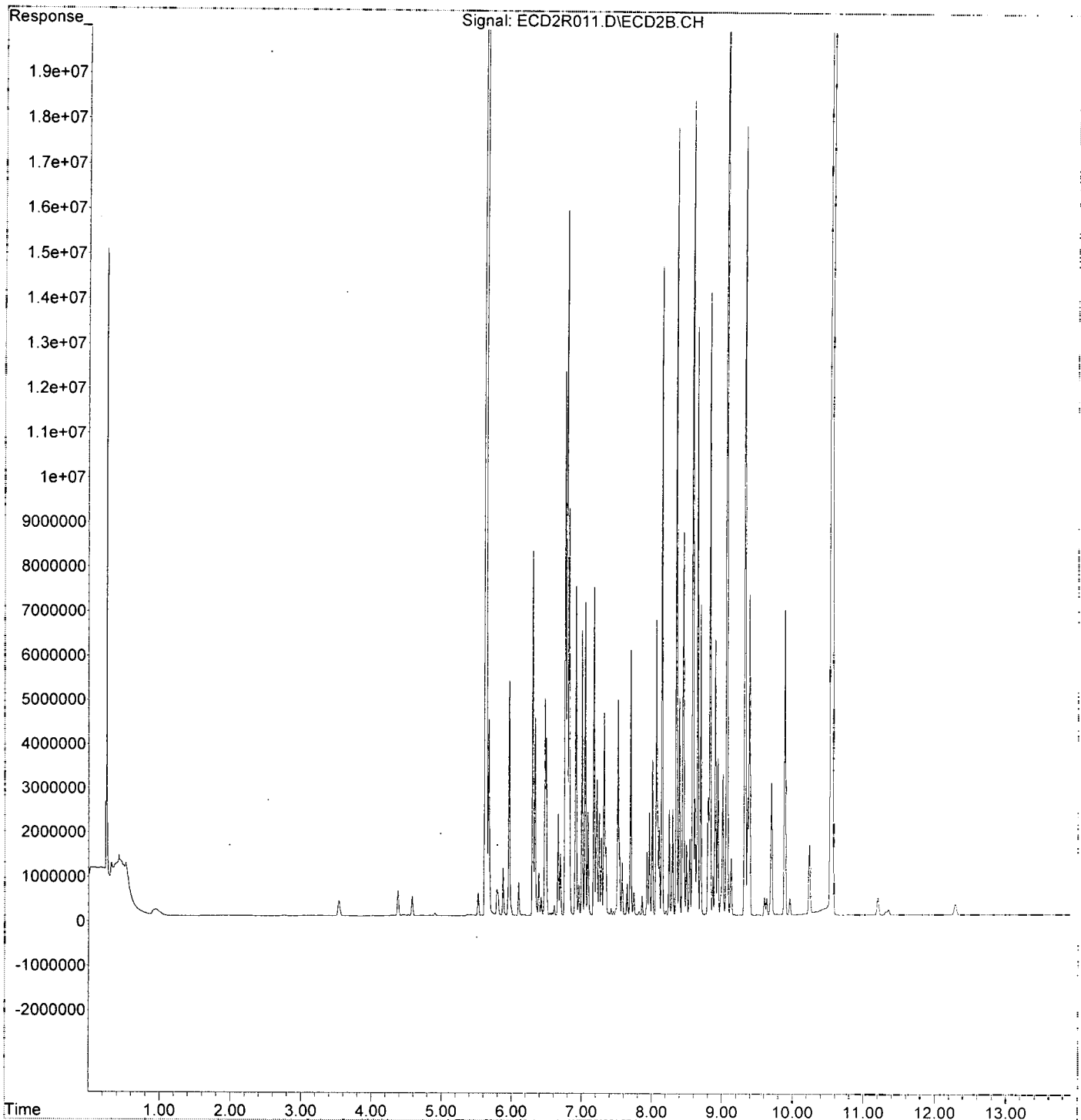
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:18
Operator : MJB / KAK
Sample : 0A13050-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:05:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:55:45 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 1/14/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	2095506	7.988 ng/ml
62) S DCBP (S)	10.551	1070638	7.294 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	145279	16.355 ng/ml
3) Aroclor 1016 (2)	6.790	249458	15.245 ng/ml
4) Aroclor 1016 (3)	6.917	116035	15.753 ng/ml
5) Aroclor 1016 (4)	7.004	117409	15.744 ng/ml
6) Aroclor 1016 (5)	7.049	131375	15.922 ng/ml
7) Aroclor 1016 (6)	7.174	135212	16.427 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	236430	14.980 ng/ml
42) Aroclor 1260 (2)	8.351	280991	14.356 ng/ml
43) Aroclor 1260 (3)	8.582	282360	14.025 ng/ml
44) Aroclor 1260 (4)	9.067	414593	13.397 ng/ml
45) Aroclor 1260 (5)	9.325	257901	14.410 ng/ml
46) Aroclor 1260 (6)	9.891	102375	14.840 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:55:45 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

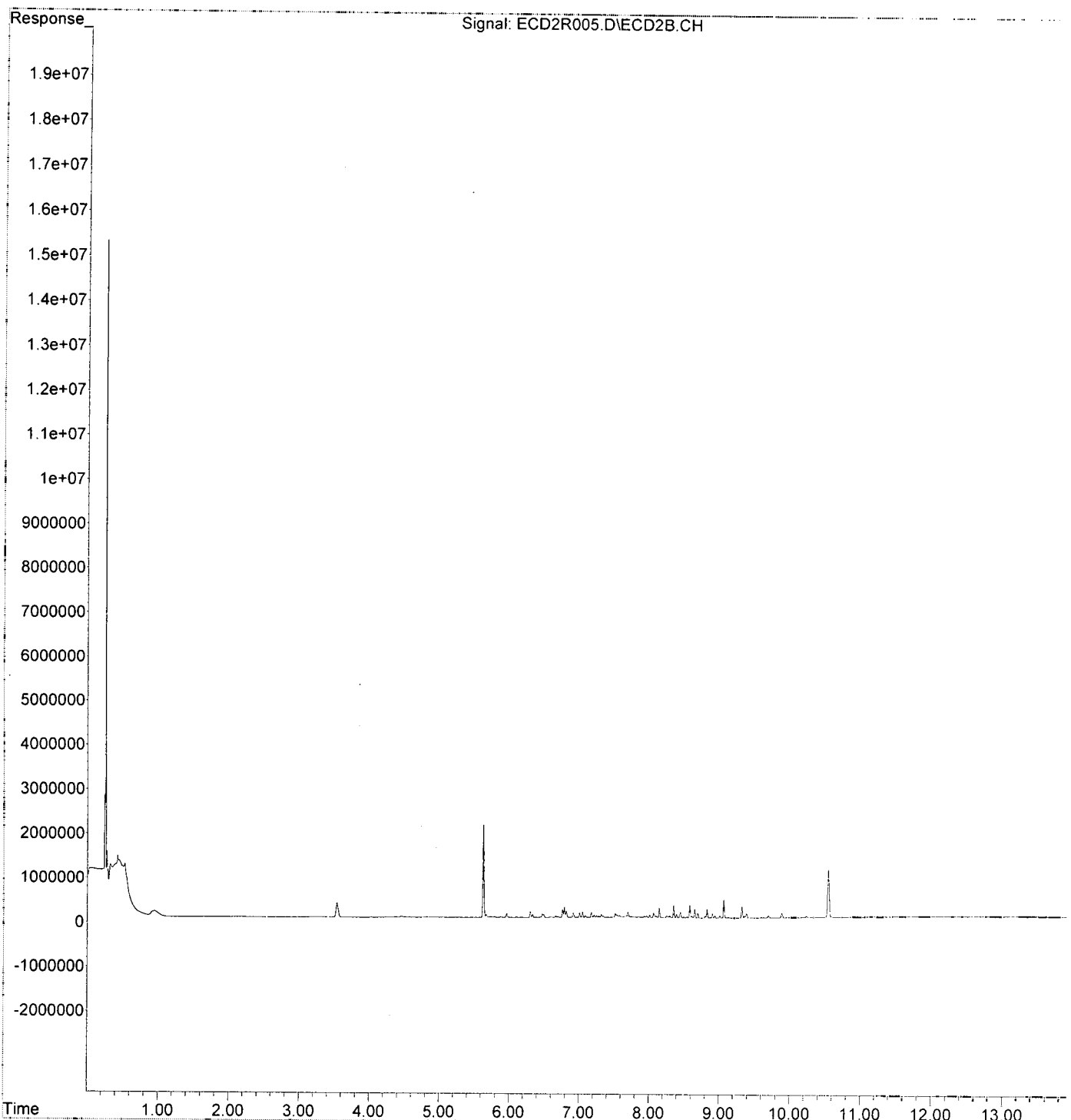
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 17:33
Operator : MJB / KAK
Sample : 0A13050-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 08:55:45 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	5312749	20.252 ng/ml
62) S DCBP (S)	10.550	2755983	18.775 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	343821	38.705 ng/ml
3) Aroclor 1016 (2)	6.790	597996	36.545 ng/ml
4) Aroclor 1016 (3)	6.917	290069	39.380 ng/ml
5) Aroclor 1016 (4)	7.004	278534	37.350 ng/ml
6) Aroclor 1016 (5)	7.048	307931	37.320 ng/ml
7) Aroclor 1016 (6)	7.174	315508	38.331 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	540959	34.275 ng/ml
42) Aroclor 1260 (2)	8.350	656411	33.635 ng/ml
43) Aroclor 1260 (3)	8.582	674172	33.487 ng/ml
44) Aroclor 1260 (4)	9.066	1047953	38.864 ng/ml
45) Aroclor 1260 (5)	9.325	608364	33.992 ng/ml
46) Aroclor 1260 (6)	9.891	261903	37.965 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

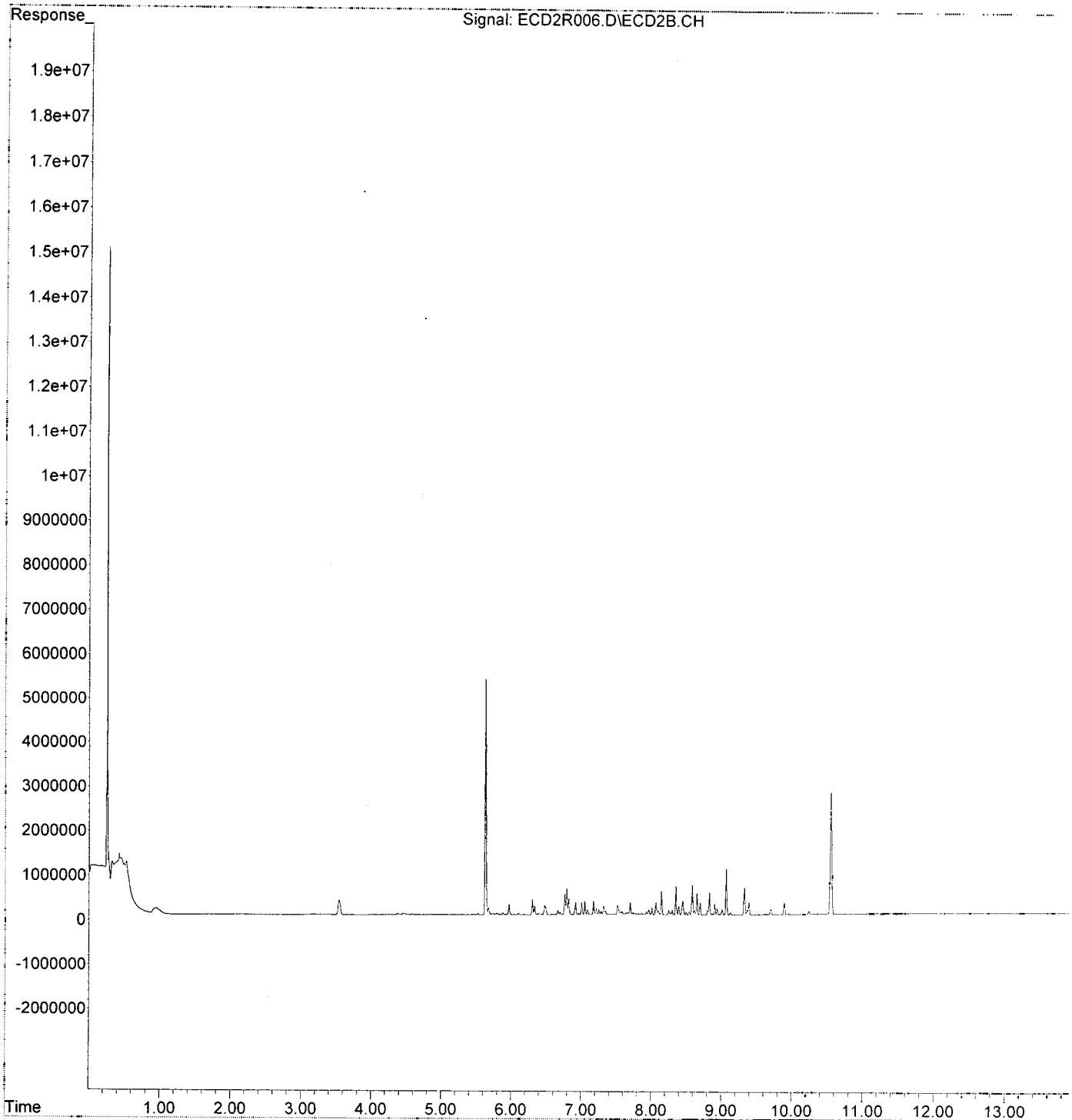
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 17:50
Operator : MJB / KAK
Sample : 0A13050-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:01:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:21 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	11084215	42.253 ng/ml
62) S DCBP (S)	10.550	5396453	36.763 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	639728	72.016 ng/ml
3) Aroclor 1016 (2)	6.790	1142660	69.831 ng/ml
4) Aroclor 1016 (3)	6.917	536991	72.903 ng/ml
5) Aroclor 1016 (4)	7.003	519409	69.651 ng/ml
6) Aroclor 1016 (5)	7.048	569313	68.999 ng/ml
7) Aroclor 1016 (6)	7.174	588135	71.453 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.143	1060465	67.191 ng/ml
42) Aroclor 1260 (2)	8.351	1321460	67.572 ng/ml
43) Aroclor 1260 (3)	8.582	1327338	65.831 ng/ml
44) Aroclor 1260 (4)	9.066	2051063	66.278 ng/ml
45) Aroclor 1260 (5)	9.325	1220407	68.190 ng/ml
46) Aroclor 1260 (6)	9.890	478851	69.413 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:21 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

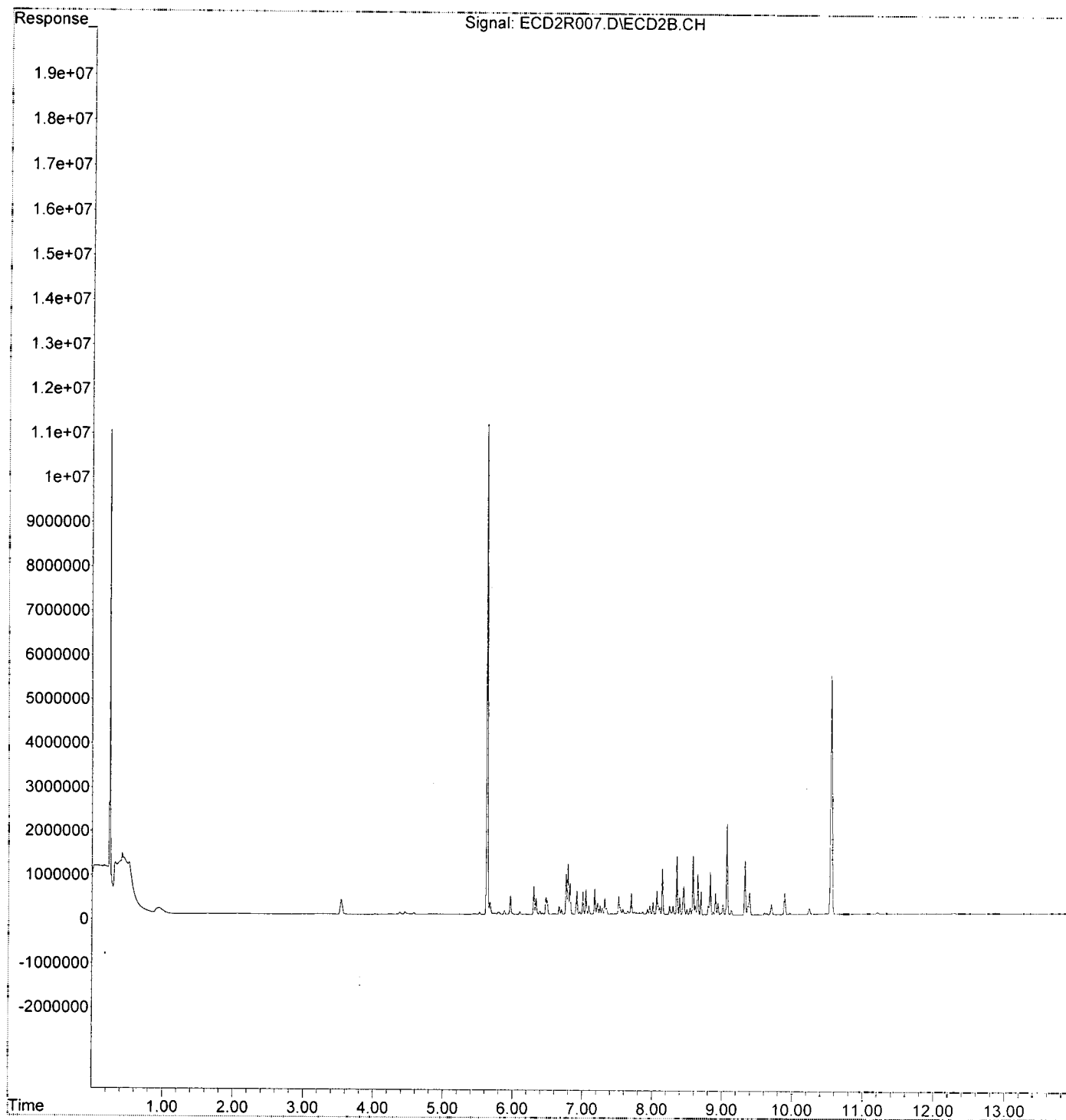
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:08
Operator : MJB / KAK
Sample : 0A13050-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:01:21 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.629	22681880	86.463 ng/ml
62) S DCBP (S)	10.551	10891716	74.199 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.301	1190843	134.057 ng/ml
3) Aroclor 1016 (2)	6.790	2334544	142.670 ng/ml
4) Aroclor 1016 (3)	6.917	1067264	144.894 ng/ml
5) Aroclor 1016 (4)	7.004	981904	131.670 ng/ml
6) Aroclor 1016 (5)	7.049	1076394	130.455 ng/ml
7) Aroclor 1016 (6)	7.174	1160064	140.937 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	2093221	132.628 ng/ml
42) Aroclor 1260 (2)	8.351	2511397	128.304 ng/ml
43) Aroclor 1260 (3)	8.582	2744238	136.311 ng/ml
44) Aroclor 1260 (4)	9.066	4251874	137.396 ng/ml
45) Aroclor 1260 (5)	9.325	2471890	128.116 ng/ml
46) Aroclor 1260 (6)	9.891	1008936	146.253 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

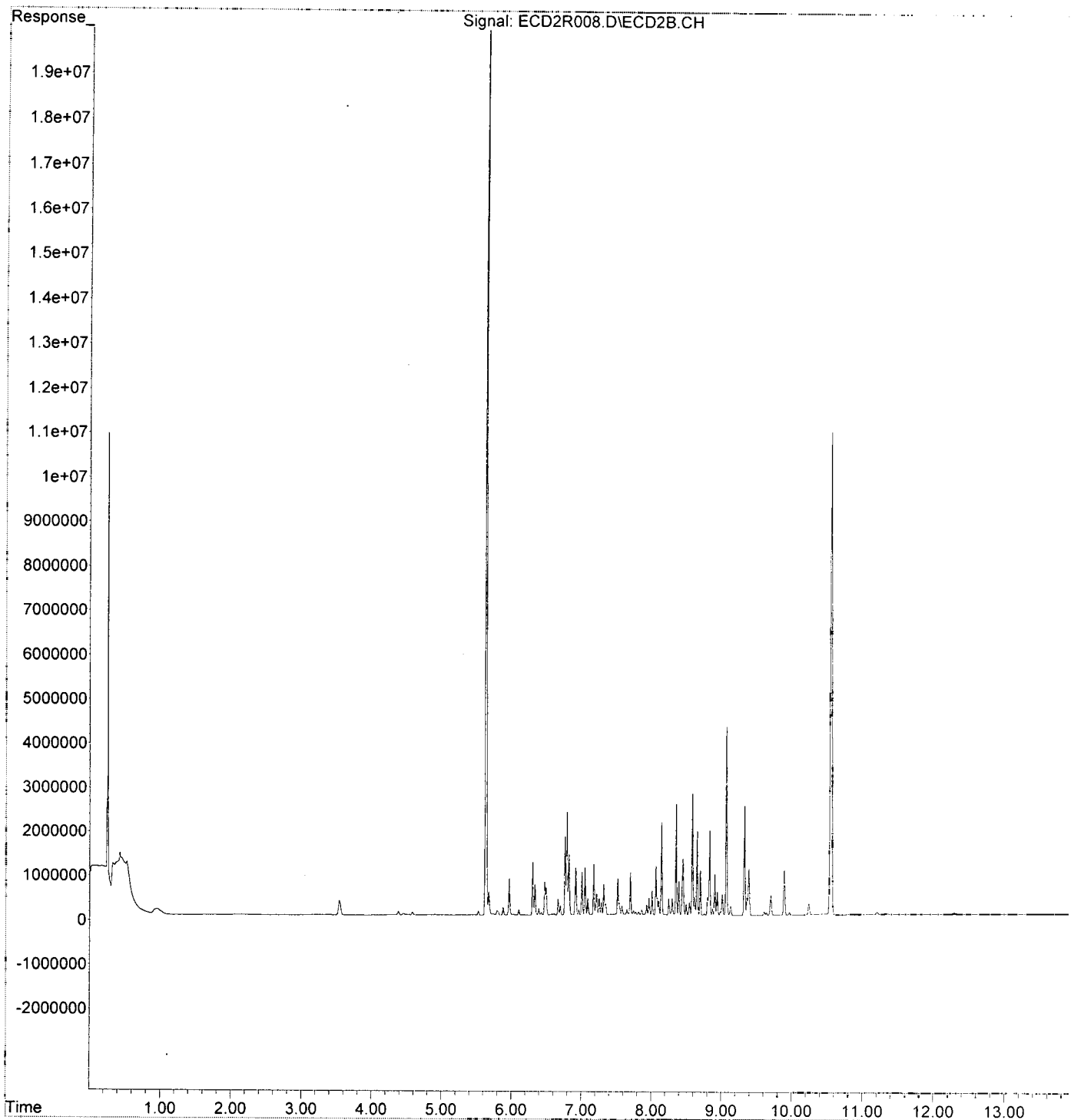
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:25
Operator : MJB / KAK
Sample : 0A13050-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:01:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:59:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.629	53881075	205.393 ng/ml
62) S DCBP (S)	10.552	25218318	171.798 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	2835860	319.242 ng/ml
3) Aroclor 1016 (2)	6.790	5484312	335.160 ng/ml
4) Aroclor 1016 (3)	6.917	2538905	344.687 ng/ml
5) Aroclor 1016 (4)	7.003	2203390	295.467 ng/ml
6) Aroclor 1016 (5)	7.048	2536989	307.474 ng/ml
7) Aroclor 1016 (6)	7.174	2573883	312.703 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	5080914	321.926 ng/ml
42) Aroclor 1260 (2)	8.351	6152313	314.315 ng/ml
43) Aroclor 1260 (3)	8.583	6540031	324.855 ng/ml
44) Aroclor 1260 (4)	9.066	10496732	339.193 ng/ml
45) Aroclor 1260 (5)	9.325	6070844	309.206 ng/ml
46) Aroclor 1260 (6)	9.891	2392226	346.773 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:59:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

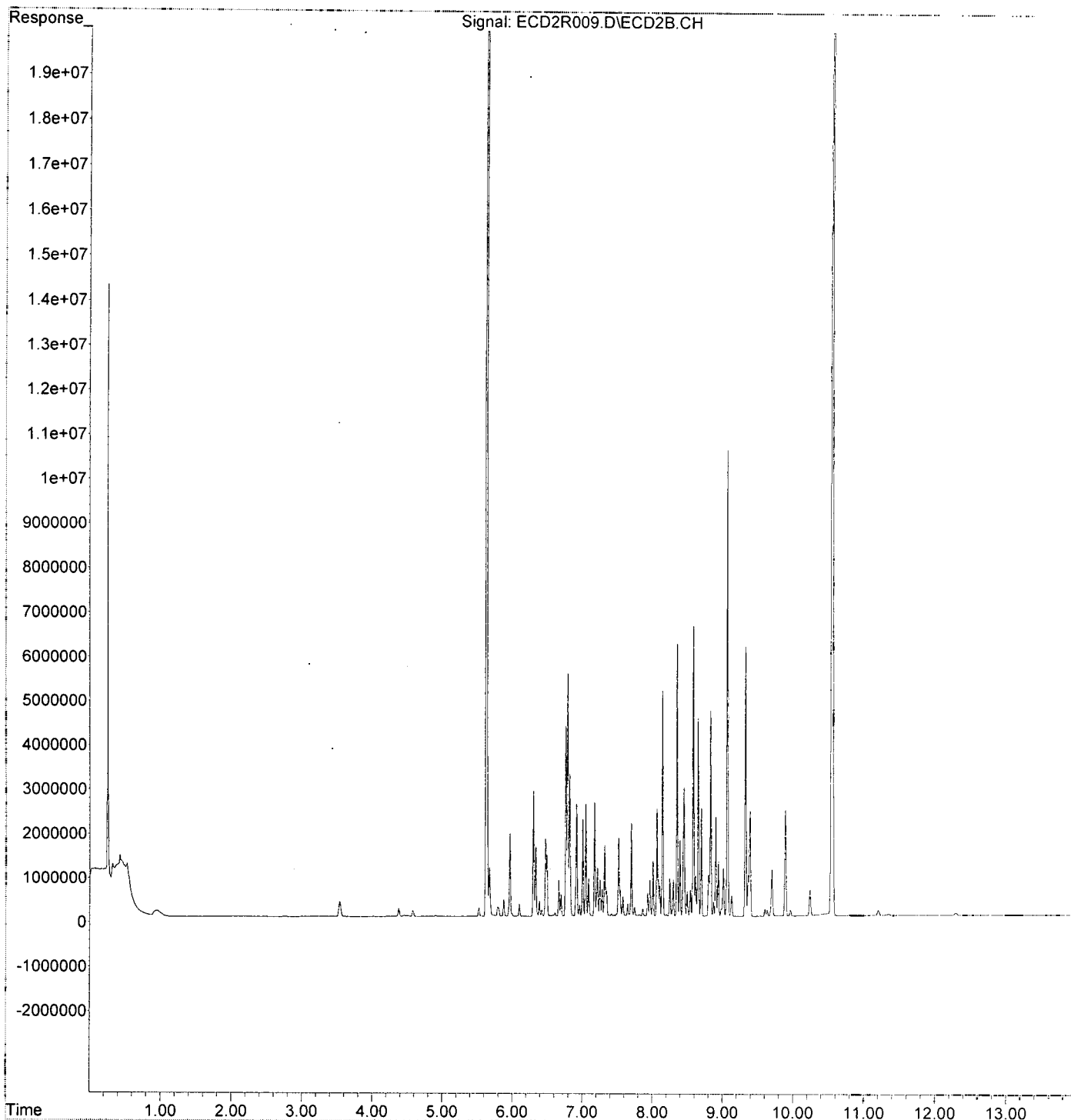
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:43
Operator : MJB / KAK
Sample : 0A13050-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 08:59:57 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:03 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.631	124870409	476.002 ng/ml
62) S DCBP (S)	10.551	58595711	399.179 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	5624087	633.122 ng/ml
3) Aroclor 1016 (2)	6.790	11025443	673.792 ng/ml
4) Aroclor 1016 (3)	6.917	5145954	698.624 ng/ml
5) Aroclor 1016 (4)	7.004	4338878	581.829 ng/ml
6) Aroclor 1016 (5)	7.048	5224293	633.166 ng/ml
7) Aroclor 1016 (6)	7.173	5149713	625.642 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.143	10123087	641.397 ng/ml
42) Aroclor 1260 (2)	8.350	12298764	628.330 ng/ml
43) Aroclor 1260 (3)	8.582	12961672	643.829 ng/ml
44) Aroclor 1260 (4)	9.066	21886590	707.247 ng/ml
45) Aroclor 1260 (5)	9.325	12074358	674.651 ng/ml
46) Aroclor 1260 (6)	9.890	4594659	666.033 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:03 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

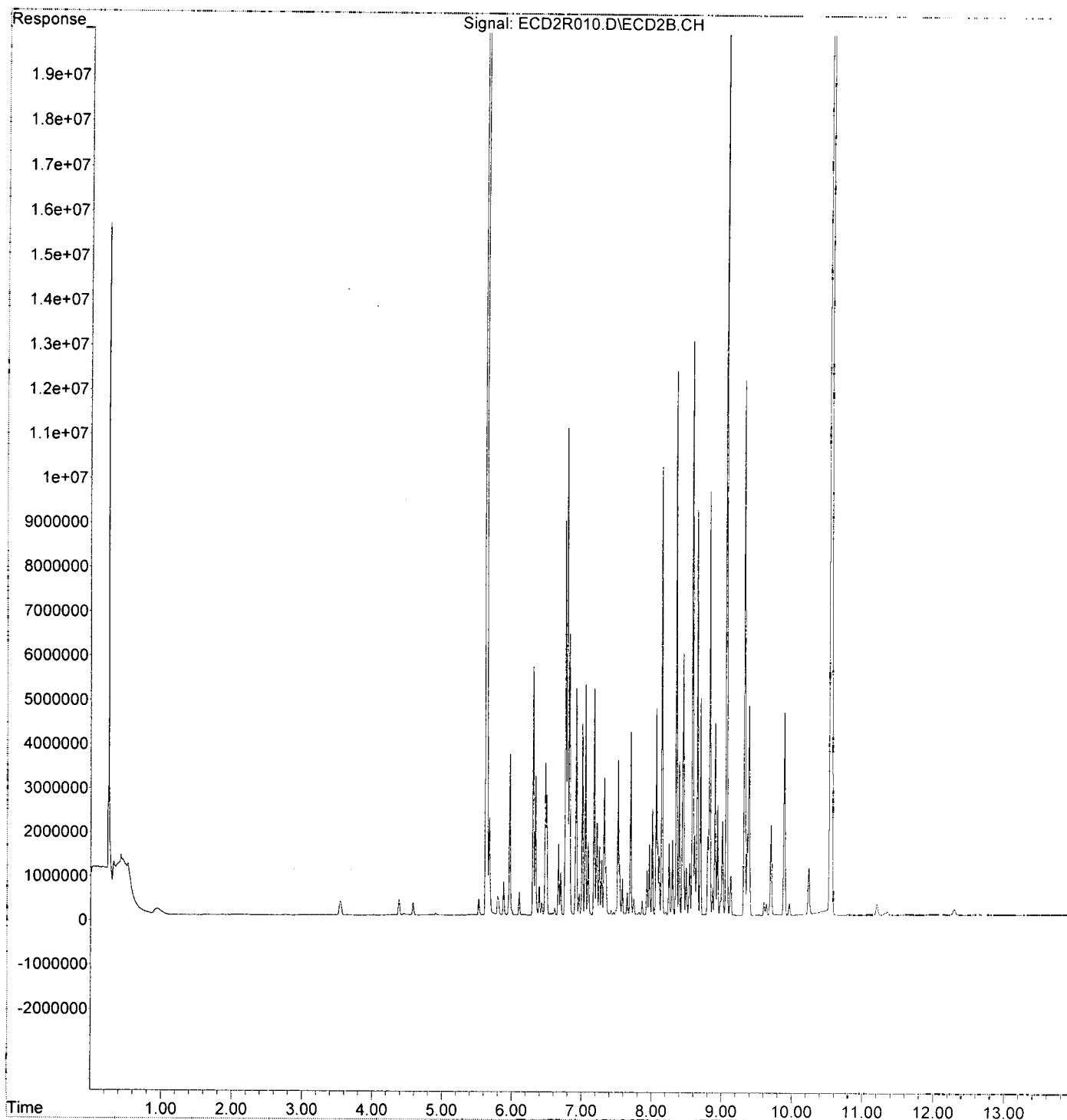
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:01
Operator : MJB / KAK
Sample : 0A13050-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:02:03 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.633	194842413	742.733 ng/ml
62) S DCBP (S)	10.553	101081415	688.610 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	8229290	926.399 ng/ml
3) Aroclor 1016 (2)	6.791	15844863	968.319 ng/ml
4) Aroclor 1016 (3)	6.917	7443643	1010.563 ng/ml
5) Aroclor 1016 (4)	7.004	6442401	865.904 ng/ml
6) Aroclor 1016 (5)	7.049	7076827	857.687 ng/ml
7) Aroclor 1016 (6)	7.174	7407214	899.907 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	14548054	921.762 ng/ml
42) Aroclor 1260 (2)	8.351	17676726	903.084 ng/ml
43) Aroclor 1260 (3)	8.583	18285536	908.274 ng/ml
44) Aroclor 1260 (4)	9.067	32592843	1053.210 ng/ml
45) Aroclor 1260 (5)	9.325	17701773	989.081 ng/ml
46) Aroclor 1260 (6)	9.891	6885880	998.164 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

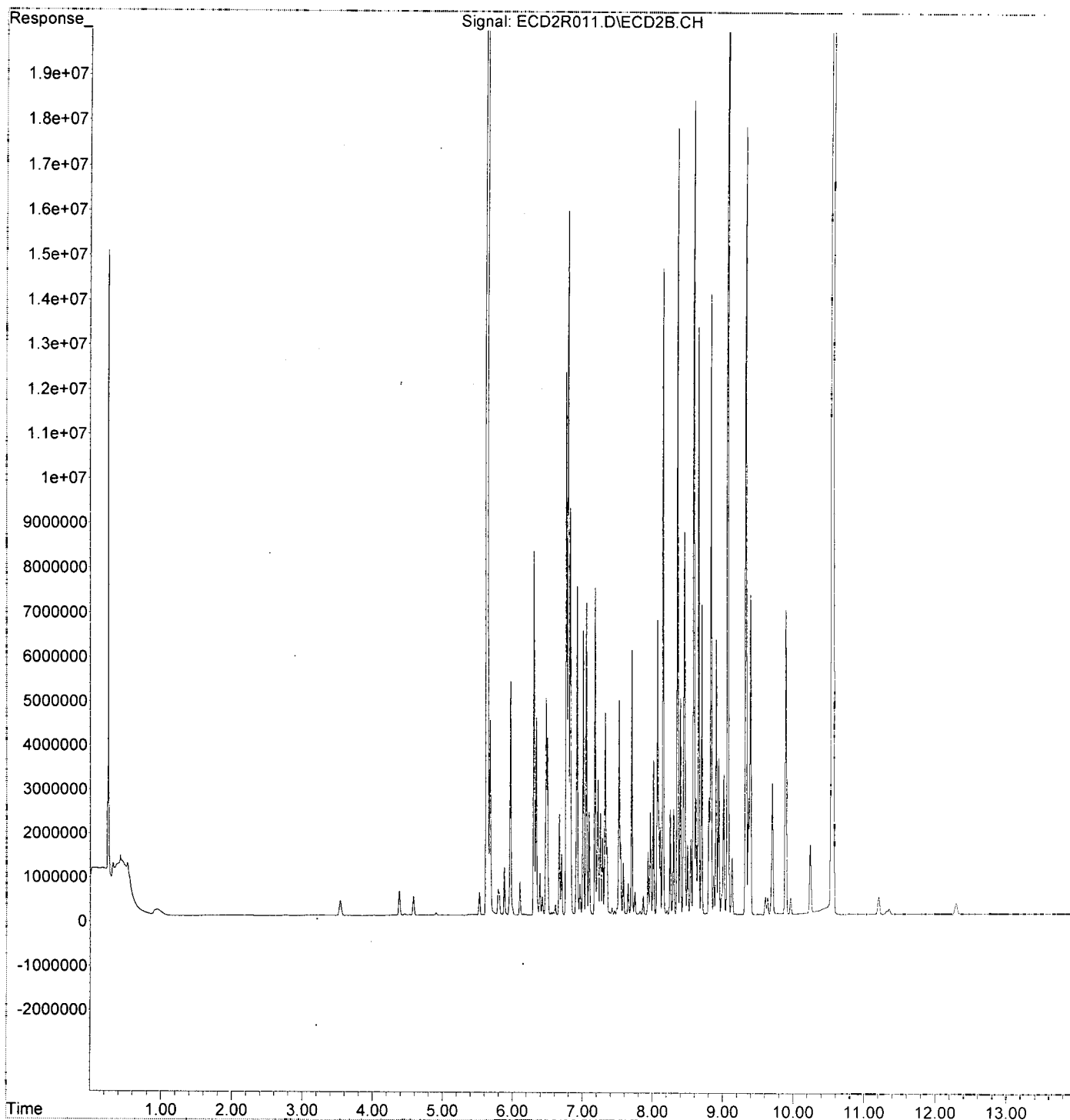
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:11
 Operator : MJB / KAK
 Sample : 0A13050-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:08:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:08:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.806	868760	405.233	ng/ml
10) Aroclor 1221 (2)	5.878	858489	392.721	ng/ml
11) Aroclor 1221 (3)	5.965	2853506	403.334	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature
 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:11
 Operator : MJB / KAK
 Sample : 0A13050-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:08:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:08:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

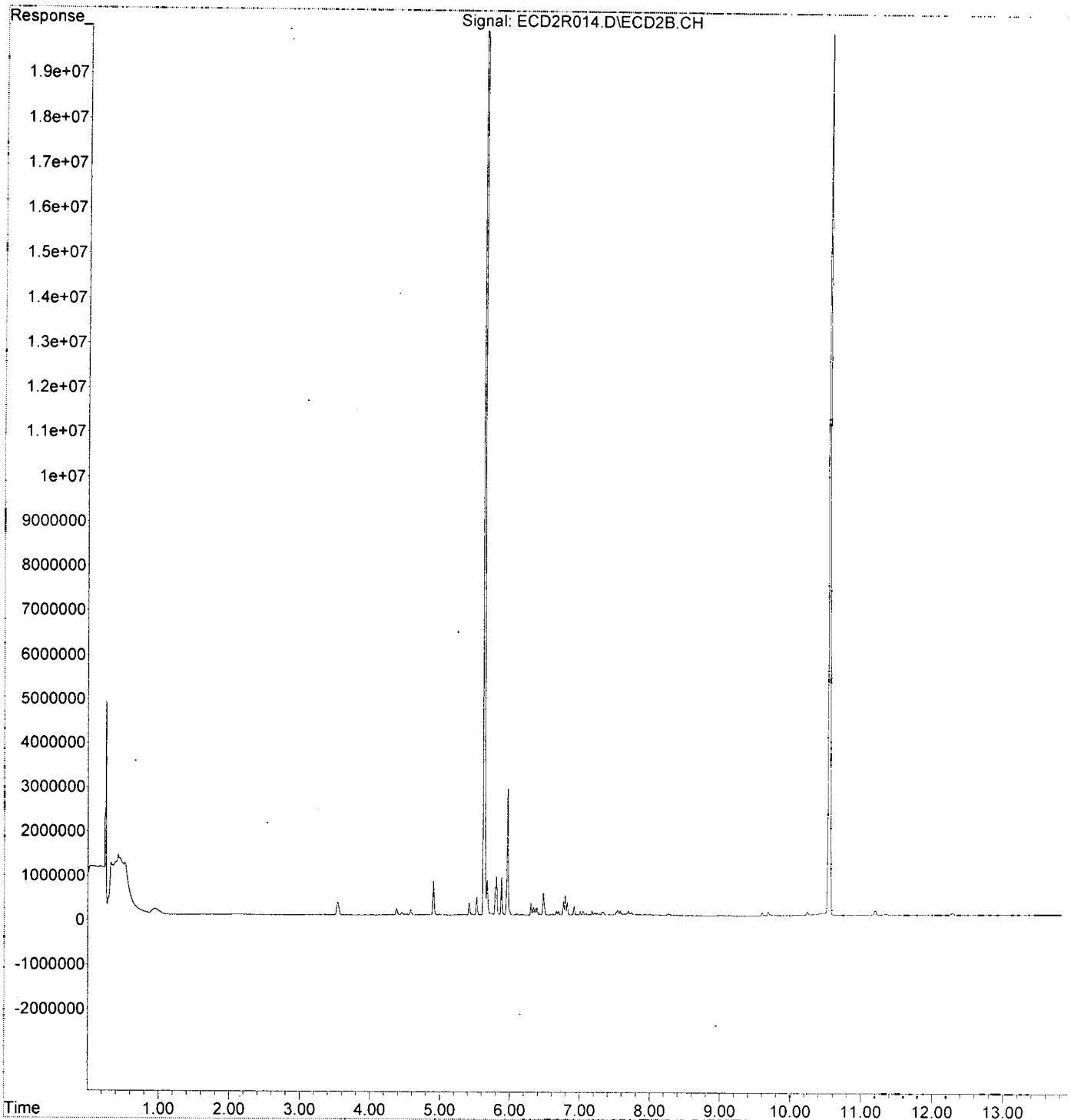
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 20:11
Operator : MJB / KAK
Sample : 0A13050-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:08:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:08:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:29
 Operator : MJB / KAK
 Sample : 0A13050-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:09:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:09:49 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.963	2284999	399.149	ng/ml
14) Aroclor 1232 (2)	6.298	1301366	374.360	ng/ml
15) Aroclor 1232 (3)	6.789	2445980	377.801	ng/ml
16) Aroclor 1232 (4)	7.002	845919	354.297	ng/ml
17) Aroclor 1232 (5)	7.047	1040422	380.779	ng/ml
18) Aroclor 1232 (6)	7.172	1084837	365.755	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:29
 Operator : MJB / KAK
 Sample : 0A13050-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:09:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:09:49 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

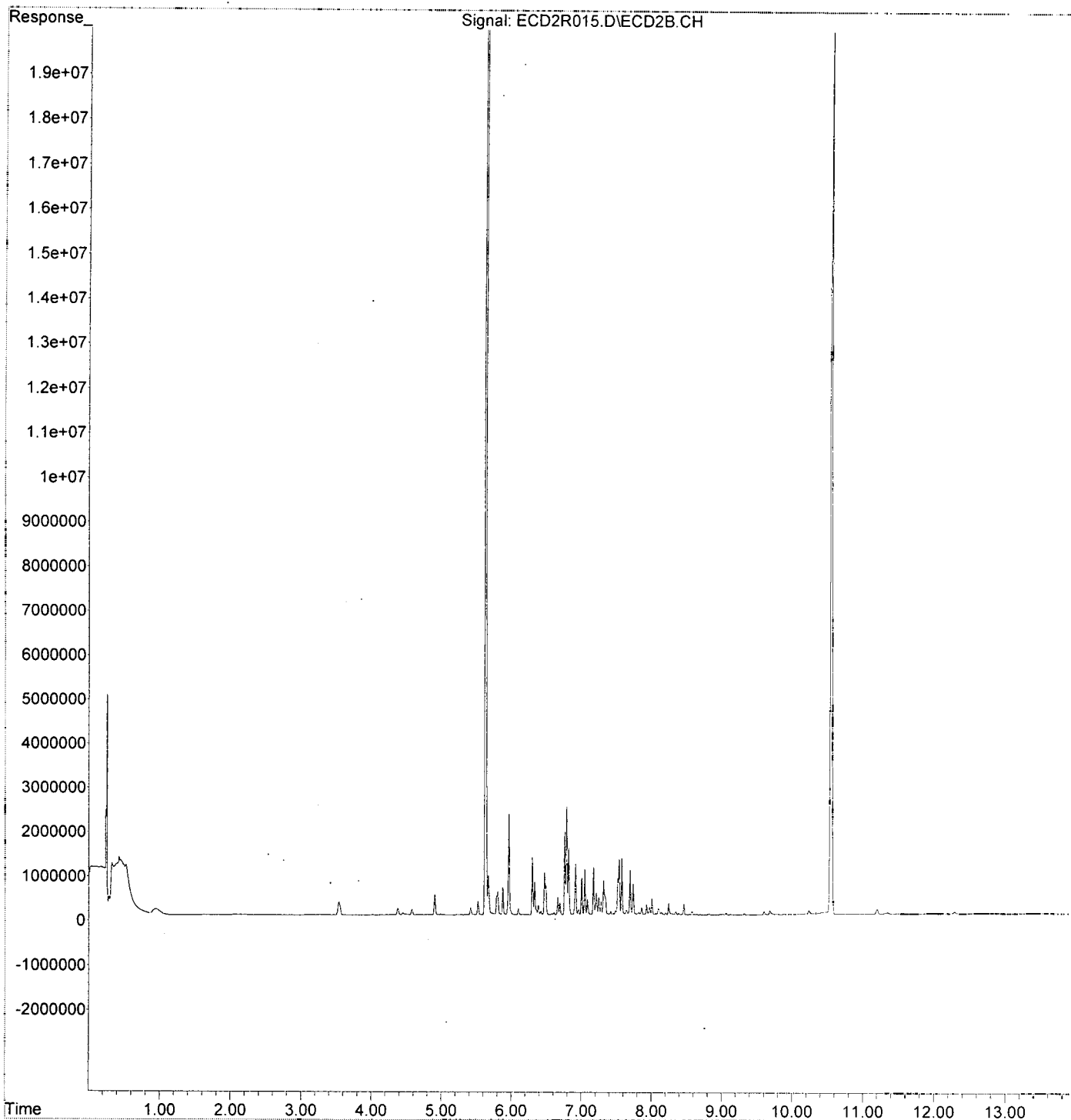
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 20:29
Operator : MJB / KAK
Sample : 0A13050-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:09:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:09:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:46
 Operator : MJB / KAK
 Sample : 0A13050-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:11:35 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:11:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.299	2273165	346.971	ng/ml
21) Aroclor 1242 (2)	6.788	4411225	372.830	ng/ml
22) Aroclor 1242 (3)	6.916	1915085	362.587	ng/ml
23) Aroclor 1242 (4)	7.003	1651796	330.840	ng/ml
24) Aroclor 1242 (5)	7.047	1996964	343.471	ng/ml
25) Aroclor 1242 (6)	7.172	2085406	326.623	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:46
 Operator : MJB / KAK
 Sample : 0A13050-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:11:35 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:11:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

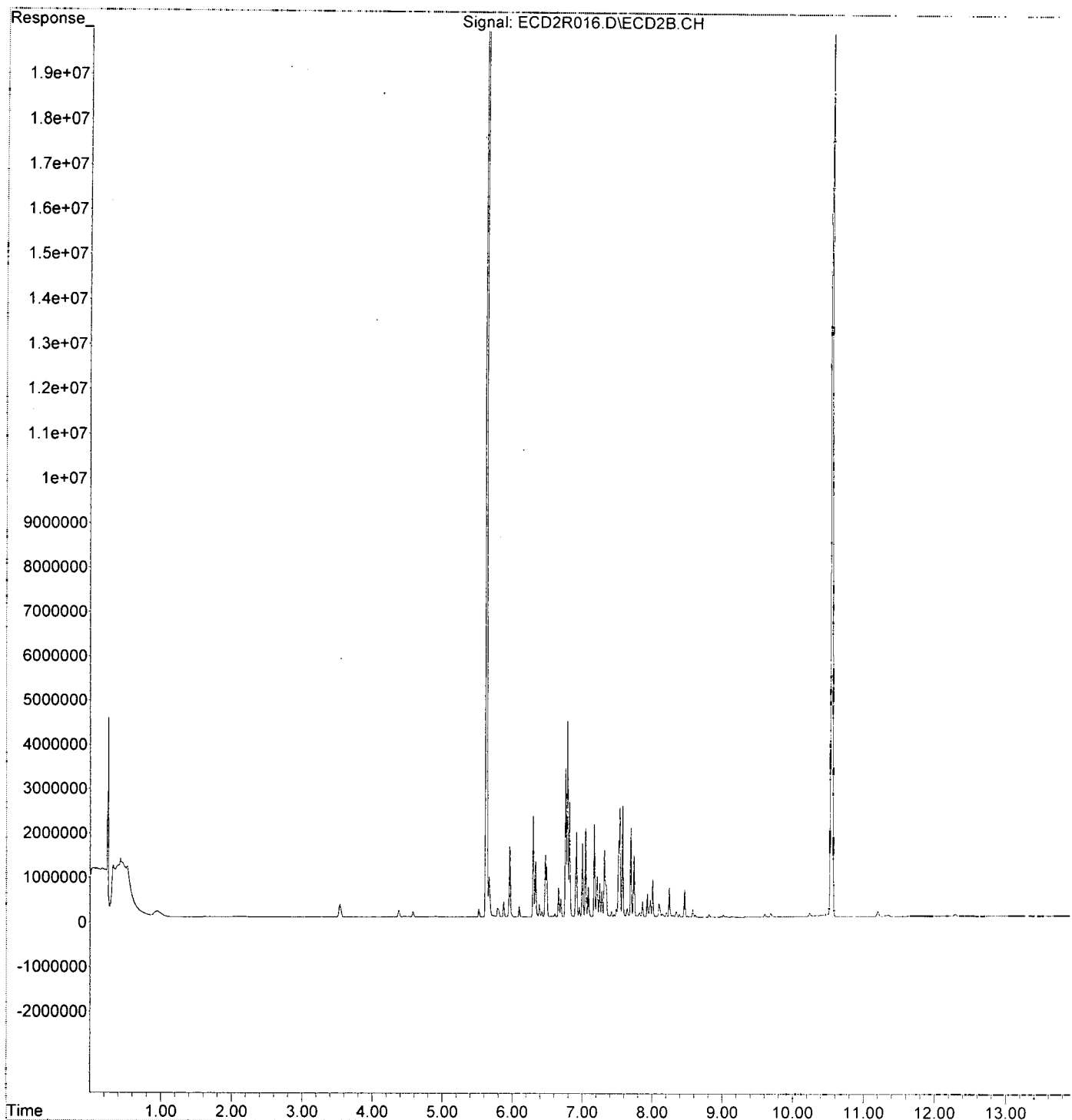
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 20:46
Operator : MJB / KAK
Sample : 0A13050-CALA
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:11:35 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:11:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:04
 Operator : MJB / KAK
 Sample : 0A13050-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:13:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:13:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.761	2581015	345.871	ng/ml
28) Aroclor 1248 (2)	7.003	3179675	340.576	ng/ml
29) Aroclor 1248 (3)	7.047	2967887	338.430	ng/ml
30) Aroclor 1248 (4)	7.172	3647754	348.382	ng/ml
31) Aroclor 1248 (5)	7.538	4450876	344.149	ng/ml
32) Aroclor 1248 (6)	7.695	4070608	345.227	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:04
 Operator : MJB / KAK
 Sample : 0A13050-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:13:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:13:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

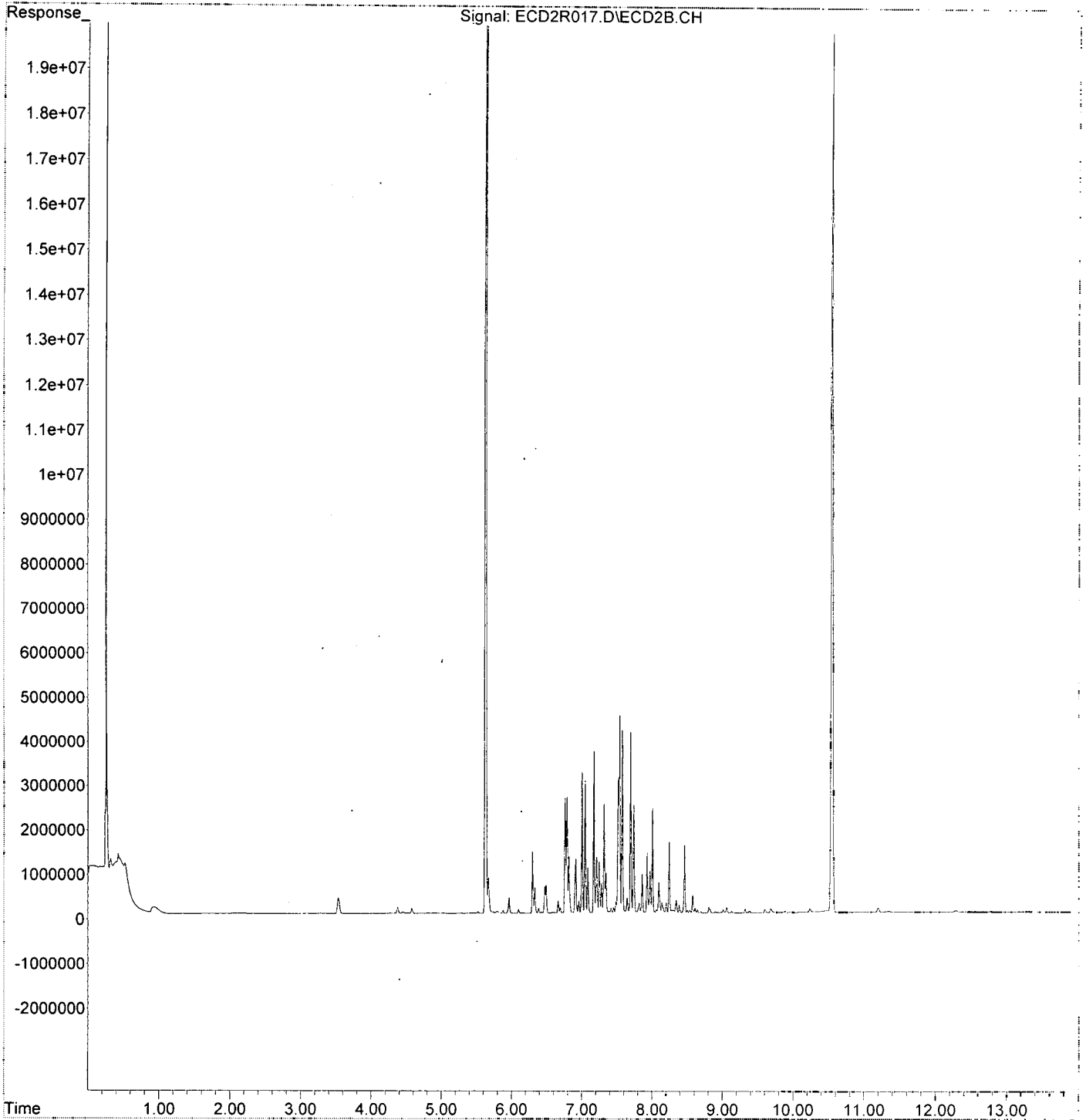
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:04
Operator : MJB / KAK
Sample : 0A13050-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:13:19 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:13:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:22
 Operator : MJB / KAK
 Sample : 0A13050-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:15:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:14:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.515	4236924	327.807	ng/ml
35) Aroclor 1254 (2)	7.696	6954916	343.494	ng/ml
36) Aroclor 1254 (3)	8.006	7587169	354.082	ng/ml
37) Aroclor 1254 (4)	8.246	5458243	330.470	ng/ml
38) Aroclor 1254 (5)	8.580	5624331	358.394	ng/ml
39) Aroclor 1254 (6)	8.810	1763591	360.642	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:22
 Operator : MJB / KAK
 Sample : 0A13050-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:15:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:14:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

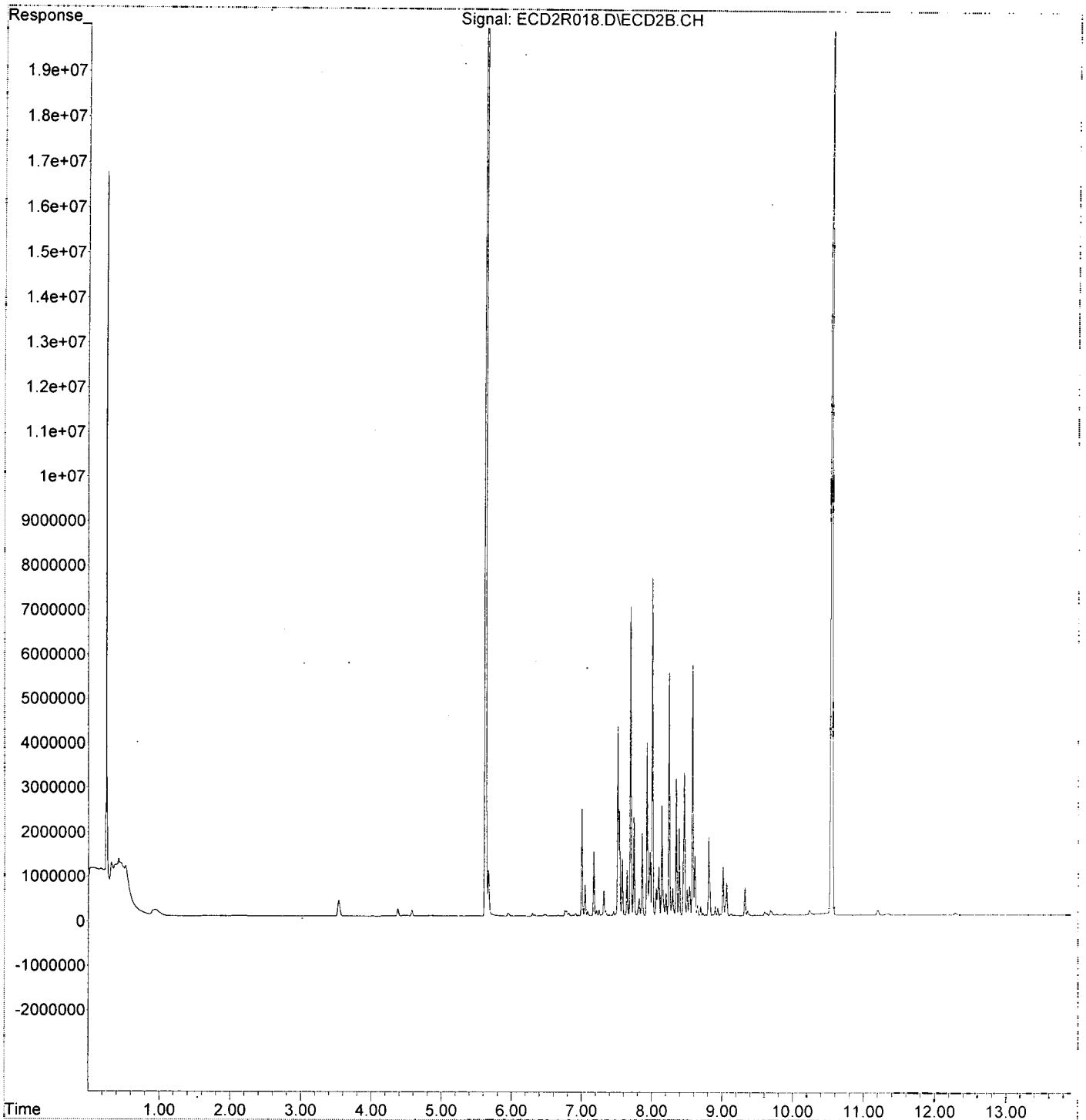
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:22
Operator : MJB / KAK
Sample : 0A13050-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:15:06 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:14:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:39
 Operator : MJB / KAK
 Sample : 0A13050-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:29:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:29:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 1/14/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:39
 Operator : MJB / KAK
 Sample : 0A13050-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:29:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:29:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	5285848	349.281 ng/ml
49) Aroclor 1262 (2)	8.650	7638753	361.098 ng/ml
50) Aroclor 1262 (3)	8.828	6402101	366.499 ng/ml
51) Aroclor 1262 (4)	9.065	13762305	384.322 ng/ml
52) Aroclor 1262 (5)	9.324	8209776	373.769 ng/ml
53) Aroclor 1262 (6)	9.888	3600266	371.141 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

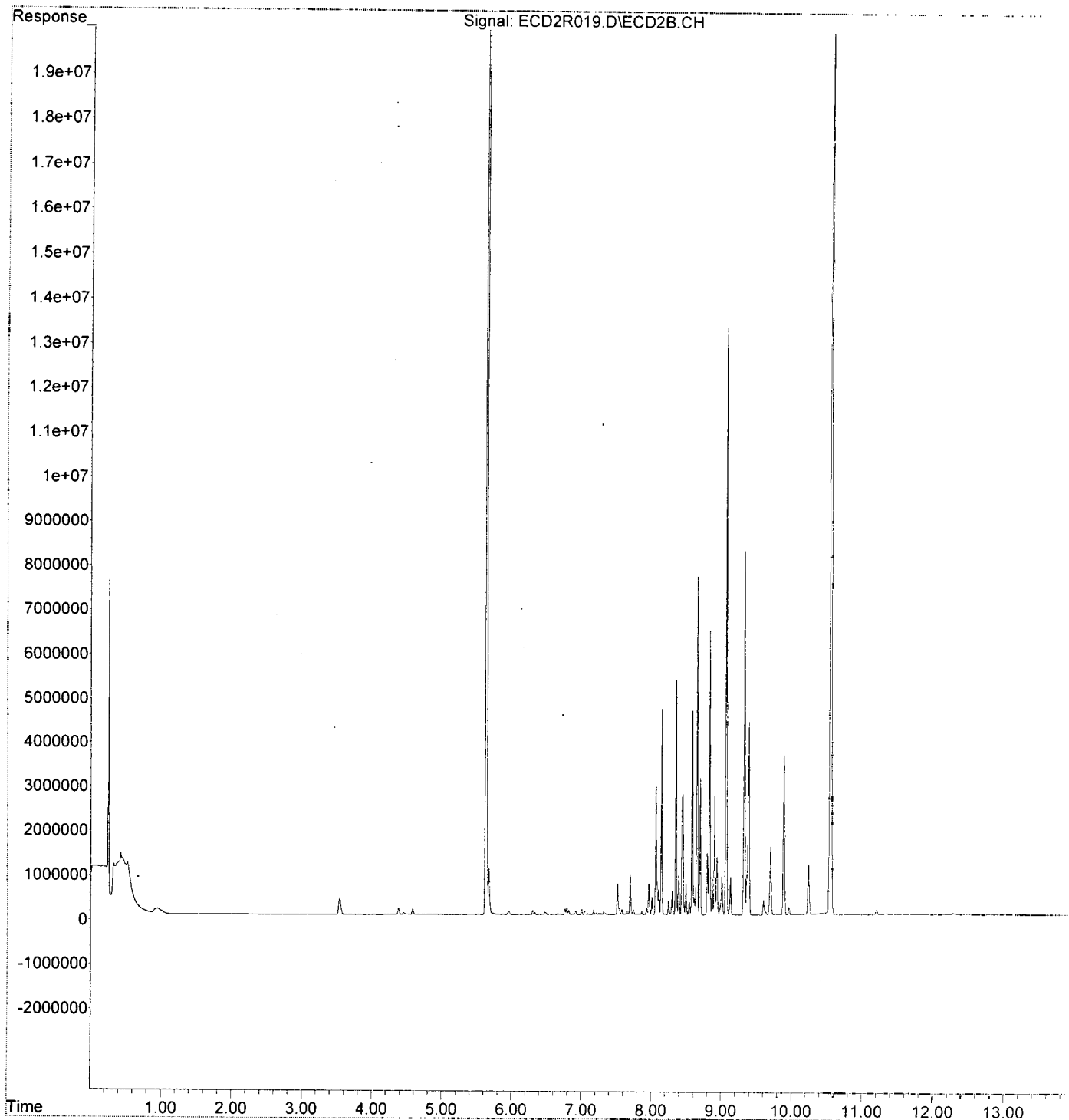
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 1/14/20

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:39
Operator : MJB / KAK
Sample : 0A13050-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:29:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:29:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:57
 Operator : MJB / KAK
 Sample : 0A13050-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:31:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:31:47 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 1/14/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:57
 Operator : MJB / KAK
 Sample : 0A13050-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:31:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:31:47 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/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)	8.867	3116077	333.865	ng/ml
56) Aroclor 1268 (2)	9.324	13883261	353.838	ng/ml
57) Aroclor 1268 (3)	9.390	11258146	357.094	ng/ml
58) Aroclor 1268 (4)	9.601	9626631	355.419	ng/ml
59) Aroclor 1268 (5)	9.888	3911591	369.151	ng/ml
60) Aroclor 1268 (6)	10.237	25307518	344.410	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

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 1/14/20

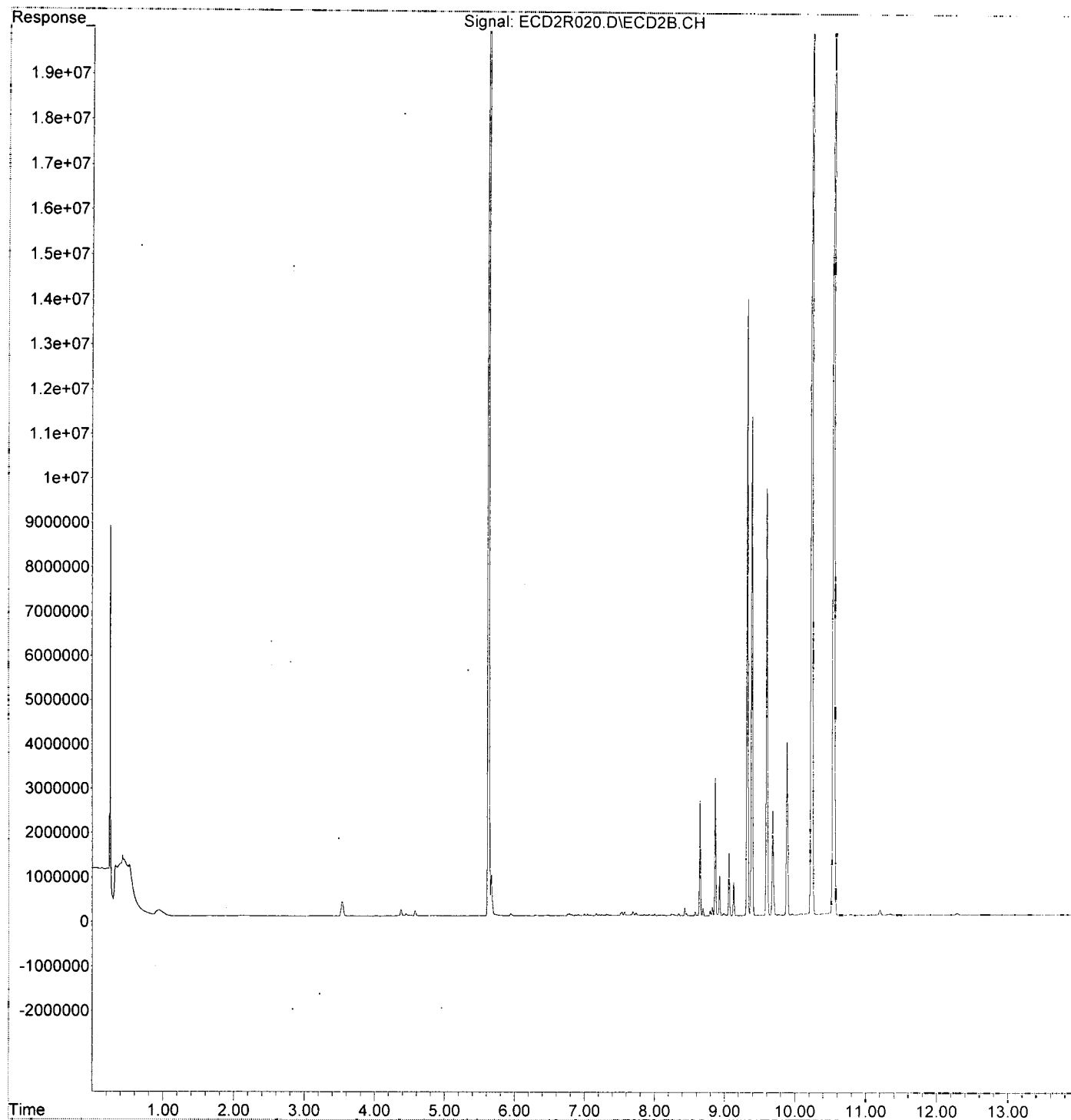
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0A13050\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:57
Operator : MJB / KAK
Sample : 0A13050-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:31:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:31:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0B18016 (Cal ID A0B1902) DUALECD2F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0B18016**

Instrument: **DUALECD2F**

Date: **02/18/20 07:14**

Calibration: **A0B1902**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0B18016-ICB1	Water	QC	QC				A20A395
2	0B18016-CAL1	Water	QC	QC				A19L280
3	0B18016-CAL2	Water	QC	QC				A19L281
4	0B18016-CAL3	Water	QC	QC				A19L282
5	0B18016-CAL4	Water	QC	QC				A19L283
6	0B18016-CAL5	Water	QC	QC				A19L276
7	0B18016-CAL6	Water	QC	QC				A19L278
8	0B18016-CAL7	Water	QC	QC				A19L279
9	0B18016-IBL1	Water	QC	QC				
10	0B18016-ICV1	Water	QC	QC				A19H459
11	0B18016-CAL8	Water	QC	QC				A19H447
12	0B18016-CAL9	Water	QC	QC				A19H448
13	0B18016-CALA	Water	QC	QC				A19H449
14	0B18016-CALB	Water	QC	QC				A19H450
15	0B18016-CALC	Water	QC	QC				A19H451
16	0B18016-CALD	Water	QC	QC				A19H452
17	0B18016-CALE	Water	QC	QC				A19H453
18	0B18016-ICV2	Water	QC	QC				A19H405
19	0B18016-ICV3	Water	QC	QC				A19J367
20	0B18016-ICV4	Water	QC	QC				A19H406
21	0B18016-ICV5	Water	QC	QC				A20B130

Data Entered By: MC 2/19/20

Comments:

Data Reviewed By: MVZ 2/20/2020

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200218.M
 Title : PCB Data Analysis
 Last Update : Wed Feb 19 09:08:18 2020
 Response Via : Initial Calibration

A0B190Z

[Handwritten signature]
 2/19/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0B18016\ECD2F008.D
2	2	25	0	K:\DATA\0B18016\ECD2F009.D
3	3	50	0	K:\DATA\0B18016\ECD2F010.D
4	4	100	0	K:\DATA\0B18016\ECD2F011.D
5	5	250	0	K:\DATA\0B18016\ECD2F023.D
6	6	500	0	K:\DATA\0B18016\ECD2F013.D
7	7	800	0	K:\DATA\0B18016\ECD2F014.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Feb 19 09:05 2020	Feb 19 08:44 2020	18 Feb 2020 9:47
2	2	Feb 19 09:06 2020	Feb 19 08:45 2020	18 Feb 2020 10:04
3	3	Feb 19 09:06 2020	Feb 19 08:47 2020	18 Feb 2020 10:22
4	4	Feb 19 09:06 2020	Feb 19 08:48 2020	18 Feb 2020 10:40
5	5	Feb 19 09:08 2020	Feb 19 09:05 2020	18 Feb 2020 14:11
6	6	Feb 19 09:06 2020	Feb 19 08:49 2020	18 Feb 2020 11:15
7	7	Feb 19 09:06 2020	Feb 19 08:51 2020	18 Feb 2020 11:32

FECD2_QUANTPCB_200218.M Wed Feb 19 09:32:40 2020

Response Factor Report HP G1530A

Method Path: K:\METHODS\
 Method File: FECD2_QUANTPCB_200218.M
 Title: PCB Data Analysis
 Last Update: Wed Feb 19 09:08:18 2020
 Response Via: Initial Calibration

Calibration Files

1 =ECD2F008.D 2 =ECD2F009.D 3 =ECD2F010.D
 4 =ECD2F011.D 5 =ECD2F023.D 6 =ECD2F013.D

Handwritten: 2/19/20
 A081902

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	7.350	7.632	7.486	7.955	7.448	8.629	7.893	E4 7.33
2) Aroclor 1016 ...	5.721	5.165	4.485	4.404	4.286	4.175	4.608	E3 13.28✓
3) Aroclor 1016 ...	9.758	9.100	8.745	8.513	8.488	8.442	8.800	E3 5.45✓
4) Aroclor 1016 ...	5.487	5.169	4.618	4.661	4.574	4.577	4.787	E3 8.10✓
5) Aroclor 1016 ...	5.435	4.833	4.615	4.174	4.076	3.930	4.432	E3 12.58✓
6) Aroclor 1016 ...	6.226	5.608	5.066	5.040	4.731	4.405	5.114	E3 12.07✓
7) Aroclor 1016 (6)	4.529	3.943	3.702	3.630	3.527	3.182	3.697	E3 11.90✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.363		1.363	E3 0.00
10) Aroclor 1221 (2)					9.212		9.212	E2 0.00
11) Aroclor 1221 (3)					2.837		2.837	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					2.366		2.366	E3 0.00
14) Aroclor 1232 (2)					3.587		3.587	E3 0.00
15) Aroclor 1232 (3)					1.968		1.968	E3 0.00
16) Aroclor 1232 (4)					1.519		1.519	E3 0.00
17) Aroclor 1232 (5)					1.930		1.930	E3 0.00
18) Aroclor 1232 (6)					1.575		1.575	E3 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					3.521		3.521	E3 0.00
21) Aroclor 1242 ...					7.174		7.174	E3 0.00
22) Aroclor 1242 ...					3.676		3.676	E3 0.00
23) Aroclor 1242 ...					3.274		3.274	E3 0.00
24) Aroclor 1242 ...					4.099		4.099	E3 0.00
25) Aroclor 1242 (6)					3.408		3.408	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					4.362		4.362	E3 0.00
28) Aroclor 1248 ...					5.705		5.705	E3 0.00
29) Aroclor 1248 ...					6.474		6.474	E3 0.00
30) Aroclor 1248 ...					7.354		7.354	E3 0.00
31) Aroclor 1248 ...					7.546		7.546	E3 0.00
32) Aroclor 1248 (6)					4.103		4.103	E3 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					8.860		8.860	E3 0.00
35) Aroclor 1254 ...					1.108		1.108	E4 0.00
36) Aroclor 1254 ...					1.664		1.664	E4 0.00
37) Aroclor 1254 ...					1.063		1.063	E4 0.00
38) Aroclor 1254 ...					1.158		1.158	E4 0.00
39) Aroclor 1254 (6)					3.731		3.731	E3 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	1.169	1.067	1.032	1.027	0.959	0.917	1.017	E4 8.38✓
42) Aroclor 1260 ...	1.447	1.318	1.209	1.280	1.192	1.177	1.264	E4 7.50✓
43) Aroclor 1260 (3)	1.093	0.987	0.967	0.898	0.928	0.897	0.950	E4 7.76✓
44) Aroclor 1260 (4)	2.378	2.324	2.170	2.245	2.270	2.142	2.250	E4 3.69✓
45) Aroclor 1260 (5)	1.635	1.574	1.504	1.533	1.475	1.431	1.520	E4 4.46✓
46) Aroclor 1260 (6)	7.032	6.207	6.110	6.034	5.917	5.645	6.139	E3 7.04✓
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					1.074		1.074	E4 0.00
49) Aroclor 1262 (2)					1.532		1.532	E4 0.00
50) Aroclor 1262 (3)					1.277		1.277	E4 0.00
51) Aroclor 1262 (4)					2.830		2.830	E4 0.00
52) Aroclor 1262 (5)					1.807		1.807	E4 0.00
53) Aroclor 1262 (6)					9.055		9.055	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					6.426		6.426	E3 0.00
56) Aroclor 1268 (2)					2.968		2.968	E4 0.00
57) Aroclor 1268 (3)					2.498		2.498	E4 0.00
58) Aroclor 1268 (4)					2.306		2.306	E4 0.00
59) Aroclor 1268 (5)					9.210		9.210	E3 0.00
60) Aroclor 1268 (6)					6.486		6.486	E4 0.00

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200218.M
 Title : PCB Data Analysis
 Last Update : Wed Feb 19 09:08:18 2020
 Response Via : Initial Calibration

Calibration Files

1	=ECD2F008.D	2	=ECD2F009.D	3	=ECD2F010.D
4	=ECD2F011.D	5	=ECD2F023.D	6	=ECD2F013.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	1.375	1.333	1.368	1.365	1.293	1.365	1.358 E5	2.70 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200218.M
 Title : PCB Data Analysis
 Last Update : Wed Feb 19 09:08:18 2020
 Response Via : Initial Calibration

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 2/19/20

Total Cpnds : 62

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	4.780	1.000	A	H	L
2	Aroclor 1016 (1)	5.692	1.000	A	H	R
3	Aroclor 1016 (2)	6.105	1.000	A	H	R
4	Aroclor 1016 (3)	6.186	1.000	A	H	R
5	Aroclor 1016 (4)	6.343	1.000	A	H	R
6	Aroclor 1016 (5)	6.565	1.000	A	H	R
7	Aroclor 1016 (6)	6.691	1.000	A	H	R
8	Aroclor 1016 - AVE	0.746	1.000	A	H	R
9	Aroclor 1221 (1)	5.133	1.000	A	H	R
10	Aroclor 1221 (2)	5.252	1.000	A	H	R
11	Aroclor 1221 (3)	5.333	1.000	A	H	R
12	Aroclor 1221 - AVE	0.746	1.000	A	H	R
13	Aroclor 1232 (1)	5.332	1.000	A	H	R
14	Aroclor 1232 (2)	6.104	1.000	A	H	R
15	Aroclor 1232 (3)	6.187	1.000	A	H	R
16	Aroclor 1232 (4)	6.344	1.000	A	H	R
17	Aroclor 1232 (5)	6.566	1.000	A	H	R
18	Aroclor 1232 (6)	6.691	1.000	A	H	R
19	Aroclor 1232 - AVE	0.746	1.000	A	H	R
20	Aroclor 1242 (1)	5.692	1.000	A	H	R
21	Aroclor 1242 (2)	6.105	1.000	A	H	R
22	Aroclor 1242 (3)	6.186	1.000	A	H	R
23	Aroclor 1242 (4)	6.344	1.000	A	H	R
24	Aroclor 1242 (5)	6.566	1.000	A	H	R
25	Aroclor 1242 (6)	6.692	1.000	A	H	R
26	Aroclor 1242 - AVE	0.746	1.000	A	H	R
27	Aroclor 1248 (1)	6.106	1.000	A	H	R
28	Aroclor 1248 (2)	6.345	1.000	A	H	R
29	Aroclor 1248 (3)	6.567	1.000	A	H	R
30	Aroclor 1248 (4)	6.861	1.000	A	H	R
31	Aroclor 1248 (5)	6.899	1.000	A	H	R
32	Aroclor 1248 (6)	7.375	1.000	A	H	R
33	Aroclor 1248 - AVE	0.746	1.000	A	H	R
34	Aroclor 1254 (1)	6.893	1.000	A	H	R
35	Aroclor 1254 (2)	7.004	1.000	A	H	R
36	Aroclor 1254 (3)	7.375	1.000	A	H	R
37	Aroclor 1254 (4)	7.541	1.000	A	H	R
38	Aroclor 1254 (5)	7.921	1.000	A	H	R
39	Aroclor 1254 (6)	8.212	1.000	A	H	R
40	Aroclor 1254 - AVE	0.746	1.000	A	H	R
41	Aroclor 1260 (1)	7.492	1.000	A	H	R
42	Aroclor 1260 (2)	7.626	1.000	A	H	R
43	Aroclor 1260 (3)	8.180	1.000	A	H	R
44	Aroclor 1260 (4)	8.351	1.000	A	H	R
45	Aroclor 1260 (5)	8.649	1.000	A	H	R
46	Aroclor 1260 (6)	9.038	1.000	A	H	R
47	Aroclor 1260 - AVE	0.746	1.000	A	H	R
48	Aroclor 1262 (1)	7.627	1.000	A	H	R
49	Aroclor 1262 (2)	7.950	1.000	A	H	R
50	Aroclor 1262 (3)	8.182	1.000	A	H	R
51	Aroclor 1262 (4)	8.353	1.000	A	H	R
52	Aroclor 1262 (5)	8.651	1.000	A	H	R
53	Aroclor 1262 (6)	9.040	1.000	A	H	R
54	Aroclor 1262 - AVE	0.746	1.000	A	H	R
55	Aroclor 1268 (1)	8.174	1.000	A	H	R
56	Aroclor 1268 (2)	8.599	1.000	A	H	R

57	Aroclor 1268 (3)	8.647	1.000	A	H	R
58	Aroclor 1268 (4)	8.829	1.000	A	H	R
59	Aroclor 1268 (5)	9.040	1.000	A	H	R
60	Aroclor 1268 (6)	9.296	1.000	A	H	R
61	Aroclor 1268 - AVE	0.749	1.000	A	H	R
62	S DCBP (S)	9.526	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

FECD2_QUANTPCB_200218.M Wed Feb 19 09:32:32 2020

Element Calibration Review Sheet

Calibration ID: **A0B1902**

Instrument: **DUALECD2F**

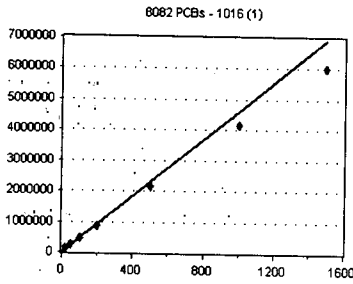
Calibration Date: **02/19/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20021**

1016 (1)

Curve Fit: **AVERAGE RF**

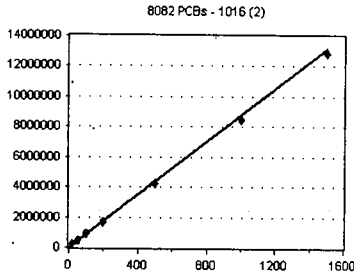


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	6027112	4018.075	5.69
OB18016-CAL6	1000	4174752	4174.752	5.69
OB18016-CAL5	500	2142875	4285.750	5.69
OB18016-CAL4	200	880891	4404.455	5.69
OB18016-CAL3	100	448508	4485.080	5.69
OB18016-CAL2	50	258248	5164.960	5.69
OB18016-CAL1	20	114423	5721.150	5.70

AVE RF 4607.746 RF RSD 13.28 AVE RT 5.69

1016 (2)

Curve Fit: **AVERAGE RF**

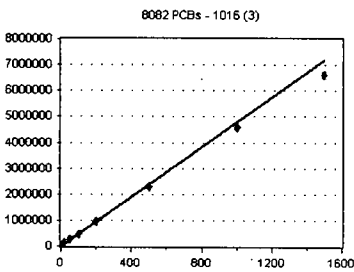


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	283232E+07	8554.880	6.11
OB18016-CAL6	1000	8442266	8442.266	6.11
OB18016-CAL5	500	4244215	8488.430	6.11
OB18016-CAL4	200	1702544	8512.720	6.11
OB18016-CAL3	100	874510	8745.100	6.11
OB18016-CAL2	50	455008	9100.160	6.11
OB18016-CAL1	20	195162	9758.100	6.11

AVE RF 8800.236 RF RSD 5.45 AVE RT 6.11

1016 (3)

Curve Fit: **AVERAGE RF**

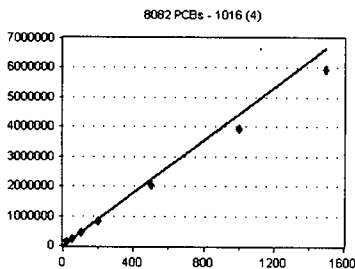


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	6633473	4422.315	6.19
OB18016-CAL6	1000	4576954	4576.954	6.19
OB18016-CAL5	500	2286878	4573.756	6.19
OB18016-CAL4	200	932254	4661.270	6.19
OB18016-CAL3	100	461765	4617.650	6.19
OB18016-CAL2	50	258433	5168.660	6.19
OB18016-CAL1	20	109732	5486.600	6.19

AVE RF 4786.744 RF RSD 8.10 AVE RT 6.19

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	5944203	3962.802	6.34
OB18016-CAL6	1000	3930132	3930.132	6.34
OB18016-CAL5	500	2037988	4075.976	6.34
OB18016-CAL4	200	834830	4174.150	6.34
OB18016-CAL3	100	461493	4614.930	6.34
OB18016-CAL2	50	241632	4832.640	6.34
OB18016-CAL1	20	108700	5435.000	6.35

AVE RF 4432.233 RF RSD 12.58 AVE RT 6.34

Element Calibration Review Sheet

Calibration ID: **A0B1902**

Instrument: **DUALECD2F**

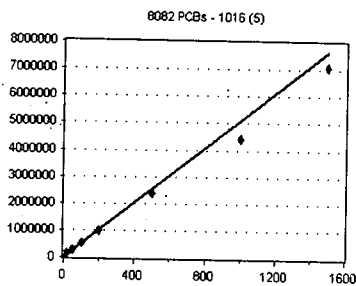
Calibration Date: **02/19/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20021**

1016 (5)

Curve Fit: **AVERAGE RF**

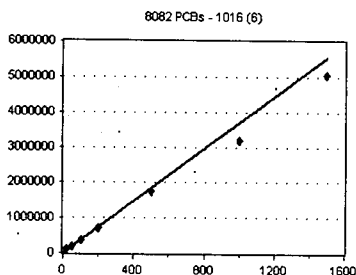


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	7087609	4725.073	6.57
OB18016-CAL6	1000	4405368	4405.368	6.57
OB18016-CAL5	500	2365422	4730.844	6.57
OB18016-CAL4	200	1008063	5040.315	6.57
OB18016-CAL3	100	506592	5065.920	6.57
OB18016-CAL2	50	280414	5608.280	6.57
OB18016-CAL1	20	124511	6225.550	6.57

AVE RF 5114.479 **RF RSD** 12.07 **AVE RT** 6.57

1016 (6)

Curve Fit: **AVERAGE RF**

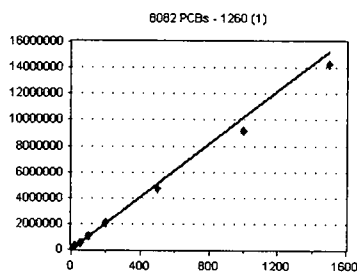


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	5047266	3364.844	6.69
OB18016-CAL6	1000	3181732	3181.732	6.69
OB18016-CAL5	500	1763397	3526.794	6.69
OB18016-CAL4	200	725904	3629.520	6.69
OB18016-CAL3	100	370235	3702.350	6.69
OB18016-CAL2	50	197133	3942.660	6.69
OB18016-CAL1	20	90576	4528.800	6.70

AVE RF 3696.671 **RF RSD** 11.90 **AVE RT** 6.69

1260 (1)

Curve Fit: **AVERAGE RF**

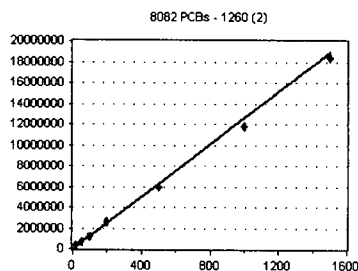


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	424795E+07	9498.634	7.49
OB18016-CAL6	1000	9172675	9172.675	7.49
OB18016-CAL5	500	4797117	9594.234	7.49
OB18016-CAL4	200	2053158	10265.790	7.49
OB18016-CAL3	100	1031700	10317.000	7.49
OB18016-CAL2	50	533393	10667.860	7.49
OB18016-CAL1	20	233755	11687.750	7.50

AVE RF 10171.990 **RF RSD** 8.38 **AVE RT** 7.49

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	841096E+07	12273.970	7.63
OB18016-CAL6	1000	176608E+07	11766.080	7.63
OB18016-CAL5	500	5959812	11919.620	7.63
OB18016-CAL4	200	2559676	12798.380	7.63
OB18016-CAL3	100	1208568	12085.680	7.63
OB18016-CAL2	50	658887	13177.740	7.63
OB18016-CAL1	20	289475	14473.750	7.63

AVE RF 12642.180 **RF RSD** 7.50 **AVE RT** 7.63

Element Calibration Review Sheet

Calibration ID: **A0B1902**

Instrument: **DUALECD2F**

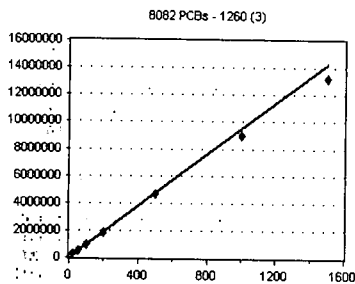
Calibration Date: **02/19/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20021**

1260 (3)

Curve Fit: **AVERAGE RF**

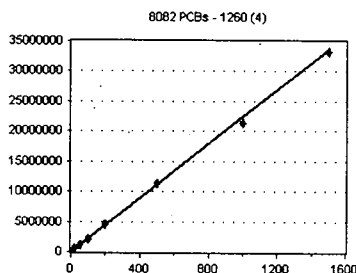


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	323205E+07	8821.366	8.18
OB18016-CAL6	1000	8969606	8969.606	8.18
OB18016-CAL5	500	4639944	9279.888	8.18
OB18016-CAL4	200	1795515	8977.575	8.18
OB18016-CAL3	100	967418	9674.180	8.18
OB18016-CAL2	50	493633	9872.660	8.18
OB18016-CAL1	20	218521	10926.050	8.19

AVE RF 9503.046 **RF RSD** 7.76 **AVE RT** 8.18

1260 (4)

Curve Fit: **AVERAGE RF**

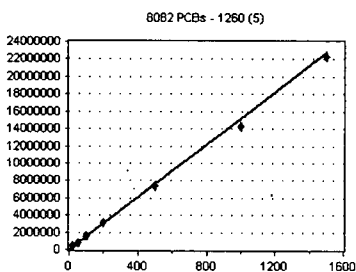


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	328561E+07	22190.410	8.35
OB18016-CAL6	1000	141804E+07	21418.040	8.35
OB18016-CAL5	500	134863E+07	22697.260	8.35
OB18016-CAL4	200	4490801	22454.010	8.35
OB18016-CAL3	100	2169781	21697.810	8.35
OB18016-CAL2	50	1161834	23236.680	8.35
OB18016-CAL1	20	475536	23776.800	8.36

AVE RF 22495.860 **RF RSD** 3.69 **AVE RT** 8.35

1260 (5)

Curve Fit: **AVERAGE RF**

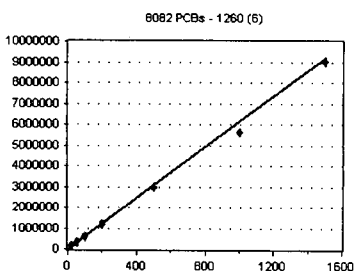


Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	228838E+07	14858.920	8.65
OB18016-CAL6	1000	431165E+07	14311.650	8.65
OB18016-CAL5	500	7377000	14754.000	8.65
OB18016-CAL4	200	3066068	15330.340	8.65
OB18016-CAL3	100	1504417	15044.170	8.65
OB18016-CAL2	50	787003	15740.060	8.65
OB18016-CAL1	20	327005	16350.250	8.66

AVE RF 15198.480 **RF RSD** 4.46 **AVE RT** 8.65

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB18016-CAL7	1500	9041001	6027.334	9.04
OB18016-CAL6	1000	5645108	5645.108	9.04
OB18016-CAL5	500	2958395	5916.790	9.04
OB18016-CAL4	200	1206819	6034.095	9.04
OB18016-CAL3	100	610990	6109.900	9.04
OB18016-CAL2	50	310348	6206.960	9.04
OB18016-CAL1	20	140639	7031.950	9.05

AVE RF 6138.877 **RF RSD** 7.04 **AVE RT** 9.04

Element Calibration Review Sheet

Calibration ID: **A0B1902**

Instrument: **DUALECD2F**

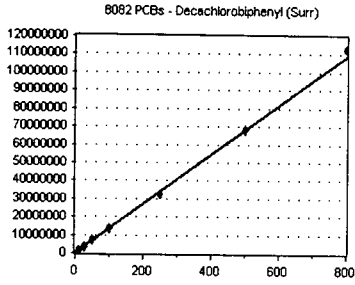
Calibration Date: **02/19/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20021**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0B18016-CAL7	800	128204E+08	141025.500	9.53
0B18016-CAL6	500	824199E+07	136484.000	9.53
0B18016-CAL5	250	1.23303E+07	129321.200	9.53
0B18016-CAL4	100	365267E+07	136526.700	9.53
0B18016-CAL3	50	6837726	136754.500	9.53
0B18016-CAL2	25	3331882	133275.300	9.53
0B18016-CAL1	10	1374925	137492.500	9.53

AVE RF **135840.000** RF RSD **2.70** AVE RT **9.53**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B18016

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
0B18016-ICB1	Initial Cal Blank	Water	A20A395		2/18/2020 9:21:00AM
0B18016-CAL1	Cal Standard	Water	A19L280	"	2/18/2020 9:47:00AM
0B18016-CAL2	Cal Standard	Water	A19L281	"	2/18/2020 10:04:00AM
0B18016-CAL3	Cal Standard	Water	A19L282	"	2/18/2020 10:22:00AM
0B18016-CAL4	Cal Standard	Water	A19L283	"	2/18/2020 10:40:00AM
0B18016-CAL5	Cal Standard	Water	A19L276	"	2/18/2020 10:57:00AM
0B18016-CAL6	Cal Standard	Water	A19L278	"	2/18/2020 11:15:00AM
0B18016-CAL7	Cal Standard	Water	A19L279	"	2/18/2020 11:32:00AM
0B18016-ICV1	Initial Cal Check	Water	A19H459	"	2/18/2020 12:08:00PM
0B18016-CAL8	Cal Standard	Water	A19H447	"	2/18/2020 12:25:00PM
0B18016-CAL9	Cal Standard	Water	A19H448	"	2/18/2020 12:43:00PM
0B18016-CALA	Cal Standard	Water	A19H449	"	2/18/2020 1:00:00PM
0B18016-CALB	Cal Standard	Water	A19H450	"	2/18/2020 1:18:00PM
0B18016-CALC	Cal Standard	Water	A19H451	"	2/18/2020 1:36:00PM
0B18016-CALD	Cal Standard	Water	A19H452	"	2/18/2020 1:53:00PM
0B18016-CALE	Cal Standard	Water	A19H453	"	2/18/2020 2:11:00PM
0B18016-ICV2	Initial Cal Check	Water	A19H405	"	2/18/2020 2:29:00PM
0B18016-ICV3	Initial Cal Check	Water	A19J367	"	2/18/2020 2:46:00PM
0B18016-ICV4	Initial Cal Check	Water	A19H406	"	2/18/2020 3:04:00PM
0B18016-ICV5	Initial Cal Check	Water	A20B130	"	2/18/2020 3:21:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0B1902**

Instrument: **DUALECD2F**

1311/8082 TCLP PCBs

Sequence: **0B18016**

Matrix: **Water**

0B18016-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	

0B18016-CAL2

	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	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B18016

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	
0B18016-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	
0B18016-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	
0B18016-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	
0B18016-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	
0B18016-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	
0B18016-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	
0B18016-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	
0B18016-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	
0B18016-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	
0B18016-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: 0B18016

0B18016-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	

0B18016-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: **A0B1902**

Instrument: **DUALECD2F**

608 PCBs - LL (1000/1mL) +1

Sequence: **0B18016**

Matrix: **Water**

0B18016-ICV1

Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Data Path: K:\DATA\0B18016\
 Data File: ECD2\F007.D
 Signal(s): ECD1A.CH
 Acq On: 18-Feb-2020 9:21
 Operator: MJB / KAK
 Sample: 0B18016-ICB1
 Misc:
 ALS Vial: 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:29:59 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.783	7429424	94.128 ng/ml
62) S DCBP (S)	9.528	12779359	94.077 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.695	6992	1.518 ng/ml
3) Aroclor 1016 (2)	6.110	9461	1.075 ng/ml
4) Aroclor 1016 (3)	6.171	7128	1.489 ng/ml
5) Aroclor 1016 (4)	6.339	7763	1.751 ng/ml
6) Aroclor 1016 (5)	6.561	9311	1.820 ng/ml
7) Aroclor 1016 (6)	6.697	9947	2.691 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.098	19248	14.119 ng/ml
10) Aroclor 1221 (2)	5.236	18971	20.594 ng/ml
11) Aroclor 1221 (3)	5.341	13536	4.771 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.341	13536	5.721 ng/ml
14) Aroclor 1232 (2)	6.110	9461	2.637 ng/ml
15) Aroclor 1232 (3)	6.171	7128	3.621 ng/ml
16) Aroclor 1232 (4)	6.348	7570	4.983 ng/ml
17) Aroclor 1232 (5)	6.561	9311	4.823 ng/ml
18) Aroclor 1232 (6)	6.697	9947	6.316 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.695	6992	1.986 ng/ml
21) Aroclor 1242 (2)	6.110	9461	1.319 ng/ml
22) Aroclor 1242 (3)	6.171	7128	1.939 ng/ml
23) Aroclor 1242 (4)	6.348	7570	2.312 ng/ml
24) Aroclor 1242 (5)	6.561	9311	2.272 ng/ml
25) Aroclor 1242 (6)	6.697	9947	2.919 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.110	9461	2.169 ng/ml
28) Aroclor 1248 (2)	6.348	7570	1.327 ng/ml
29) Aroclor 1248 (3)	6.561	9311	1.438 ng/ml
30) Aroclor 1248 (4)	6.862	9515	1.294 ng/ml
31) Aroclor 1248 (5)	6.895	9371	1.242 ng/ml
32) Aroclor 1248 (6)	7.383	10486	2.556 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.895	9371	1.058 ng/ml
35) Aroclor 1254 (2)	7.003	8471	0.764 ng/ml
36) Aroclor 1254 (3)	7.383	10486	0.630 ng/ml
37) Aroclor 1254 (4)	7.540	8407	0.791 ng/ml
38) Aroclor 1254 (5)	7.931	10399	0.898 ng/ml
39) Aroclor 1254 (6)	8.214	1849	0.496 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.492	9695	0.953 ng/ml
42) Aroclor 1260 (2)	7.608	6156	0.487 ng/ml
43) Aroclor 1260 (3)	8.179	2854	0.300 ng/ml
44) Aroclor 1260 (4)	8.348	17262	0.767 ng/ml
45) Aroclor 1260 (5)	8.651	3666	0.241 ng/ml
46) Aroclor 1260 (6)	9.036	4711	0.767 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 9:21
 Operator : MJB / KAK
 Sample : 0B18016-ICB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:29:59 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.608	6156	0.573 ng/ml
49) Aroclor 1262 (2)	7.931	10399	0.679 ng/ml
50) Aroclor 1262 (3)	8.179	2854	0.224 ng/ml
51) Aroclor 1262 (4)	8.348	17262	0.610 ng/ml
52) Aroclor 1262 (5)	8.651	3666	0.203 ng/ml
53) Aroclor 1262 (6)	9.036	4711	0.520 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.179	2854	0.444 ng/ml
56) Aroclor 1268 (2)	8.602	2215	0.075 ng/ml
57) Aroclor 1268 (3)	8.651	3666	0.147 ng/ml
58) Aroclor 1268 (4)	8.831	66389	2.879 ng/ml
59) Aroclor 1268 (5)	9.036	4711	0.511 ng/ml
60) Aroclor 1268 (6)	9.296	71123	1.097 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

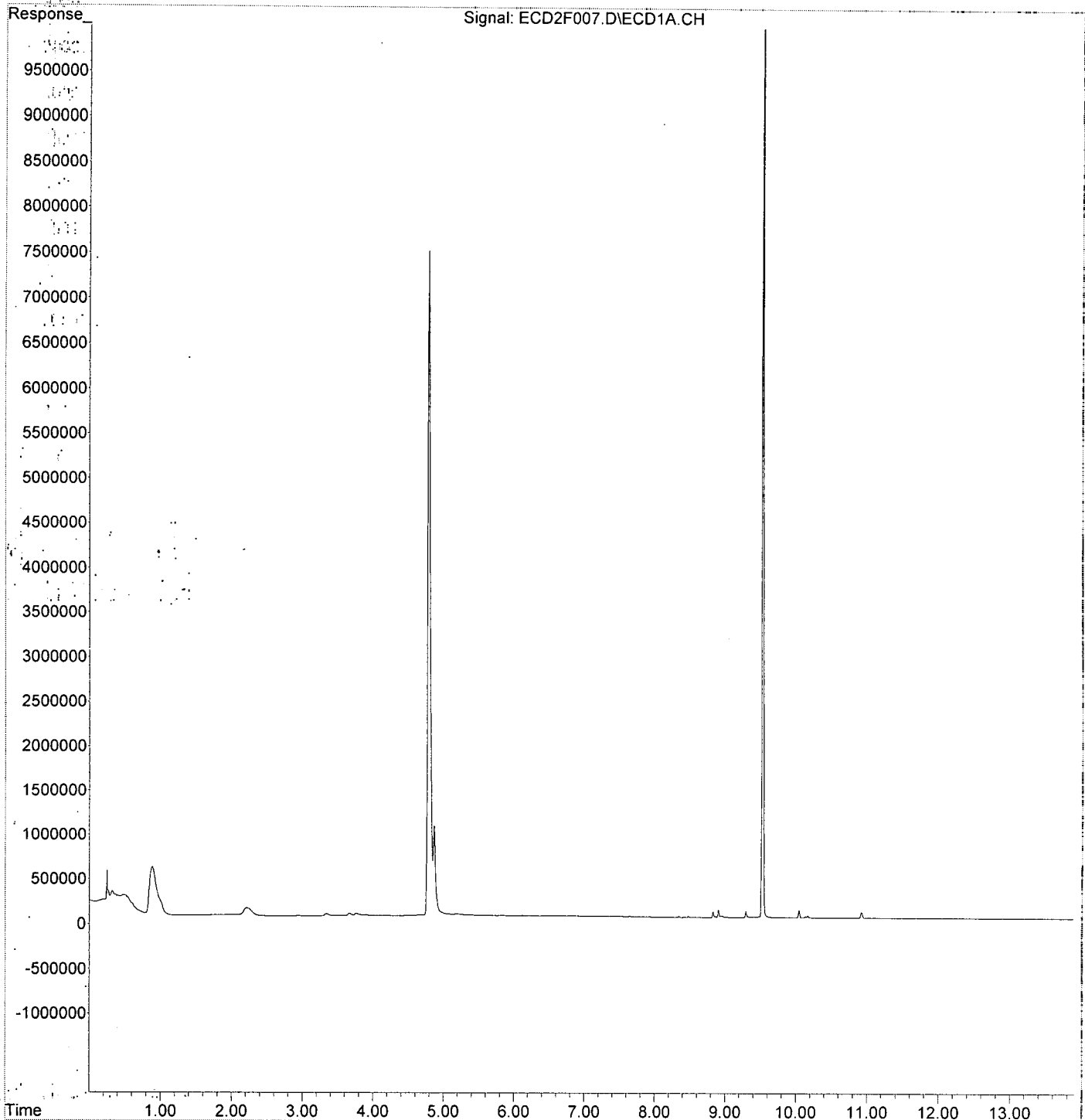
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:21
Operator : MJB / KAK
Sample : 0B18016-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:29:59 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0B18016\
 Data File: ECD2F015.D
 Signal(s): ECD1A.CH
 Acq On: 18-Feb-2020 11:50
 Operator: MJB / KAK
 Sample: 0B18016-IBL1
 Misc:
 ALS Vial: 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:30:21 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 2/19/20
 2/19/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.778	10788	0.137 ng/ml
62) S DCBP (S)	9.525	33690	0.248 ng/ml
Target Compounds:			
2) Aroclor 1016 (1)	5.692	4254	0.923 ng/ml
3) Aroclor 1016 (2)	6.121	17131	1.947 ng/ml
4) Aroclor 1016 (3)	6.176	5779	1.207 ng/ml
5) Aroclor 1016 (4)	6.342	4183	0.944 ng/ml
6) Aroclor 1016 (5)	6.571	9261	1.811 ng/ml
7) Aroclor 1016 (6)	6.696	7128	1.928 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.141	1719	1.261 ng/ml
10) Aroclor 1221 (2)	5.261	347	0.377 ng/ml
11) Aroclor 1221 (3)	5.335	904	0.319 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.335	904	0.382 ng/ml
14) Aroclor 1232 (2)	6.121	17131	4.776 ng/ml
15) Aroclor 1232 (3)	6.176	5779	2.936 ng/ml
16) Aroclor 1232 (4)	6.342	4183	2.753 ng/ml
17) Aroclor 1232 (5)	6.571	9261	4.798 ng/ml
18) Aroclor 1232 (6)	6.696	7128	4.526 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.692	4254	1.208 ng/ml
21) Aroclor 1242 (2)	6.121	17131	2.388 ng/ml
22) Aroclor 1242 (3)	6.176	5779	1.572 ng/ml
23) Aroclor 1242 (4)	6.342	4183	1.278 ng/ml
24) Aroclor 1242 (5)	6.571	9261	2.260 ng/ml
25) Aroclor 1242 (6)	6.696	7128	2.091 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.121	17131	3.927 ng/ml
28) Aroclor 1248 (2)	6.342	4183	0.733 ng/ml
29) Aroclor 1248 (3)	6.571	9261	1.430 ng/ml
30) Aroclor 1248 (4)	6.862	8108	1.102 ng/ml
31) Aroclor 1248 (5)	6.897	8377	1.110 ng/ml
32) Aroclor 1248 (6)	7.378	9420	2.296 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.897	8377	0.945 ng/ml
35) Aroclor 1254 (2)	7.006	7440	0.671 ng/ml
36) Aroclor 1254 (3)	7.378	9420	0.566 ng/ml
37) Aroclor 1254 (4)	7.541	7642	0.719 ng/ml
38) Aroclor 1254 (5)	7.920	10732	0.926 ng/ml
39) Aroclor 1254 (6)	8.213	2521	0.676 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.494	9920	0.975 ng/ml
42) Aroclor 1260 (2)	7.628	12694	1.004 ng/ml
43) Aroclor 1260 (3)	8.181	5986	0.630 ng/ml
44) Aroclor 1260 (4)	8.353	18505	0.823 ng/ml
45) Aroclor 1260 (5)	8.650	13881	0.913 ng/ml
46) Aroclor 1260 (6)	9.040	6437	1.049 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0B18016\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 11:50
 Operator : MJB / KAK
 Sample : 0B18016-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:30:21 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

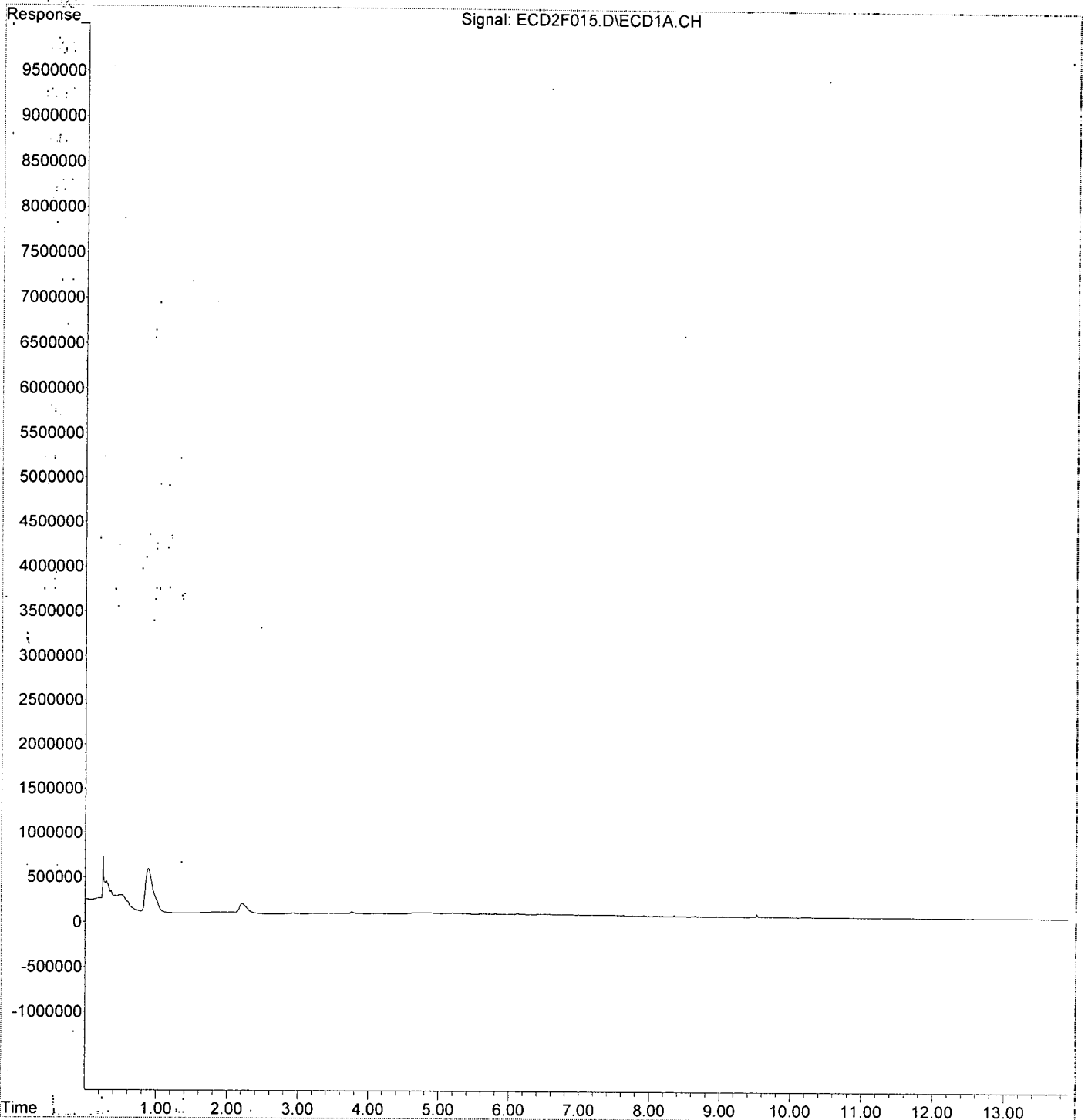
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.628	12694	1.181 ng/ml
49) Aroclor 1262 (2)	7.949	5952	0.388 ng/ml
50) Aroclor 1262 (3)	8.181	5986	0.469 ng/ml
51) Aroclor 1262 (4)	8.353	18505	0.654 ng/ml
52) Aroclor 1262 (5)	8.650	13881	0.768 ng/ml
53) Aroclor 1262 (6)	9.040	6437	0.711 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.181	5986	0.932 ng/ml
56) Aroclor 1268 (2)	8.599	4275	0.144 ng/ml
57) Aroclor 1268 (3)	8.650	13881	0.556 ng/ml
58) Aroclor 1268 (4)	8.829	1808	0.078 ng/ml
59) Aroclor 1268 (5)	9.040	6437	0.699 ng/ml
60) Aroclor 1268 (6)	9.295	4595	0.071 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:50
Operator : MJB / KAK
Sample : 0B18016-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:21 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0B18016\
 Data File: ECD2F016.D
 Signal(s): ECD1A.CH
 Acq On: 18-Feb-2020 12:08
 Operator: MJB / KAK
 Sample: 0B18016-ICV1
 Misc:
 ALS Vial: 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:30:43 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20
1016, 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.781	14484361	183.512	ng/ml
62) S DGBP (S)	9.527	25827201	190.130	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.694	2160933	468.978	ng/ml
3) Aroclor 1016 (2)	6.106	4384748	498.253	ng/ml
4) Aroclor 1016 (3)	6.187	2382176	497.661	ng/ml
5) Aroclor 1016 (4)	6.345	2008839	453.234	ng/ml
6) Aroclor 1016 (5)	6.567	2445574	478.167	ng/ml
7) Aroclor 1016 (6)	6.693	1736348	469.706	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.134	210043	154.068	ng/ml
10) Aroclor 1221 (2)	5.251	229122	248.717	ng/ml
11) Aroclor 1221 (3)	5.333	1016160	358.167	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.333	1016160	429.510	ng/ml
14) Aroclor 1232 (2)	6.106	4384748	1222.302	ng/ml
15) Aroclor 1232 (3)	6.187	2382176	1210.328	ng/ml
16) Aroclor 1232 (4)	6.345	2008839	1322.176	ng/ml
17) Aroclor 1232 (5)	6.567	2445574	1266.882	ng/ml
18) Aroclor 1232 (6)	6.693	1736348	1102.470	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.694	2160933	613.757	ng/ml
21) Aroclor 1242 (2)	6.106	4384748	611.203	ng/ml
22) Aroclor 1242 (3)	6.187	2382176	648.053	ng/ml
23) Aroclor 1242 (4)	6.345	2008839	613.572	ng/ml
24) Aroclor 1242 (5)	6.567	2445574	596.673	ng/ml
25) Aroclor 1242 (6)	6.693	1736348	509.500	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.106	4384748	1005.196	ng/ml
28) Aroclor 1248 (2)	6.345	2008839	352.117	ng/ml
29) Aroclor 1248 (3)	6.567	2445574	377.725	ng/ml
30) Aroclor 1248 (4)	6.861	415968	56.562	ng/ml
31) Aroclor 1248 (5)	6.894	1829426	242.450	ng/ml
32) Aroclor 1248 (6)	7.381	4081325	994.622	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.894	1829426	206.470	ng/ml
35) Aroclor 1254 (2)	7.005	2123293	191.596	ng/ml
36) Aroclor 1254 (3)	7.381	4081325	245.283	ng/ml
37) Aroclor 1254 (4)	7.541	427251	40.201	ng/ml
38) Aroclor 1254 (5)	7.921	5870269	506.753	ng/ml
39) Aroclor 1254 (6)	8.212	612048	164.054	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.493	5617745	552.276	ng/ml
42) Aroclor 1260 (2)	7.628	6845701	541.497	ng/ml
43) Aroclor 1260 (3)	8.182	4234804	445.626	ng/ml
44) Aroclor 1260 (4)	8.353	10430755	463.674	ng/ml
45) Aroclor 1260 (5)	8.651	6958949	457.871	ng/ml
46) Aroclor 1260 (6)	9.040	2335422	380.432	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

477.667

473.563

Data Path : K:\DATA\0B18016\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 12:08
 Operator : MJB / KAK
 Sample : 0B18016-ICV1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:30:43 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

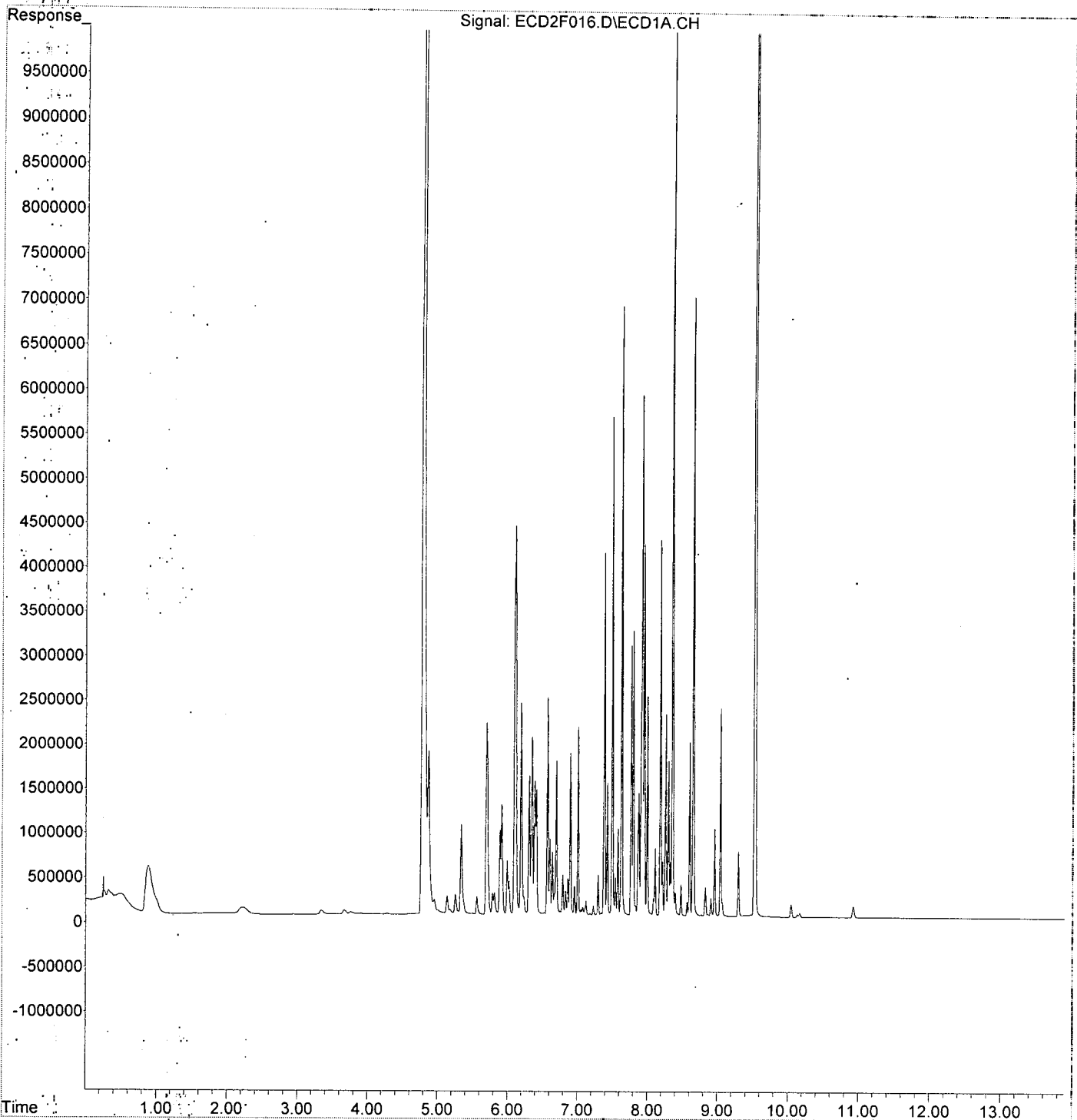
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.628	6845701	637.136	ng/ml
49) Aroclor 1262 (2)	7.951	4180128	272.833	ng/ml
50) Aroclor 1262 (3)	8.182	4234804	331.733	ng/ml
51) Aroclor 1262 (4)	8.353	10430755	368.536	ng/ml
52) Aroclor 1262 (5)	8.651	6958949	385.032	ng/ml
53) Aroclor 1262 (6)	9.040	2335422	257.922	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.182	4234804	658.991	ng/ml
56) Aroclor 1268 (2)	8.599	1959249	66.007	ng/ml
57) Aroclor 1268 (3)	8.651	6958949	278.600	ng/ml
58) Aroclor 1268 (4)	8.827	328242	14.232	ng/ml
59) Aroclor 1268 (5)	9.040	2335422	253.573	ng/ml
60) Aroclor 1268 (6)	9.296	733639	11.311	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:08
Operator : MJB / KAK
Sample : 0B18016-ICV1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 14:29
 Operator : MJB / KAK
 Sample : 0B18016-ICV2
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:31:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 2/19/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.781	3057724	38.740 ng/ml
62) S DCBP (S)	9.527	12087020	88.980 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.695	527279	114.433 ng/ml
3) Aroclor 1016 (2)	6.103	685397	77.884 ng/ml
4) Aroclor 1016 (3)	6.187	406995	85.025 ng/ml
5) Aroclor 1016 (4)	6.345	2316513	522.652 ng/ml
6) Aroclor 1016 (5)	6.566	1498244	292.942 ng/ml
7) Aroclor 1016 (6)	6.692	703553	190.321 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.133	1417248	1039.561 ng/ml
10) Aroclor 1221 (2)	5.250	879183	954.372 ng/ml
11) Aroclor 1221 (3)	5.331	2872013	1012.302 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.331	2872013	1213.941 ng/ml
14) Aroclor 1232 (2)	6.103	685397	191.063 ng/ml
15) Aroclor 1232 (3)	6.187	406995	206.785 ng/ml
16) Aroclor 1232 (4)	6.345	2316513	1524.681 ng/ml
17) Aroclor 1232 (5)	6.566	1498244	776.136 ng/ml
18) Aroclor 1232 (6)	6.692	703553	446.711 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.695	527279	149.760 ng/ml
21) Aroclor 1242 (2)	6.103	685397	95.539 ng/ml
22) Aroclor 1242 (3)	6.187	406995	110.720 ng/ml
23) Aroclor 1242 (4)	6.345	2316513	707.547 ng/ml
24) Aroclor 1242 (5)	6.566	1498244	365.543 ng/ml
25) Aroclor 1242 (6)	6.692	703553	206.445 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.103	685397	157.126 ng/ml
28) Aroclor 1248 (2)	6.345	2316513	406.047 ng/ml
29) Aroclor 1248 (3)	6.566	1498244	231.408 ng/ml
30) Aroclor 1248 (4)	6.860	2220465	301.930 ng/ml
31) Aroclor 1248 (5)	6.893	4340890	575.289 ng/ml
32) Aroclor 1248 (6)	7.375	7621181	1857.287 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.893	4340890	489.915 ng/ml
35) Aroclor 1254 (2)	7.004	5027208	453.631 ng/ml
36) Aroclor 1254 (3)	7.375	7621181	458.024 ng/ml
37) Aroclor 1254 (4)	7.540	4596090	432.458 ng/ml
38) Aroclor 1254 (5)	7.920	5205288	449.349 ng/ml
39) Aroclor 1254 (6)	8.211	1668574	447.246 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.493	2890934	284.205 ng/ml
42) Aroclor 1260 (2)	7.626	3375381	266.994 ng/ml
43) Aroclor 1260 (3)	8.182	441772	46.487 ng/ml
44) Aroclor 1260 (4)	8.352	1131045	50.278 ng/ml
45) Aroclor 1260 (5)	8.651	941410	61.941 ng/ml
46) Aroclor 1260 (6)	9.040	74872	12.196 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten: 1002.078

Handwritten: 455.104

Data Path : K:\DATA\0B18016\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 14:29
 Operator : MJB / KAK
 Sample : 0B18016-ICV2
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:31:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

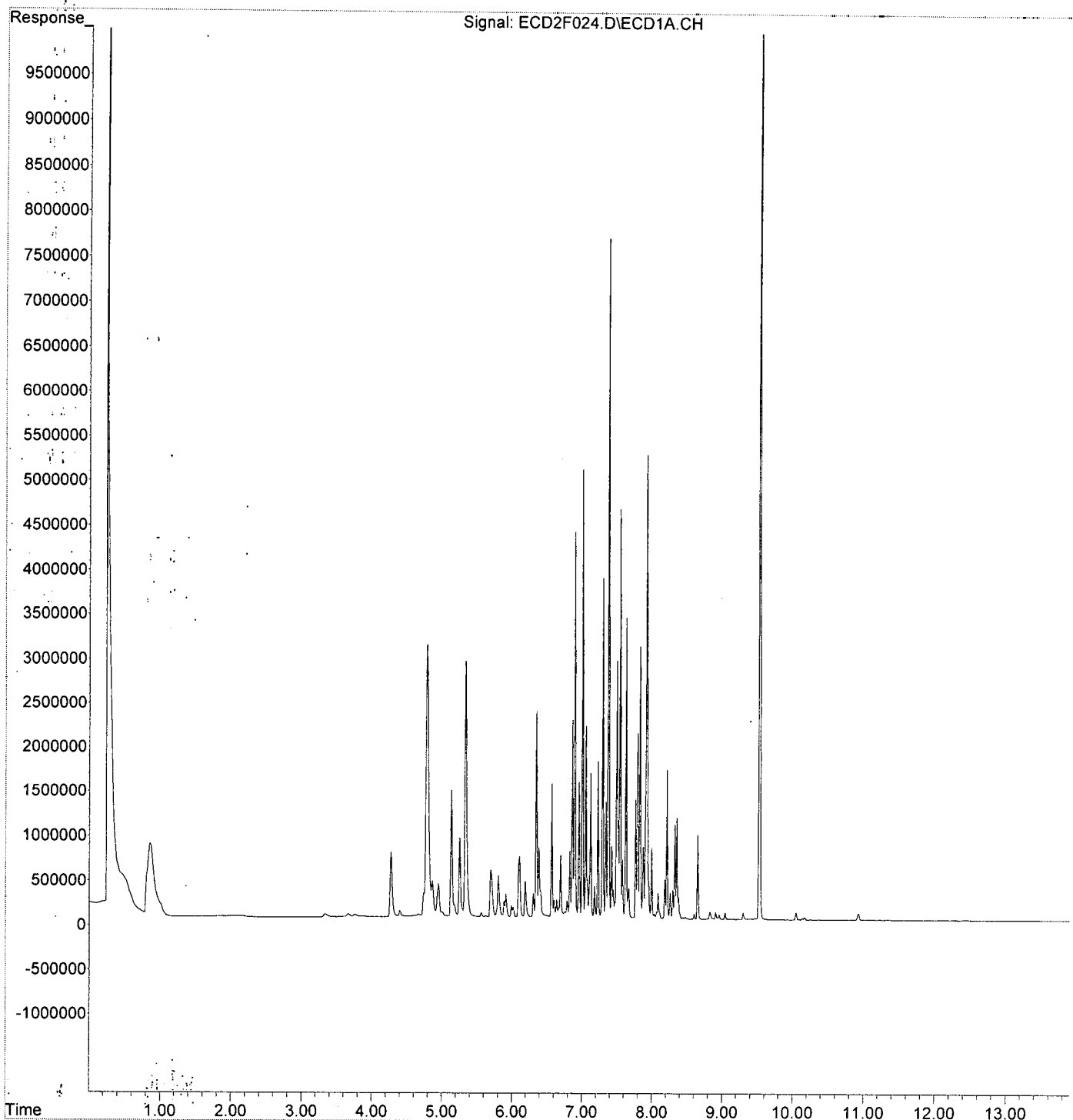
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.626	3375381	314.150 ng/ml
49) Aroclor 1262 (2)	7.920	5205288	339.744 ng/ml
50) Aroclor 1262 (3)	8.182	441772	34.606 ng/ml
51) Aroclor 1262 (4)	8.352	1131045	39.962 ng/ml
52) Aroclor 1262 (5)	8.651	941410	52.087 ng/ml
53) Aroclor 1262 (6)	9.040	74872	8.269 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.182	441772	68.745 ng/ml
56) Aroclor 1268 (2)	8.600	59217	1.995 ng/ml
57) Aroclor 1268 (3)	8.651	941410	37.689 ng/ml
58) Aroclor 1268 (4)	8.825	78462	3.402 ng/ml
59) Aroclor 1268 (5)	9.040	74872	8.129 ng/ml
60) Aroclor 1268 (6)	9.296	71595	1.104 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:29
Operator : MJB / KAK
Sample : 0B18016-ICV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\OB18016\
 Data File: ECD2F025.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 14:46
 Operator: MJB / KAK
 Sample: OB18016-ICV3
 Misc:
 ALS Vial: 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:31:25 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 2/19/20
 1252, 1262

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.782	3122493	39.561	ng/ml
62) S DCBP (S)	9.527	12016074	88.458	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.694	1057601	229.527	ng/ml
3) Aroclor 1016 (2)	6.106	2040123	231.826	ng/ml
4) Aroclor 1016 (3)	6.188	1080561	225.740	ng/ml
5) Aroclor 1016 (4)	6.344	837070	188.860	ng/ml
6) Aroclor 1016 (5)	6.566	1071991	209.599	ng/ml
7) Aroclor 1016 (6)	6.692	852022	230.484	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.133	467105	342.625	ng/ml
10) Aroclor 1221 (2)	5.251	347214	376.908	ng/ml
11) Aroclor 1221 (3)	5.332	1223841	431.369	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.332	1223841	517.292	ng/ml
14) Aroclor 1232 (2)	6.106	2040123	568.709	ng/ml
15) Aroclor 1232 (3)	6.188	1080561	549.008	ng/ml
16) Aroclor 1232 (4)	6.344	837070	550.942	ng/ml
17) Aroclor 1232 (5)	6.566	1071991	555.324	ng/ml
18) Aroclor 1232 (6)	6.692	852022	540.980	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.694	1057601	300.384	ng/ml
21) Aroclor 1242 (2)	6.106	2040123	284.379	ng/ml
22) Aroclor 1242 (3)	6.188	1080561	293.958	ng/ml
23) Aroclor 1242 (4)	6.344	837070	255.672	ng/ml
24) Aroclor 1242 (5)	6.566	1071991	261.545	ng/ml
25) Aroclor 1242 (6)	6.692	852022	250.011	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.106	2040123	467.695	ng/ml
28) Aroclor 1248 (2)	6.344	837070	146.725	ng/ml
29) Aroclor 1248 (3)	6.566	1071991	165.572	ng/ml
30) Aroclor 1248 (4)	6.860	1043005	141.824	ng/ml
31) Aroclor 1248 (5)	6.896	1468828	194.661	ng/ml
32) Aroclor 1248 (6)	7.381	3539938	862.685	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.896	1468828	165.773	ng/ml
35) Aroclor 1254 (2)	7.003	1000258	90.258	ng/ml
36) Aroclor 1254 (3)	7.381	3539938	212.746	ng/ml
37) Aroclor 1254 (4)	7.541	393777	37.052	ng/ml
38) Aroclor 1254 (5)	7.920	2656583	229.331	ng/ml
39) Aroclor 1254 (6)	8.181	6289732	1685.906	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.493	4397367	432.301	ng/ml
42) Aroclor 1260 (2)	7.627	5332004	421.763	ng/ml
43) Aroclor 1260 (3)	8.181	6289732	661.865	ng/ml
44) Aroclor 1260 (4)	8.352	13863012	616.247	ng/ml
45) Aroclor 1260 (5)	8.650	8535044	561.572	ng/ml
46) Aroclor 1260 (6)	9.040	4483263	730.307	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten: 547.043

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
 Data File : ECD2F025.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 14:46
 Operator : MJB / KAK
 Sample : 0B18016-ICV3
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:31:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.627	5332004	496.255 ng/ml
49) Aroclor 1262 (2)	7.950	7443540	485.832 ng/ml
50) Aroclor 1262 (3)	8.181	6289732	492.705 ng/ml
51) Aroclor 1262 (4)	8.352	13863012	489.804 ng/ml
52) Aroclor 1262 (5)	8.650	8535044	472.236 ng/ml
53) Aroclor 1262 (6)	9.040	4483263	495.127 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.181	6289732	978.764 ng/ml
56) Aroclor 1268 (2)	8.599	5201742	175.245 ng/ml
57) Aroclor 1268 (3)	8.650	8535044	341.699 ng/ml
58) Aroclor 1268 (4)	8.827	411201	17.830 ng/ml
59) Aroclor 1268 (5)	9.040	4483263	486.780 ng/ml
60) Aroclor 1268 (6)	9.295	1406322	21.682 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

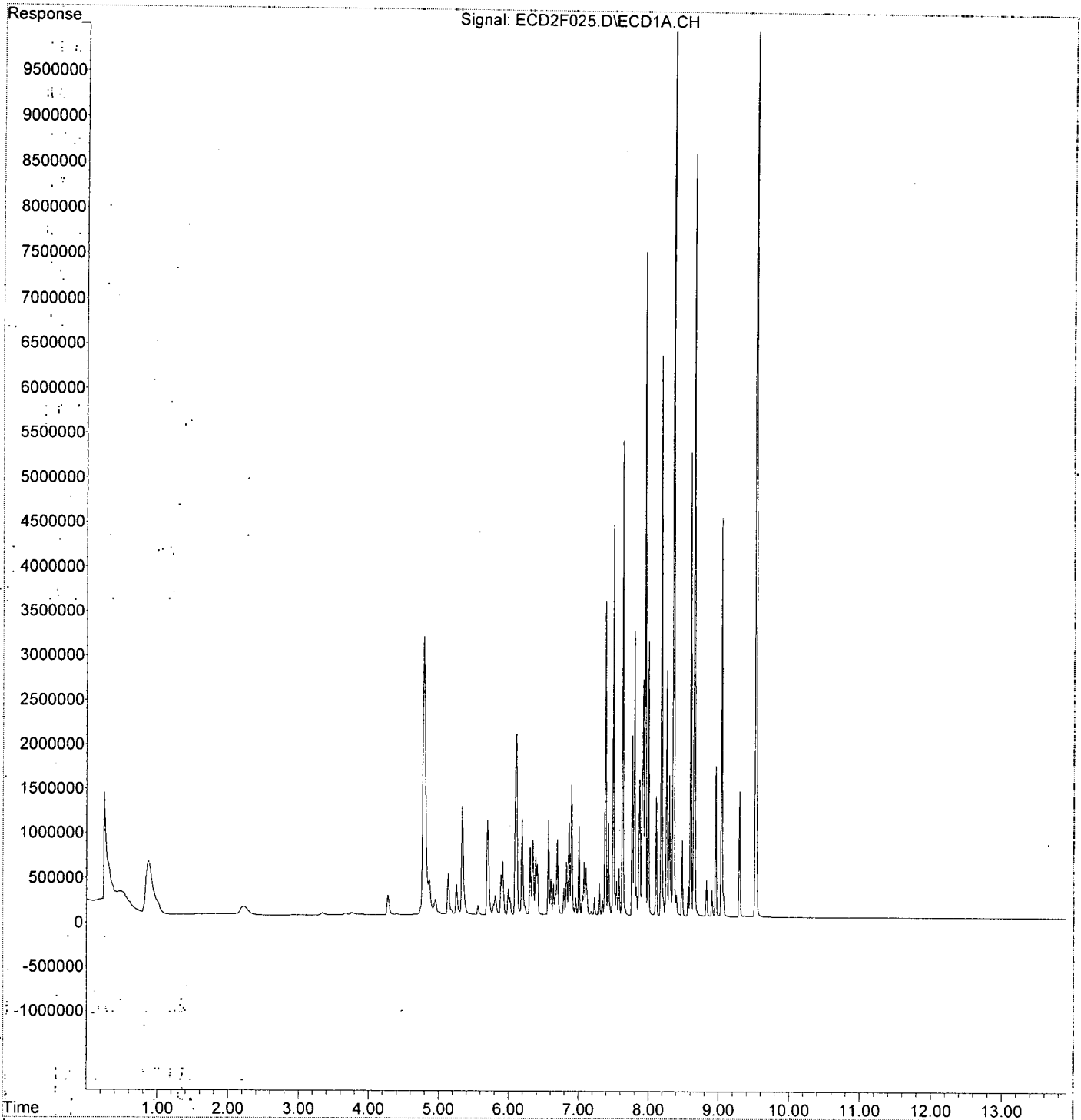
488.660

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:46
Operator : MJB / KAK
Sample : 0B18016-ICV3
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path: K:\DATA\OB18016\
 Data File: ECD2F026.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 15:04
 Operator: MJB / KAK
 Sample: OB18016-ICV4
 Misc:
 ALS Vial: 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:31:46 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 2/19/20
 1242, 1268

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.781	3337421	42.284	ng/ml
62) S DCBP (S)	9.525	5852470	43.084	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.691	1886881	409.502	ng/ml
3) Aroclor 1016 (2)	6.103	3851185	437.623	ng/ml
4) Aroclor 1016 (3)	6.185	1965659	410.646	ng/ml
5) Aroclor 1016 (4)	6.343	1654034	373.183	ng/ml
6) Aroclor 1016 (5)	6.564	2176811	425.617	ng/ml
7) Aroclor 1016 (6)	6.690	1761552	476.524	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.131	190611	139.814	ng/ml
10) Aroclor 1221 (2)	5.250	208801	226.658	ng/ml
11) Aroclor 1221 (3)	5.332	903391	318.419	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.332	903391	381.845	ng/ml
14) Aroclor 1232 (2)	6.103	3851185	1073.565	ng/ml
15) Aroclor 1232 (3)	6.185	1965659	998.705	ng/ml
16) Aroclor 1232 (4)	6.343	1654034	1088.650	ng/ml
17) Aroclor 1232 (5)	6.564	2176811	1127.654	ng/ml
18) Aroclor 1232 (6)	6.690	1761552	1118.473	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.691	1886881	535.919	ng/ml
21) Aroclor 1242 (2)	6.103	3851185	536.828	ng/ml
22) Aroclor 1242 (3)	6.185	1965659	534.743	ng/ml
23) Aroclor 1242 (4)	6.343	1654034	505.202	ng/ml
24) Aroclor 1242 (5)	6.564	2176811	531.100	ng/ml
25) Aroclor 1242 (6)	6.690	1761552	516.896	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.103	3851185	882.878	ng/ml
28) Aroclor 1248 (2)	6.343	1654034	289.925	ng/ml
29) Aroclor 1248 (3)	6.564	2176811	336.214	ng/ml
30) Aroclor 1248 (4)	6.858	2148796	292.185	ng/ml
31) Aroclor 1248 (5)	6.896	2197932	291.287	ng/ml
32) Aroclor 1248 (6)	7.372	732428	178.493	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.896	2197932	248.060	ng/ml
35) Aroclor 1254 (2)	7.002	515240	46.493	ng/ml
36) Aroclor 1254 (3)	7.372	732428	44.018	ng/ml
37) Aroclor 1254 (4)	7.539	481888	45.342	ng/ml
38) Aroclor 1254 (5)	7.919	94071	8.121	ng/ml
39) Aroclor 1254 (6)	8.208	54022	14.480	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.513	269213	26.466	ng/ml
42) Aroclor 1260 (2)	7.625	100723	7.967	ng/ml
43) Aroclor 1260 (3)	8.172	3212310	338.029	ng/ml
44) Aroclor 1260 (4)	8.351	1584476	70.434	ng/ml
45) Aroclor 1260 (5)	8.645	13012949	856.201	ng/ml
46) Aroclor 1260 (6)	9.038	5170845	842.311	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten: 526.781

Data Path : K:\DATA\0B18016\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 15:04
 Operator : MJB / KAK
 Sample : 0B18016-ICV4
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:31:46 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.625	100723	9.374 ng/ml
49) Aroclor 1262 (2)	7.949	2805014	183.080 ng/ml
50) Aroclor 1262 (3)	8.172	3212310	251.636 ng/ml
51) Aroclor 1262 (4)	8.351	1584476	55.982 ng/ml
52) Aroclor 1262 (5)	8.645	13012949	719.994 ng/ml
53) Aroclor 1262 (6)	9.038	5170845	571.063 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.172	3212310	499.877 ng/ml
56) Aroclor 1268 (2)	8.598	16232517	546.869 ng/ml
57) Aroclor 1268 (3)	8.645	13012949	520.971 ng/ml
58) Aroclor 1268 (4)	8.827	12206627	529.275 ng/ml
59) Aroclor 1268 (5)	9.038	5170845	561.436 ng/ml
60) Aroclor 1268 (6)	9.293	33274595	513.018 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

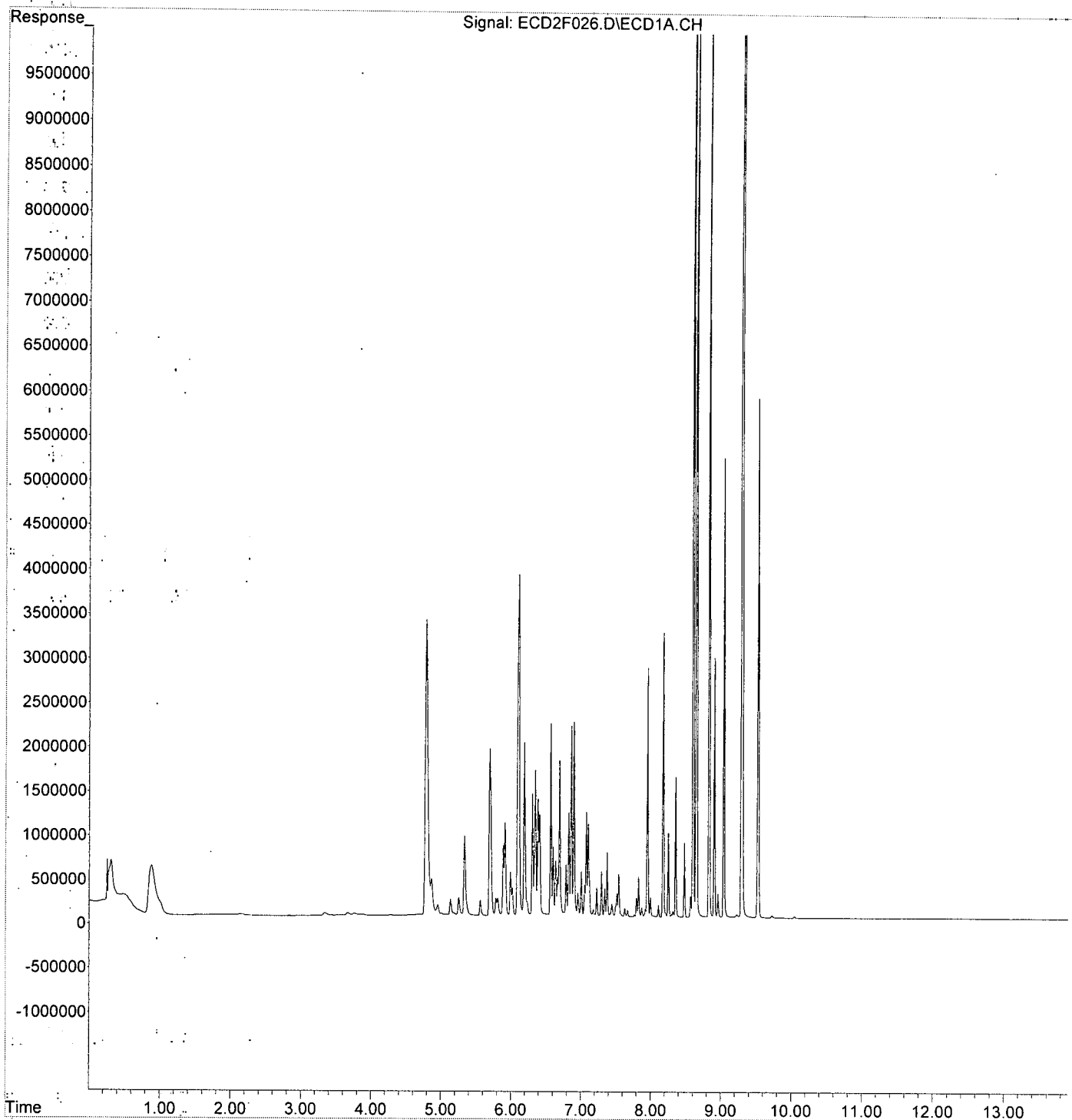
528.579

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:04
Operator : MJB / KAK
Sample : 0B18016-ICV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\OB18016\
 Data File: ECD2F027.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 15:21
 Operator: MJB / KAK
 Sample: OB18016-ICV5
 Misc:
 ALS Vial: 22 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:32:07 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 2/19/20
1248

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.809	14152	0.179	ng/ml
62) S DCBP (S)	9.527	4674	0.034	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.691	928522	201.513	ng/ml
3) Aroclor 1016 (2)	6.101	2056580	233.696	ng/ml
4) Aroclor 1016 (3)	6.186	1084267	226.514	ng/ml
5) Aroclor 1016 (4)	6.343	2734323	616.918	ng/ml
6) Aroclor 1016 (5)	6.565	3304064	646.022	ng/ml
7) Aroclor 1016 (6)	6.691	2518969	681.416	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.133	23802	17.459	ng/ml
10) Aroclor 1221 (2)	5.250	28684	31.137	ng/ml
11) Aroclor 1221 (3)	5.332	100089	35.279	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.332	100089	42.306	ng/ml
14) Aroclor 1232 (2)	6.101	2056580	573.297	ng/ml
15) Aroclor 1232 (3)	6.186	1084267	550.890	ng/ml
16) Aroclor 1232 (4)	6.343	2734323	1799.674	ng/ml
17) Aroclor 1232 (5)	6.565	3304064	1711.606	ng/ml
18) Aroclor 1232 (6)	6.691	2518969	1599.385	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.691	928522	263.722	ng/ml
21) Aroclor 1242 (2)	6.101	2056580	286.673	ng/ml
22) Aroclor 1242 (3)	6.186	1084267	294.967	ng/ml
23) Aroclor 1242 (4)	6.343	2734323	835.161	ng/ml
24) Aroclor 1242 (5)	6.565	3304064	806.129	ng/ml
25) Aroclor 1242 (6)	6.691	2518969	739.147	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.101	2056580	471.468	ng/ml
28) Aroclor 1248 (2)	6.343	2734323	479.282	ng/ml
29) Aroclor 1248 (3)	6.565	3304064	510.321	ng/ml
30) Aroclor 1248 (4)	6.859	3799159	516.595	ng/ml
31) Aroclor 1248 (5)	6.897	3781177	501.112	ng/ml
32) Aroclor 1248 (6)	7.373	2158452	526.016	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.897	3781177	426.746	ng/ml
35) Aroclor 1254 (2)	7.003	1388405	125.283	ng/ml
36) Aroclor 1254 (3)	7.373	2158452	129.721	ng/ml
37) Aroclor 1254 (4)	7.540	1460088	137.384	ng/ml
38) Aroclor 1254 (5)	7.919	344177	29.711	ng/ml
39) Aroclor 1254 (6)	8.211	135841	36.411	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.514	707301	69.534	ng/ml
42) Aroclor 1260 (2)	7.626	224835	17.785	ng/ml
43) Aroclor 1260 (3)	8.181	39166	4.121	ng/ml
44) Aroclor 1260 (4)	8.352	87302	3.881	ng/ml
45) Aroclor 1260 (5)	8.650	68774	4.525	ng/ml
46) Aroclor 1260 (6)	9.039	20997	3.420	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten: 500.799

Data Path : K:\DATA\0B18016\
 Data File : ECD2F027.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 15:21
 Operator : MJB / KAK
 Sample : 0B18016-ICV5
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:32:07 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

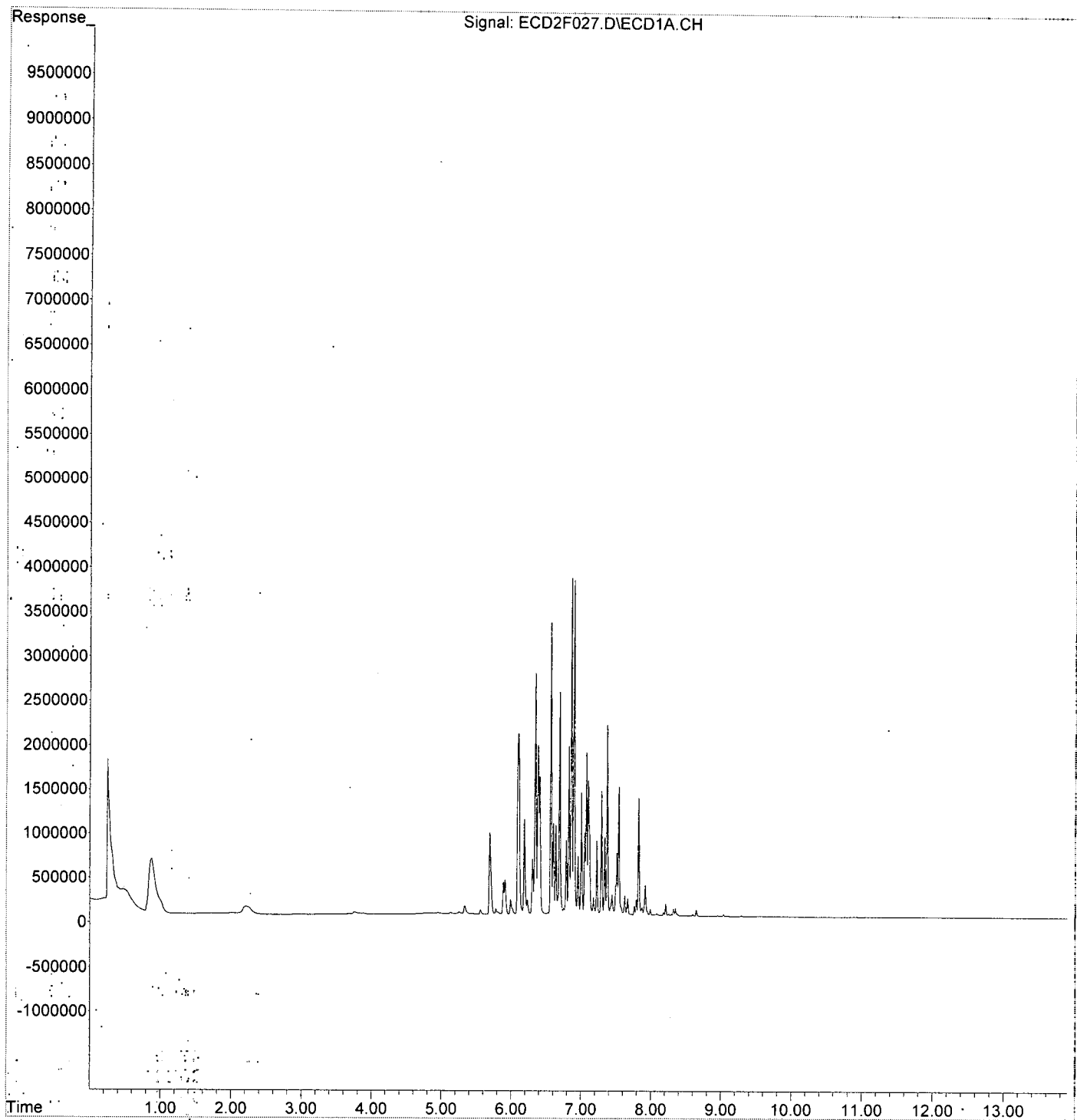
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.626	224835	20.926 ng/ml
49) Aroclor 1262 (2)	7.919	344177	22.464 ng/ml
50) Aroclor 1262 (3)	8.181	39166	3.068 ng/ml
51) Aroclor 1262 (4)	8.352	87302	3.085 ng/ml
52) Aroclor 1262 (5)	8.650	68774	3.805 ng/ml
53) Aroclor 1262 (6)	9.039	20997	2.319 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.181	39166	6.095 ng/ml
56) Aroclor 1268 (2)	8.599	22517	0.759 ng/ml
57) Aroclor 1268 (3)	8.650	68774	2.753 ng/ml
58) Aroclor 1268 (4)	8.825	6262	0.271 ng/ml
59) Aroclor 1268 (5)	9.039	20997	2.280 ng/ml
60) Aroclor 1268 (6)	9.294	11043	0.170 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:21
Operator : MJB / KAK
Sample : 0B18016-ICV5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:32:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 9:47
 Operator : MJB / KAK
 Sample : 0B18016-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:15:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 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)	4.790	735047	9.313 ng/ml
62) S DCBP (S)	9.532	1374925	10.122 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.698	114423	24.833 ng/ml
3) Aroclor 1016 (2)	6.112	195162	22.177 ng/ml
4) Aroclor 1016 (3)	6.194	109732	22.924 ng/ml
5) Aroclor 1016 (4)	6.349	108700	24.525 ng/ml
6) Aroclor 1016 (5)	6.571	124511	24.345 ng/ml
7) Aroclor 1016 (6)	6.698	90576	24.502 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.498	233755	22.980 ng/ml
42) Aroclor 1260 (2)	7.631	289475	22.898 ng/ml
43) Aroclor 1260 (3)	8.186	218521	22.995 ng/ml
44) Aroclor 1260 (4)	8.357	475536	21.139 ng/ml
45) Aroclor 1260 (5)	8.656	327005	21.516 ng/ml
46) Aroclor 1260 (6)	9.045	140639	22.910 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature
2/19/20

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 9:47
 Operator : MJB / KAK
 Sample : 0B18016-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:15:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

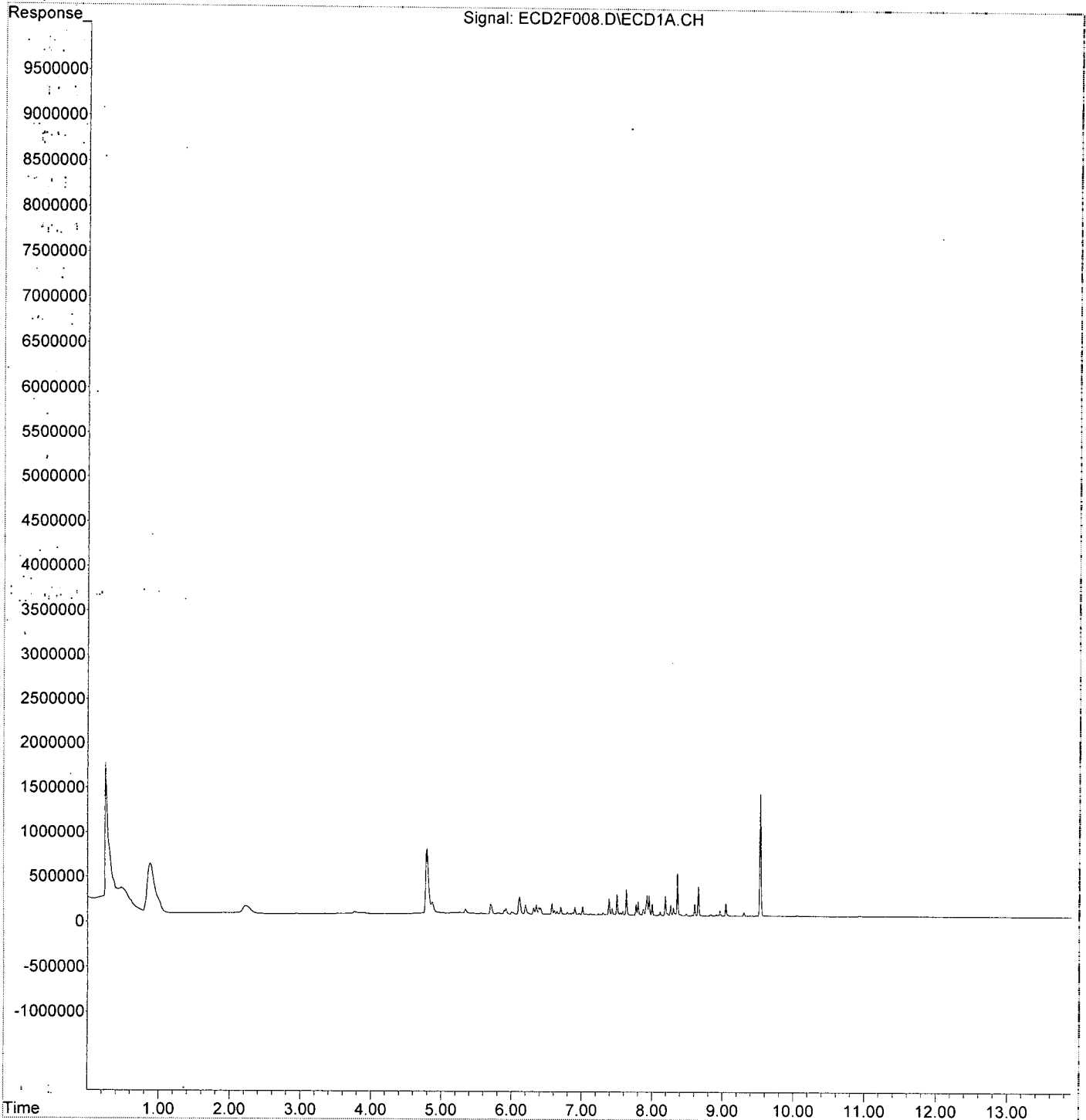
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:04
 Operator : MJB / KAK
 Sample : 0B18016-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:15:43 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 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)	4.782	1907894	24.172 ng/ml
62) S DCBP (S)	9.526	3331882	24.528 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.693	258248	56.046 ng/ml
3) Aroclor 1016 (2)	6.105	455008	51.704 ng/ml
4) Aroclor 1016 (3)	6.188	258433	53.989 ng/ml
5) Aroclor 1016 (4)	6.344	241632	54.517 ng/ml
6) Aroclor 1016 (5)	6.566	280414	54.828 ng/ml
7) Aroclor 1016 (6)	6.692	197133	53.327 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.493	533393	52.437 ng/ml
42) Aroclor 1260 (2)	7.627	658887	52.118 ng/ml
43) Aroclor 1260 (3)	8.182	493633	51.945 ng/ml
44) Aroclor 1260 (4)	8.353	1161834	51.647 ng/ml
45) Aroclor 1260 (5)	8.651	787003	51.782 ng/ml
46) Aroclor 1260 (6)	9.039	310348	50.554 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

MJB
2/19/20

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:04
 Operator : MJB / KAK
 Sample : 0B18016-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:15:43 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

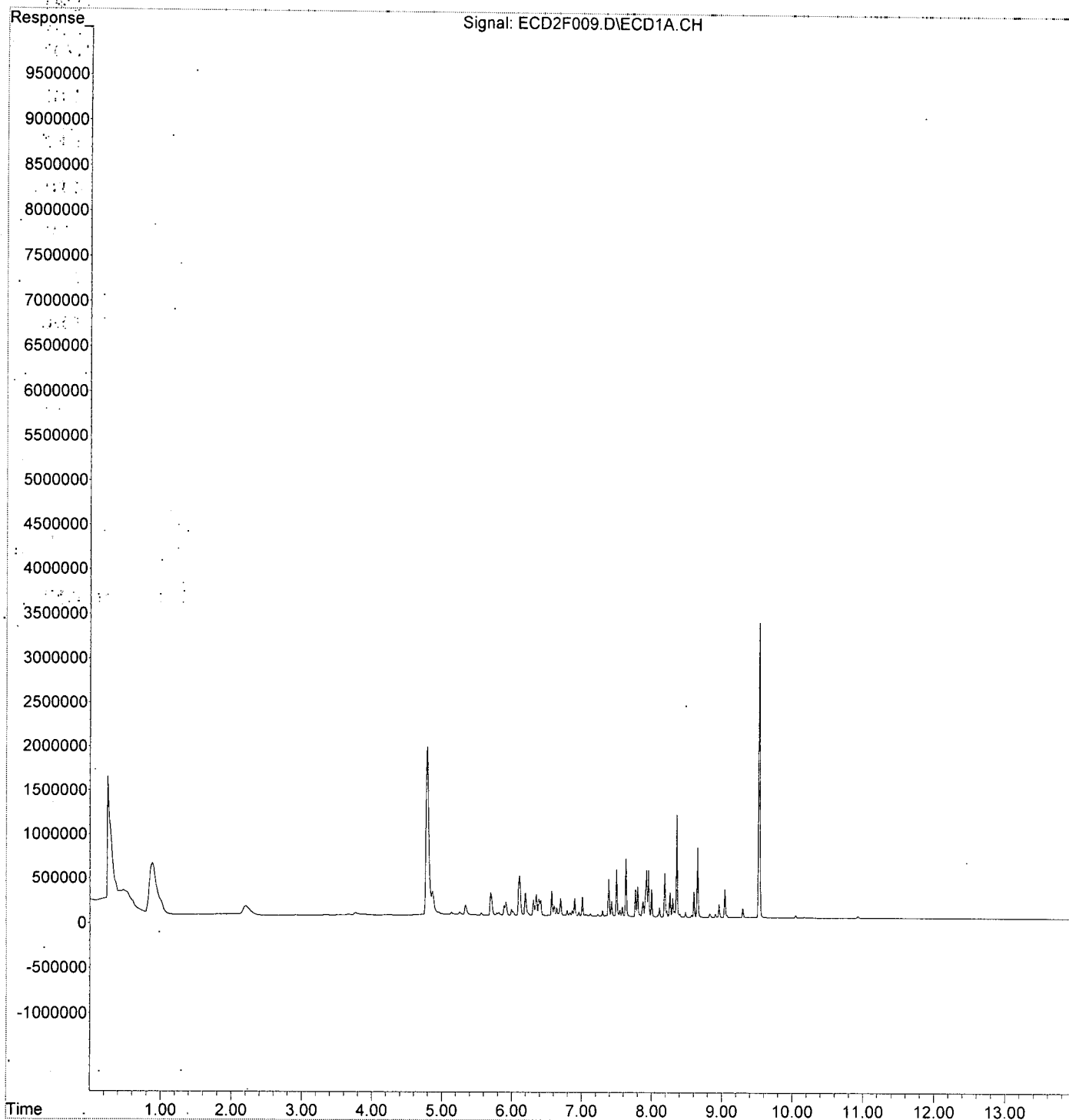
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:22
 Operator : MJB / KAK
 Sample : 0B18016-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:16:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 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)	4.784	3742921	47.421 ng/ml
62) S DCBP (S)	9.527	6837726	50.337 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.693	448508	97.338 ng/ml
3) Aroclor 1016 (2)	6.106	874510	99.373 ng/ml
4) Aroclor 1016 (3)	6.187	461765	96.467 ng/ml
5) Aroclor 1016 (4)	6.344	461493	104.122 ng/ml
6) Aroclor 1016 (5)	6.566	506592	99.051 ng/ml
7) Aroclor 1016 (6)	6.692	370235	100.154 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.493	1031700	101.426 ng/ml
42) Aroclor 1260 (2)	7.627	1208568	95.598 ng/ml
43) Aroclor 1260 (3)	8.181	967418	101.801 ng/ml
44) Aroclor 1260 (4)	8.352	2169781	96.452 ng/ml
45) Aroclor 1260 (5)	8.650	1504417	98.985 ng/ml
46) Aroclor 1260 (6)	9.040	610990	99.528 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

2/19/20

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 18-Feb 2020 10:22
 Operator : MJB / KAK
 Sample : 0B18016-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:16:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

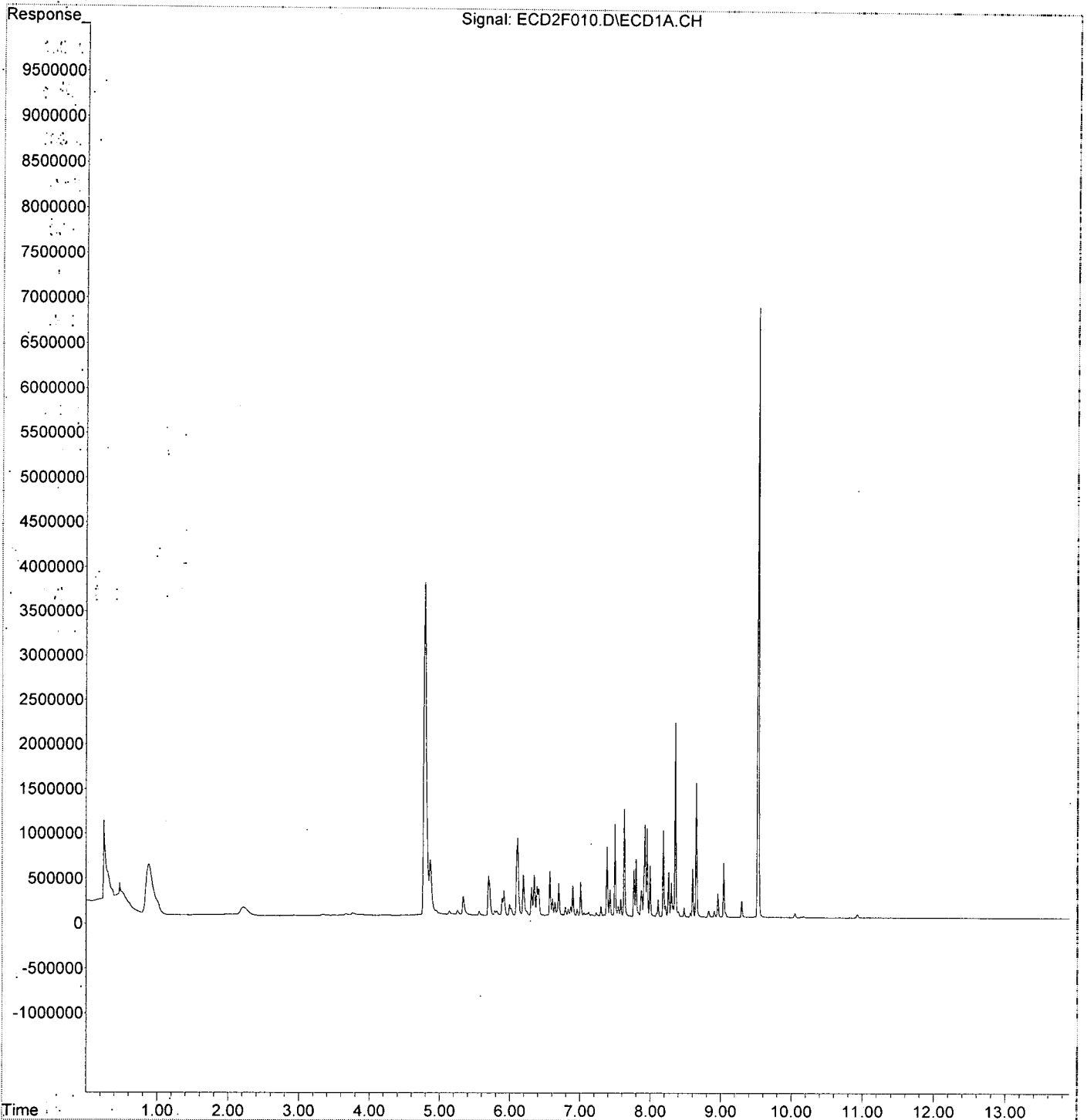
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:40
 Operator : MJB / KAK
 Sample : 0B18016-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:16:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 Qlast Update : Wed Feb 19 09:08:18 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)	4.781	7955297	100.791	ng/ml ✓
62) S DCBP (S)	9.528	13652665	100.506	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.693	880891	191.176	ng/ml
3) Aroclor 1016 (2)	6.105	1702544	193.466	ng/ml
4) Aroclor 1016 (3)	6.187	932254	194.757	ng/ml ✓
5) Aroclor 1016 (4)	6.344	834830	188.354	ng/ml
6) Aroclor 1016 (5)	6.566	1008063	197.100	ng/ml
7) Aroclor 1016 (6)	6.693	725904	196.367	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.494	2053158	201.844	ng/ml
42) Aroclor 1260 (2)	7.627	2559676	202.471	ng/ml
43) Aroclor 1260 (3)	8.183	1795515	188.941	ng/ml
44) Aroclor 1260 (4)	8.353	4490801	199.628	ng/ml ✓
45) Aroclor 1260 (5)	8.651	3066068	201.735	ng/ml
46) Aroclor 1260 (6)	9.040	1206819	196.586	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature
2/19/20

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:40
 Operator : MJB / KAK
 Sample : 0B18016-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:16:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

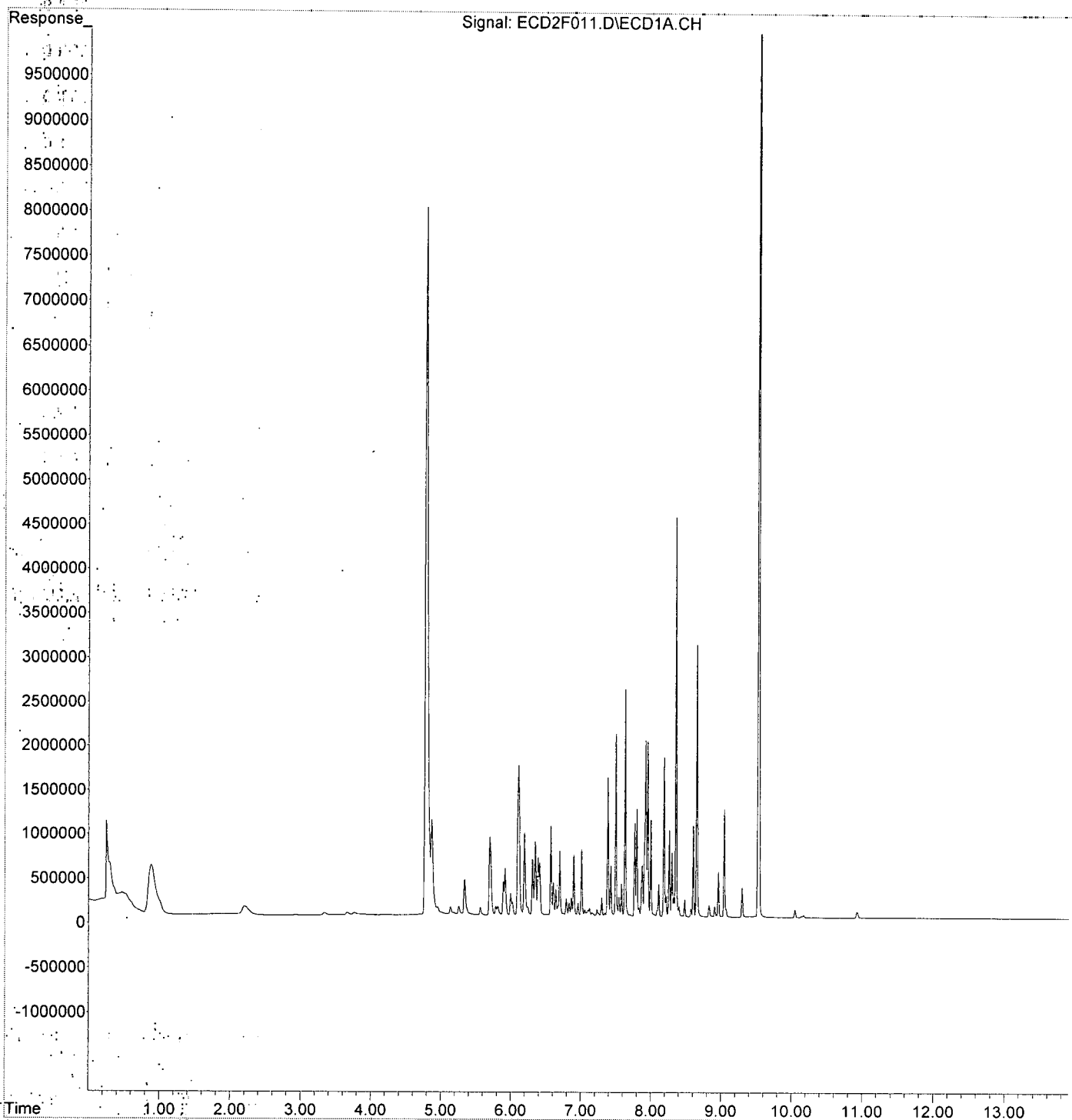
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\OB18016\Requant\
 Data File: FECD2F012.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 10:57
 Operator: MJB / KAK
 Sample: OB18016-CAL5
 Misc:
 ALS Vial: 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:25:09 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 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)	4.780	18620641	235.917	ng/ml ✓
62) S DCBP (S)	9.527	32330296	238.003	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.692	2142875	465.059	ng/ml
3) Aroclor 1016 (2)	6.105	4244215	482.284	ng/ml
4) Aroclor 1016 (3)	6.186	2286878	477.752	ng/ml ✓
5) Aroclor 1016 (4)	6.344	2037988	459.811	ng/ml
6) Aroclor 1016 (5)	6.566	2365422	462.495	ng/ml
7) Aroclor 1016 (6)	6.692	1763397	477.023	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.492	4797117	471.600	ng/ml
42) Aroclor 1260 (2)	7.626	5959812	471.423	ng/ml
43) Aroclor 1260 (3)	8.181	4639944	488.259	ng/ml
44) Aroclor 1260 (4)	8.352	11348630	504.476	ng/ml ✓
45) Aroclor 1260 (5)	8.649	7377000	485.377	ng/ml
46) Aroclor 1260 (6)	9.039	2958395	481.911	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature
2/19/20

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:57
 Operator : MJB / KAK
 Sample : 0B18016-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:25:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

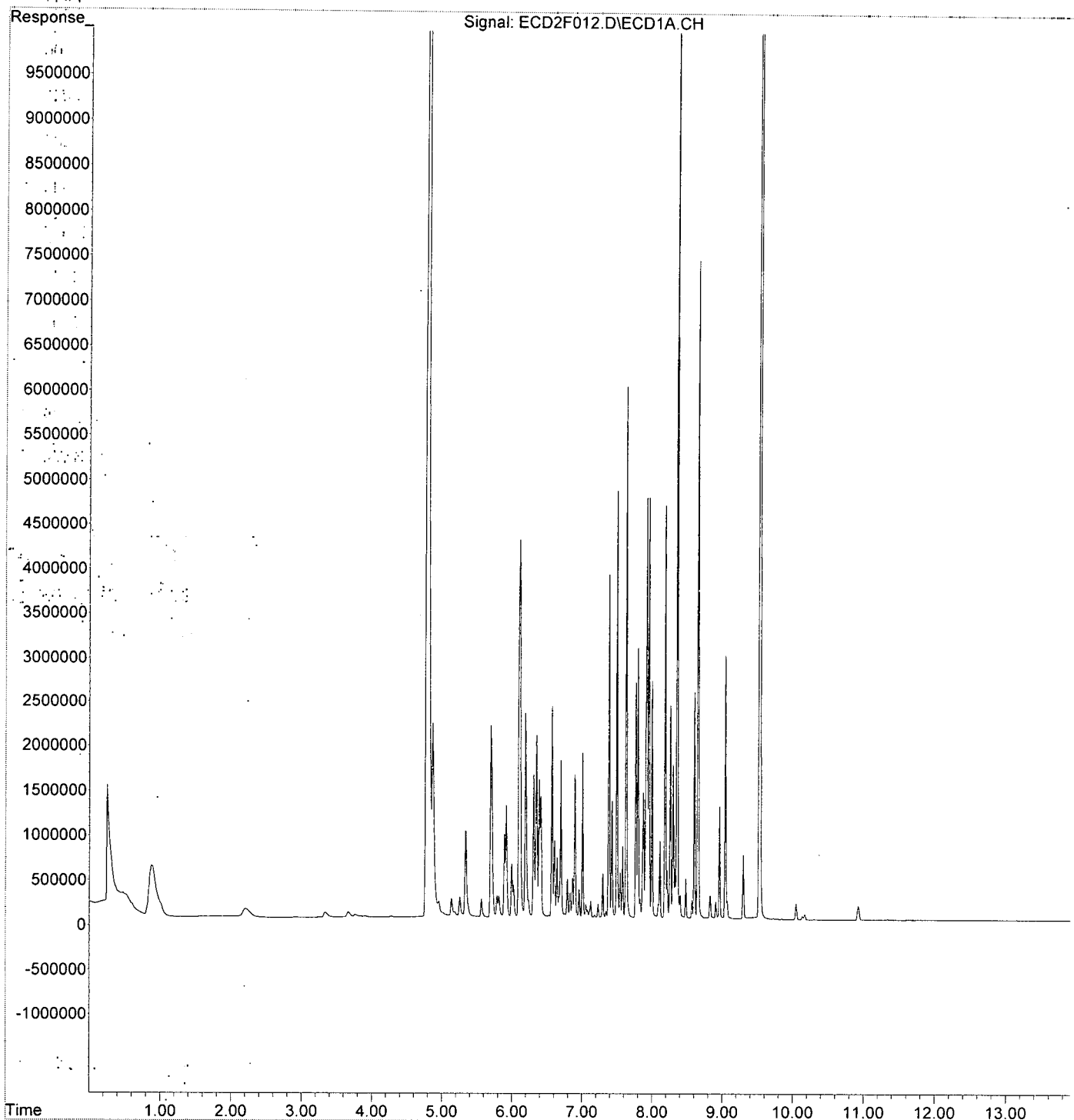
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:25:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\OB18016\Requant\
 Data File: FECD2F013.D
 Signal(s): FECD1A.CH
 Acq On: 18 Feb 2020 11:15
 Operator: MJB / KAK
 Sample: OB18016-CAL6
 Misc:
 ALS Vial: 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:17:50 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 @Last Update: Wed Feb 19 09:08:18 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)	4.779	43144107	546.620	ng/ml
62) S DCBP (S)	9.528	68241993	502.371	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.692	4174752	906.029	ng/ml
3) Aroclor 1016 (2)	6.106	8442266	959.322	ng/ml
4) Aroclor 1016 (3)	6.186	4576954	956.173	ng/ml
5) Aroclor 1016 (4)	6.343	3930132	886.716	ng/ml
6) Aroclor 1016 (5)	6.566	4405368	861.352	ng/ml
7) Aroclor 1016 (6)	6.692	3181732	860.702	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.493	9172675	901.758	ng/ml
42) Aroclor 1260 (2)	7.627	11766076	930.700	ng/ml
43) Aroclor 1260 (3)	8.183	8969606	943.866	ng/ml
44) Aroclor 1260 (4)	8.353	21418035	952.088	ng/ml
45) Aroclor 1260 (5)	8.651	14311647	941.650	ng/ml
46) Aroclor 1260 (6)	9.039	5645108	919.567	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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2/19/20

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 11:15
 Operator : MJB / KAK
 Sample : 0B18016-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:17:50 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

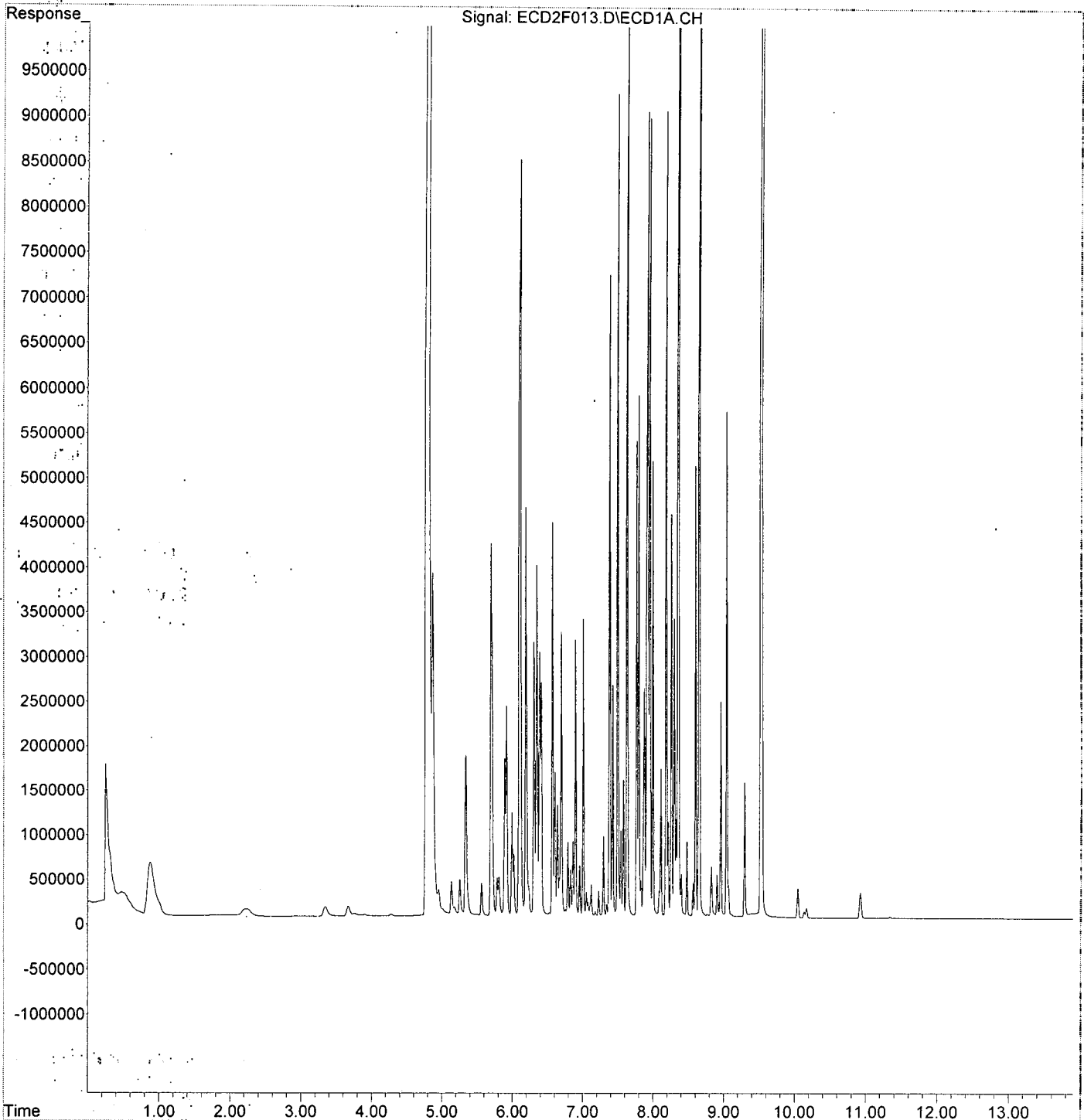
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:17:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0B18016\Requant\
 Data File: ECD2F014.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 11:32
 Operator: MJB / KAK
 Sample: 0B18016-CAL7
 Misc:
 ALS Vial: 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:18:28 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:08:18 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)	4.781	69999506	886.868	ng/ml ✓
62) S DCBP (S)	9.529	112820430	830.539	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.694	6027112	1308.039	ng/ml
3) Aroclor 1016 (2)	6.105	12832323	1458.179	ng/ml
4) Aroclor 1016 (3)	6.187	6633473	1385.801	ng/ml ✓
5) Aroclor 1016 (4)	6.344	5944203	1341.131	ng/ml
6) Aroclor 1016 (5)	6.566	7087609	1385.793	ng/ml
7) Aroclor 1016 (6)	6.692	5047266	1365.355	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.494	14247948	1400.704	ng/ml
42) Aroclor 1260 (2)	7.627	18410958	1456.313	ng/ml
43) Aroclor 1260 (3)	8.182	13232054	1392.401	ng/ml
44) Aroclor 1260 (4)	8.353	33285610	1479.633	ng/ml ✓
45) Aroclor 1260 (5)	8.651	22288379	1466.487	ng/ml
46) Aroclor 1260 (6)	9.039	9041001	1472.745	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 11:32
 Operator : MJB / KAK
 Sample : 0B18016-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:18:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:08:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

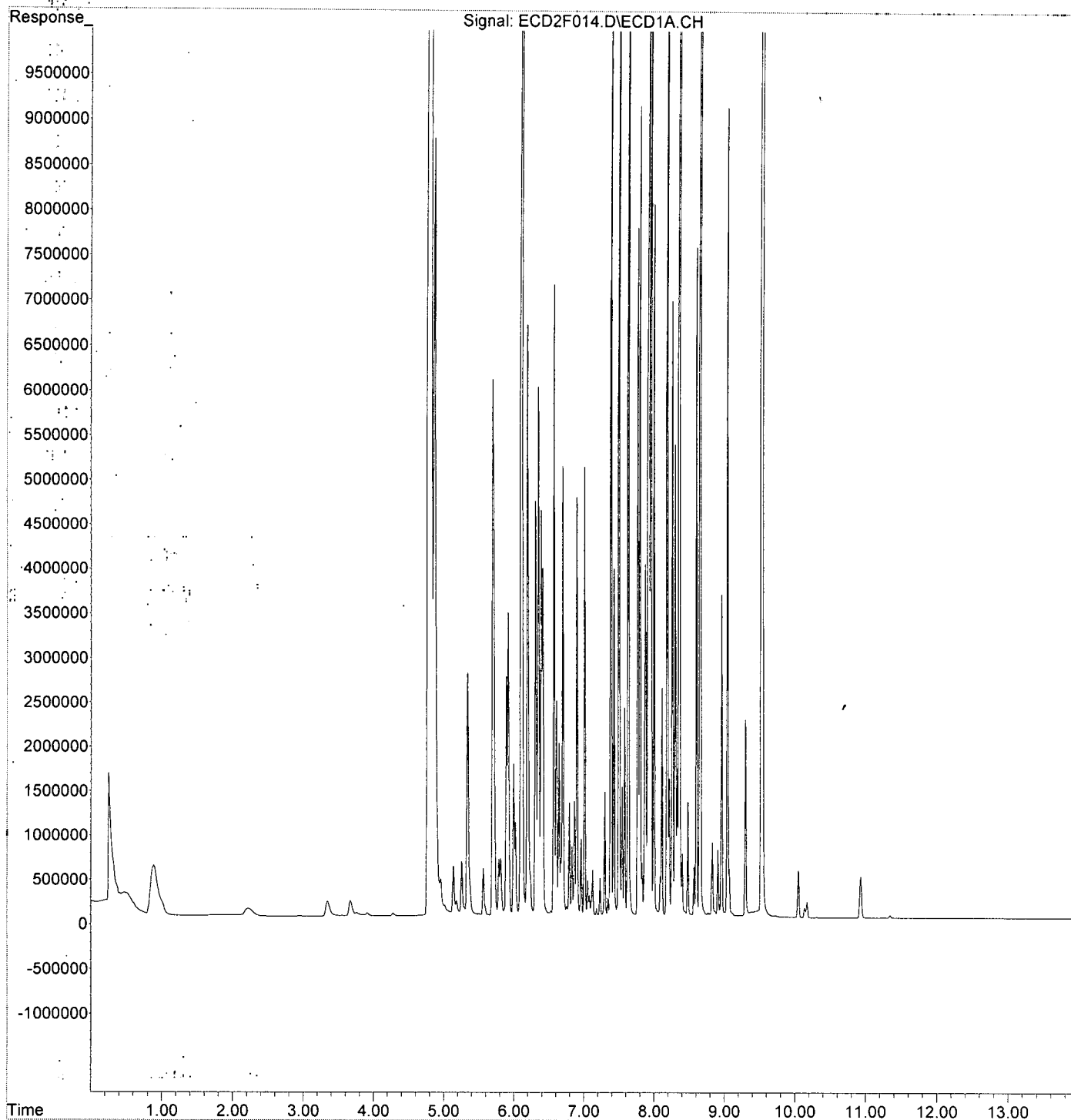
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:18:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 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	Hexane	E2A21015	1	Sample		
2	Vial 1	Hexane	E2A21015	1	Sample		
3	Vial 2	0B18016-CCV1	E2A21015	1	Sample		
4	Vial 3	0B18016-CCB1	E2A21015	1	Sample		
5	Vial 1	Hexane	E2A21015	1	Sample		
6	Vial 2	0B18016-CCV2	E2A21015	1	Sample		
7	Vial 3	0B18016- CCB2 ICB1	E2A21015	1	Sample		
8	Vial 4	0B18016-CAL1	E2A21015	1	Sample		
9	Vial 5	0B18016-CAL2	E2A21015	1	Sample		
10	Vial 6	0B18016-CAL3	E2A21015	1	Sample		
11	Vial 7	0B18016-CAL4	E2A21015	1	Sample		
12	Vial 8	0B18016-CAL5	E2A21015	1	Sample		
13	Vial 9	0B18016-CAL6	E2A21015	1	Sample		
14	Vial 10	0B18016-CAL7	E2A21015	1	Sample		
15	Vial 1	0B18016-IBL1	E2A21015	1	Sample		
16	Vial 11	0B18016-ICV1	E2A21015	1	Sample		
17	Vial 12	0B18016-CAL8	E2A21015	1	Sample		
18	Vial 13	0B18016-CAL9	E2A21015	1	Sample		
19	Vial 14	0B18016-CALA	E2A21015	1	Sample		
20	Vial 15	0B18016-CALB	E2A21015	1	Sample		
21	Vial 16	0B18016-CALC	E2A21015	1	Sample		
22	Vial 17	0B18016-CALD	E2A21015	1	Sample		
23	Vial 18	0B18016-CALE	E2A21015	1	Sample		
24	Vial 19	0B18016-ICV2	E2A21015	1	Sample		
25	Vial 20	0B18016-ICV3	E2A21015	1	Sample		
26	Vial 21	0B18016-ICV4	E2A21015	1	Sample		
27	Vial 22	0B18016-ICV5	E2A21015	1	Sample		
28	Vial 1	Hexane	E2A21015	1	Sample		
29	Vial 1	Hexane	E2A21015	1	Sample		
30	Vial 1	Hexane	E2A21015	1	Sample		

MJ 2/18/20

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 51	Hexane	E2A21015	1	Sample		
3	Vial 52	0B18017-CCV1	E2A21015	1	Sample		
4	Vial 53	0B18017-CCB1	E2A21015	1	Sample		
5	Vial 54	0020441-BLK1	E2A21015	1	Sample		
6	Vial 55	0020441-BS1	E2A21015	1	Sample		
7	Vial 56	A0B0357-13	E2A21015	1	Sample		
8	Vial 51	0B18017-IBL1	E2A21015	1	Sample		
9	Vial 57	0020441-DUP1	E2A21015	1	Sample		
10	Vial 51	0B18017-IBL2	E2A21015	1	Sample		
11	Vial 58	A0B0357-14	E2A21015	1	Sample		
12	Vial 51	0B18017-IBL3	E2A21015	1	Sample		
13	Vial 59	A0B0373-01	E2A21015	1	Sample		
14	Vial 51	0B18017-IBL4	E2A21015	1	Sample		
15	Vial 52	0B18017-CCV2	E2A21015	1	Sample		
16	Vial 53	0B18017-CCB2	E2A21015	1	Sample		
17	Vial 60	A0B0359-01	E2A21015	1	Sample		
18	Vial 51	0B18017-IBL5	E2A21015	1	Sample		
19	Vial 61	A0B0359-02	E2A21015	1	Sample		
20	Vial 51	0B18017-IBL6	E2A21015	1	Sample		

Data Path : K:\DATA\0B18016\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 9:47
 Operator : MJB / KAK
 Sample : 0B18016-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:42:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.790	735047	11.039 ng/ml
62) S DCBP (S)	9.532	1374925	12.312 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.698	114423	30.611 ng/ml
3) Aroclor 1016 (2)	6.112	195162	27.129 ng/ml
4) Aroclor 1016 (3)	6.194	109732	27.620 ng/ml
5) Aroclor 1016 (4)	6.349	108700	30.386 ng/ml
6) Aroclor 1016 (5)	6.571	124511	29.992 ng/ml
7) Aroclor 1016 (6)	6.698	90576	30.879 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.498	233755	28.069 ng/ml
42) Aroclor 1260 (2)	7.631	289475	28.373 ng/ml
43) Aroclor 1260 (3)	8.186	218521	27.783 ng/ml
44) Aroclor 1260 (4)	8.357	475536	25.541 ng/ml
45) Aroclor 1260 (5)	8.656	327005	27.034 ng/ml
46) Aroclor 1260 (6)	9.045	140639	27.498 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 9:47
 Operator : MJB / KAK
 Sample : 0B18016-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:42:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019.
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

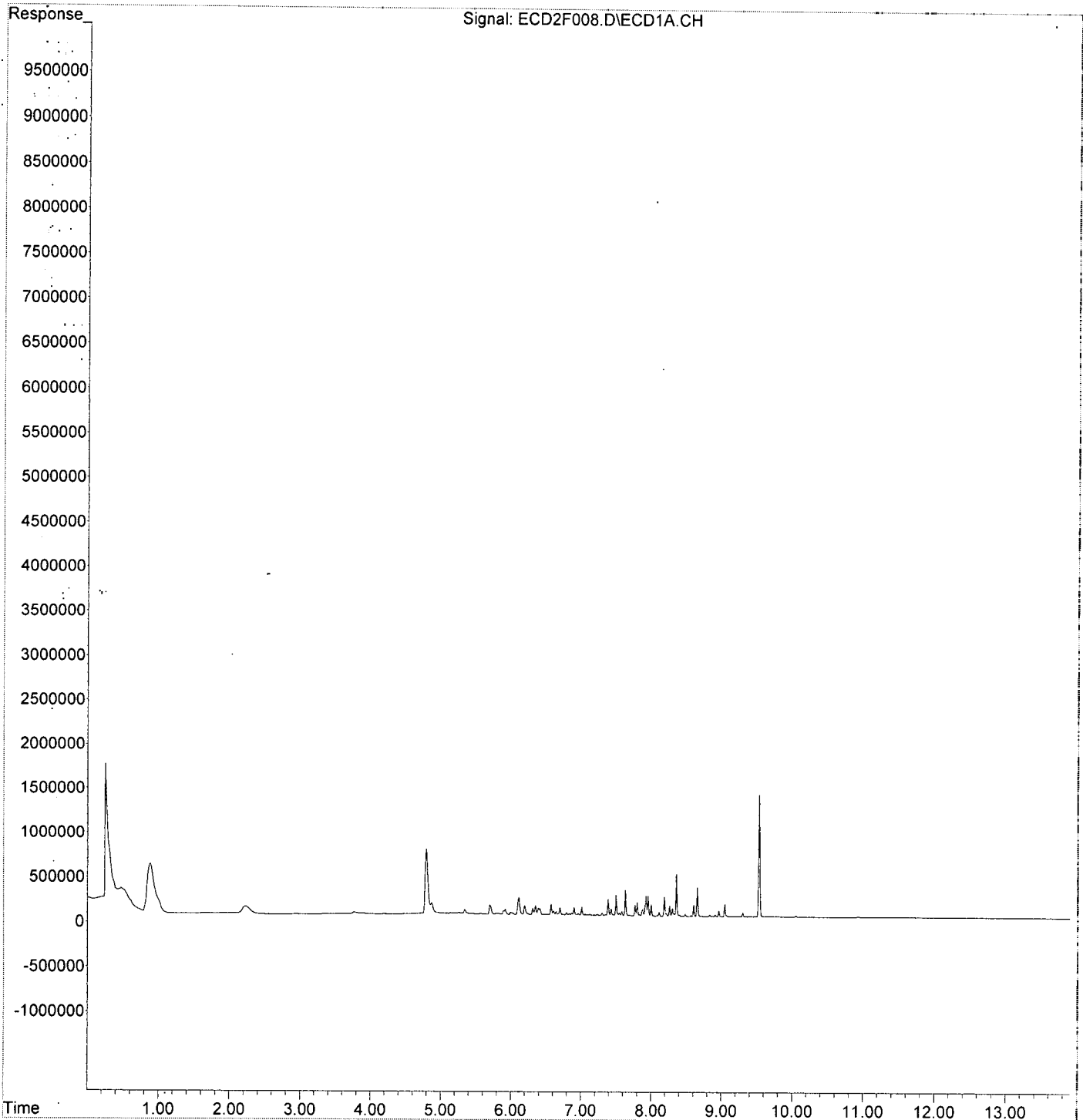
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:42:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:04
 Operator : MJB / KAK
 Sample : 0B18016-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:44:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.782	1907894	28.652 ng/ml
62) S DCBP (S)	9.526	3331882	29.835 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.693	258248	69.088 ng/ml
3) Aroclor 1016 (2)	6.105	455008	63.249 ng/ml
4) Aroclor 1016 (3)	6.188	258433	65.049 ng/ml
5) Aroclor 1016 (4)	6.344	241632	67.545 ng/ml
6) Aroclor 1016 (5)	6.566	280414	67.546 ng/ml
7) Aroclor 1016 (6)	6.692	197133	67.207 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.493	533393	64.050 ng/ml
42) Aroclor 1260 (2)	7.627	658887	64.582 ng/ml
43) Aroclor 1260 (3)	8.182	493633	62.762 ng/ml
44) Aroclor 1260 (4)	8.353	1161834	62.402 ng/ml
45) Aroclor 1260 (5)	8.651	787003	65.063 ng/ml
46) Aroclor 1260 (6)	9.039	310348	60.679 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature
 2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:04
 Operator : MJB / KAK
 Sample : 0B18016-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:44:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

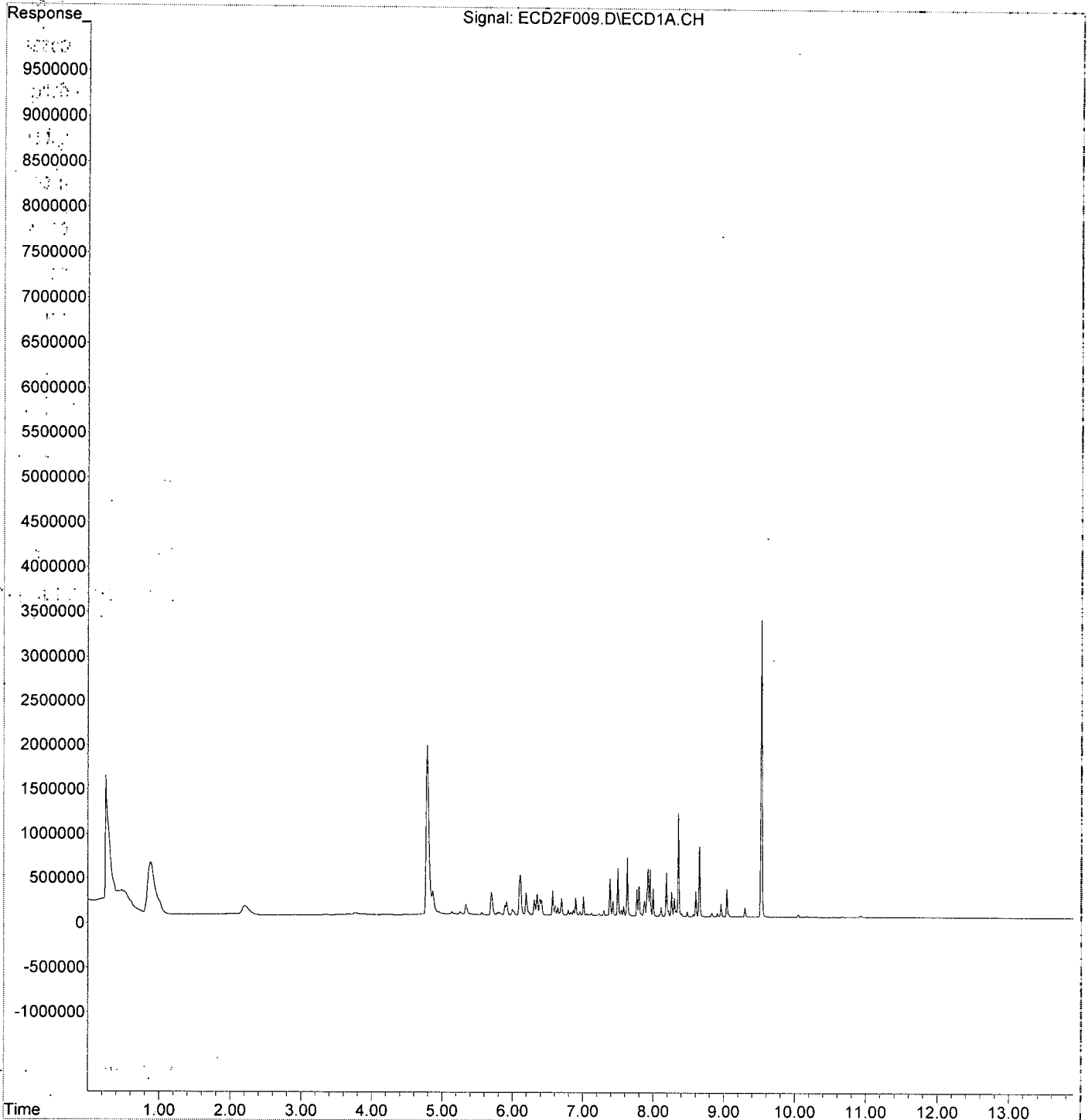
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:44:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 18-Feb-2020 10:22
 Operator : MJB / KAK
 Sample : 0B18016-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:46:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.784	3742921	56.210 ng/ml
62) S DCBP (S)	9.527	6837726	61.229 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.693	448508	119.988 ng/ml
3) Aroclor 1016 (2)	6.106	874510	121.563 ng/ml
4) Aroclor 1016 (3)	6.187	461765	116.228 ng/ml
5) Aroclor 1016 (4)	6.344	461493	129.004 ng/ml
6) Aroclor 1016 (5)	6.566	506592	122.027 ng/ml
7) Aroclor 1016 (6)	6.692	370235	126.221 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.493	1031700	123.886 ng/ml
42) Aroclor 1260 (2)	7.627	1208568	118.469 ng/ml
43) Aroclor 1260 (3)	8.181	967418	123.000 ng/ml
44) Aroclor 1260 (4)	8.352	2169781	116.539 ng/ml
45) Aroclor 1260 (5)	8.650	1504417	124.373 ng/ml
46) Aroclor 1260 (6)	9.040	610990	119.460 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature
 2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:22
 Operator : MJB / KAK
 Sample : 0B18016-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:46:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

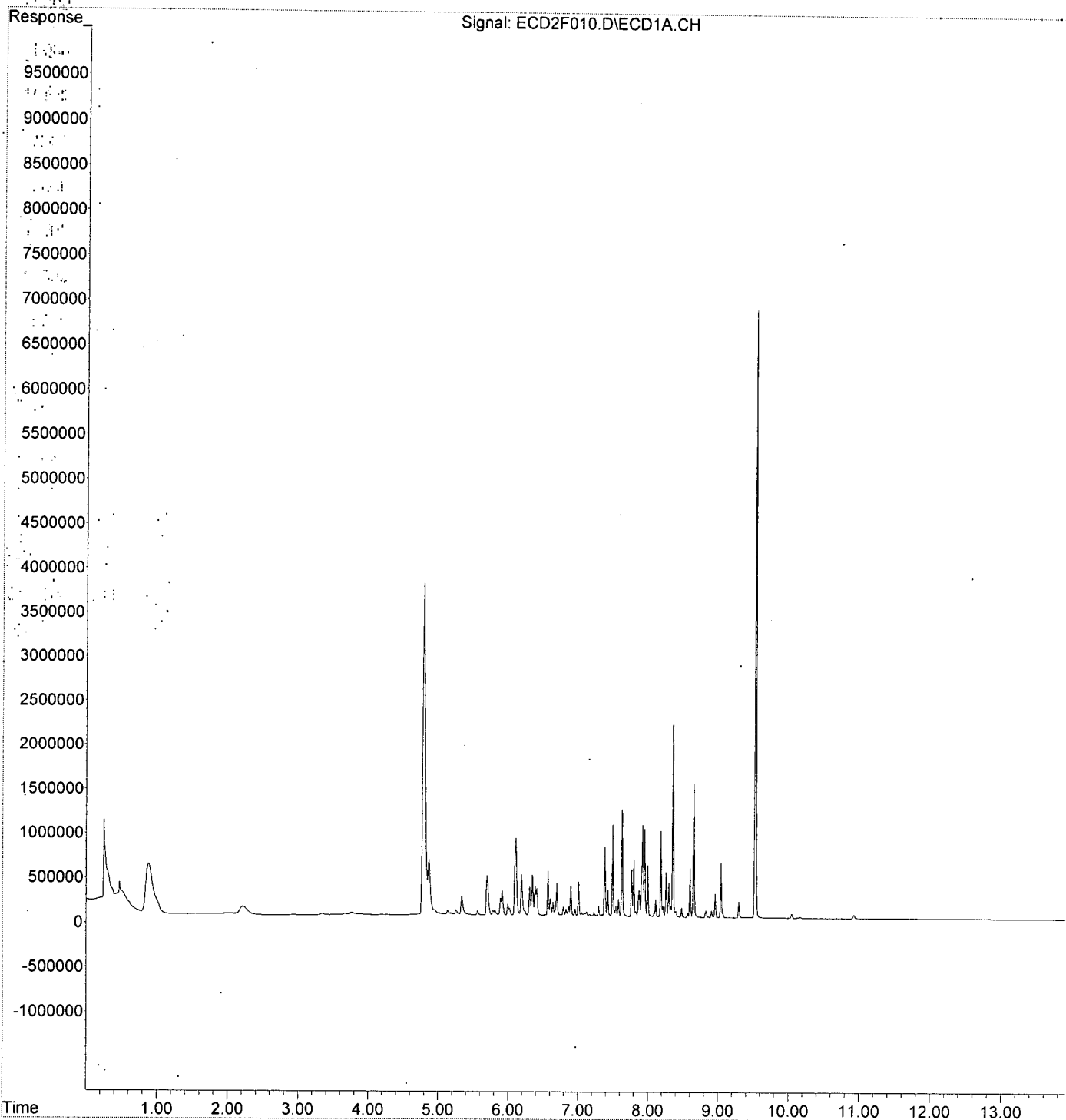
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:46:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0B18016\
 Data File: ECD2F011.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 10:40
 Operator: MJB / KAK
 Sample: 0B18016-CAL4
 Misc:
 ALS Vial: 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:47:15 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Dec 04 15:29:22 2019
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.781	7955297	119.471	ng/ml
62) S DCBP (S)	9.528	13652665	122.253	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.693	880891	235.661	ng/ml
3) Aroclor 1016 (2)	6.105	1702544	236.665	ng/ml
4) Aroclor 1016 (3)	6.187	932254	234.652	ng/ml
5) Aroclor 1016 (4)	6.344	834830	233.365	ng/ml
6) Aroclor 1016 (5)	6.566	1008063	242.820	ng/ml
7) Aroclor 1016 (6)	6.693	725904	247.476	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.494	2053158	246.543	ng/ml
42) Aroclor 1260 (2)	7.627	2559676	250.890	ng/ml
43) Aroclor 1260 (3)	8.183	1795515	228.287	ng/ml
44) Aroclor 1260 (4)	8.353	4490801	241.201	ng/ml
45) Aroclor 1260 (5)	8.651	3066068	253.478	ng/ml
46) Aroclor 1260 (6)	9.040	1206819	235.956	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature
2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:40
 Operator : MJB / KAK
 Sample : 0B18016-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:47:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

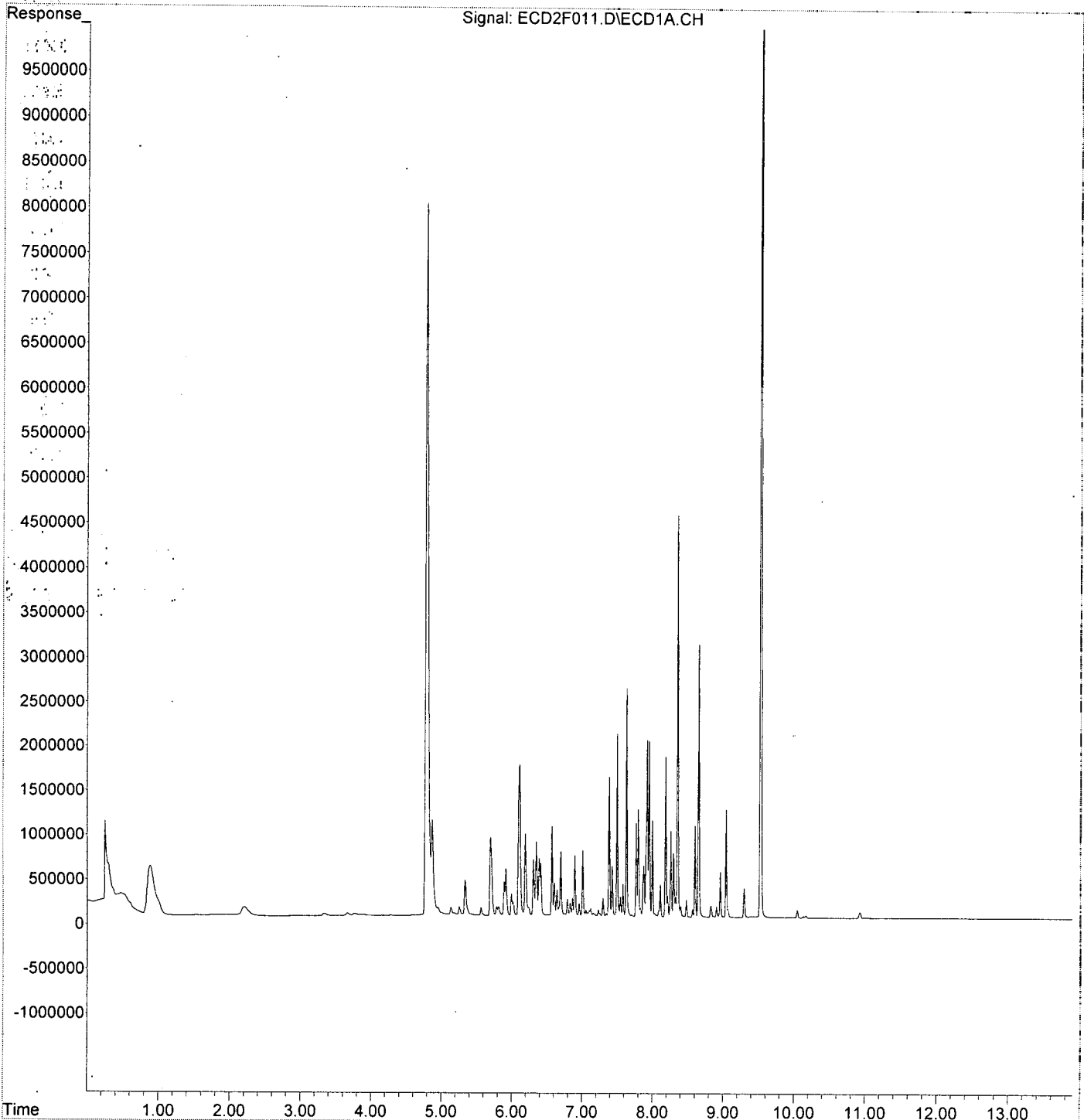
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:47:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:57
 Operator : MJB / KAK
 Sample : 0B18016-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:41:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.780	18620641	279.641 ng/ml
62) S DCBP (S)	9.527	32330296	289.503 ng/ml
Target Compounds:			
2) Aroclor 1016 (1)	5.692	2142875	573.274 ng/ml
3) Aroclor 1016 (2)	6.105	4244215	589.974 ng/ml
4) Aroclor 1016 (3)	6.186	2286878	575.616 ng/ml
5) Aroclor 1016 (4)	6.344	2037988	569.691 ng/ml
6) Aroclor 1016 (5)	6.566	2365422	569.777 ng/ml
7) Aroclor 1016 (6)	6.692	1763397	601.180 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.492	4797117	576.037 ng/ml
42) Aroclor 1260 (2)	7.626	5959812	584.158 ng/ml
43) Aroclor 1260 (3)	8.181	4639944	589.936 ng/ml
44) Aroclor 1260 (4)	8.352	11348630	609.536 ng/ml
45) Aroclor 1260 (5)	8.649	7377000	609.872 ng/ml
46) Aroclor 1260 (6)	9.039	2958395	578.421 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature
 2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 10:57
 Operator : MJB / KAK
 Sample : 0B18016-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:41:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

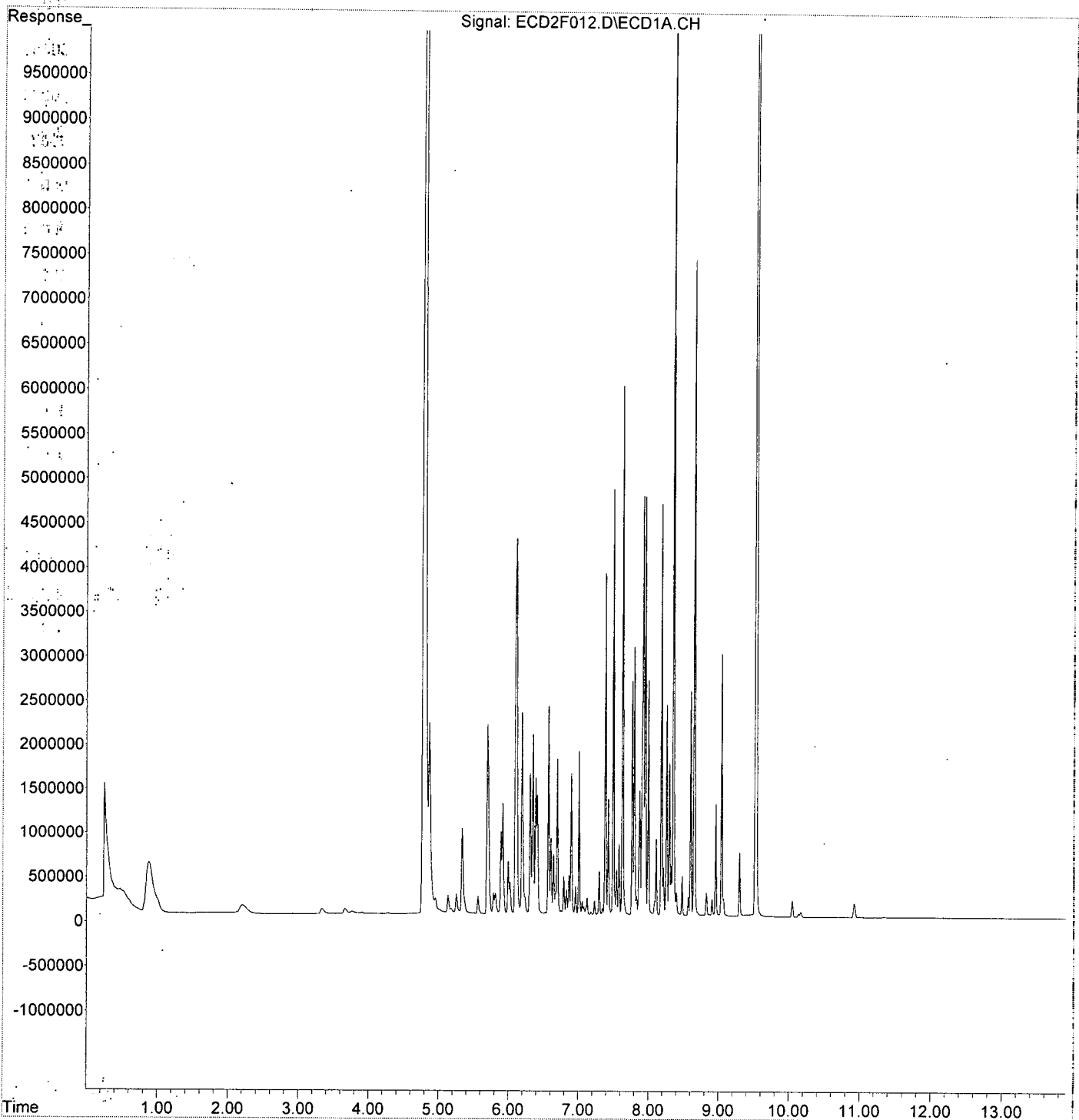
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:41:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 11:15
 Operator : MJB / KAK
 Sample : 0B18016-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:48:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.779	43144107	647.928 ng/ml
62) S DCBP (S)	9.528	68241993	611.076 ng/ml
Target Compounds:			
2) Aroclor 1016 (1)	5.692	4174752	1116.854 ng/ml
3) Aroclor 1016 (2)	6.106	8442266	1173.530 ng/ml
4) Aroclor 1016 (3)	6.186	4576954	1152.036 ng/ml
5) Aroclor 1016 (4)	6.343	3930132	1098.614 ng/ml
6) Aroclor 1016 (5)	6.566	4405368	1061.155 ng/ml
7) Aroclor 1016 (6)	6.692	3181732	1084.720 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.493	9172675	1101.454 ng/ml
42) Aroclor 1260 (2)	7.627	11766076	1153.266 ng/ml
43) Aroclor 1260 (3)	8.183	8969606	1140.423 ng/ml
44) Aroclor 1260 (4)	8.353	21418035	1150.365 ng/ml
45) Aroclor 1260 (5)	8.651	14311647	1183.174 ng/ml
46) Aroclor 1260 (6)	9.039	5645108	1103.724 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

[Signature]
2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 11:15
 Operator : MJB / KAK
 Sample : 0B18016-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:48:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

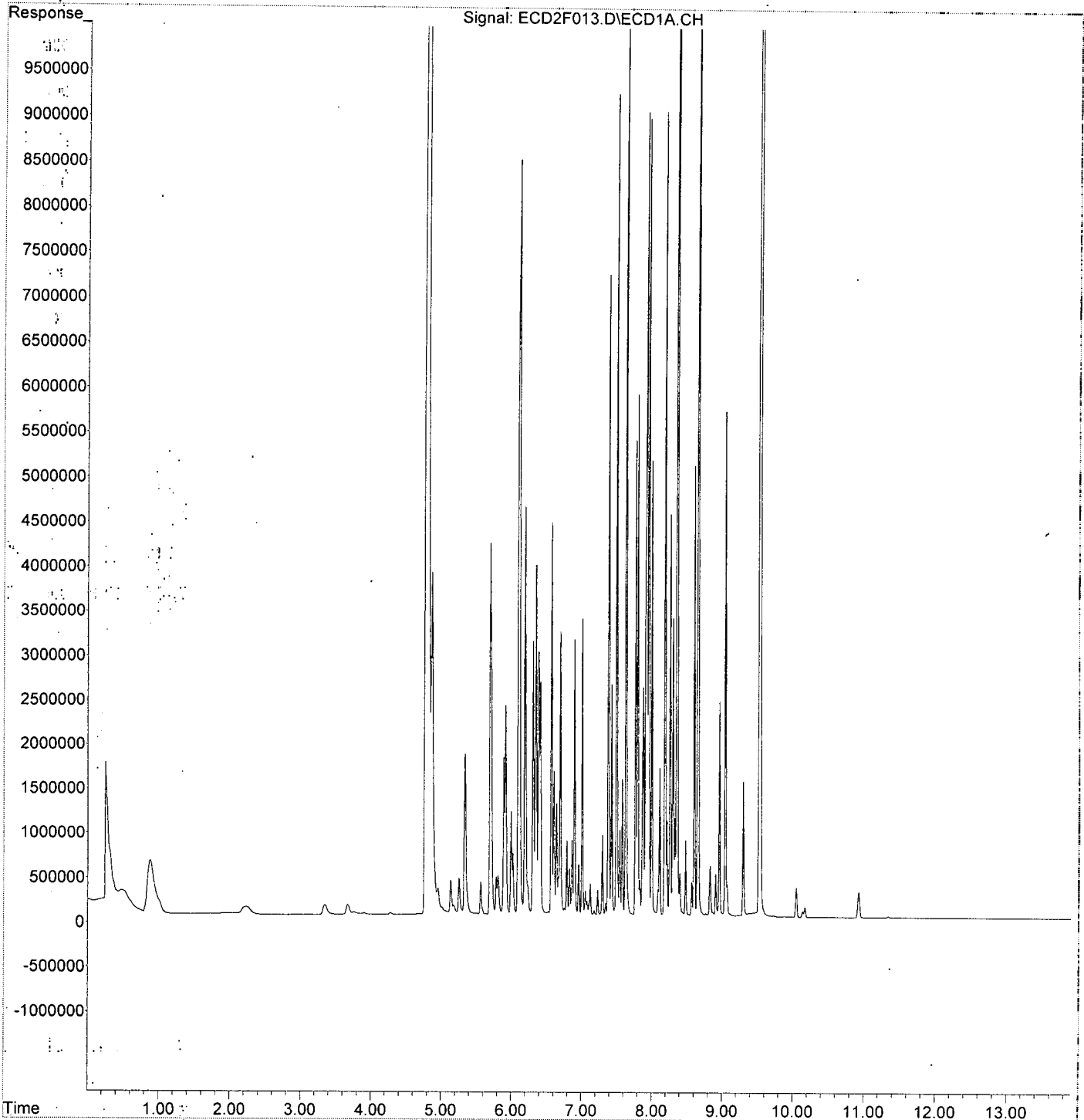
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:48:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\OB18016\
 Data File: ECD2F014.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 11:32
 Operator: MJB / KAK
 Sample: OB18016-CAL7
 Misc:
 ALS Vial: 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:50:02 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Dec 04 15:29:22 2019
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.781	69999506	1051.237	ng/ml
62) S DCBP (S)	9.529	112820430	1010.255	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.694	6027112	1612.408	ng/ml
3) Aroclor 1016 (2)	6.105	12832323	1783.777	ng/ml
4) Aroclor 1016 (3)	6.187	6633473	1669.670	ng/ml
5) Aroclor 1016 (4)	6.344	5944203	1661.620	ng/ml
6) Aroclor 1016 (5)	6.566	7087609	1707.246	ng/ml
7) Aroclor 1016 (6)	6.692	5047266	1720.720	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.494	14247948	1710.892	ng/ml
42) Aroclor 1260 (2)	7.627	18410958	1804.572	ng/ml
43) Aroclor 1260 (3)	8.182	13232054	1682.363	ng/ml
44) Aroclor 1260 (4)	8.353	33285610	1787.774	ng/ml
45) Aroclor 1260 (5)	8.651	22288379	1842.628	ng/ml
46) Aroclor 1260 (6)	9.039	9041001	1767.684	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 11:32
 Operator : MJB / KAK
 Sample : 0B18016-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:50:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

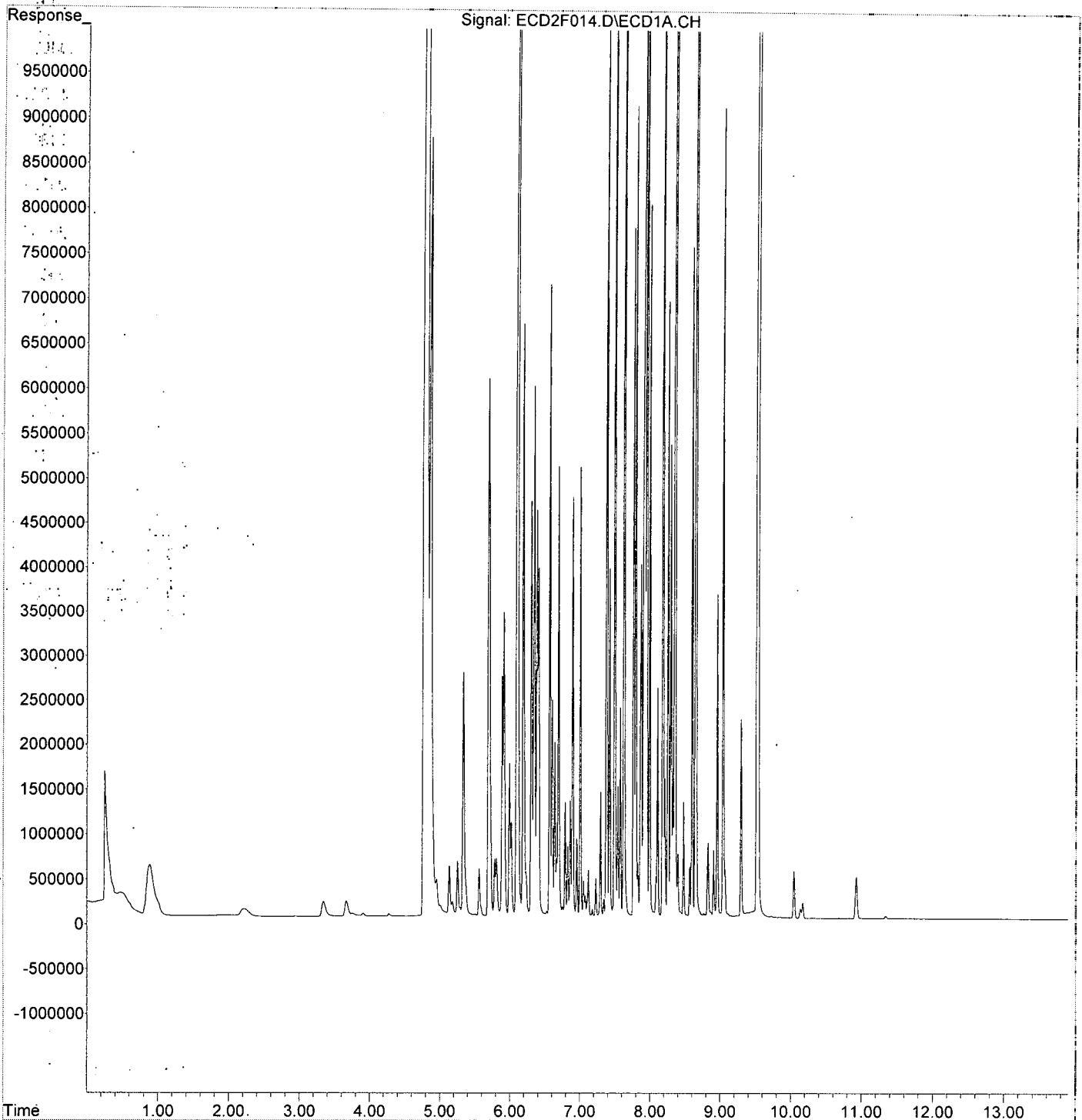
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:50:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0B18016\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 12:25
 Operator : MJB /-KAK
 Sample : 0B18016-CAL8
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:52:27 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 Last Update: Wed Feb 19 08:52:20 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.133	681657	629.745	ng/ml
10) Aroclor 1221 (2)	5.252	460608	641.901	ng/ml
11) Aroclor 1221 (3)	5.333	1418555	606.191	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 12:25
 Operator : MJB / KAK
 Sample : 0B18016-CAL8
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:52:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 08:52:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

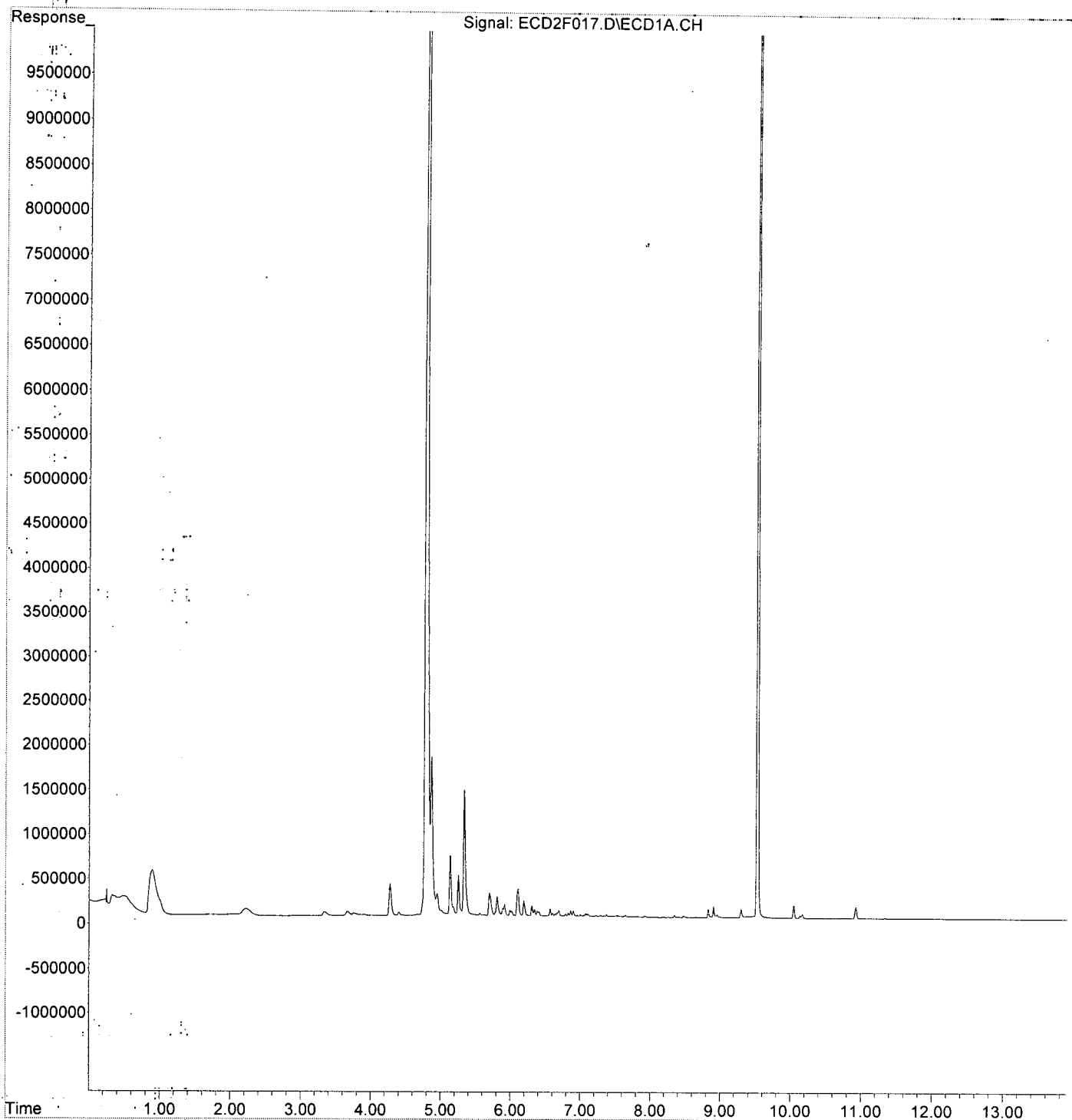
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:25
Operator : MJB / KAK
Sample : 0B18016-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:52:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:52:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\OB18016\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 12:43
 Operator : MJB / KAK
 Sample : OB18016-CAL9
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:54:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 08:54:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.332	1182929	665.999	ng/ml
14) Aroclor 1232 (2)	6.104	1793644	645.153	ng/ml
15) Aroclor 1232 (3)	6.187	984104	670.854	ng/ml
16) Aroclor 1232 (4)	6.344	759672	666.750	ng/ml
17) Aroclor 1232 (5)	6.566	965194	672.151	ng/ml
18) Aroclor 1232 (6)	6.691	787481	657.263	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 12:43
 Operator : MJB / KAK
 Sample : 0B18016-CAL9
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:54:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 08:54:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

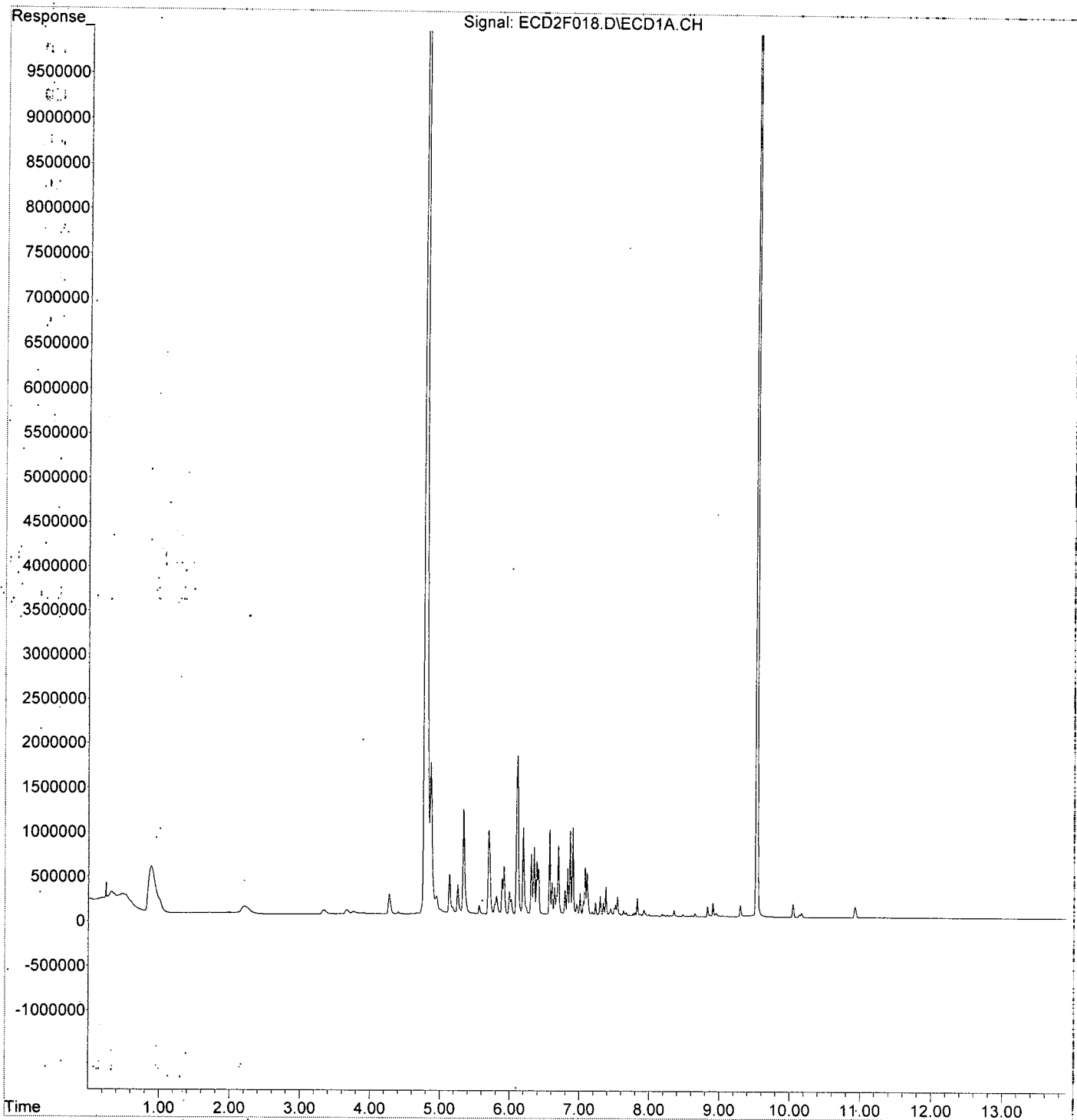
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:43
Operator : MJB / KAK
Sample : 0B18016-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:54:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:54:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0B18016\
 Data File: ECD2F019.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 13:00
 Operator: MJB / KAK
 Sample: 0B18016-CALA
 Misc:
 ALS Vial: 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:56:30 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 Last Update: Wed Feb 19 08:56:23 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.692	1760415	662.801	ng/ml
21) Aroclor 1242 (2)	6.105	3586981	691.522	ng/ml
22) Aroclor 1242 (3)	6.186	1837949	651.715	ng/ml
23) Aroclor 1242 (4)	6.344	1637004	715.105	ng/ml
24) Aroclor 1242 (5)	6.566	2049340	686.614	ng/ml
25) Aroclor 1242 (6)	6.692	1703971	679.084	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 13:00
 Operator : MJB / KAK
 Sample : 0B18016-CALA
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:56:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 08:56:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

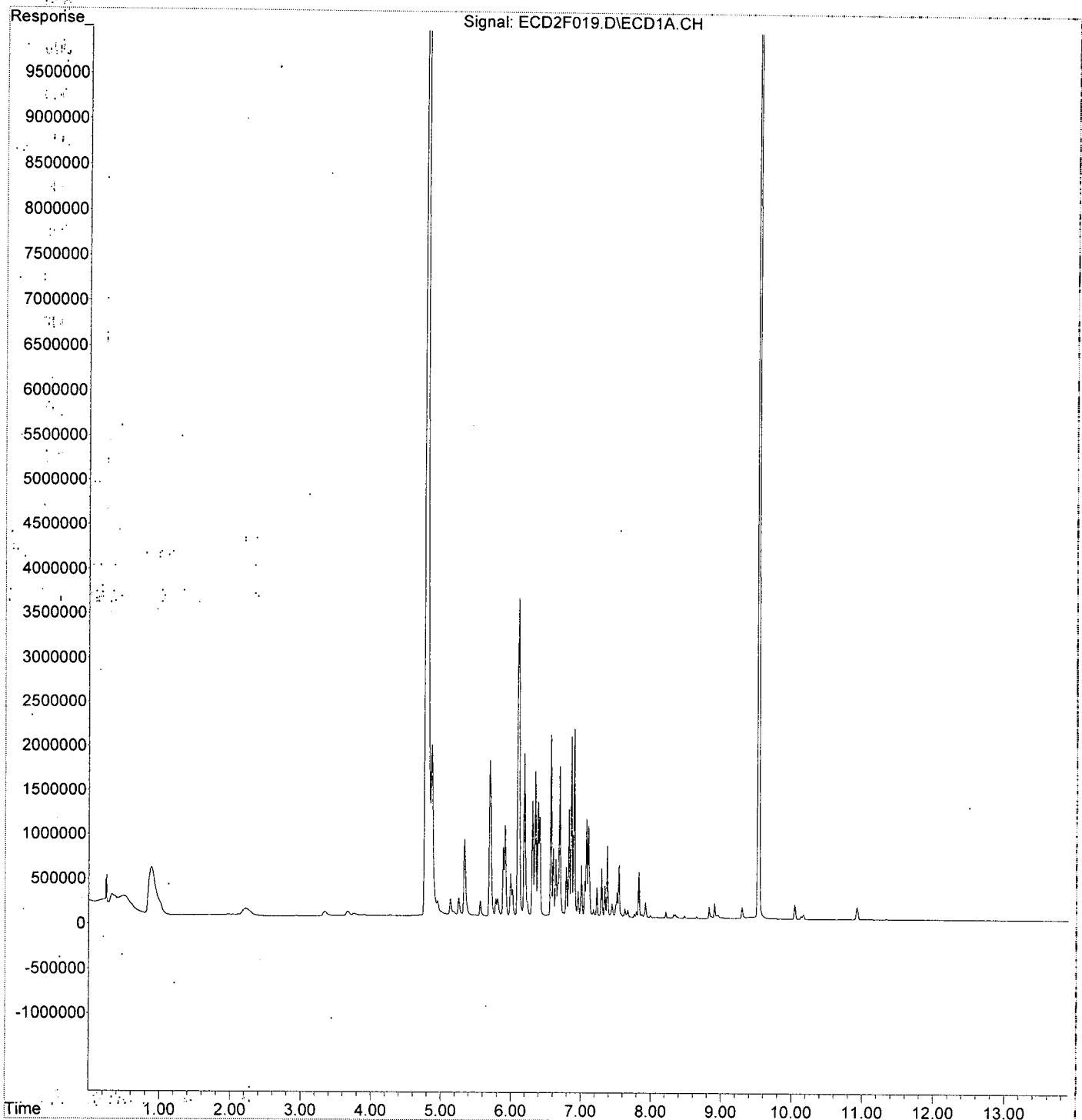
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On. : 18 Feb 2020 13:00
Operator : MJB / KAK
Sample : 0B18016-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:56:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:56:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\OB18016\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 13:18
 Operator : MJB / KAK
 Sample : OB18016-CALB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:58:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 08:58:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.106	2181041	640.862	ng/ml
28) Aroclor 1248 (2)	6.345	2852519	631.757	ng/ml
29) Aroclor 1248 (3)	6.567	3237239	620.296	ng/ml
30) Aroclor 1248 (4)	6.861	3677118	633.424	ng/ml
31) Aroclor 1248 (5)	6.899	3772790	612.535	ng/ml
32) Aroclor 1248 (6)	7.375	2051697	600.365	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 13:18
 Operator : MJB / KAK
 Sample : 0B18016-CALB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 08:58:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 08:58:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

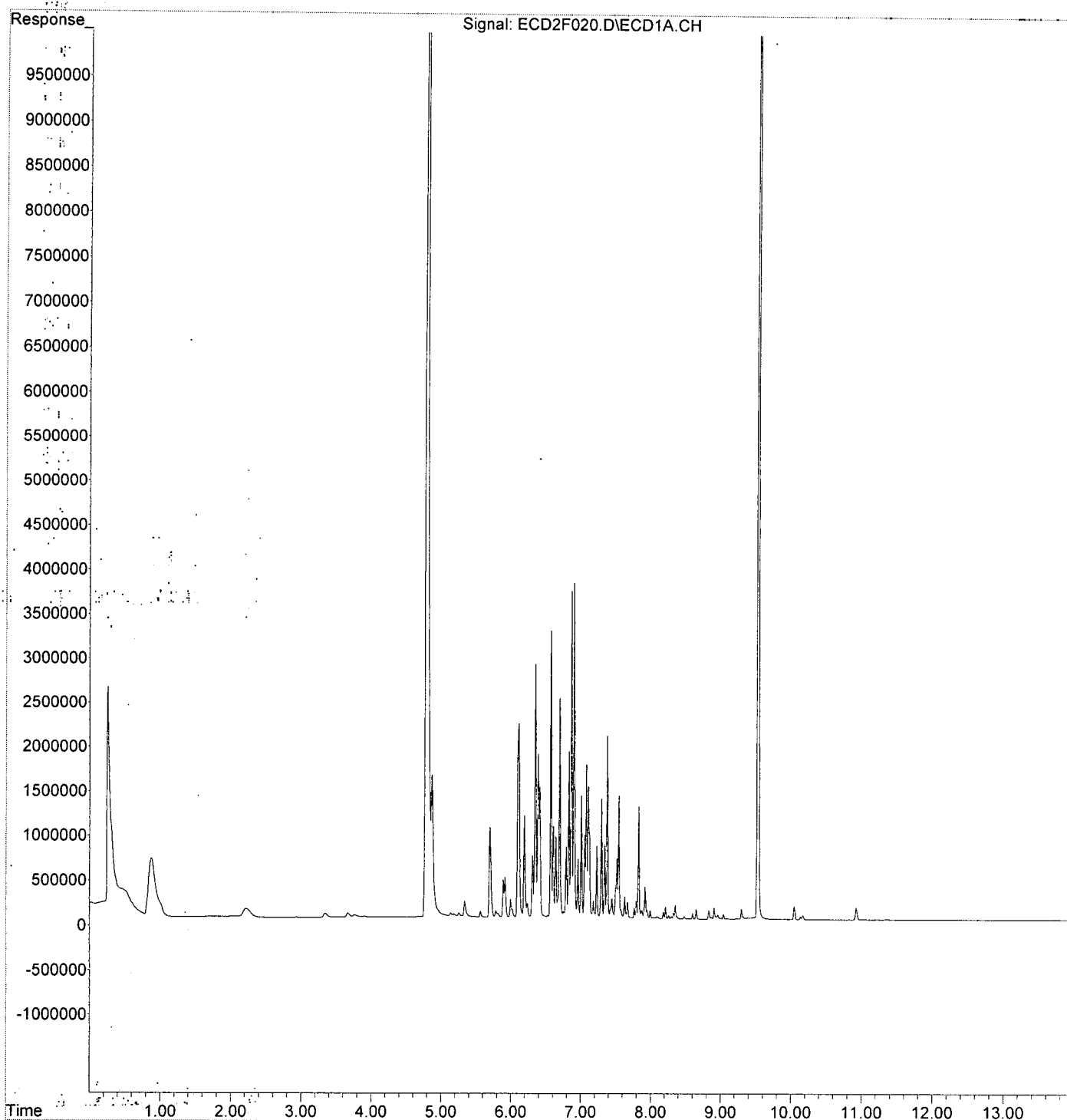
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:18
Operator : MJB / KAK
Sample : 0B18016-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:58:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:58:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\0B18016\
 Data File: ECD2F021.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 13:36
 Operator: MJB / KAK
 Sample: 0B18016-CALC
 Misc:
 ALS Vial: 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:00:39 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:00:34 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.893	4430248	738.606	ng/ml
35) Aroclor 1254 (2)	7.004	5541078	760.347	ng/ml
36) Aroclor 1254 (3)	7.375	8319621	742.162	ng/ml
37) Aroclor 1254 (4)	7.541	5313910	745.286	ng/ml
38) Aroclor 1254 (5)	7.921	5792036	756.240	ng/ml
39) Aroclor 1254 (6)	8.212	1865386	747.983	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 2/19/20

Data Path : K:\DATA\0B18016\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 13:36
 Operator : MJB / KAK
 Sample : 0B18016-CALC
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:00:39 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:00:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

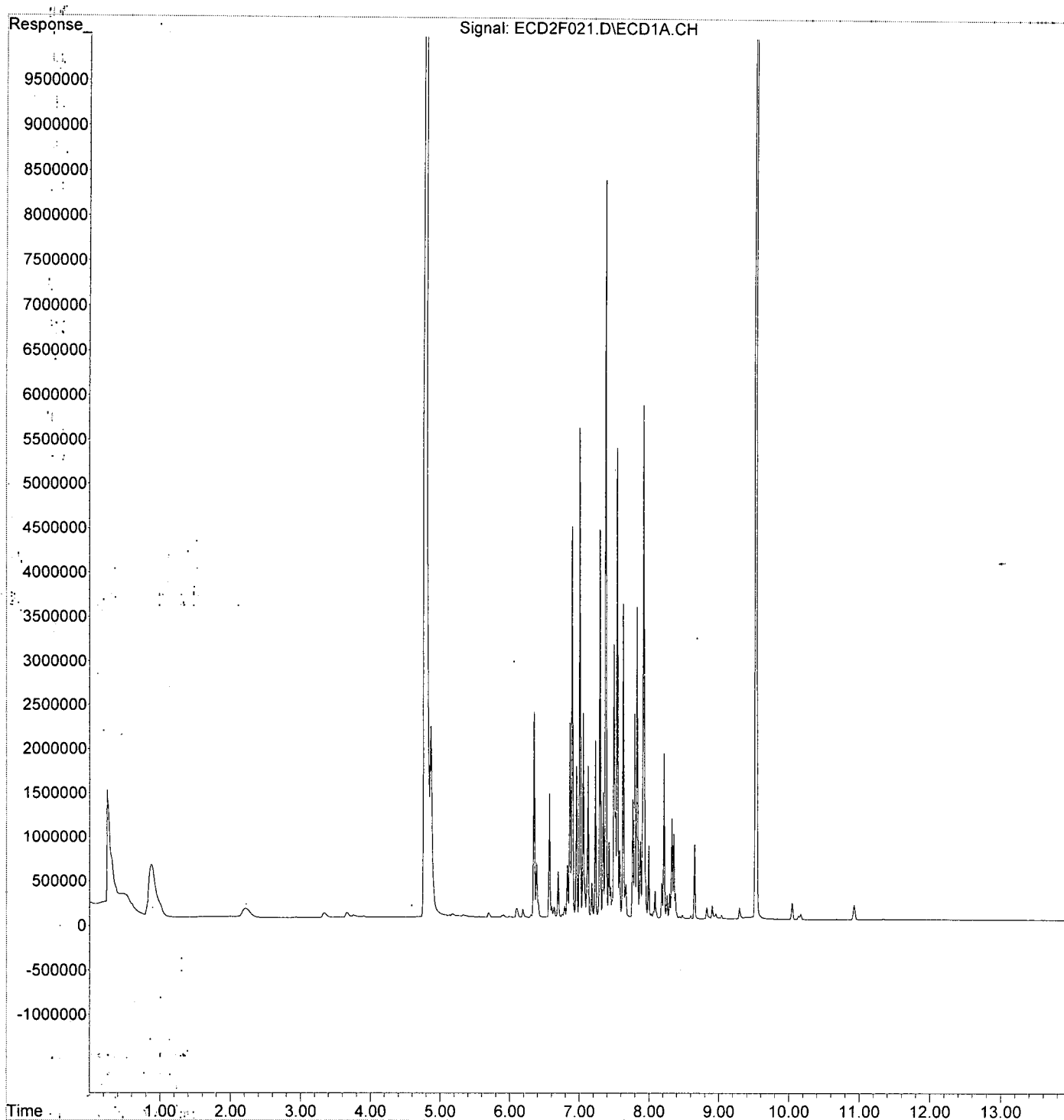
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:36
Operator : MJB / KAK
Sample : 0B18016-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:00:39 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\OB18016\
 Data File : FECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 13:53
 Operator : MJB / KAK
 Sample : OB18016-CALD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:02:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:02:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 2/19/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 13:53
 Operator : MJB / KAK
 Sample : 0B18016-CALD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:02:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:02:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.627	5372243	667.657 ng/ml
49) Aroclor 1262 (2)	7.950	7660611	682.455 ng/ml
50) Aroclor 1262 (3)	8.182	6382858	657.692 ng/ml
51) Aroclor 1262 (4)	8.353	14151592	684.972 ng/ml
52) Aroclor 1262 (5)	8.651	9036851	690.766 ng/ml
53) Aroclor 1262 (6)	9.040	4527383	678.093 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

Handwritten signature and date: 2/19/20

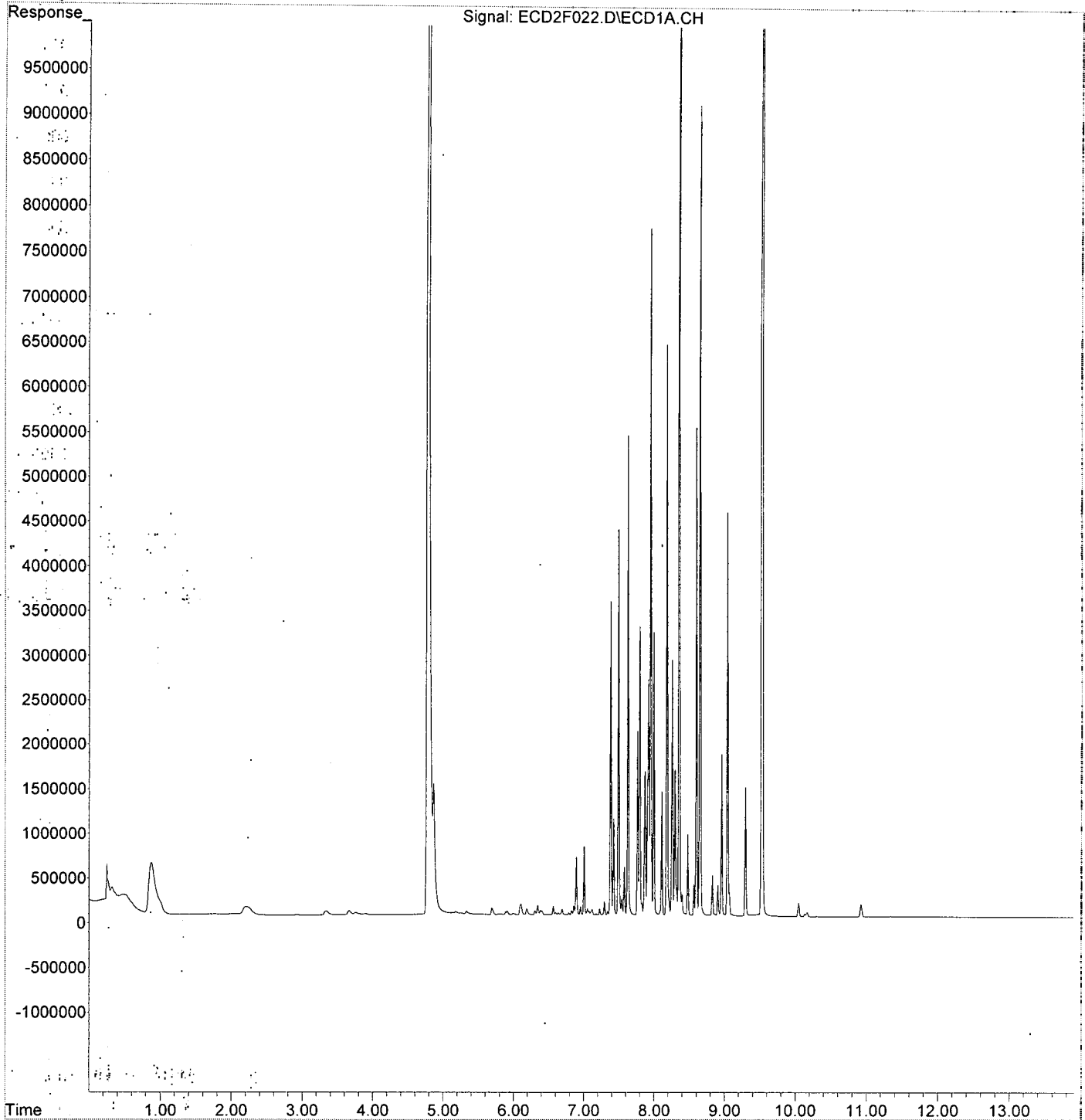
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:53
Operator : MJB / KAK
Sample : 0B18016-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:02:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:02:17 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: K:\DATA\OB18016\
 Data File: FECD2F023.D
 Signal(s): ECD1A.CH
 Acq On: 18 Feb 2020 14:11
 Operator: MJB / KAK
 Sample: OB18016-CALE
 Misc:
 ALS Vial: 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:04:18 2020
 Quant Method: K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title: PCB Data Analysis
 QLast Update: Wed Feb 19 09:04:12 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 2/19/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10) Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 18 Feb 2020 14:11
 Operator : MJB / KAK
 Sample : 0B18016-CALE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Feb 19 09:04:18 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Feb 19 09:04:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.174	3213099	629.497	ng/ml
56) Aroclor 1268 (2)	8.599	14841314	605.134	ng/ml
57) Aroclor 1268 (3)	8.647	12489121	611.786	ng/ml
58) Aroclor 1268 (4)	8.829	11531463	602.059	ng/ml
59) Aroclor 1268 (5)	9.040	4605021	594.216	ng/ml
60) Aroclor 1268 (6)	9.296	32430266	620.277	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

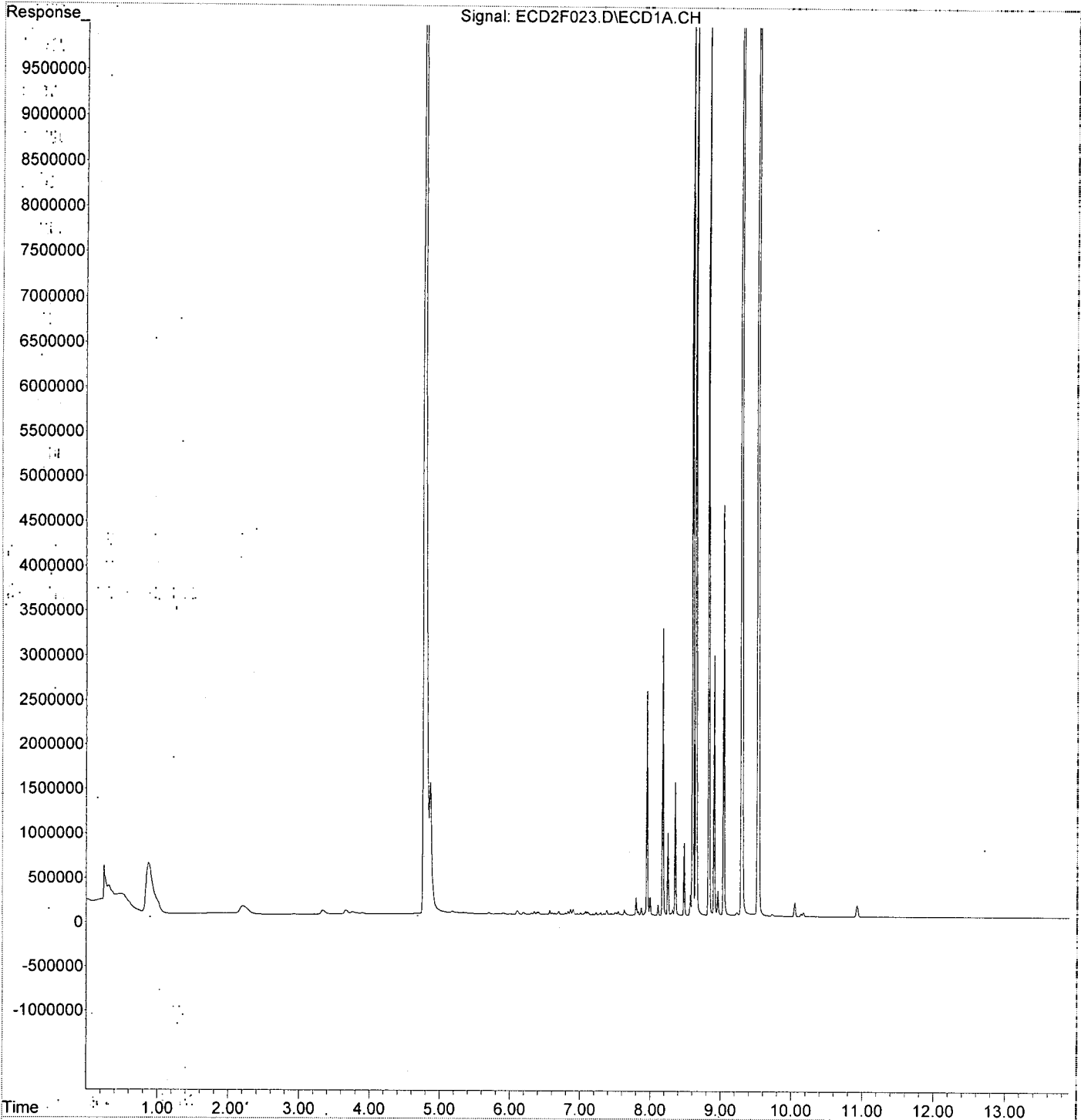
Handwritten signature and date: 2/19/20

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0B18016\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:11
Operator : MJB / KAK
Sample : 0B18016-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:04:18 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:04:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0020823

Sequence 0B28031 (A0B0681-01RE1,02RE1,03RE1,04RE1,05RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0020823 (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
	0020823-BLK1	QC	02/26/20 10:14	11	10				100					
	0020823-BS1	QC	02/26/20 10:14	10	10	A20A310		100	100					
	A0B0681-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.73	10				100	PDI-022SC-A-03-04-191016	MDL. Use Custom Spike.			
	A0B0681-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.3	10				100	PDI-022SC-A-04-05-191016	MDL. Use Custom Spike.			
	0020823-DUP1	QC	02/26/20 10:14	10.31	10		A0B0681-02RE1		100					
	A0B0681-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.2	10				100	PDI-022SC-A-05-06-191016	MDL. Use Custom Spike.			
	A0B0681-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.58	10				100	PDI-022SC-A-06-07-191016	MDL. Use Custom Spike.			
	0020823-MS1	QC	02/26/20 10:14	10.67	10	A20A310	A0B0681-04RE1	100	100					
	0020823-MSD1	QC	02/26/20 10:14	10.48	10	A20A310	A0B0681-04RE1	100	100					
	A0B0681-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.8	10				100	PDI-059SC-A-11-12-191016	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
A19I263	03/18/20	DCM CHEM PROD. 194934	A20A310	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20B060	07/17/20	8082 PCB Surrogate Spike
A20A032	06/30/23	n-Hexane Lot# 197051						

From 0020796 on 2/26/2020 by ajj

Prepared By: _____ Date: _____

MB
Reviewed By: _____ Date: 3/2/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0020823 (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	
	0020823-BLK1	QC	02/26/20 10:14	11	5.10				100							
	0020823-BSI	QC	02/26/20 10:14	10	5.10	A20A310		100	100							
	A0B0681-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.73	5.10				100	PDI-022SC-A-03-04-191016	MDL Use Custom Spike.	2ml				
	A0B0681-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.3	5.10				100	PDI-022SC-A-04-05-191016	MDL Use Custom Spike.	2ml				
	0020823-DUP1	QC	02/26/20 10:14	10.31	5.10		A0B0681-02RE1		100							
	A0B0681-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.2	5.10				100	PDI-022SC-A-05-06-191016	MDL Use Custom Spike.	2ml				
	A0B0681-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.58	5.10				100	PDI-022SC-A-06-07-191016	MDL Use Custom Spike.	2ml				
	0020823-MS1	QC	02/26/20 10:14	10.67	5.10	A20A310	A0B0681-04RE1	100	100							
	0020823-MSD1	QC	02/26/20 10:14	10.48	5.10	A20A310	A0B0681-04RE1	100	100							
	A0B0681-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 15:21	10.8	5.10				100	PDI-059SC-A-11-12-191016	MDL Use Custom Spike.	2ml				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A191263	03/18/20	DCM CHEM PROD. 194934
A20A032	06/30/23	n-Hexane Lot# 197051

Analyte Spike(s)

Std ID	Exp. Date	Description
A20A310	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20B060	07/17/20	8082 PCB Surrogate Spike

From 0020796 on 2/26/2020 by ajj

= stirring on turbovap
 (P) = precipitate formed during solvent exchange

Prepared By: AKH Date: 2-26-20
AKH Date: 02/28/20
 Reviewed By: cas Date: 02/28/2020



Apex Laboratories
PREPARATION BENCH SHEET
 BATCH #: 0020796 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
1	0020796-BLK1	QC	02/26/20 10:14	10.11	5				100					
2	0020796-BS1	QC	02/26/20 10:14	10	5	A20A310		100	100					
3	A0B0681-01	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 10:14	10.73	5				100	PDI-022SC-A-03-04-191016	MDL. Use Custom Spike. soil			
4	A0B0681-02	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 10:14	10.30	5				100	PDI-022SC-A-04-05-191016	MDL. Use Custom Spike. soil			
5	0020796-DUP1	QC	02/26/20 10:14	10.31	5		A0B0681-02		100		soil			
6	A0B0681-03	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 10:14	10.20	5				100	PDI-022SC-A-05-06-191016	MDL. Use Custom Spike. soil			
7	A0B0681-04	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 10:14	10.58	5				100	PDI-022SC-A-06-07-191016	MDL. Use Custom Spike. soil			
8	0020796-MS1	QC	02/26/20 10:14	10.67	5	A20A310	A0B0681-04	100	100		soil			
9	0020796-MSD1	QC	02/26/20 10:15	10.42	5	A20A310	A0B0681-04	100	100		soil			
10	A0B0681-05	A 8081B 2,4+4,4-DDx Only (+Add)	02/26/20 10:14	10.80	5				100	PDI-059SC-A-11-12-191016	MDL. Use Custom Spike. soil color			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19I263	03/18/20	DCM CHEM PROD. 194934
A20A032	06/30/23	n-Hexane Lot# 197051
A20A282	07/19/21	Sodium Sulfate Lot # 194865

Analyte Spike(s)

Std ID	Exp. Date	Description
A20A310	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike

CAH

Surrogate(s)

Std ID	Exp. Date	Description
A20B060	07/17/20	8082 PCB Surrogate Spike

CAH

Method 3546 digestion time and temperature achieved.

Initial: CAH

Witness: JAG 2/26/2020

CAH
Prepared By:
JAG

02/26/20
Date
2/26/2020

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0B28031**

Instrument: **DUALECD5**

Date: **02/28/20 11:11**

Calibration: **A0C0203**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0B28031-BKD1	Sediment	QC	QC				
2	0B28031-CCV1	Sediment	QC	QC				A20A019
3	0B28031-CCV2	Sediment	QC	QC				A19K133
4	0B28031-CCB1	Sediment	QC	QC				A19J408
5	0020823-BLK1	Sediment	QC	QC				A20B383
6	0020823-BS1	Sediment	QC	QC		0020823		
7	A0B0681-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	02/28/20	0020823		
8	A0B0681-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	02/28/20	0020823		
9	0020823-MS1	Sediment	QC	QC		0020823		
10	0020823-MSD1	Sediment	QC	QC		0020823		
11	0B28031-CCV3	Sediment	QC	QC				A19K134
12	0B28031-CCV4	Sediment	QC	QC				A19J409
13	0B28031-CCB2	Sediment	QC	QC				A20B383
14	A0B0681-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	02/28/20	0020823		
15	0B28031-IBL1	Sediment	QC	QC				
16	0B28031-IBL2	Sediment	QC	QC				
17	0B28031-IBL3	Sediment	QC	QC				
18	A0B0681-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	02/28/20	0020823		
19	0B28031-IBL4	Sediment	QC	QC				
20	0B28031-IBL5	Sediment	QC	QC				
21	0B28031-IBL6	Sediment	QC	QC				
22	0020823-DUP1	Sediment	QC	QC		0020823		
23	0B28031-IBL7	Sediment	QC	QC				
24	0B28031-IBL8	Sediment	QC	QC				
25	0B28031-IBL9	Sediment	QC	QC				
26	A0B0681-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	02/28/20	0020823		
27	0B28031-IBLA	Sediment	QC	QC				
28	0B28031-IBLB	Sediment	QC	QC				
29	0B28031-IBLC	Sediment	QC	QC				
30	0B28031-CCV5	Sediment	QC	QC				A19K133
31	0B28031-CCV6	Sediment	QC	QC				A19J408
32	0B28031-CCB3	Sediment	QC	QC				A20B383
33	0B28031-IBLD	Sediment	QC	QC				

Data Entered By: MJB 3/2/20

Comments:

Data Reviewed By: MJB 3/3/20

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0B28031 BKD1
Data File: ECD5-02282003.D

First Column Area Counts		Percent Breakdown	
DDE	973671		
DDD	6851061		
DDT	173517454	4.31	PASS
Endrin	92972236	14.52	PASS
Endrin Aldehyde	6821573		
Endrin Ketone	8974884		

Second Column Area Counts		Percent Breakdown	
DDE	1953282		
DDD	14793284		
DDT	260004573	6.05	PASS
Endrin	139891357	13.90	PASS
Endrin Aldehyde	8675779		
Endrin Ketone	13906017		

Breakdown must be less than 15% to accept sample data.

MJB
2/2/20

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 12:36
 Operator : MJB
 Sample : 0B28031-BKD1
 Misc : A20A019
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 28 12:51:27 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200225.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

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.649	973671	NoCal	ng/mL
2) Endrin	8.027	92972236	NoCal	ng/mL
3) 4,4'-DDD	8.071	6851061	NoCal	ng/mL
4) 4,4'-DDT	8.269	173517454	NoCal	ng/mL
5) Endrin Aldehyde	8.474	6821573	NoCal	ng/mL
6) Endrin Ketone	8.971	8974884	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.414	1953282	NoCal	ng/mL
9) Endrin [2C]	8.790	139891357	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.830	14793284	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.173	8675779	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.058	260004573	NoCal	ng/mL
13) Endrin Ketone [2C]	9.766	13906017	NoCal	ng/mL

(f)=RT Delta > 1/2 Window (m)=manual int.

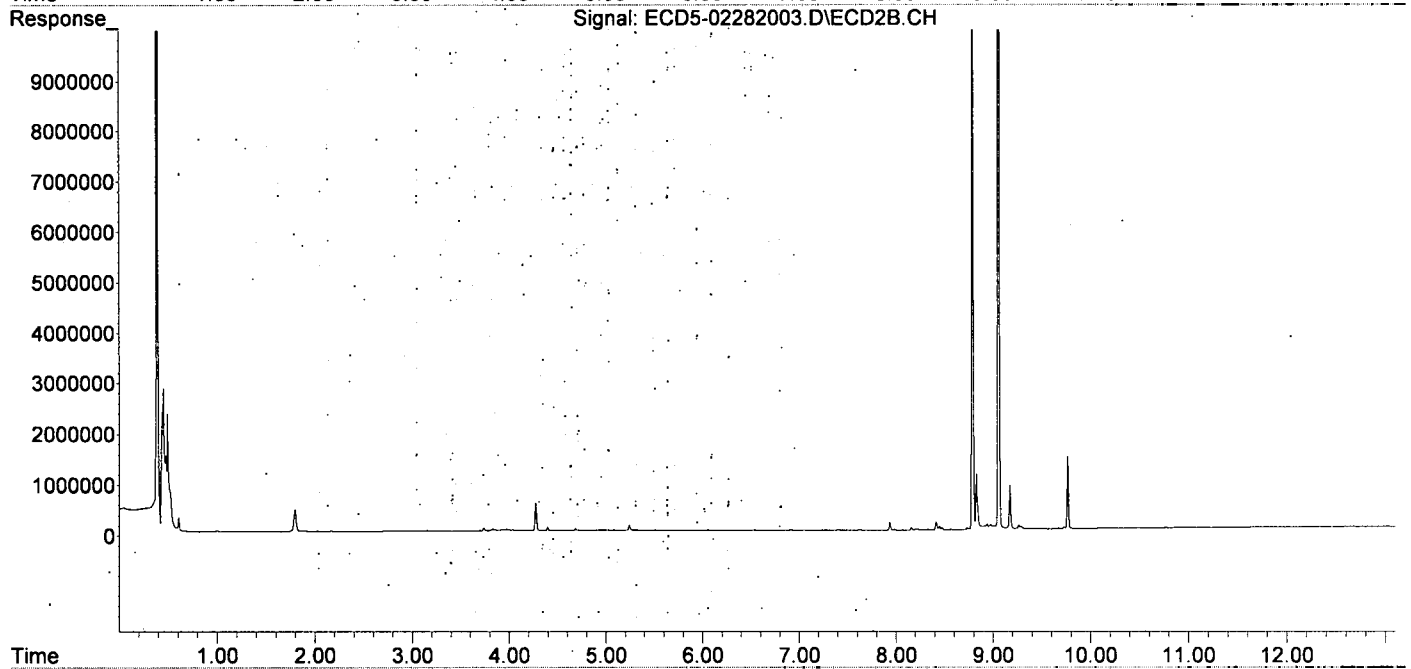
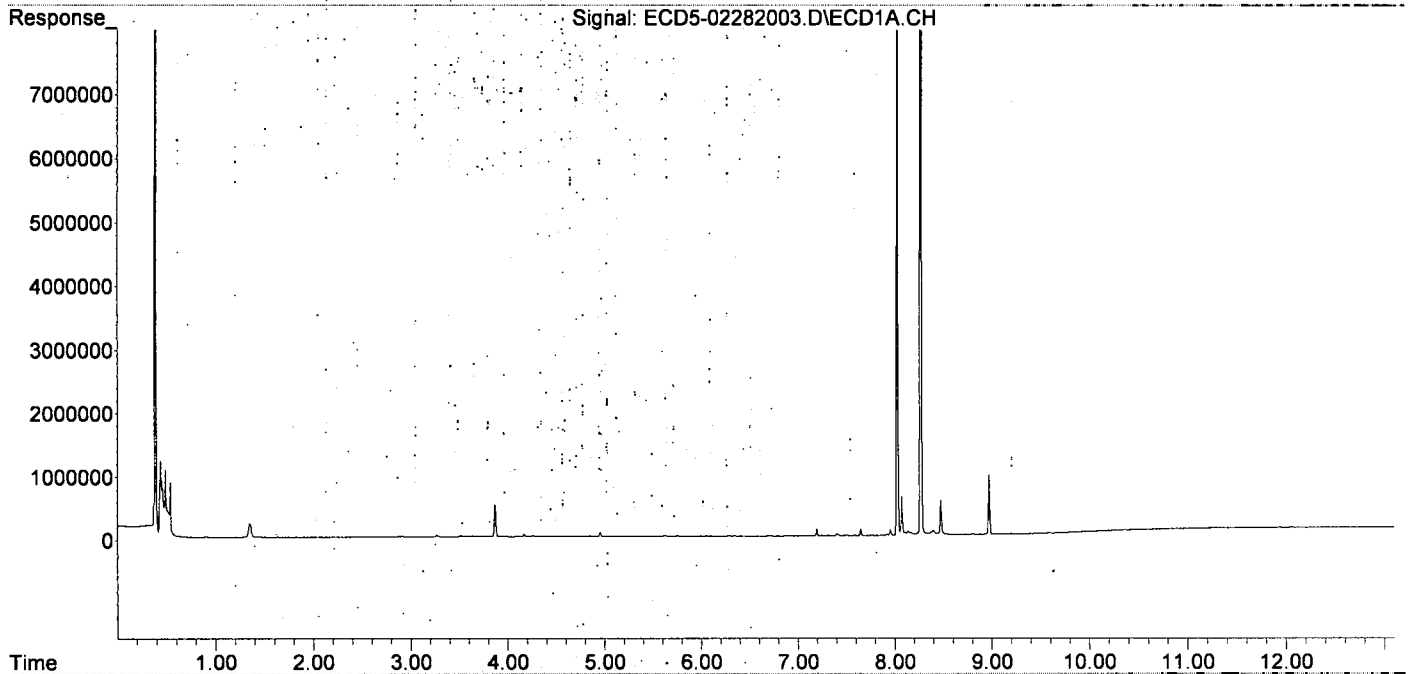
MP
3/2/20

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 12:36
Operator : MJB
Sample : 0B28031-BKD1
Misc : A20A019
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 28 12:51:27 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200225.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

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 12:54
 Operator : MJB
 Sample : 0B28031-CCV1
 Misc : A19K133, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:27:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

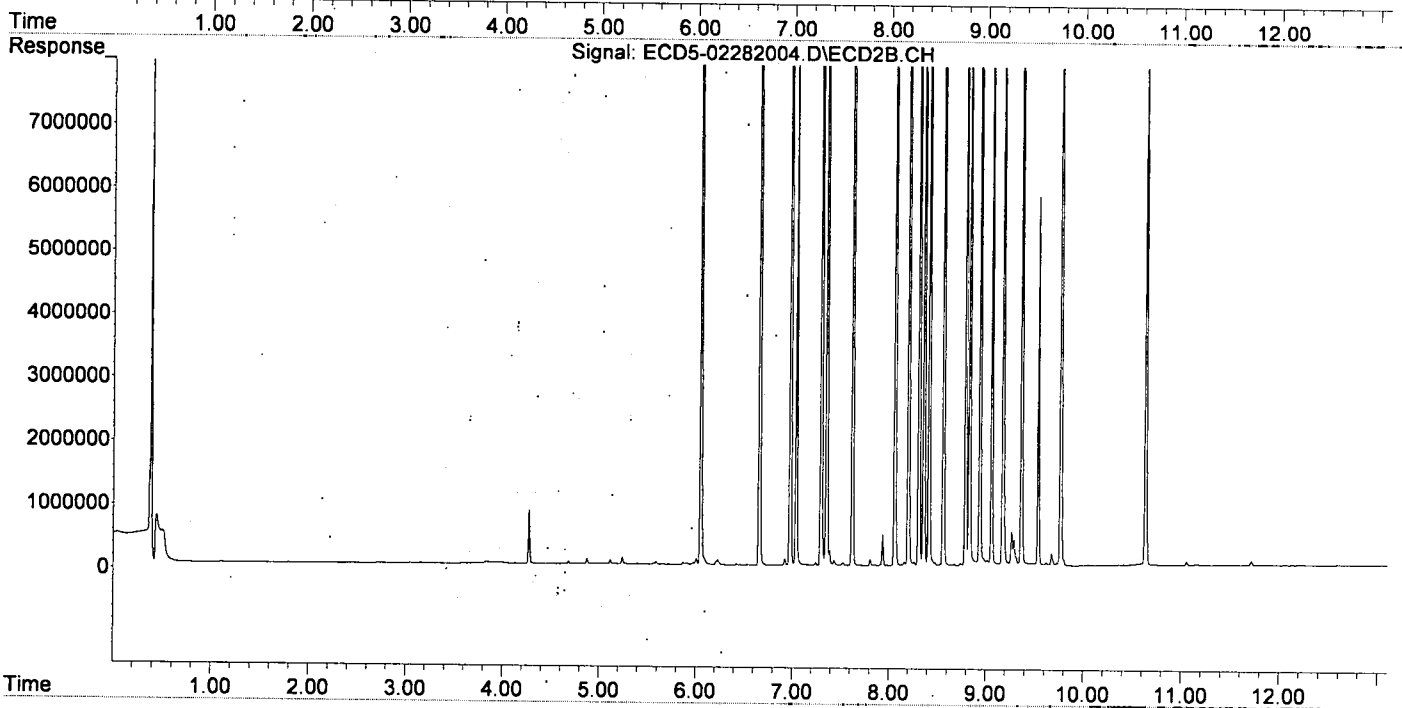
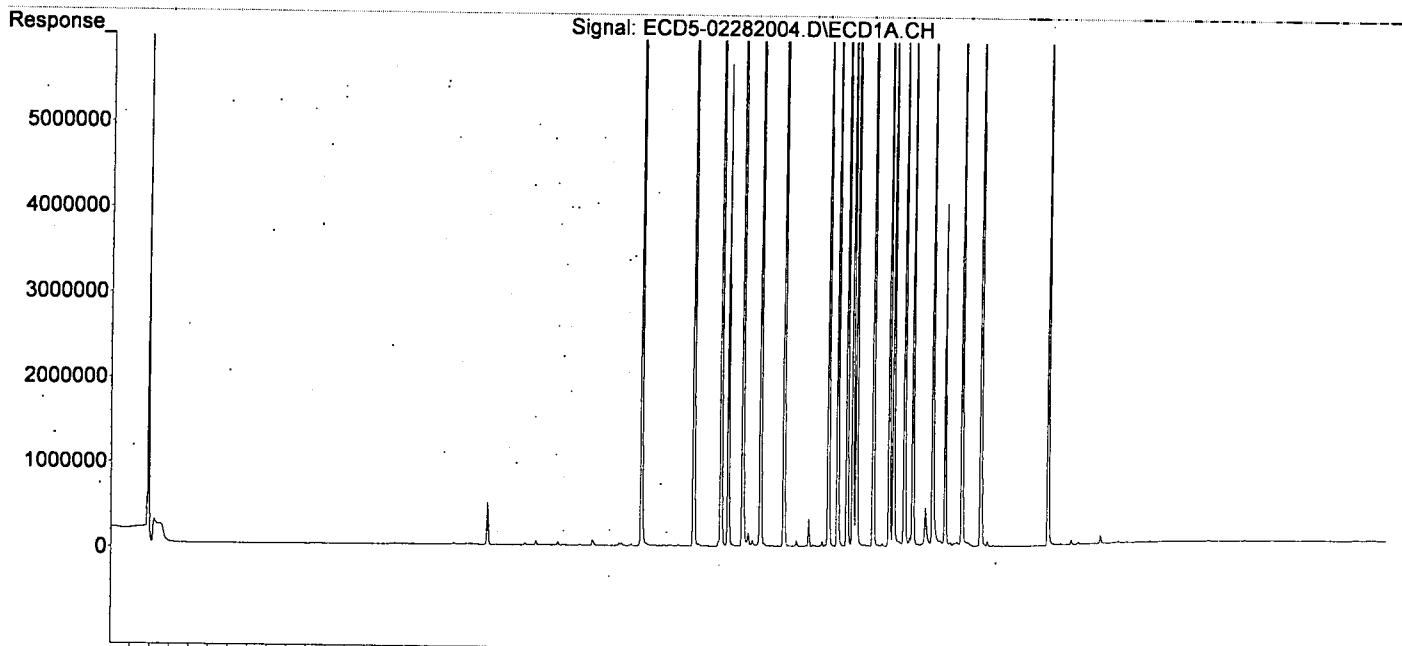
MJB
3/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.459	6.049	10969711	17947049	51.040	52.110
22) S DCBP (S)	9.661	10.635	8605521	9730438	54.383	50.170
Target Compounds						
2) a-BHC	5.999	6.657	15173201	25670115	53.090	54.630
3) g-BHC	6.282	6.976	13462641	22418344	53.336	54.859
4) b-BHC	6.357	7.038	5646366	9227700	52.837	53.780
5) Heptachlor	6.692	7.353	12719826	21025746	54.561	56.470
6) d-BHC	6.507	7.295	13151981	21921769	52.301	56.241
7) Aldrin	6.934	7.619	12994873	20953930	54.082	55.232
8) Heptachlo...	7.396	8.058	11803523	18461838	52.434	53.513
9) trans-Chl...	7.491	8.198	11883500	19072881	52.225	53.961
10) cis-Chlor...	7.588	8.306	11542569	17928867	52.232	53.768
11) Endosulfa...	7.687	8.357	10770586	16681703	52.295	53.749
12) 4,4'-DDE	7.646	8.411	11971182	19070581	53.104	54.227
13) Dieldrin	7.859	8.559	12248301	19349775	53.144	55.862
14) Endrin	8.024	8.788	9387378	13866697	56.637	57.928
15) 4,4'-DDD	8.068	8.827	9909268	15538364	53.180	55.055
16) Endosulfa...	8.181	8.934	9272578	14539144	54.750	56.310
17) 4,4'-DDT	8.267	9.056	8797310	12635919	58.766	59.586
18) Endrin Al...	8.472	9.172	7940760	12233632	52.653	53.882
19) Endosulfa...	8.775	9.362	8807818	13866046	55.593	59.702
20) Methoxychlor	8.601	9.534	4007000	5801018	54.451	56.848
21) Endrin Ke...	8.969	9.765	10243992	15214903	52.993	56.645
23) Hexachlor...	3.285f	0.000	5818	0	0.026	N.D. #
24) Hexachlor...	5.841	6.533	18466	11384	0.082	0.031 #
25) Oxychlorane	7.331	7.981	59101	12217	0.295	0.040 #
26) 2,4'-DDE	7.396	8.198	11803523	19072881	77.380	81.027
27) trans-Non...	7.588	8.260	11542569	60136	51.531	0.177 #
28) 2,4'-DDD	7.771	8.559	20808	19349775	0.152	92.623 #
29) 2,4'-DDT	7.952	8.788	35706	13866697	0.276	70.642 #
30) cis-Nonac...	8.068	8.827	9909268	15538364	39.587	41.375
31) Mirex	8.724	9.765	54193	15214903	0.158	74.319 #
32) Chlordane...	7.491	8.198	11883500	19072881	478.931	449.417
33) Chlordane...	7.588	8.306	11542569	17928867	419.148	510.540
34) Chlordane...	0.000	8.934f	0	14539144	N.D.	1350.380 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.588f	8.559f	11542569	19349775	10884.891	6843.238 #
37) Toxaphene...	7.859	0.000	12248301	0	6218.687	N.D. #
38) Toxaphene...	8.181	8.934	9272578	14539144	2307.165	2532.230
39) Toxaphene...	8.397	9.013f	451875	87226	115.651	9.432 #
40) Toxaphene...	8.656	9.172	43712	12233632	14.490	2411.912 #
41) Toxaphene...	8.724	9.534	54193	5801018	13.741	1086.044 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 12:54
Operator : MJB
Sample : 0B28031-CCV1
Misc : A19K133, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:27:46 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 13:11
 Operator : MJB
 Sample : 0B28031-CCV2
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:27:51 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

*MJB
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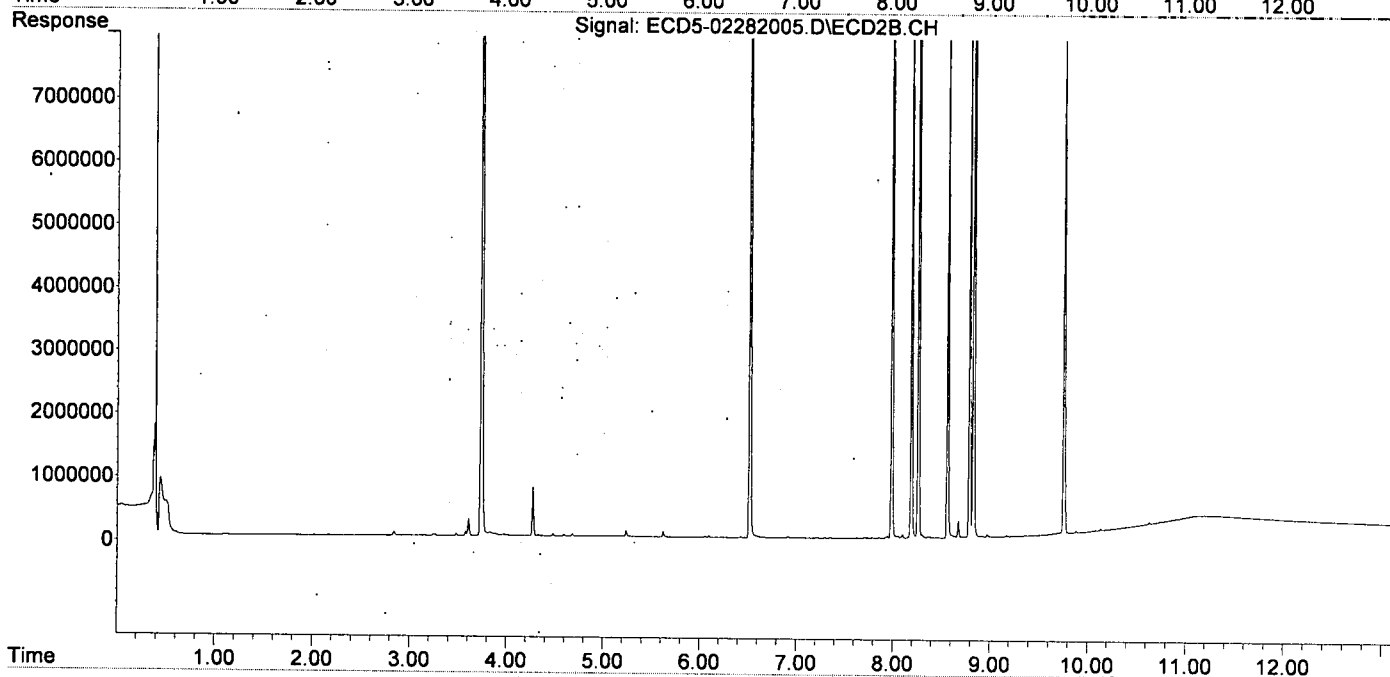
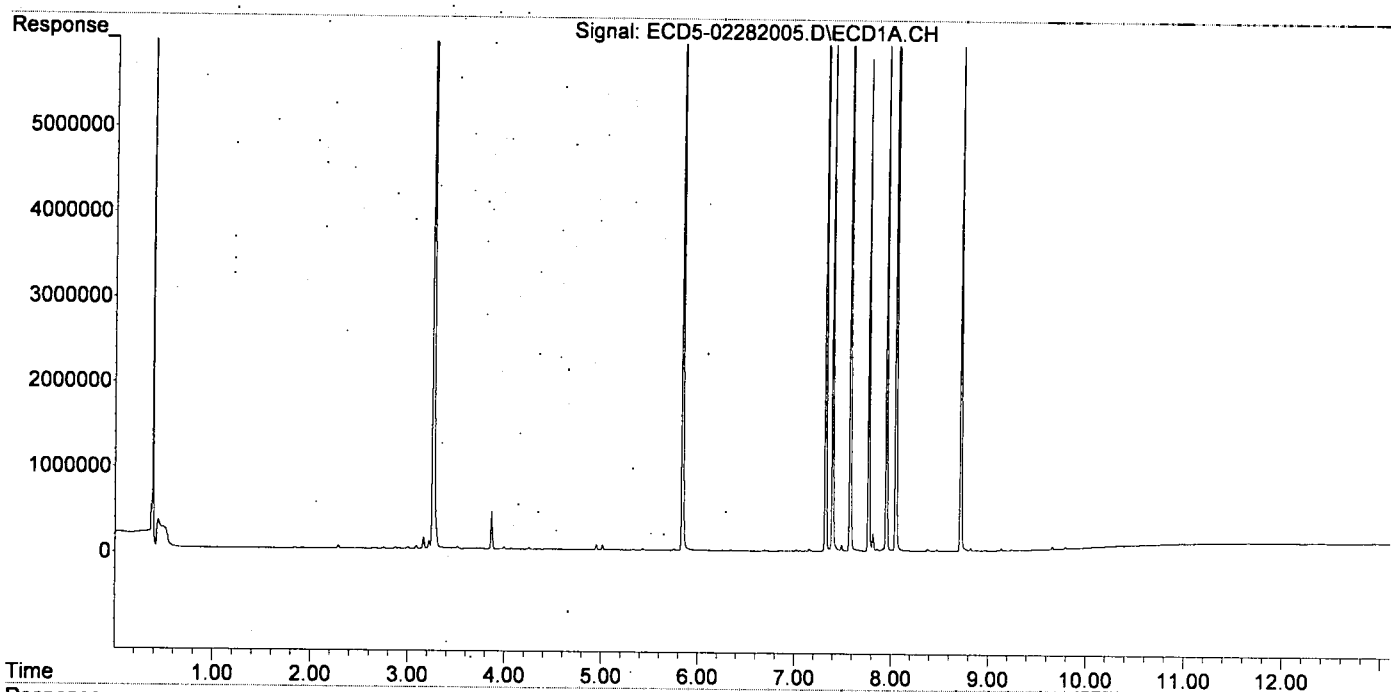
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.430f	6.054	20880	16237	0.097	0.047	#
22) S DCBP (S)	9.660	0.000	37512	0	BelowCal	N.D.	
Target Compounds							
2) a-BHC	5.992	0.000	6346	0	0.022	N.D.	#
3) g-BHC	6.255f	0.000	3537	0	0.014	N.D.	#
4) b-BHC	6.342	0.000	9794	0	13405.808	N.D.	#
5) Heptachlor	6.692	7.351	10274	15988	0.044	0.043	
6) d-BHC	6.507	7.295	4785	7199	0.019	BelowCal	#
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8) Heptachlo...	7.395	8.056	6639002	38016	29.492	0.110	#
9) trans-Chl...	7.490	8.188	72126	10601572	0.317	29.994	#
10) cis-Chlor...	7.577	8.303	9675387	51862	43.783	0.156	#
11) Endosulfa...	7.647f	8.364	18063	18066	0.088	0.058	#
12) 4,4'-DDE	7.647	8.383f	18063	17117	0.080	0.084	
13) Dieldrin	7.859	8.563	26489	9234429	0.115	26.659	#
14) Endrin	8.049f	8.788	11015014	9626937	66.457	41.241	#
15) 4,4'-DDD	8.049	8.829	11015014	17086220	59.114	60.154	
16) Endosulfa...	8.164	8.914f	10409	16822	BelowCal	BelowCal	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.474	9.171	16569	20499	BelowCal	BelowCal	
19) Endosulfa...	0.000	9.362	0	13295	N.D.	BelowCal	
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.969	9.758	5822	9271725	BelowCal	35.419	
23) Hexachlor...	3.261	3.736	10242223	20879880	46.098	47.980	
24) Hexachlor...	5.840	6.516	9657309	16136069	42.921	44.146	
25) Oxychlorane	7.323	7.986	8610180	13792497	42.990	44.889	
26) 2,4'-DDE	7.395	8.188	6639002	10601572	43.523	45.039	
27) trans-Non...	7.577	8.260	9675387	15391452	43.195	45.231	
28) 2,4'-DDD	7.768	8.563	5757744	9234429	42.022	44.203	
29) 2,4'-DDT	7.951	8.788	6273205	9626937	48.513	51.241	
30) cis-Nonac...	8.049	8.829	11015014	17086220	44.005	45.497	
31) Mirex	8.719	9.758	6457708	9271725	45.149	46.385	
32) Chlordane...	7.490	8.188	72126	10601572	2.907	249.806	#
33) Chlordane...	7.577	8.303	9675387	51862	351.344	1.477	#
34) Chlordane...	8.164f	8.973	10409	41046	1.389	3.812	#
35) Chlordane...	3.749	3.736	12790	20879880	NoCal	NoCal	
36) Toxaphene...	7.577	8.563f	9675387	9234429	9124.097	3265.846	#
37) Toxaphene...	7.859	8.914f	26489	16822	13.449	4.849	#
38) Toxaphene...	8.164	8.914	10409	16822	2.590	2.930	
39) Toxaphene...	8.379f	8.973	26262	41046	6.721	4.438	#
40) Toxaphene...	0.000	9.171	0	20499	N.D.	4.041	#
41) Toxaphene...	8.719	0.000	6457708	0	1637.465	N.D.	#
42) Toxaphene...	3.749	3.736	12790	20879880	NoCal	NoCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 13:11
Operator : MJB
Sample : 0B28031-CCV2
Misc : A19J408, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:27:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 13:28
 Operator : MJB
 Sample : 0B28031-CCB1
 Misc : A20B383
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:27:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
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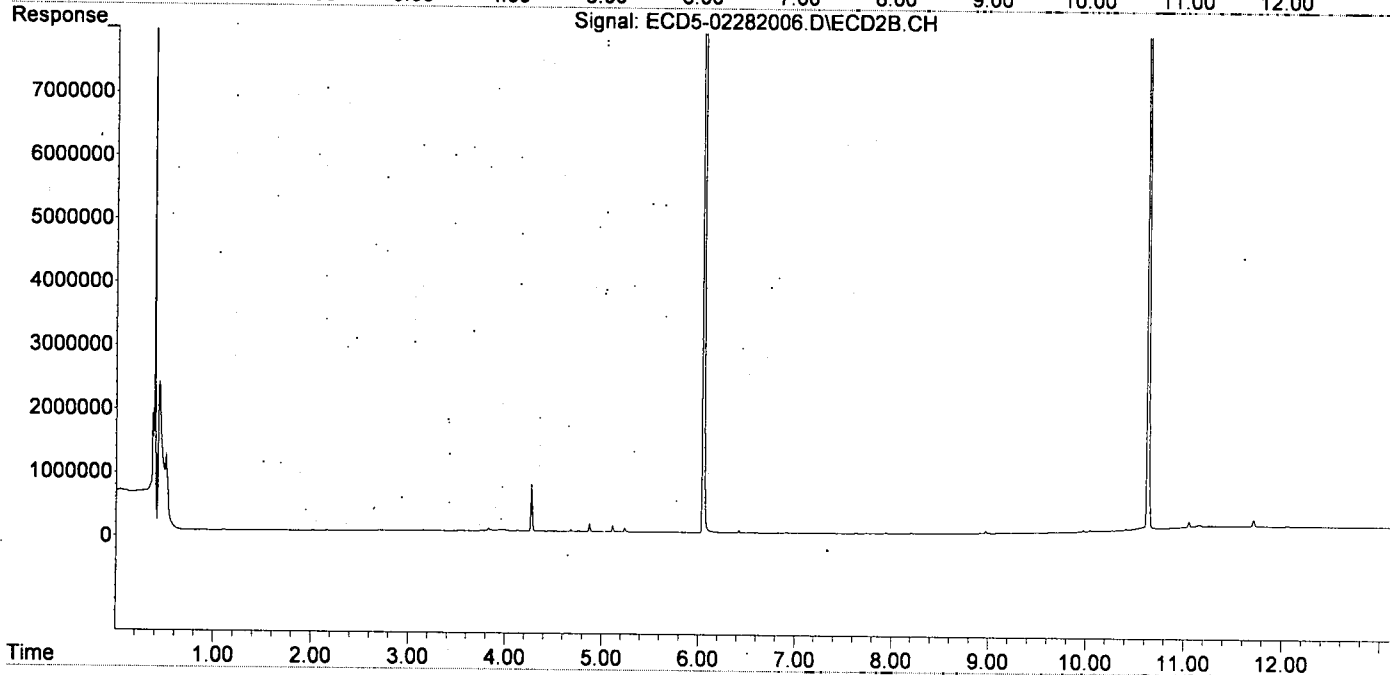
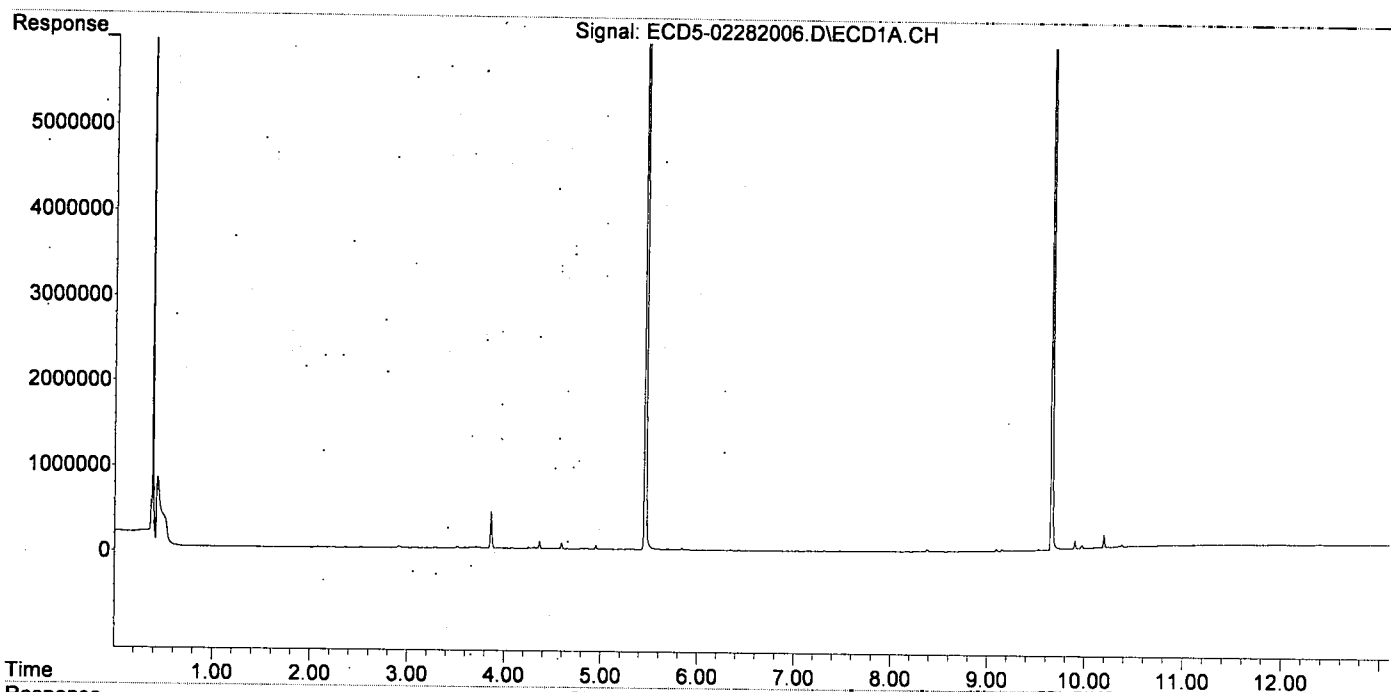
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.458	6.048	19303780	33546836	89.816	97.404
22) S DCBP (S)	9.660	10.634	15446384	18564849	97.440	95.720
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.344	0.000	9029	0	13405.815	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.629	0	9812	N.D.	0.026 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.475	8.208	6318	7253	0.028	0.021 #
10) cis-Chlor...	7.582	0.000	3954	0	0.018	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.826f	0	1919	N.D.	BelowCal
15) 4,4'-DDD	0.000	8.826	0	1919	N.D.	0.003 #
16) Endosulfa...	8.164	8.913f	6690	11312	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.473	9.171	12589	9400	BelowCal	BelowCal
19) Endosulfa...	8.775	9.361	8018	6452	BelowCal	BelowCal
20) Methoxychlor	8.608	0.000	6933	0	BelowCal	N.D.
21) Endrin Ke...	8.970	9.763	4233	4555	BelowCal	BelowCal
23) Hexachlor...	3.284f	3.751	8183	12885	0.037	0.030
24) Hexachlor...	5.840	6.533	27232	7374	0.121	0.020 #
25) Oxychlorane	7.316	0.000	11050	0	0.055	N.D. #
26) 2,4'-DDE	0.000	8.208	0	7253	N.D.	0.031 #
27) trans-Non...	7.582	0.000	3954	0	0.018	N.D. #
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	8.826f	0	1919	N.D.	0.044 #
30) cis-Nonac...	0.000	8.826	0	1919	N.D.	0.005 #
31) Mirex	8.717	9.763	7453	4555	BelowCal	BelowCal
32) Chlordane...	7.475	8.208	6318	7253	0.255	0.171 #
33) Chlordane...	7.582	0.000	3954	0	0.144	N.D. #
34) Chlordane...	8.164f	8.972	6690	41035	0.893	3.811 #
35) Chlordane...	0.000	3.751	0	12885	N.D.	NoCal
36) Toxaphene...	7.582	0.000	3954	0	3.729	N.D. #
37) Toxaphene...	0.000	8.913f	0	11312	N.D.	3.261 #
38) Toxaphene...	8.164	8.913	6690	11312	1.665	1.970
39) Toxaphene...	8.378f	8.972	29561	41035	7.566	4.437 #
40) Toxaphene...	8.608f	9.171	6933	9400	2.298	1.853
41) Toxaphene...	8.717	0.000	7453	0	1.890	N.D. #
42) Toxaphene...	3.717f	3.751	15000	12885	NoCal	NoCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 13:28
Operator : MJB
Sample : 0B28031-CCB1
Misc : A20B383
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:27:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 13:45
 Operator : MJB
 Sample : 0020823-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: Mar 02 15:27:59 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

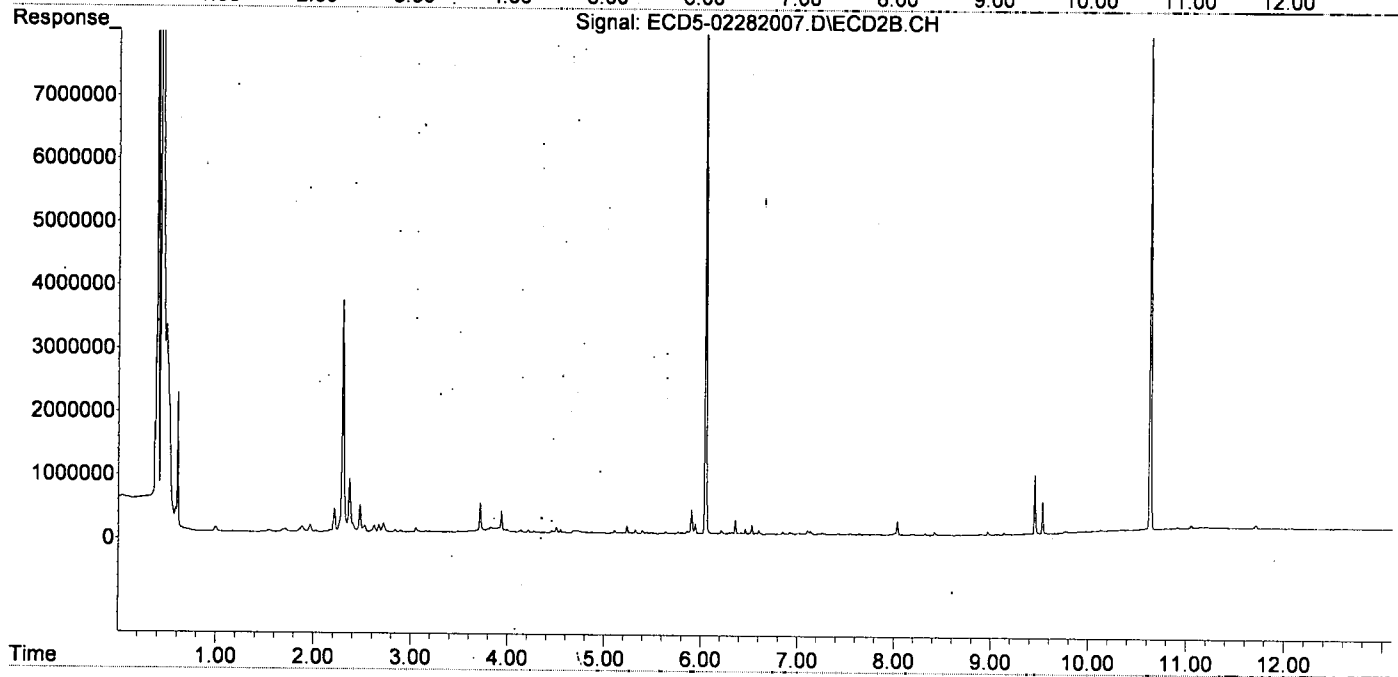
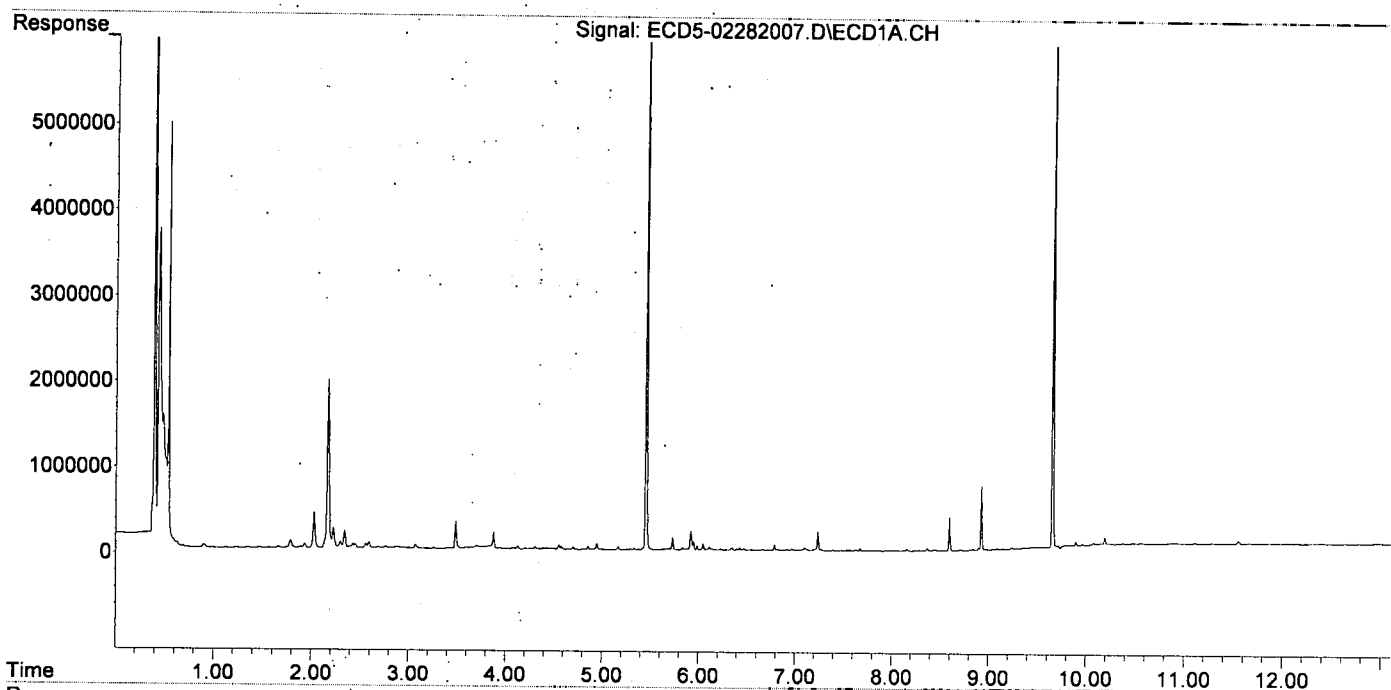
MJB
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Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.047	6988927	11606205	32.518	33.699
22) S DCBP (S)	9.658	10.633	7160646	7945319	45.247	40.966
Target Compounds						
2) a-BHC	5.986	6.622f	53057	17595	0.186	0.063 #
3) g-BHC	6.286	0.000	7831	0	0.031	N.D. #
4) b-BHC	6.348	7.025	32680	22981	0.113	BelowCal #
5) Heptachlor	6.702	0.000	6868	0	0.029	N.D. #
6) d-BHC	6.523	7.262f	7977	26490	0.032	BelowCal #
7) Aldrin	6.920	7.628	15529	12724	0.065	0.034 #
8) Heptachlo...	7.393	8.036f	10967	227191	0.049	0.659 #
9) trans-Chl...	7.486	8.187	6048	16659	0.027	0.047 #
10) cis-Chlor...	7.574	8.324	8641	26618	0.039	0.080 #
11) Endosulfa...	7.676	8.324f	29001	26618	0.141	0.086 #
12) 4,4'-DDE	7.642	8.420	8968	49489	0.040	0.181 #
13) Dieldrin	0.000	8.559	0	5614	N.D.	0.016 #
14) Endrin	0.000	8.788	0	7361	N.D.	0.002 #
15) 4,4'-DDD	8.065	8.825	7780	5308	0.042	0.016 #
16) Endosulfa...	8.160f	8.918	22449	5966	BelowCal	BelowCal
17) 4,4'-DDT	8.287	9.055	9895	7693	0.062	0.125 #
18) Endrin Al...	8.497f	9.170	3645	6522	BelowCal	BelowCal
19) Endosulfa...	8.772	9.360	3818	8012	BelowCal	BelowCal
20) Methoxychlor	8.597	9.532	389166	504848	5.374	5.456
21) Endrin Ke...	8.977	9.764	9757	32840	BelowCal	BelowCal
23) Hexachlor...	3.258	3.715f	17804	459715	0.080	1.056 #
24) Hexachlor...	5.838	6.529	31058	142362	0.138	0.389 #
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.393	8.187	10967	16659	0.072	0.071
27) trans-Non...	7.574	8.267	8641	8844	0.039	0.026 #
28) 2,4'-DDD	7.781	8.559	5568	5614	0.041	0.027 #
29) 2,4'-DDT	7.951	8.788	3380	7361	0.026	0.076 #
30) cis-Nonac...	8.065	8.825	7780	5308	0.031	0.014 #
31) Mirex	8.712	9.764	11809	32840	BelowCal	0.016
32) Chlordane...	7.486	8.187	6048	16659	0.244	0.393 #
33) Chlordane...	7.574	8.324f	8641	26618	0.314	0.758 #
34) Chlordane...	8.116	8.967	3265	52540	0.436	4.880 #
35) Chlordane...	0.000	3.715f	0	459715	N.D.	NoCal
36) Toxaphene...	7.574	8.559f	8641	5614	8.148	1.986 #
37) Toxaphene...	0.000	8.892	0	15869	N.D.	4.574 #
38) Toxaphene...	8.160	8.918	22449	5966	5.586	1.039 #
39) Toxaphene...	8.438f	8.967	14976	52540	3.833	5.681 #
40) Toxaphene...	8.635	9.170	3236	6522	1.073	1.286
41) Toxaphene...	8.712	9.532	11809	504848	2.994	94.516 #
42) Toxaphene...	0.000	3.715f	0	459715	N.D.	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 13:45
 Operator : MJB
 Sample : 0020823-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: Mar 02 15:27:59 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:02
 Operator : MJB
 Sample : 0020823-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: Mar 02 15:28:03 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

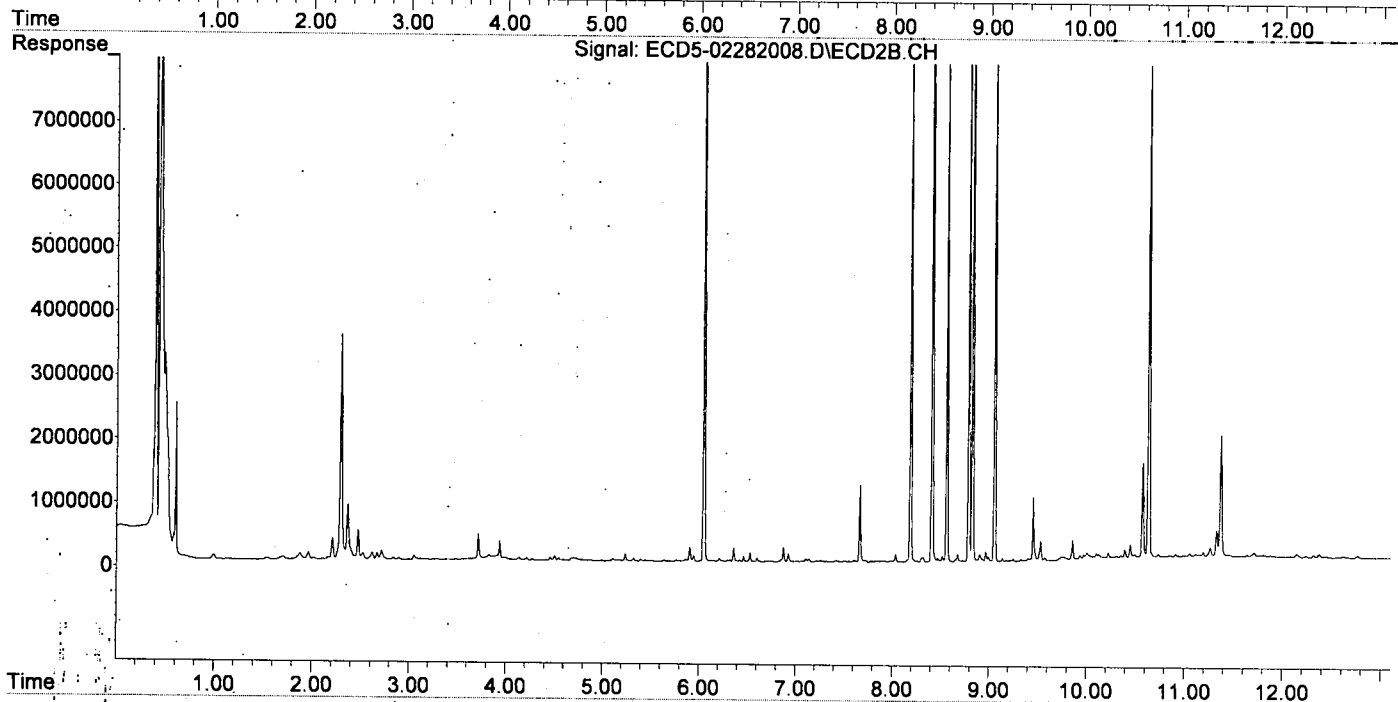
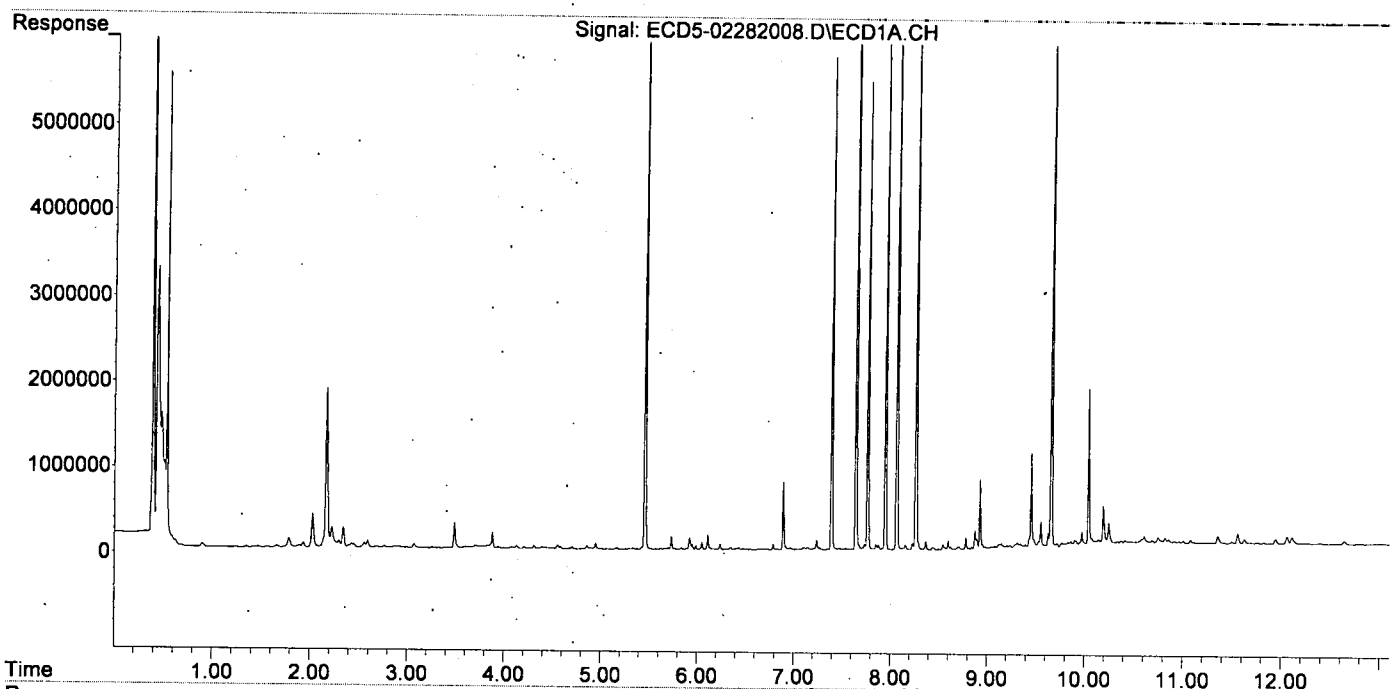
MJB
3/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.458	6.049	7046769	11815920	32.787	34.308
22) S DCBP (S)	9.660	10.635	7598383	8357996	48.016	43.093
Target Compounds						
2) a-BHC	5.988	6.623f	54323	20104	0.190	0.069 #
3) g-BHC	6.288	0.000	11768	0	0.047	N.D. #
4) b-BHC	6.349	7.027	28554	25901	0.075	BelowCal #
5) Heptachlor	6.692	7.323f	9899	18658	0.042	0.050
6) d-BHC	6.512	7.323f	7843	18658	0.031	BelowCal #
7) Aldrin	6.971f	7.610	30952	44855	0.129	0.118
8) Heptachlo...	7.394	8.038	5747628	126110	25.532	0.366 #
9) trans-Chl...	7.507	8.189	9664	9158371	0.042	25.911 #
10) cis-Chlor...	7.603	8.322	8184	77212	0.037	0.232 #
11) Endosulfa...	0.000	8.322f	0	77212	N.D.	0.249 #
12) 4,4'-DDE	7.646	8.411	9254767	15256450	41.054	43.837
13) Dieldrin	7.854	8.563	66266	8523941	0.288	24.608 #
14) Endrin	0.000	8.789	0	9444345	N.D.	40.504 #
15) 4,4'-DDD	8.068	8.827	8002650	12738371	42.948	45.673
16) Endosulfa...	8.158f	8.934	58160	40808	0.113	BelowCal #
17) 4,4'-DDT	8.266	9.055	7829884	11696940	52.654	55.693
18) Endrin Al...	8.498f	9.177	5404	19340	BelowCal	BelowCal
19) Endosulfa...	8.781	9.362	131810	12965	0.425	BelowCal #
20) Methoxychlor	8.599	9.530	104781	317949	1.321	3.436 #
21) Endrin Ke...	0.000	9.766	0	65937	N.D.	0.071 #
23) Hexachlor...	3.259	3.716	17662	419559	0.079	0.964 #
24) Hexachlor...	5.840	6.531	25348	150486	0.113	0.412 #
25) Oxychlordan	7.353f	7.980	11149	27048	0.056	0.088 #
26) 2,4'-DDE	7.394	8.189	5747628	9158371	37.680	38.907
27) trans-Non...	7.571	8.262	12136	19483	0.054	0.057
28) 2,4'-DDD	7.768	8.563	5449141	8523941	39.769	40.802
29) 2,4'-DDT	7.951	8.789	6141203	9444345	47.492	50.370
30) cis-Nonac...	8.068	8.827	8002650	12738371	31.970	33.919
31) Mirex	8.707	9.766	32795	65937	0.006	0.189 #
32) Chlordane...	7.507	8.189	9664	9158371	0.389	215.800 #
33) Chlordane...	7.571	8.322	12136	77212	0.441	2.199 #
34) Chlordane...	8.158f	8.967	58160	162295	7.761	15.074 #
35) Chlordane...	0.000	3.716f	0	419559	N.D.	NoCal
36) Toxaphene...	7.571	8.519	12136	95529	11.445	33.785 #
37) Toxaphene...	7.854	8.906f	66266	119735	33.644	34.514
38) Toxaphene...	8.158	8.906	58160	119735	14.471	20.854 #
39) Toxaphene...	8.438f	8.994	26982	82798	6.906	8.953 #
40) Toxaphene...	8.627	9.177	30885	19340	10.238	3.813 #
41) Toxaphene...	8.707	9.530	32795	317949	8.316	59.525 #
42) Toxaphene...	0.000	3.716f	0	419559	N.D.	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:02
 Operator : MJB
 Sample : 0020823-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: Mar 02 15:28:03 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:20
 Operator : MJB
 Sample : A0B0681-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:34:45 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MB
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Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

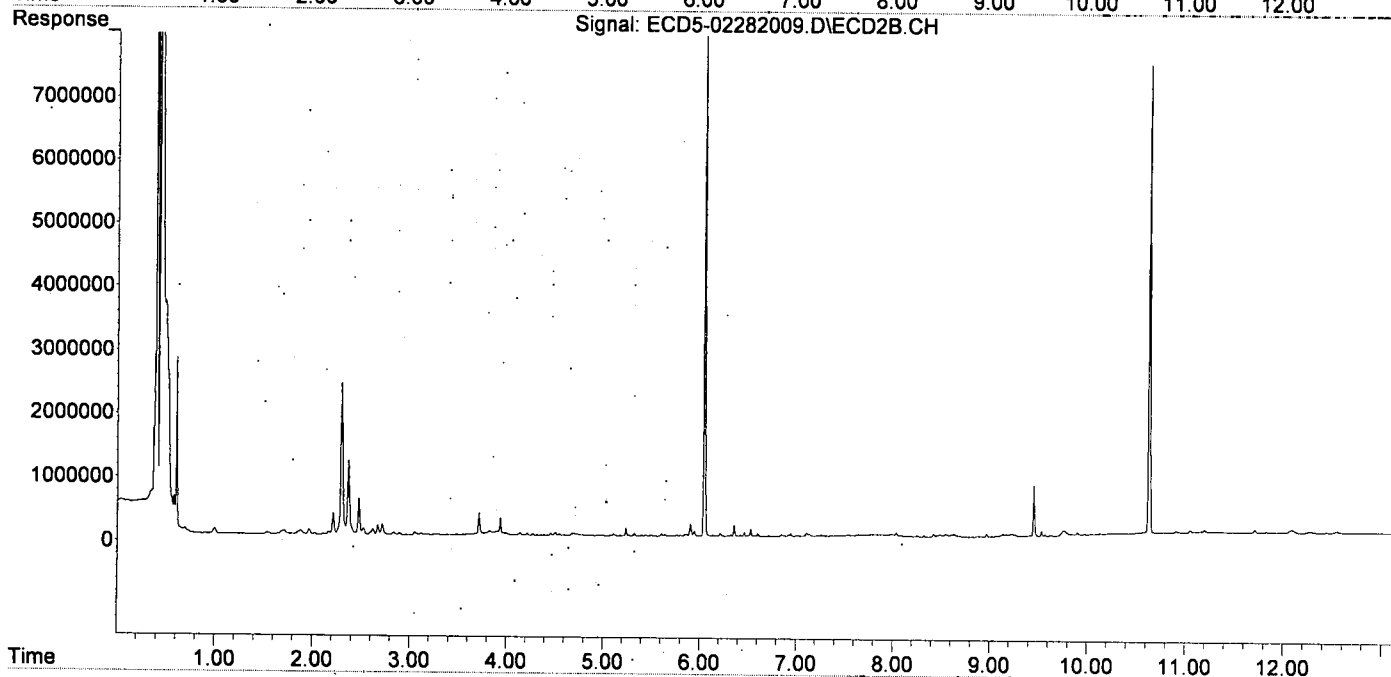
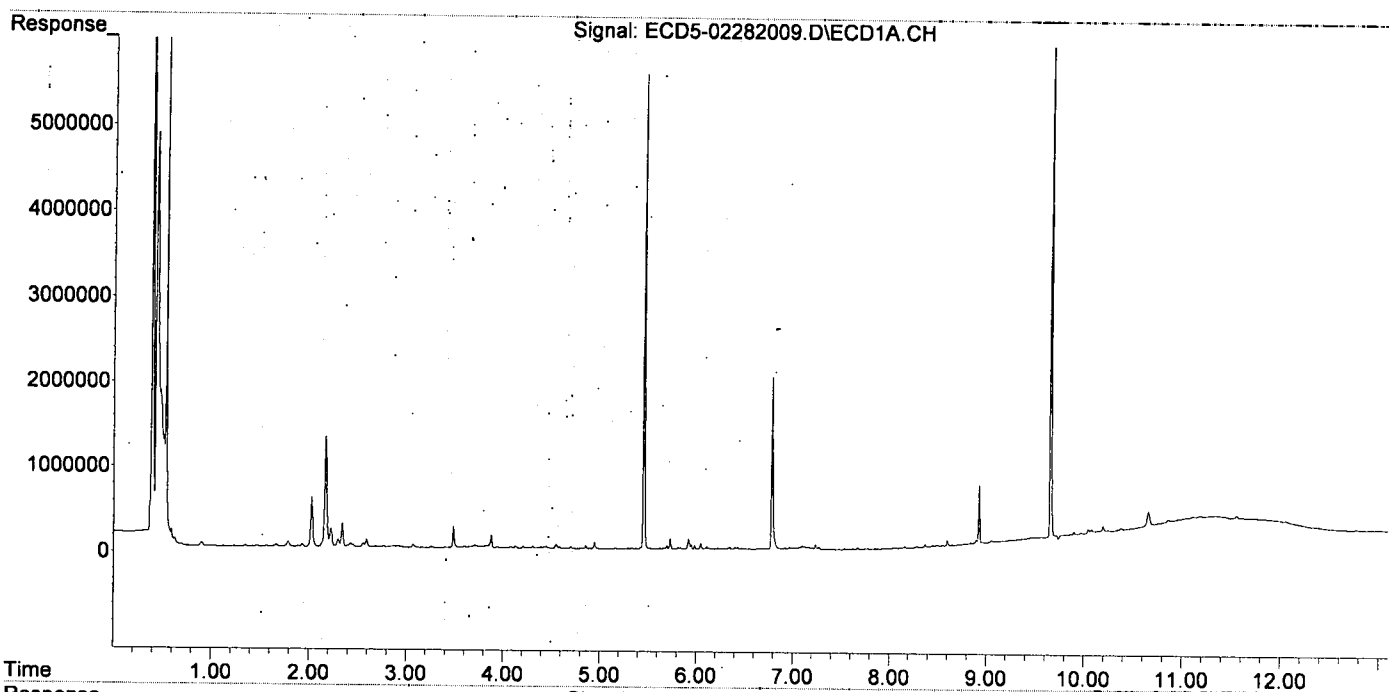
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.046	5498613	9105324	25.584	26.438
22) S DCBP (S)	9.658	10.632	6802621	7372117	42.980	38.010
Target Compounds						
2) a-BHC	5.986	6.621f	46033	12687	0.161	0.052 #
3) g-BHC	6.287	7.003f	12765	11529	0.051	0.028 #
4) b-BHC	6.348	7.053	25859	7702	0.050	BelowCal #
5) Heptachlor.	6.703	7.358	10709	4592	0.046	0.012 #
6) d-BHC	6.513	7.320f	8912	4346	0.035	BelowCal #
7) Aldrin	6.919	7.627	20178	11569	0.084	0.030 #
8) Heptachlo...	7.391	8.035f	7531	52522	0.033	0.152 #
9) trans-Chl...	7.483	8.179	3289	8692	0.014	0.025 #
10) cis-Chlor...	7.570	8.323	8370	24013	0.038	0.072 #
11) Endosulfa...	7.675	8.323f	28577	24013	0.139	0.077 #
12) 4,4'-DDE	7.623f	8.420	14040	52977	0.062m	0.191 #
13) Dieldrin	7.854	8.545	10823	45151	0.047	0.130 #
14) Endrin	0.000	8.823f	0	12655	N.D.	0.026 #
15) 4,4'-DDD	8.065	8.823	23394	12655	0.126	0.044 #
16) Endosulfa...	8.160f	8.918	38747	9701	BelowCal	BelowCal
17) 4,4'-DDT	8.286	9.074	36788	14247	0.254	0.161m#
18) Endrin Al...	8.451f	9.171	50190	38146	BelowCal	BelowCal
19) Endosulfa...	8.772	9.374	70134	10018	0.029	BelowCal #
20) Methoxychlor	8.598	9.531	112794	90255	1.436	0.951 #
21) Endrin Ke...	0.000	9.761	0	86067	N.D.	0.152 #
23) Hexachlor...	3.257	3.714f	19276	341929	0.087	0.786 #
24) Hexachlor...	5.838	6.529	20714	120853	0.092	0.331 #
25) Oxychlorane	0.000	7.979	0	22968	N.D.	0.075 #
26) 2,4'-DDE	7.391	8.179	7531	8692	0.049	0.037 #
27) trans-Non...	7.570	8.250	8370	23462	0.037	0.069 #
28) 2,4'-DDD	7.780	8.545	11840	45151	0.086	0.216 #
29) 2,4'-DDT	7.948	8.788	13691	6659	0.106	0.072m#
30) cis-Nonac...	8.065	8.823	23394	12655	0.093	0.034 #
31) Mirex	8.712	9.761	62170	86067	0.214	0.295 #
32) Chlordane...	7.483	8.179	3289	8692	0.133	0.205 #
33) Chlordane...	7.570	8.323	8370	24013	0.304	0.684 #
34) Chlordane...	8.111f	8.966	21299	57658	2.842	5.355 #
35) Chlordane...	3.762	3.714f	24545	341929	NoCal	NoCal
36) Toxaphene...	7.570	8.545	8370	45151	7.893	15.968 #
37) Toxaphene...	7.854	8.890	10823	19036	5.495	5.487
38) Toxaphene...	8.160	8.918	38747	9701	9.641	1.690 #
39) Toxaphene...	8.451f	8.966	50190	57658	12.846	6.235 #
40) Toxaphene...	8.647	9.171	56319	38146	18.669	7.521 #
41) Toxaphene...	8.712	9.531	62170	90255	15.764	16.897
42) Toxaphene...	3.762	3.714f	24545	341929	NoCal	NoCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 14:20
Operator : MJB
Sample : A0B0681-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:34:45 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

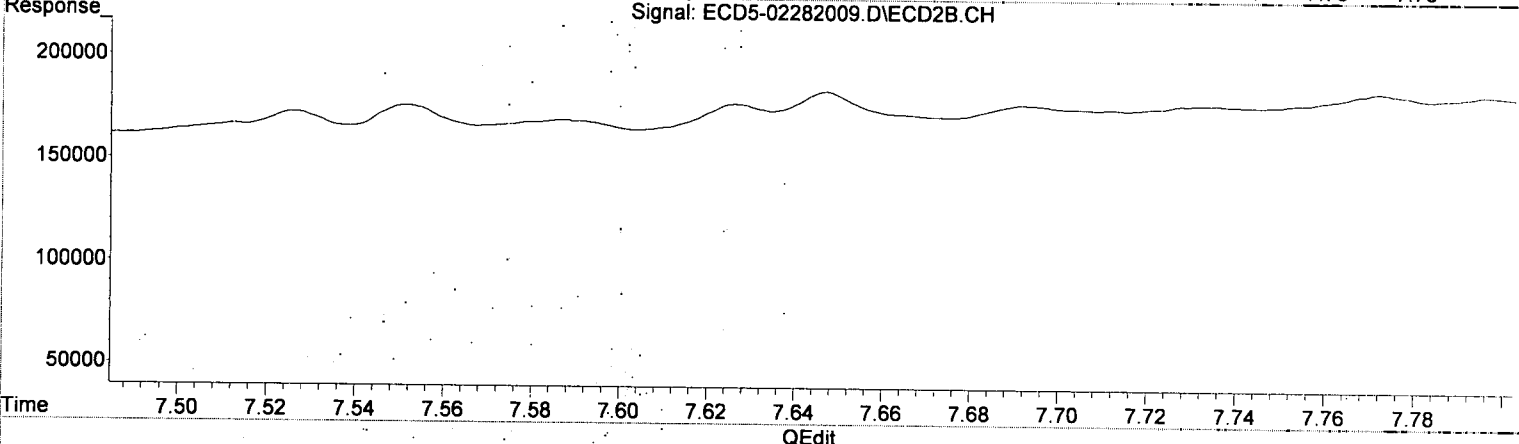
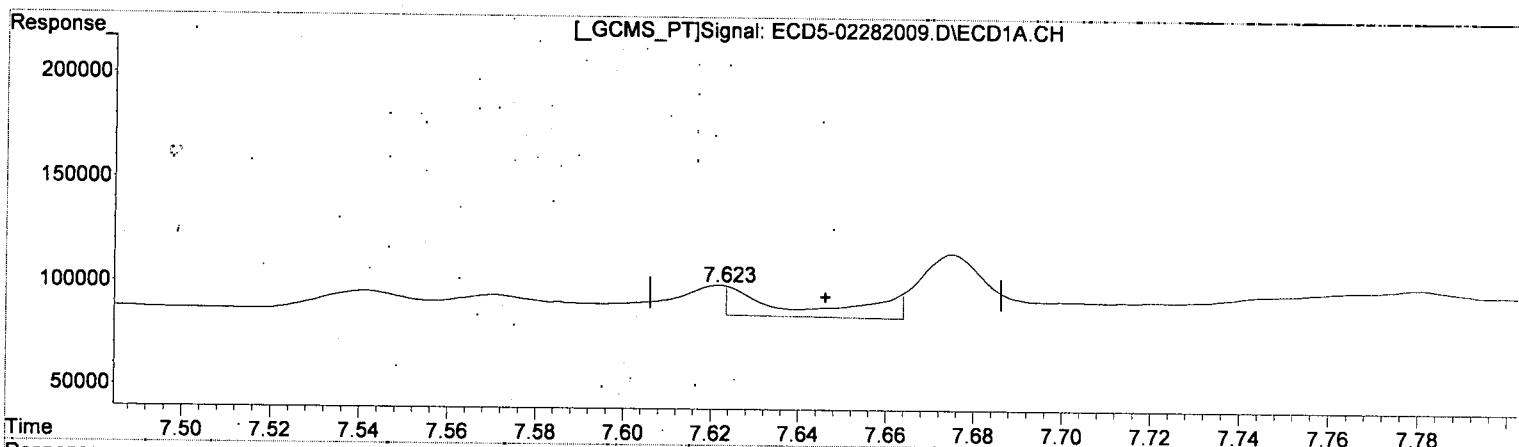


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:20
 Operator : MJB
 Sample : A0B0681-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:07 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(12) 4,4'-DDE
 7.623min 0.062 ng/mL (m)
 response 14040

MJB
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(12) 4,4'-DDE #2
 8.420min 0.191 ng/mL
 response 52977

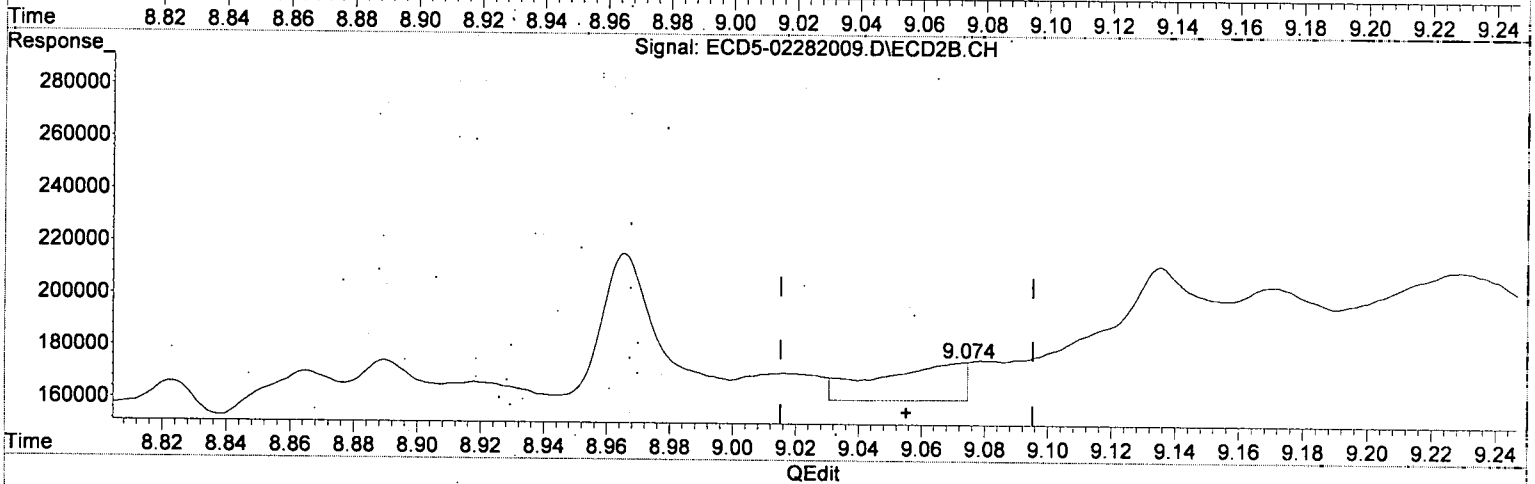
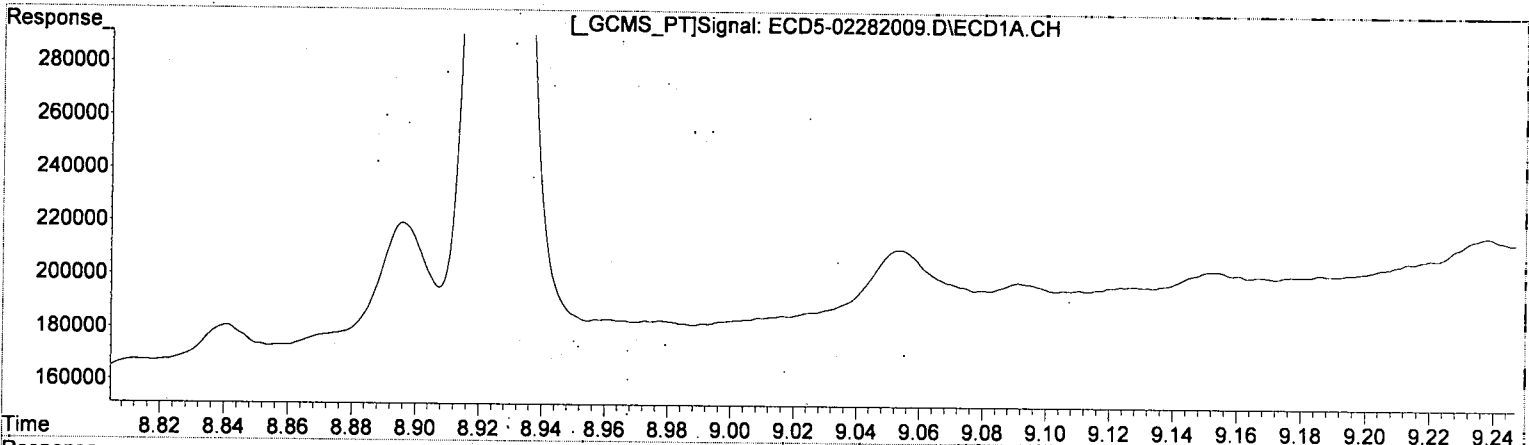
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 14:20
Operator : MJB
Sample : A0B0681-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.286min 0.254 ng/mL
response 36788

MJB
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(17) 4,4'-DDT #2
9.074min 0.161 ng/mL (m)
response 14247

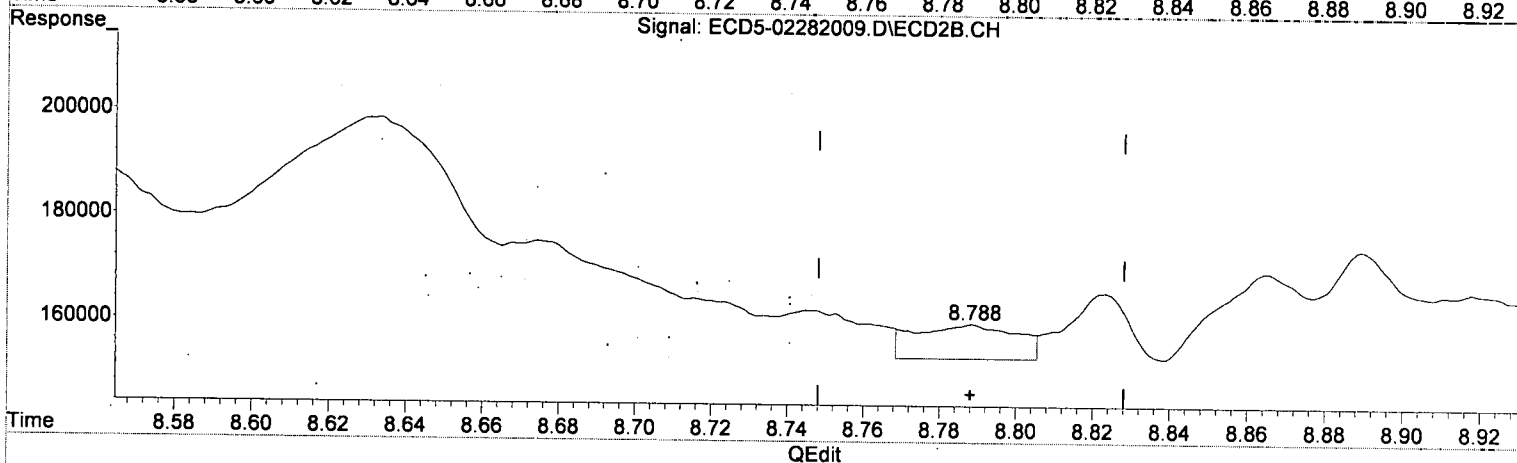
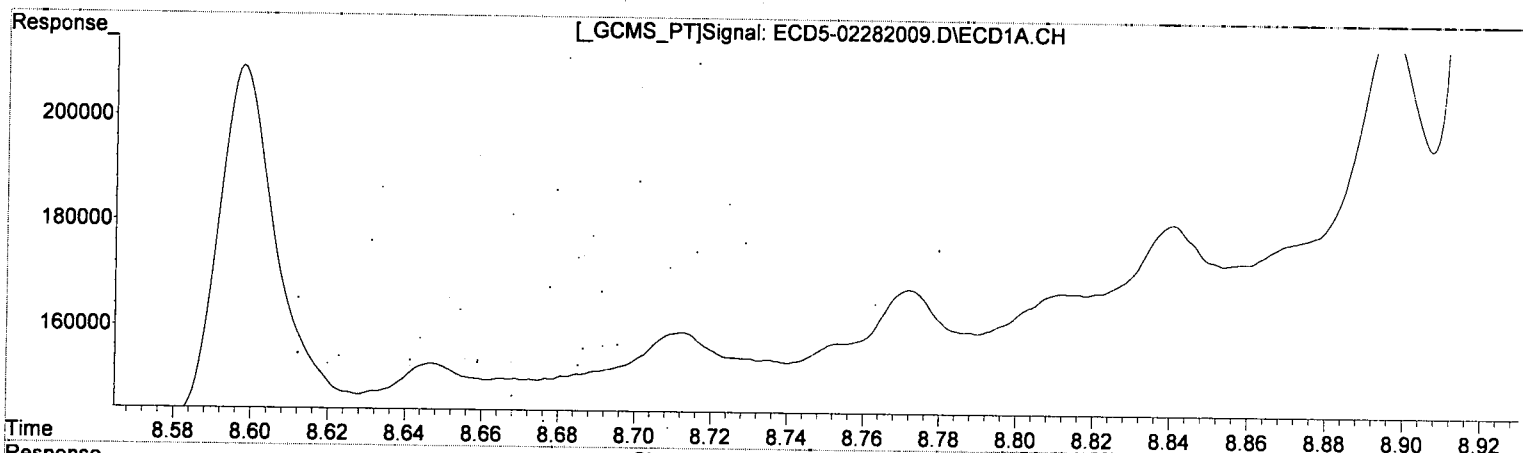
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 14:20
Operator : MJB
Sample : A0B0681-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
7.948min 0.106 ng/mL
response 13691

*MJB
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(29) 2,4'-DDT #2
8.788min 0.072 ng/mL (m)
response 6659

(+) = Expected Retention Time

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:20
 Operator : MJB
 Sample : A0B0681-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:07.2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

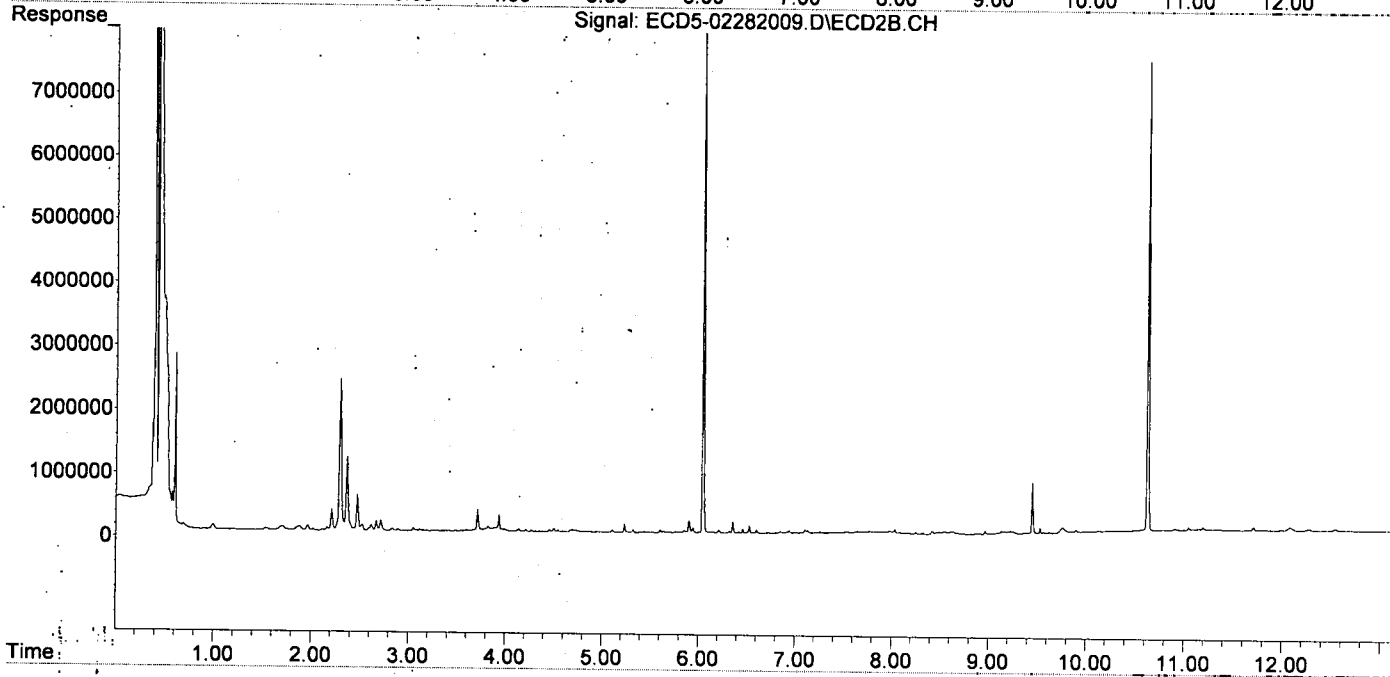
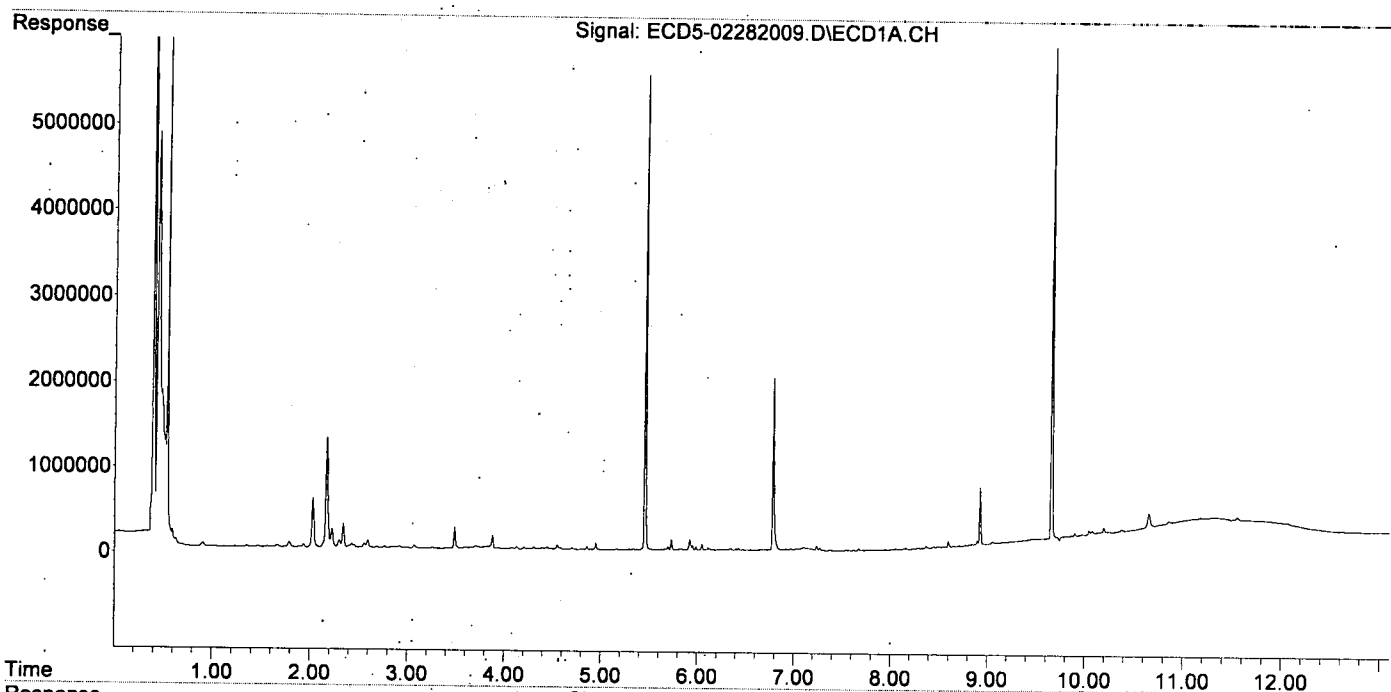
MT
MJB
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Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.046	5498613	9105324	25.584	26.438
22) S DCBP (S)	9.658	10.632	6802621	7372117	42.980	38.010
Target Compounds						
2) a-BHC	5.986	6.621f	46033	12687	0.161	0.052 #
3) g-BHC	6.287	7.003f	12765	11529	0.051	0.028 #
4) b-BHC	6.348	7.053	25859	7702	0.050	BelowCal #
5) Heptachlor	6.703	7.358	10709	4592	0.046	0.012 #
6) d-BHC	6.513	7.320f	8912	4346	0.035	BelowCal #
7) Aldrin	6.919	7.627	20178	11569	0.084	0.030 #
8) Heptachlo...	7.391	8.035f	7531	52522	0.033	0.152 #
9) trans-Chl...	7.483	8.179	3289	8692	0.014	0.025 #
10) cis-Chlor...	7.570	8.323	8370	24013	0.038	0.072 #
11) Endosulfa...	7.675	8.323f	28577	24013	0.139	0.077 #
12) 4,4'-DDE	7.622f	8.420	13566	52977	0.060	0.191 #
13) Dieldrin	7.854	8.545	10823	45151	0.047	0.130 #
14) Endrin	0.000	8.823f	0	12655	N.D.	0.026 #
15) 4,4'-DDD	8.065	8.823	23394	12655	0.126	0.044 #
16) Endosulfa...	8.160f	8.918	38747	9701	BelowCal	BelowCal
17) 4,4'-DDT	8.286	9.017f	36788	9794	0.254	0.137 #
18) Endrin Al...	8.451f	9.171	50190	38146	BelowCal	BelowCal
19) Endosulfa...	8.772	9.374	70134	10018	0.029	BelowCal #
20) Methoxychlor	8.598	9.571	112794	90255	1.436	0.951 #
21) Endrin Ke...	0.000	9.761	0	86067	N.D.	0.152 #
23) Hexachlor...	3.257	3.714f	19276	341929	0.087	0.786 #
24) Hexachlor...	5.838	6.529	20714	120853	0.092	0.331 #
25) Oxychlorane	0.000	7.979	0	22968	N.D.	0.075 #
26) 2,4'-DDE	7.391	8.179	7531	8692	0.049	0.037 #
27) trans-Non...	7.570	8.250	8370	23462	0.037	0.069 #
28) 2,4'-DDD	7.780	8.545	11840	45151	0.086	0.216 #
29) 2,4'-DDT	7.948	8.823f	13691	12655	0.106	0.108 #
30) cis-Nonac...	8.065	8.823	23394	12655	0.093	0.034 #
31) Mirex	8.712	9.761	62170	86067	0.214	0.295 #
32) Chlordane...	7.483	8.179	3289	8692	0.133	0.205 #
33) Chlordane...	7.570	8.323	8370	24013	0.304	0.684 #
34) Chlordane...	8.117f	8.966	21299	57658	2.842	5.355 #
35) Chlordane...	3.762	3.714f	24545	341929	NoCal	NoCal
36) Toxaphene...	7.570	8.545	8370	45151	7.893	15.968 #
37) Toxaphene...	7.854	8.890	10823	19036	5.495	5.487
38) Toxaphene...	8.160	8.918	38747	9701	9.641	1.690 #
39) Toxaphene...	8.451f	8.966	50190	57658	12.846	6.235 #
40) Toxaphene...	8.647	9.171	56319	38146	18.669	7.521 #
41) Toxaphene...	8.712	9.531	62170	90255	15.764	16.897
42) Toxaphene...	3.762	3.714f	24545	341929	NoCal	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:20
 Operator : MJB
 Sample : A0B0681-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:07 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:37
 Operator : MJB
 Sample : AOB0681-04RE1
 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: Mar 02 15:38:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
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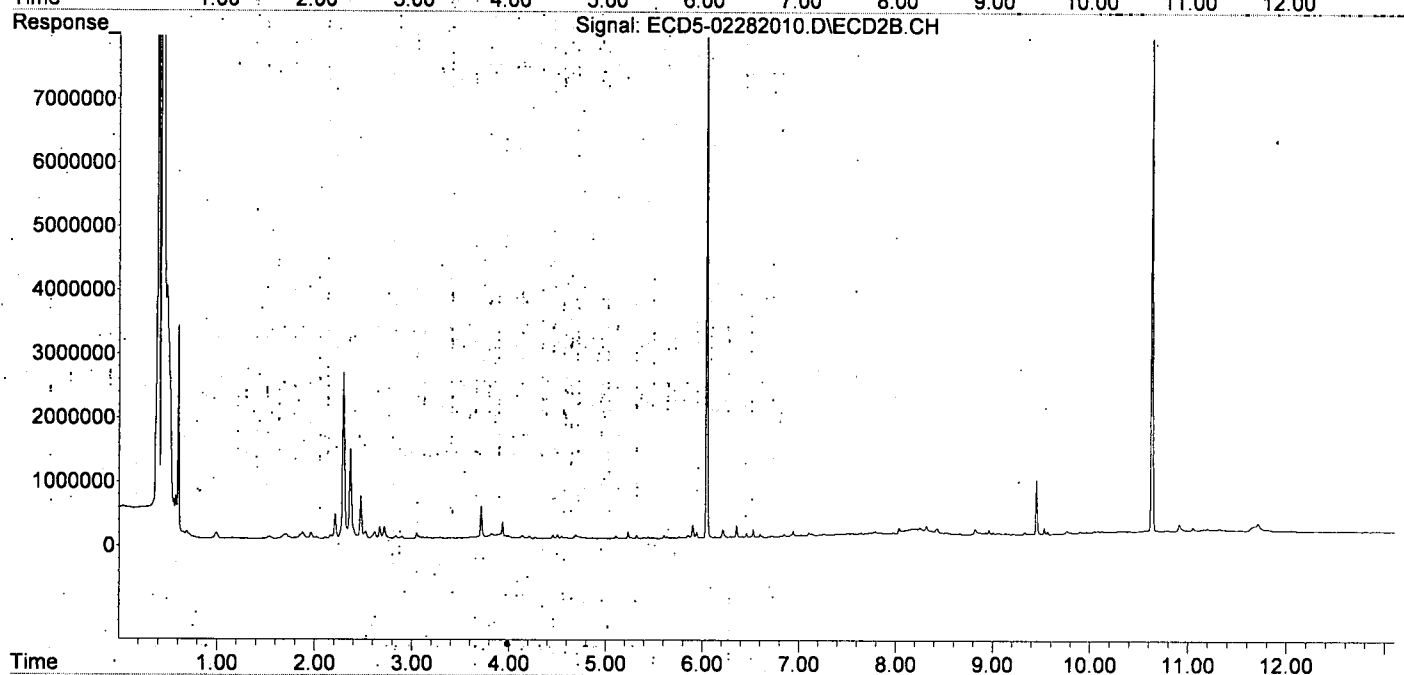
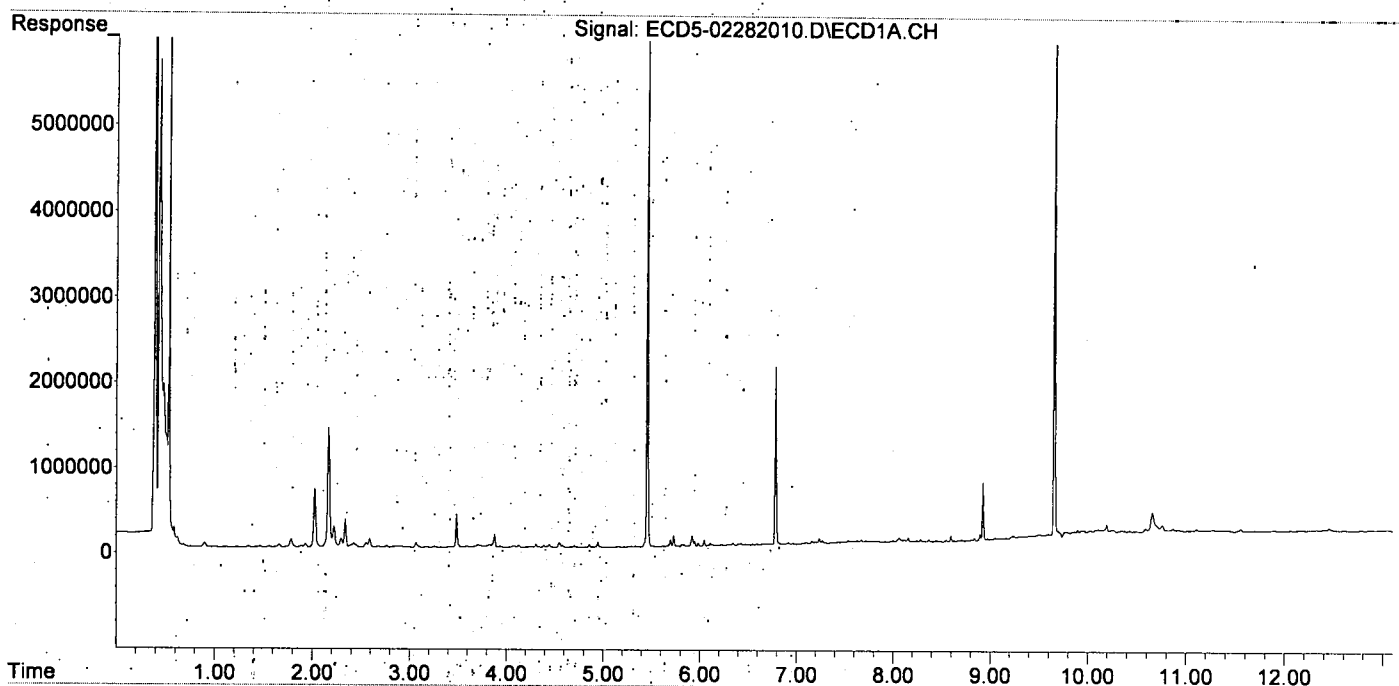
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.047	6044992	9814858	28.126	28.498
22) S DCBP (S)	9.658	10.634	6946258	7925315	43.890	40.863
Target Compounds						
2) a-BHC	5.986	6.621f	42966	17367	0.150	0.062 #
3) g-BHC	6.289	7.006f	14085	22622	0.056	0.055
4) b-BHC	6.347	7.024	27773	33425	0.067	0.022 #
5) Heptachlor	6.699	7.377f	12204	37709	0.052	0.101 #
6) d-BHC	6.506	7.296	11495	29951	0.046	0.007 #
7) Aldrin	6.919	7.627	21483	43663	0.089	0.115 #
8) Heptachlo...	7.391	8.037f	16169	127109	0.072	0.368 #
9) trans-Chl...	7.502	8.200	18000	106013	0.079	0.300 #
10) cis-Chlor...	7.569	8.320	27236	152960	0.123	0.459 #
11) Endosulfa...	7.674	8.320f	42879	152960	0.208	0.493 #
12) 4,4'-DDE	7.638	8.420	28056	95980	0.124	0.321 #
13) Dieldrin	7.852	8.537f	18607	39410	0.081	0.114 #
14) Endrin	8.005	8.788	26268	15147	0.158	0.037 #
15) 4,4'-DDD	8.064	8.823	52472	91527	0.282	0.344
16) Endosulfa...	8.157f	8.931	59072	31100	0.119	BelowCal #
17) 4,4'-DDT	8.286	9.056	34040	26004	0.234	0.226
18) Endrin Al...	8.494f	9.168	7030	8276	BelowCal	BelowCal
19) Endosulfa...	8.775	9.333f	7574	40687	BelowCal	BelowCal
20) Methoxychlor	8.598	9.531	69837	104808	0.821	1.111 #
21) Endrin Ke...	8.975	9.764	22244	45419	BelowCal	BelowCal
23) Hexachlor...	3.257	3.714f	15801	512682	0.071	1.178 #
24) Hexachlor...	5.837	6.529	21434	127788	0.095	0.350 #
25) Oxychlorane	0.000	7.978	0	52169	N.D.	0.170 #
26) 2,4'-DDE	7.391	8.176	16169	106585	0.106	0.453m#
27) trans-Non...	7.569	8.253	27236	125855	0.122	0.370 #
28) 2,4'-DDD	7.780	8.537f	25513	39410	0.186	0.189
29) 2,4'-DDT	7.971	8.788	13699	15147	0.106m	0.123
30) cis-Nonac...	8.064	8.823	52472	91527	0.210	0.244
31) Mirex	8.710	9.764	19234	45419	BelowCal	0.082
32) Chlordane...	7.502	8.200	18000	106013	0.725	2.498 #
33) Chlordane...	7.569	8.320	27236	152960	0.989	4.356 #
34) Chlordane...	8.116	8.965	30211	77853	4.031	7.231 #
35) Chlordane...	0.000	3.714f	0	512682	N.D.	NoCal
36) Toxaphene...	7.569	8.537	27236	39410	25.685	13.938 #
37) Toxaphene...	7.852	8.889	18607	28867	9.447	8.321
38) Toxaphene...	8.157	8.931	59072	31100	14.698	5.417 #
39) Toxaphene...	8.449f	8.965f	16429	77853	4.205	8.419 #
40) Toxaphene...	8.633	9.168	7045	8276	2.335	1.632 #
41) Toxaphene...	8.710	9.531	19234	104808	4.877	19.622 #
42) Toxaphene...	0.000	3.714f	0	512682	N.D.	NoCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 14:37
Operator : MJB
Sample : AOB0681-04RE1
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: Mar 02 15:38:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

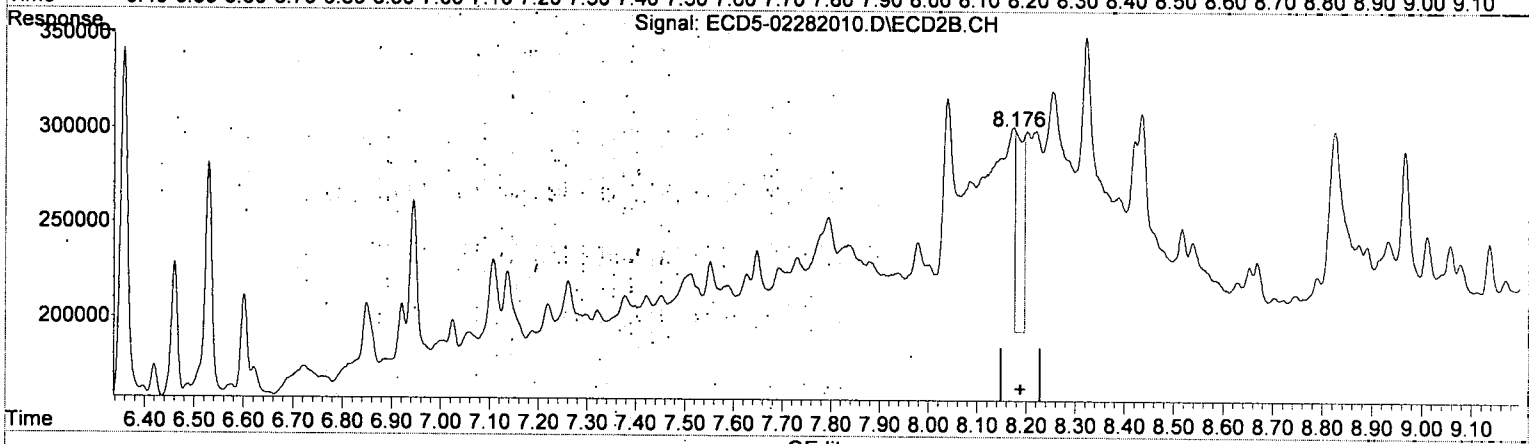
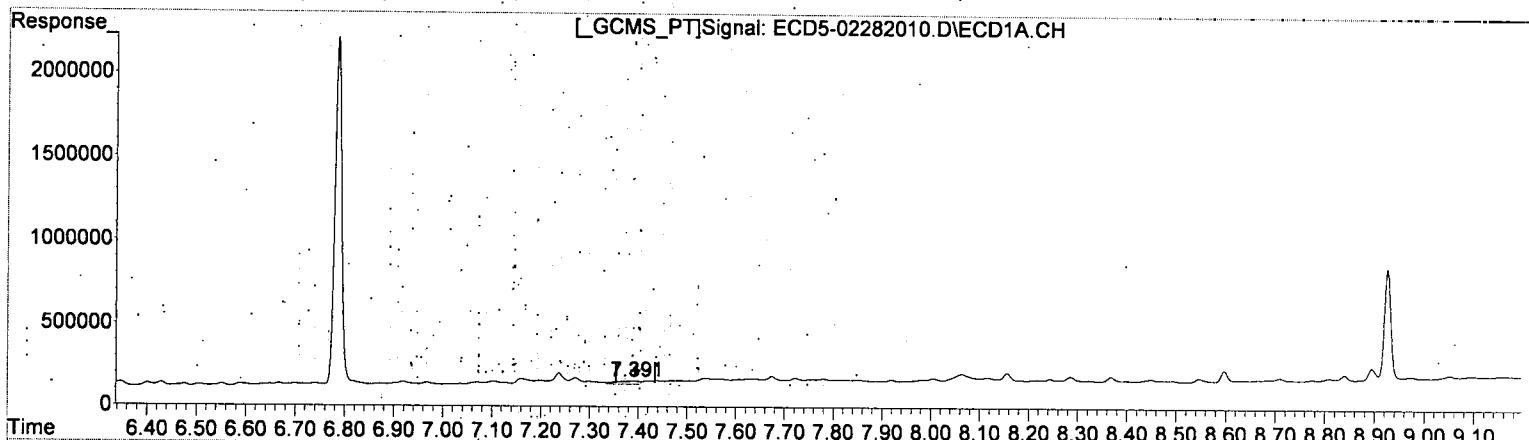


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 14:37
Operator : MJB
Sample : A0B0681-04RE1
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: Mar 02 15:28:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.391min 0.106 ng/mL
response 16169

MJB
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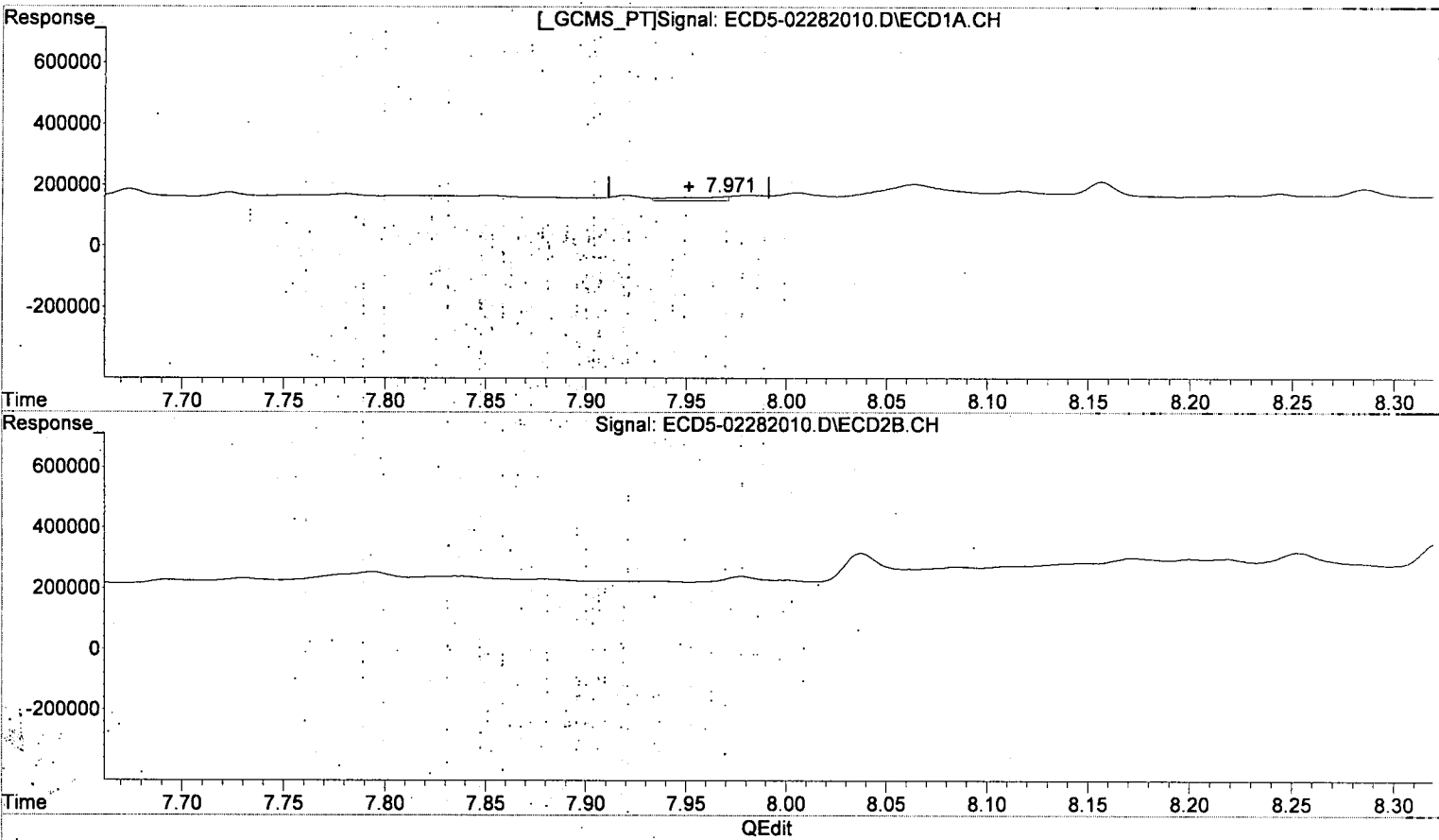
(26) 2,4'-DDE #2
8.176min 0.453 ng/mL *m*
response 106585

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 14:37
Operator : MJB
Sample : A0B0681-04RE1
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: Mar 02 15:28:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4-DDT
7.971min 0.106 ng/mL(m)
response 13699

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(29) 2,4-DDT #2
8.788min 0.123 ng/mL
response 15147

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:37
 Operator : MJB
 Sample : A0B0681-04RE1
 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: Mar 02 15:28:12 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

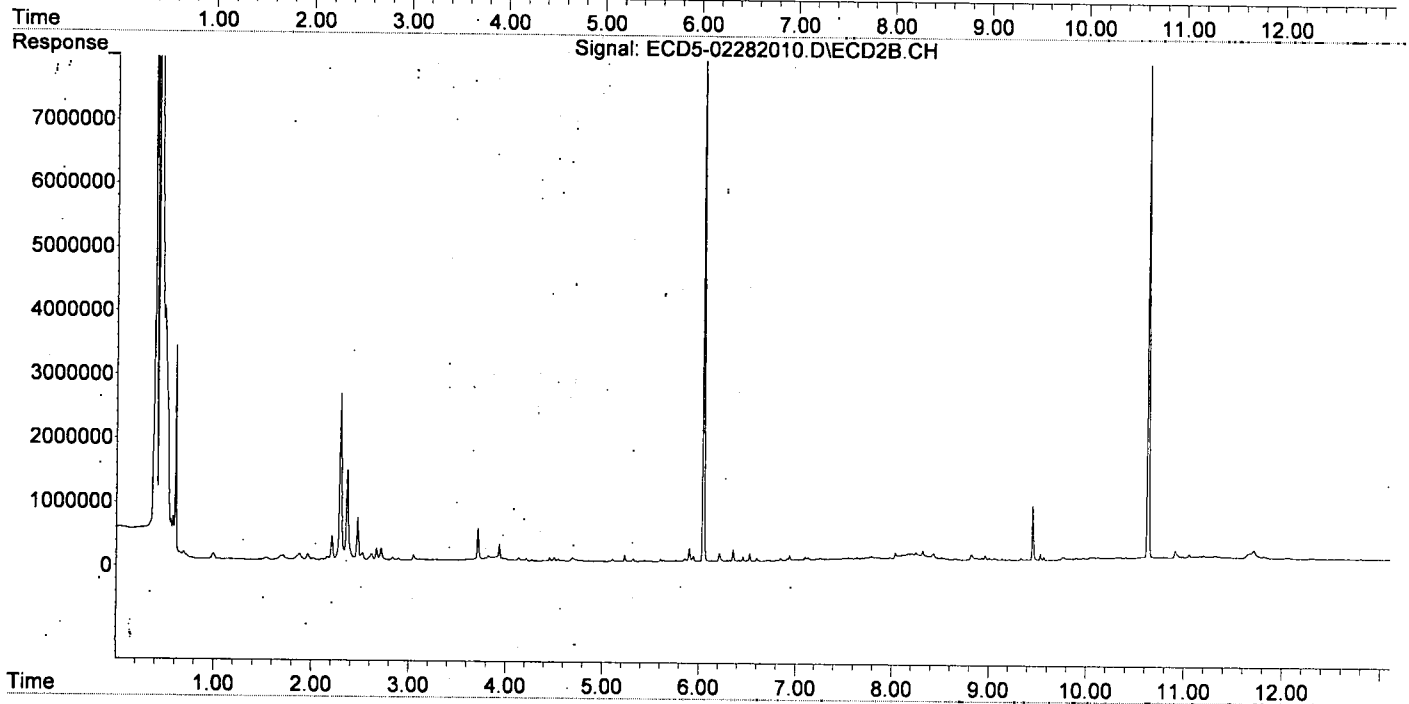
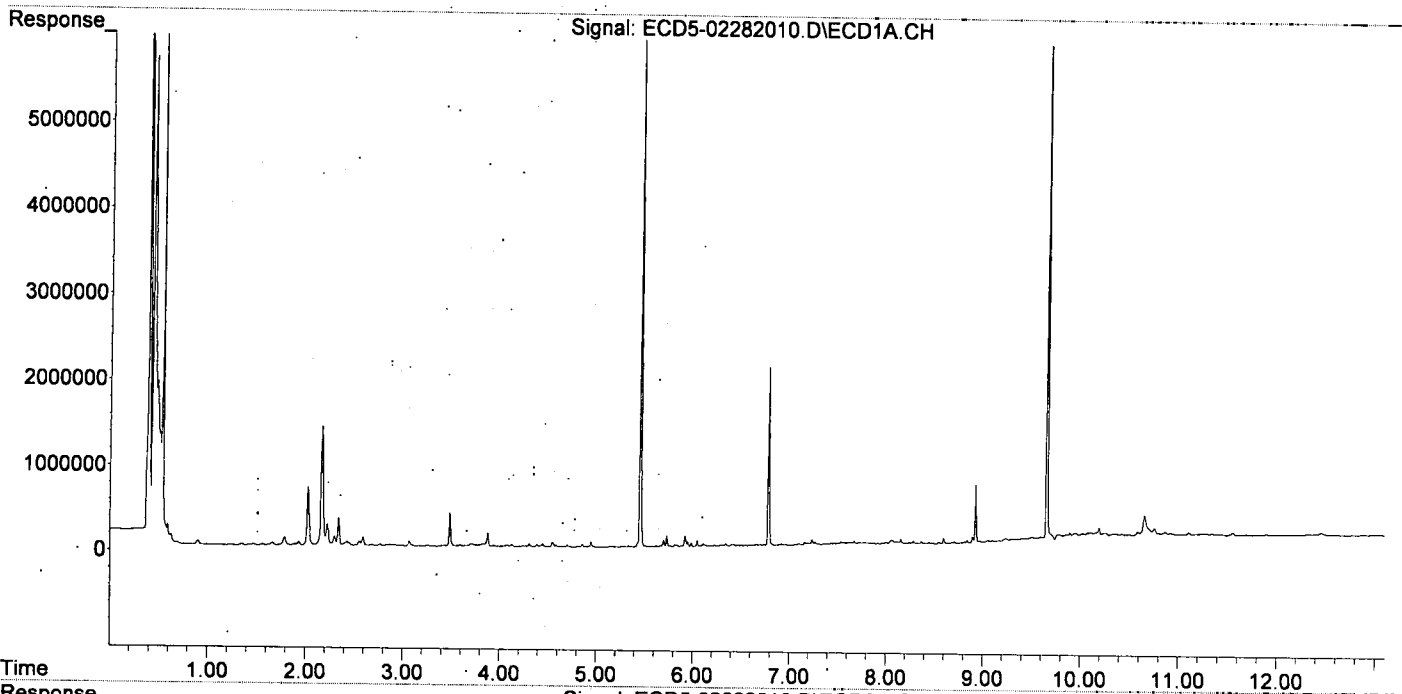
MF
MP
 2/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.047	6044992	9814858	28.126	28.498
22) S DCBP (S)	9.658	10.634	6946258	7925315	43.890	40.863
Target Compounds						
2) a-BHC	5.986	6.621f	42966	17367	0.150	0.062 #
3) g-BHC	6.289	7.006f	14085	22622	0.056	0.055 #
4) b-BHC	6.347	7.024	27773	33425	0.067	0.022 #
5) Heptachlor	6.699	7.377f	12204	37709	0.052	0.101 #
6) d-BHC	6.506	7.296	11495	29951	0.046	0.007 #
7) Aldrin	6.919	7.627	21483	43663	0.089	0.115 #
8) Heptachlo...	7.391	8.037f	16169	127109	0.072	0.368 #
9) trans-Chl...	7.502	8.200	18000	106013	0.079	0.300 #
10) cis-Chlor...	7.569	8.320	27236	152960	0.123	0.459 #
11) Endosulfa...	7.674	8.320f	42879	152960	0.208	0.493 #
12) 4,4'-DDE	7.638	8.420	28056	95980	0.124	0.321 #
13) Dieldrin	7.852	8.537f	18607	39410	0.081	0.114 #
14) Endrin	8.005	8.788	26268	15147	0.158	0.037 #
15) 4,4'-DDD	8.064	8.823	52472	91527	0.282	0.344 #
16) Endosulfa...	8.157f	8.931	59072	31100	0.119	BelowCal #
17) 4,4'-DDT	8.286	9.056	34040	26004	0.234	0.226 #
18) Endrin Al...	8.494f	9.168	7030	8276	BelowCal	BelowCal
19) Endosulfa...	8.775	9.333f	7574	40687	BelowCal	BelowCal
20) Methoxychlor	8.598	9.531	69837	104808	0.821	1.111 #
21) Endrin Ke...	8.975	9.764	22244	45419	BelowCal	BelowCal
23) Hexachlor...	3.257	3.714f	15801	512682	0.071	1.178 #
24) Hexachlor...	5.837	6.529	21434	127788	0.095	0.350 #
25) Oxychlorane	0.000	7.978	0	52169	N.D.	0.170 #
26) 2,4'-DDE	7.391	8.200	16169	106013	0.106	0.450 #
27) trans-Non...	7.569	8.253	27236	125855	0.122	0.370 #
28) 2,4'-DDD	7.780	8.537f	25513	39410	0.186	0.189 #
29) 2,4'-DDT	7.920f	8.788	18346	15147	0.142	0.123 #
30) cis-Nonac...	8.064	8.823	52472	91527	0.210	0.244 #
31) Mirex	8.710	9.764	19234	45419	BelowCal	0.082 #
32) Chlordane...	7.502	8.200	18000	106013	0.725	2.498 #
33) Chlordane...	7.569	8.320	27236	152960	0.989	4.356 #
34) Chlordane...	8.116	8.965	30211	77853	4.031	7.231 #
35) Chlordane...	0.000	3.714f	0	512682	N.D.	NoCal #
36) Toxaphene...	7.569	8.537	27236	39410	25.685	13.938 #
37) Toxaphene...	7.852	8.889	18607	28867	9.447	8.321 #
38) Toxaphene...	8.157	8.931	59072	31100	14.698	5.417 #
39) Toxaphene...	8.449f	8.965f	16429	77853	4.205	8.419 #
40) Toxaphene...	8.633	9.168	7045	8276	2.335	1.632 #
41) Toxaphene...	8.710	9.531	19234	104808	4.877	19.622 #
42) Toxaphene...	0.000	3.714f	0	512682	N.D.	NoCal #

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 14:37
Operator : MJB
Sample : A0B0681-04RE1
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: Mar 02 15:28:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:54
 Operator : MJB
 Sample : 0020823-MS1
 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: Mar 02 15:28:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

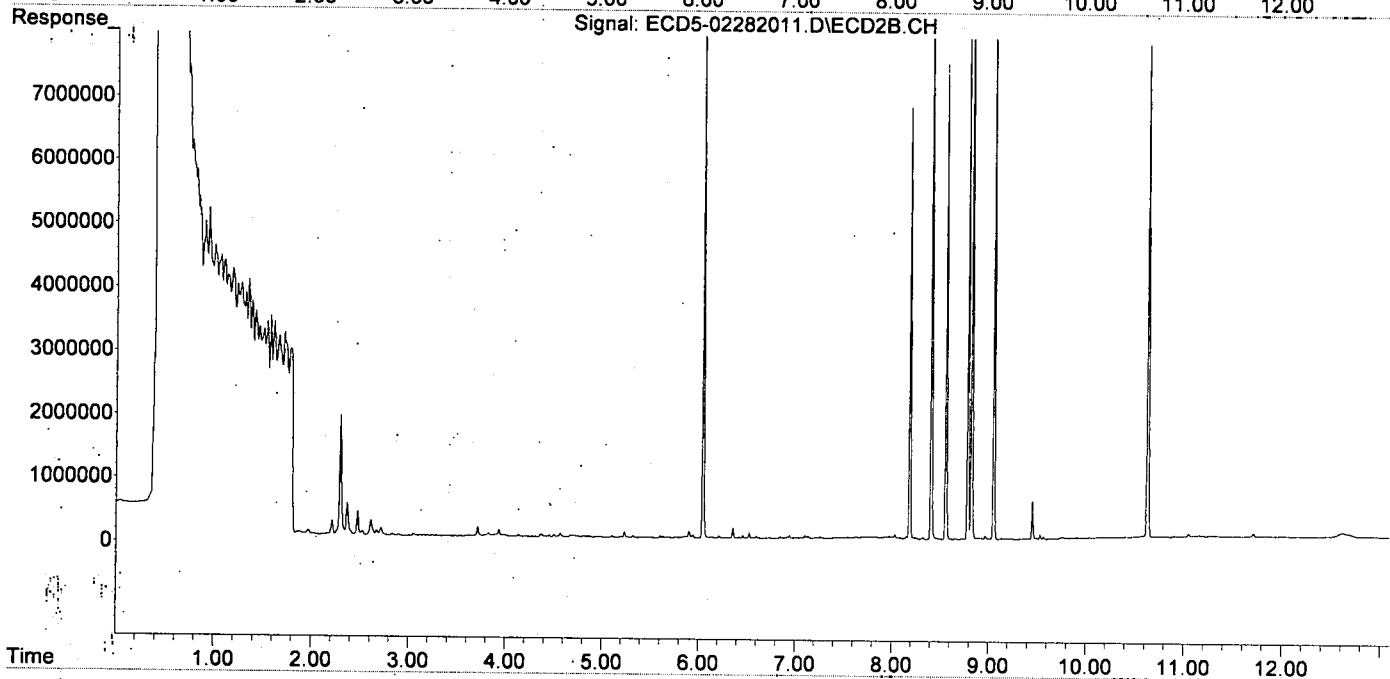
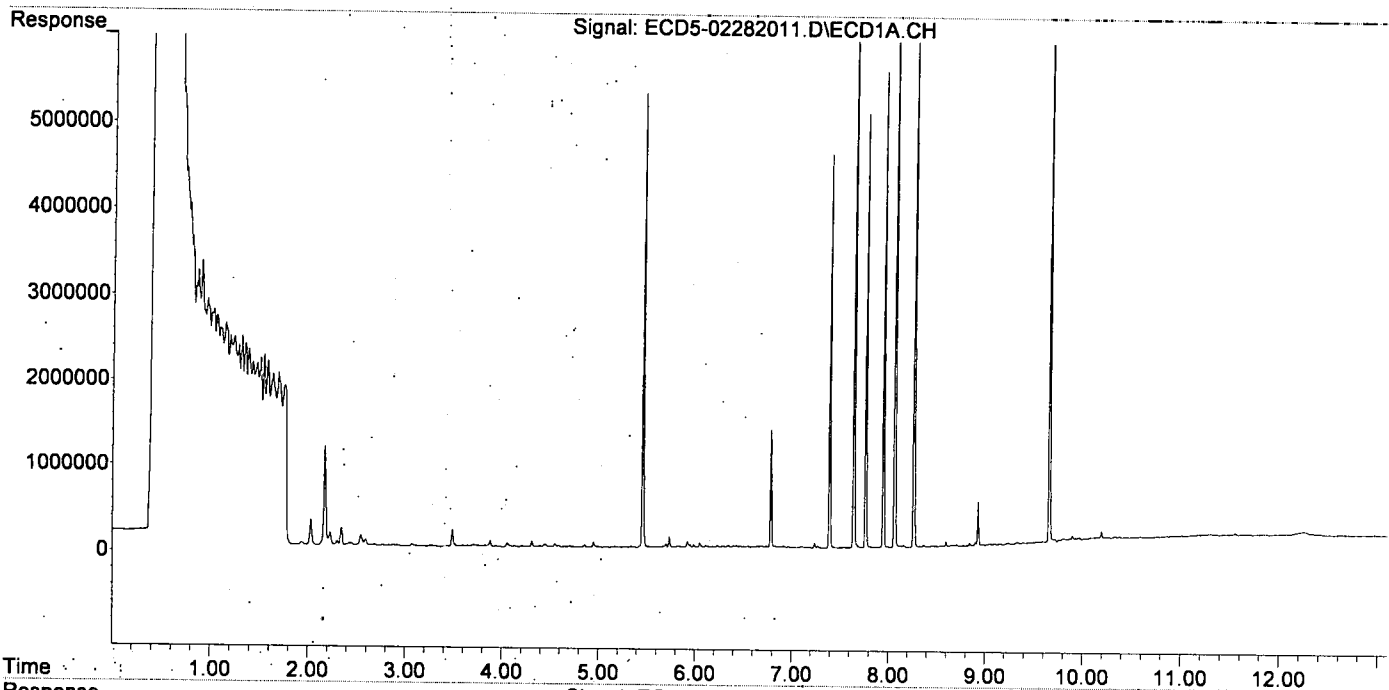
MJB
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Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.046	5277033	8189545	24.553	23.779
22) S DCBP (S)	9.658	10.632	7291084	7700358	46.072	39.703
Target Compounds						
2) a-BHC	5.986	6.691f	37617	6008	0.132	0.036 #
3) g-BHC	6.286	6.944f	20553	45253	0.081	0.111 #
4) b-BHC	6.348	7.024	25087	12495	0.042	BelowCal #
5) Heptachlor	6.691	0.000	20071	0	0.086	N.D. #
6) d-BHC	6.502	7.262f	16913	16483	0.067	BelowCal #
7) Aldrin	6.918	7.627	22084	9953	0.092	0.026 #
8) Heptachlo...	7.392	8.036f	4581536	57106	20.352	0.166 #
9) trans-Chl...	7.507	8.186	5481	6753204	0.024	19.106 #
10) cis-Chlor...	7.597	8.323	3760	31595	0.017	0.095 #
11) Endosulfa...	0.000	8.323f	0	31595	N.D.	0.102 #
12) 4,4'-DDE	7.643	8.408	7837432	11586268	34.767	33.641
13) Dieldrin	7.854	8.561	6391	7432573	0.028	21.457 #
14) Endrin	8.003f	8.787	5797	7844655	0.035	33.980 #
15) 4,4'-DDD	8.066	8.825	7719852	11406511	41.430	41.135
16) Endosulfa...	8.159f	8.934	24248	18838	BelowCal	BelowCal
17) 4,4'-DDT	8.264	9.053	7160532	10042305	48.379	48.668
18) Endrin Al...	8.470	9.175	7837	14646	BelowCal	BelowCal
19) Endosulfa...	8.774	9.359	7391	6002	BelowCal	BelowCal
20) Methoxychlor	8.598	9.531	59597	74605	0.674	0.780
21) Endrin Ke...	8.975	9.765	13544	21117	BelowCal	BelowCal
23) Hexachlor...	3.258	3.715f	16638	154776	0.075	0.356 #
24) Hexachlor...	5.838	6.529	21154	84933	0.094	0.232 #
25) Oxychlorane	0.000	7.979	0	23038	N.D.	0.075 #
26) 2,4'-DDE	7.392	8.186	4581536	6753204	30.035	28.690
27) trans-Non...	7.575	8.251	4372	24326	0.020	0.071 #
28) 2,4'-DDD	7.766	8.561	5014342	7432573	36.596	35.578
29) 2,4'-DDT	7.949	8.787	5516689	7844655	42.662	42.606
30) cis-Nonac...	8.066	8.825	7719852	11406511	30.841	30.373
31) Mirex	8.708	9.765	20135	21117	BelowCal	BelowCal
32) Chlordane...	7.507	8.186	5481	6753204	0.221	159.127 #
33) Chlordane...	7.575	8.323	4372	31595	0.159	0.900 #
34) Chlordane...	8.131	8.967	17868	52284	2.384	4.856 #
35) Chlordane...	3.785f	3.715f	15784	154776	NoCal	NoCal
36) Toxaphene...	7.575	8.561f	4372	7432573	4.122	2628.602 #
37) Toxaphene...	7.854	0.000	6391	0	3.245	N.D. #
38) Toxaphene...	8.159	8.934	24248	18838	6.033	3.281 #
39) Toxaphene...	0.000	8.967	0	52284	N.D.	5.654 #
40) Toxaphene...	8.671f	9.175	12221	14646	4.051	2.887 #
41) Toxaphene...	8.708	9.531	20135	74605	5.106	13.967 #
42) Toxaphene...	3.785f	3.715f	15784	154776	NoCal	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 14:54
 Operator : MJB
 Sample : 0020823-MS1
 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: Mar 02 15:28:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path: C:\msdchem\1\data\2020-02\0B28031\
 Data File: ECD5-02282012.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 28 Feb 2020 15:11
 Operator: MJB
 Sample: 0020823-MSD1
 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: Mar 02 15:28:20 2020
 Quant Method: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title: Instrument: DualECD5
 QLast Update: Wed Feb 26 15:13:42 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj.: 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info: 30m X 0.32mm X 0. Signal #2 Info: 30m X 0.32mm X 0.25um

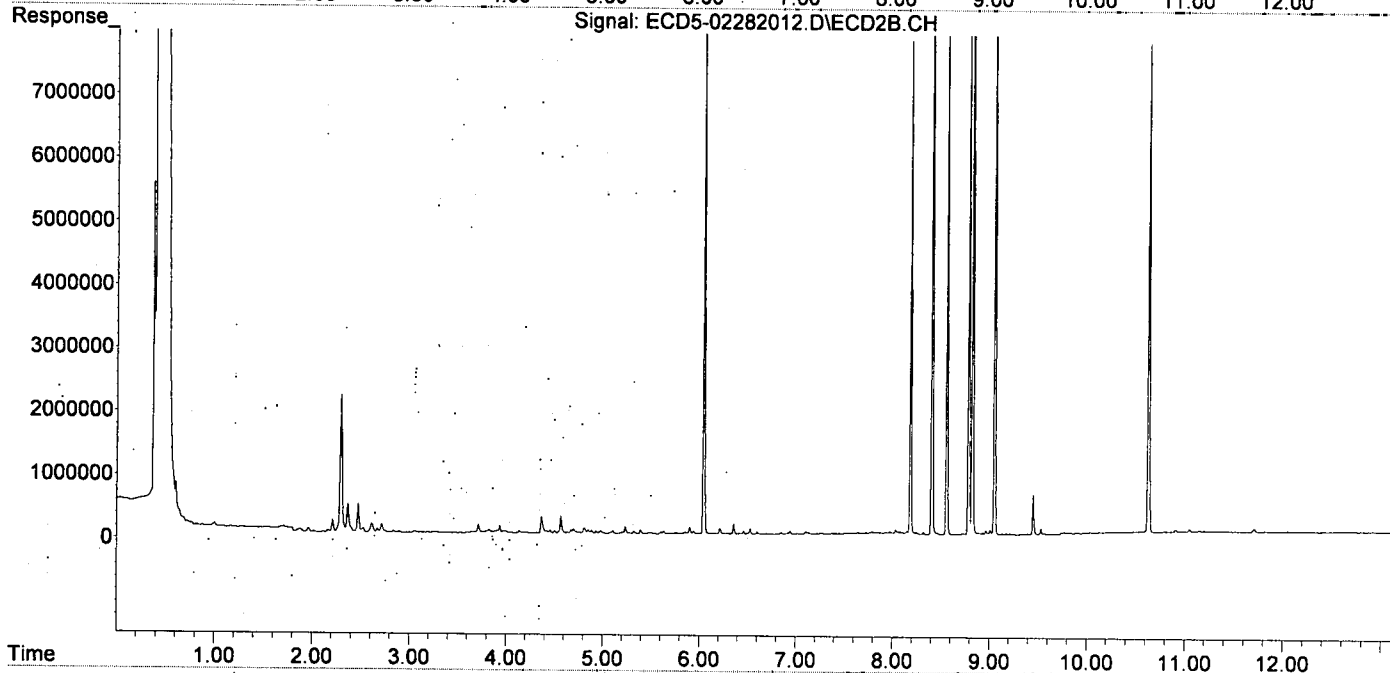
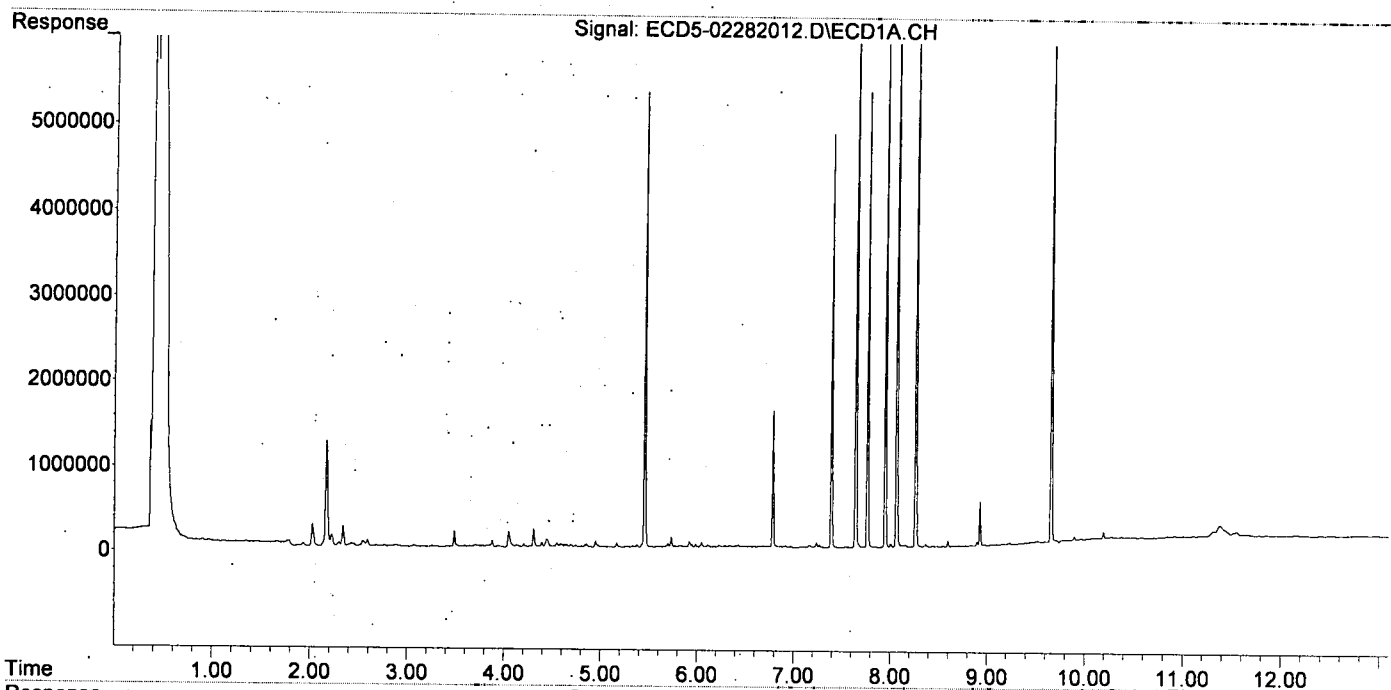
MJB
2/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.046	5309148	8535164	24.702	24.782
22) S DCBP (S)	9.658	10.632	7100388	7675955	44.865	39.577
Target Compounds						
2) a-BHC	5.985	6.622f	54213	9836	0.190	0.045 #
3) g-BHC	6.286	6.943f	38626	48417	0.153	0.118
4) b-BHC	6.340	7.053	39668	5818	0.179	BelowCal #
5) Heptachlor	6.694	7.378f	36796	7340	0.158	0.020 #
6) d-BHC	6.505	7.320f	33833	4674	0.135	BelowCal #
7) Aldrin	6.918	7.627	40527	9643	0.169	0.025 #
8) Heptachlo...	7.392	8.036f	4840707	57604	21.504	0.167 #
9) trans-Chl...	7.475	8.186	27107	7731244	0.119	21.873 #
10) cis-Chlor...	7.598	8.323	30450	30176	0.138	0.090 #
11) Endosulfa...	0.000	8.323f	0	30176	N.D.	0.097 #
12) 4,4'-DDE	7.643	8.408	7963203	12566999	35.324	36.385
13) Dieldrin	0.000	8.560	0	8206078	N.D.	23.690 #
14) Endrin	8.006	8.787	76904	8450210	0.464	36.464 #
15) 4,4'-DDD	8.066	8.825	8689988	12911268	46.636	46.259
16) Endosulfa...	8.158f	8.934	60656	25446	0.128	BelowCal #
17) 4,4'-DDT	8.264	9.053	7967012	11336717	53.525	54.182
18) Endrin Al...	8.493f	9.174	46258	14916	BelowCal	BelowCal
19) Endosulfa...	8.774	9.358	56821	8068	BelowCal	BelowCal
20) Methoxychlor	8.598	9.531	114669	94921	1.463	1.003 #
21) Endrin Ke...	8.973	9.765	69281	26838	0.116	BelowCal #
23) Hexachlor...	3.257	3.714f	17352	141666	0.078	0.326 #
24) Hexachlor...	5.837	6.528	38820	90548	0.173	0.248 #
25) Oxychlorane	0.000	7.978	0	28506	N.D.	0.093 #
26) 2,4'-DDE	7.392	8.186	4840707	7731244	31.734	32.845
27) trans-Non...	7.572	8.252	31051	30324	0.139	0.089 #
28) 2,4'-DDD	7.766	8.560	5346550	8206078	39.021	39.280
29) 2,4'-DDT	7.949	8.787	5901820	8450210	45.641	45.575
30) cis-Nonac...	8.066	8.825	8689988	12911268	34.716	34.380
31) Mirex	8.710	9.765	57293	26838	0.180	BelowCal #
32) Chlordane...	7.506	8.186	30070	7731244	1.212	182.172 #
33) Chlordane...	7.572	8.323	31051	30176	1.128	0.859
34) Chlordane...	8.129	8.965	57065	63249	7.615	5.875
35) Chlordane...	3.784f	3.714f	18620	141666	NoCal	NoCal
36) Toxaphene...	7.572	8.560f	31051	8206078	29.282	2902.160 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.158	8.934	60656	25446	15.092	4.432 #
39) Toxaphene...	8.450f	8.965f	50818	63249	13.006	6.839 #
40) Toxaphene...	8.635	9.174	48038	14916	15.924	2.941 #
41) Toxaphene...	8.710	9.531	57293	94921	14.528	17.771
42) Toxaphene...	3.784f	3.714f	18620	141666	NoCal	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 15:11
 Operator : MJB
 Sample : 0020823-MSD1
 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: Mar 02 15:28:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 15:28
 Operator : MJB
 Sample : 0B28031-CCV3
 Misc : A19K134, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
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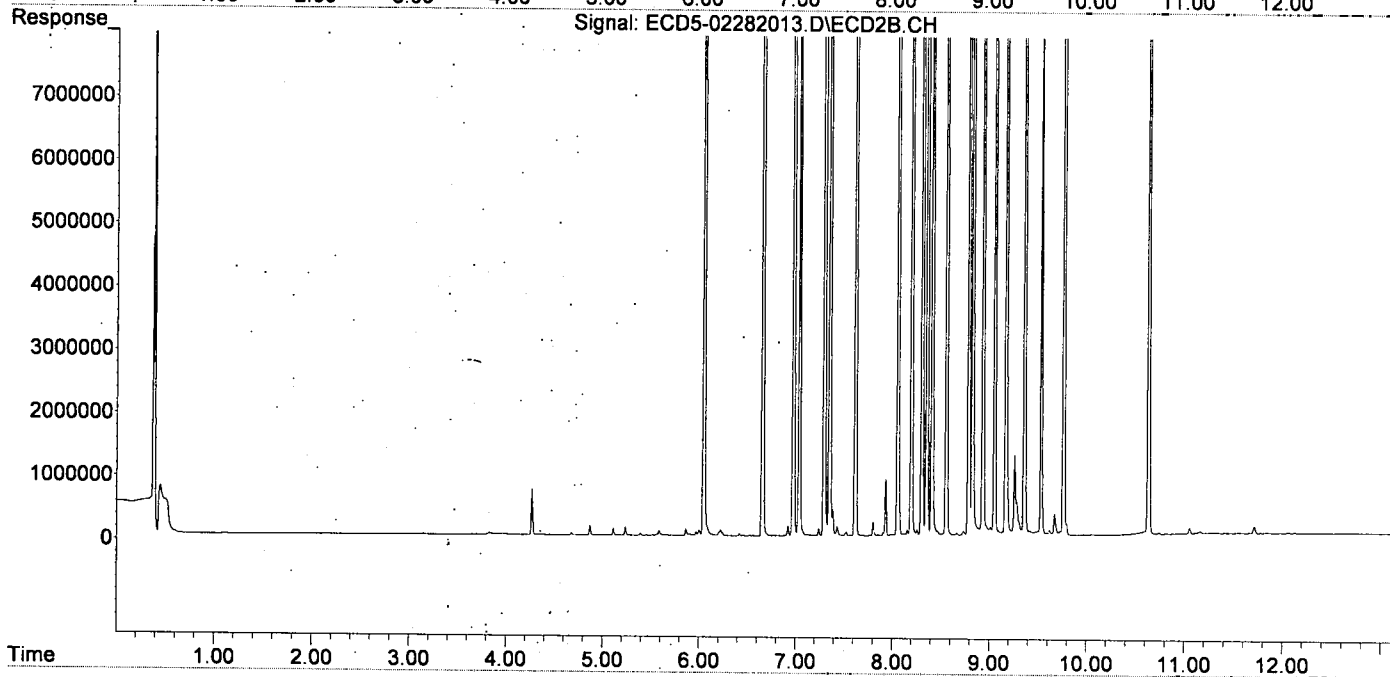
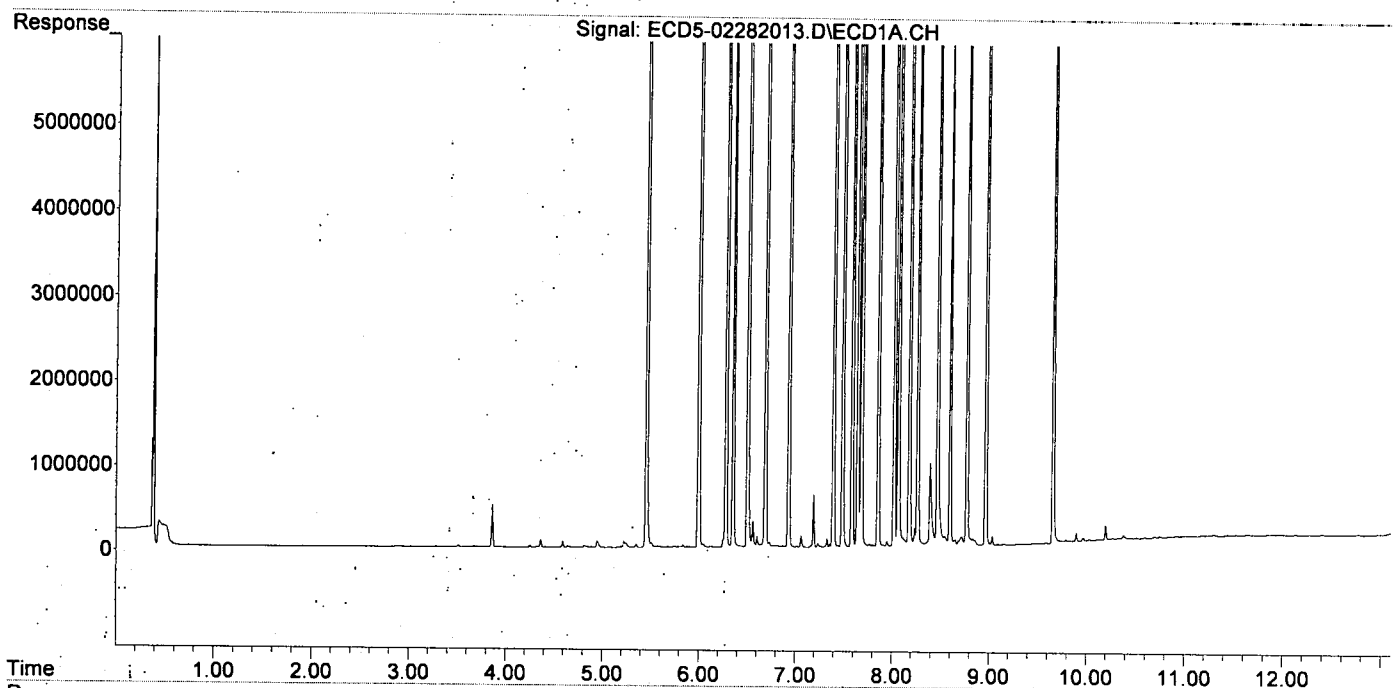
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds.						
1) S TCMX (S)	5.457	6.048	21776709	36512551	101.322	106.015
22) S DCBP (S)	9.659	10.633	16799069	20059856	105.915	103.428
Target Compounds						
2) a-BHC	5.998	6.656	31490639	54354347	110.184	108.620
3) g-BHC	6.281	6.975	27367027	46399557	108.422	113.543
4) b-BHC	6.355	7.037	11312056	17871792	106.477	101.807
5) Heptachlor	6.691	7.351	26095474	41974843	111.934	112.734
6) d-BHC	6.505	7.294	26385248	44710914	104.925	107.520
7) Aldrin	6.932	7.618	25759580	42415915	107.206	111.804
8) Heptachlo...	7.394	8.057	23612128	37866982	104.890	109.761
9) trans-Chl...	7.489	8.197	24184739	39320186	106.285	111.245
10) cis-Chlor...	7.586	8.305	23159129	37066722	104.799	111.162
11) Endosulfa...	7.685	8.356	21396331	34870175	103.886	112.353
12) 4,4'-DDE	7.645	8.410	24285897	39711625	107.731	107.271
13) Dieldrin	7.857	8.558	24541733	39445384	106.484	113.876
14) Endrin	8.023	8.786	18548145	29126196	111.907	112.496
15) 4,4'-DDD	8.067	8.826	20726705	32434772	111.233	107.771
16) Endosulfa...	8.180	8.933	18496510	30883539	108.146	111.955
17) 4,4'-DDT	8.266	9.054	17778570	25772718	112.222	108.499
18) Endrin Al...	8.471	9.170	16314847	25110718	108.401	105.193
19) Endosulfa...	8.773	9.361	16694311	28296277	104.758	115.152
20) Methoxychlor	8.599	9.532	8140752	11559831	105.847	103.877
21) Endrin Ke...	8.968	9.764	20926375	32289549	106.289	112.333
23) Hexachlor...	3.282f	3.696f	6994	6338	0.031	0.015 #
24) Hexachlor...	5.838	6.529	31131	11340	0.138	0.031 #
25) Oxychlorane	7.329	7.979	103572	19533	0.517	0.064 #
26) 2,4'-DDE	7.394	8.197	23612128	39320186	154.794	167.044
27) trans-Non...	7.586	8.258	23159129	96898	103.392	0.285 #
28) 2,4'-DDD	7.770	8.558	33902	39445384	0.247	188.815 #
29) 2,4'-DDT	7.950	8.786	61146	29126196	0.473	130.956 #
30) cis-Nonac...	8.067	8.826	20726705	32434772	82.803	86.366
31) Mirex	8.722	9.764	106193	32289549	0.527	148.145 #
32) Chlordane...	7.489	8.197	24184739	39320186	974.697	926.507
33) Chlordane...	7.586	8.305	23159129	37066722	840.982	1055.506 #
34) Chlordane...	0.000	8.933f	0	30883539	N.D.	2868.430 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.586f	8.558f	23159129	39445384	21839.555	13950.247 #
37) Toxaphene...	7.857	0.000	24541733	0	12460.289	N.D. #
38) Toxaphene...	8.180	8.933	18496510	30883539	4602.225	5378.874
39) Toxaphene...	8.396	9.011f	977172	140324	250.094	15.174 #
40) Toxaphene...	8.654	9.170	71464	25110718	23.689	4950.683 #
41) Toxaphene...	8.722	9.532	106193	11559831	26.927	2164.187 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 15:28
 Operator : MJB
 Sample : 0B28031-CCV3
 Misc : A19K134, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path: C:\msdchem\1\data\2020-02\0B28031\
 Data File: ECD5-02282014.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 28 Feb 2020 15:45
 Operator: MJB
 Sample: 0B28031-CCV4
 Misc: A19J409, 9-42 100 ppb
 ALS Vial: 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:29 2020
 Quant Method: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title: Instrument: DualECD5
 QLast Update: Wed Feb 26 15:13:42 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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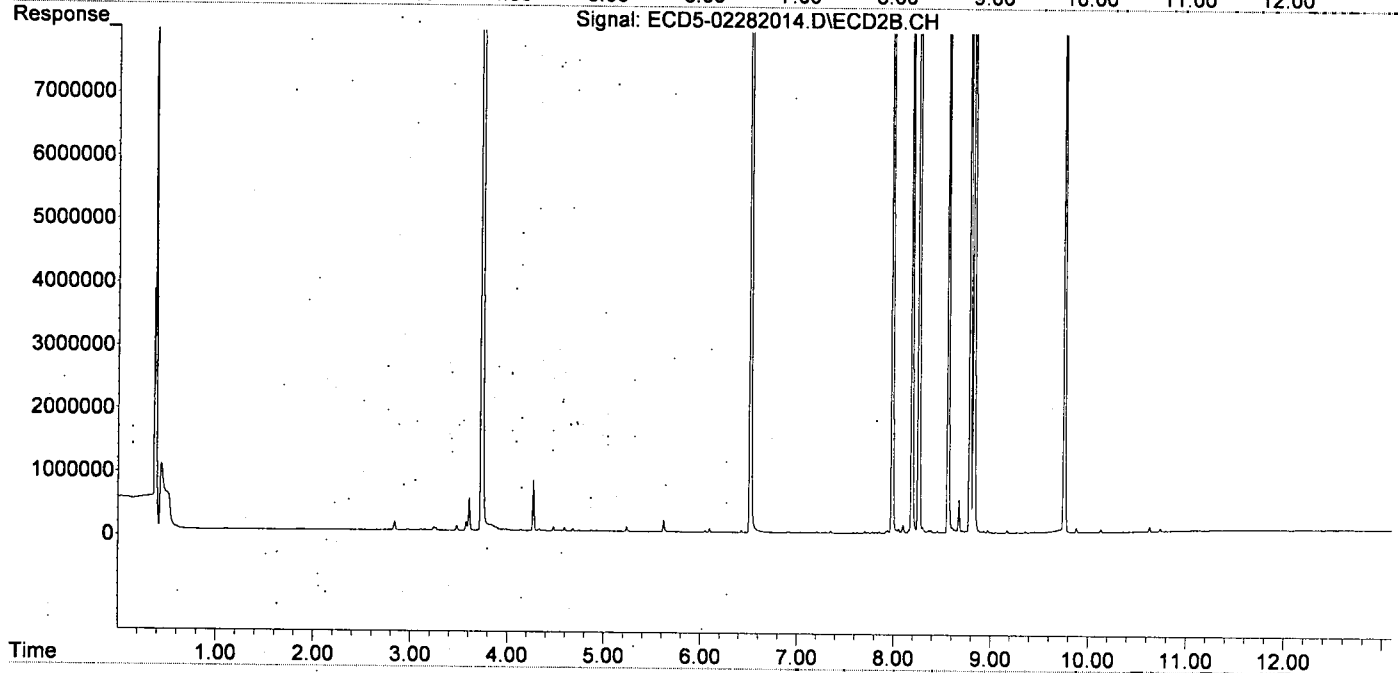
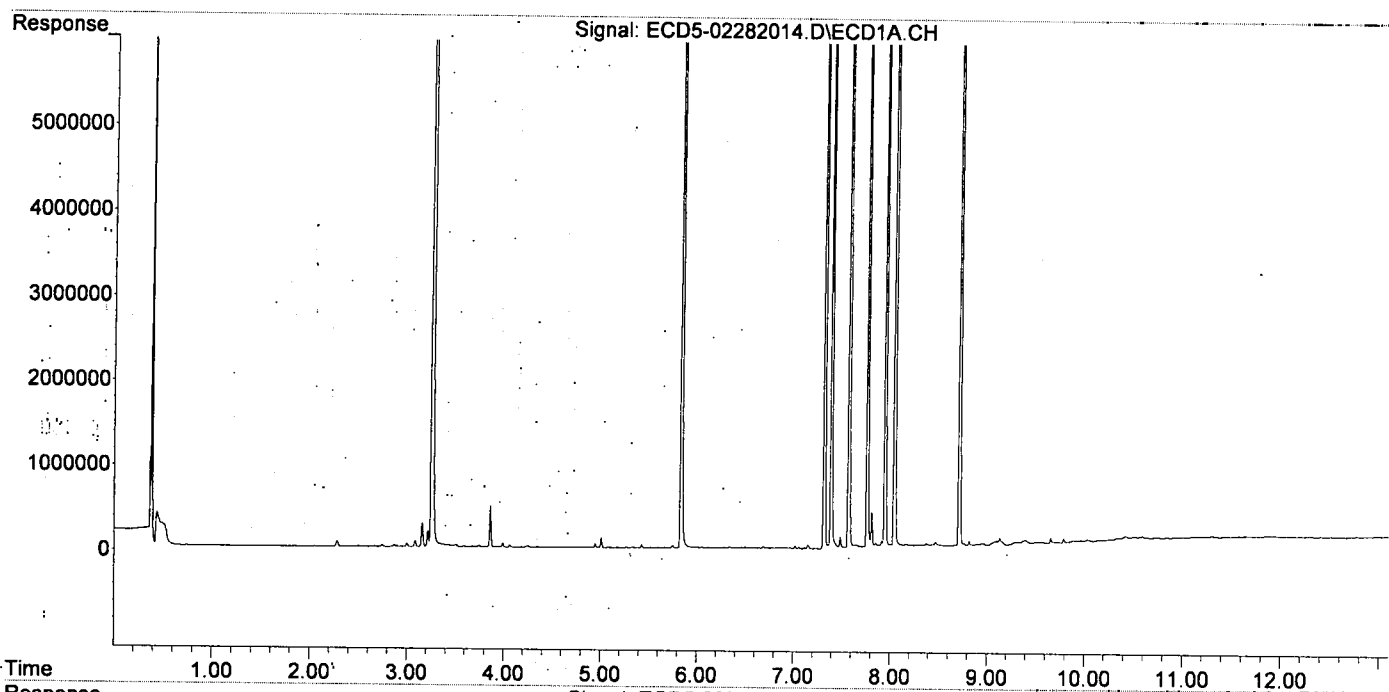
Volume Inj.: 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info: 30m X 0.32mm X 0. Signal #2 Info: 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds:						
1) S TCMX (S)	5.429f	6.050	42644	19768	0.198	0.057 #
22) S DCBP (S)	9.660	10.633	77857	73064	0.243	0.377 #
Target Compounds						
2) a-BHC	5.996	0.000	13314	0	0.047	N.D. #
3) g-BHC	6.290	0.000	11129	0	0.044	N.D. #
4) b-BHC	6.338	7.036	19508	9766	13405.717	BelowCal #
5) Heptachlor	6.691	7.350	27545	30392	0.118	0.082 #
6) d-BHC	6.504	7.293	16154	15236	0.064	BelowCal #
7) Aldrin	6.919	7.628	11106	8483	0.046	0.022 #
8) Heptachlo...	7.394	8.055	14454810	68778	64.212	0.199 #
9) trans-Chl...	7.489	8.188	141640	23362540	0.622	66.098 #
10) cis-Chlor...	7.577	8.303	20993895	86214	95.001	0.259 #
11) Endosulfa...	7.648f	8.363	39931	36874	0.194	0.119 #
12) 4,4'-DDE	7.648	8.384f	39931	45083	0.177	0.168
13) Dieldrin	7.858	8.562	58448	21011567	0.254	60.659 #
14) Endrin	8.048f	8.788	23674411	20600288	142.836	82.957 #
15) 4,4'-DDD	8.048	8.828	23674411	39308650	127.053	127.619
16) Endosulfa...	8.181	8.933	34886	31445	BelowCal	BelowCal
17) 4,4'-DDT	8.265	9.053	24273	7871	0.164	0.126
18) Endrin Al...	8.473	9.170	51354	41832	BelowCal	BelowCal
19) Endosulfa...	8.773	9.360	29359	28101	BelowCal	BelowCal
20) Methoxychlor	8.638f	0.000	9517	0	BelowCal	N.D.
21) Endrin Ke...	8.966	9.758	26330	20148786	BelowCal	73.474
23) Hexachlor...	3.259	3.735	23032002	46070519	103.661	105.865
24) Hexachlor...	5.839	6.516	20647128	35254540	91.764	96.452
25) Oxychlorane	7.322	7.985	19323273	30782496	96.480	100.185
26) 2,4'-DDE	7.394	8.188	14454810	23362540	94.761	99.251
27) trans-Non...	7.577	8.260	20993895	33135531	93.726	97.376
28) 2,4'-DDD	7.767	8.562	13183165	21011567	96.214	100.577
29) 2,4'-DDT	7.951	8.788	13719604	20600288	106.098	98.805
30) cis-Nonac...	8.048	8.828	23674411	39308650	94.579	104.670
31) Mirex	8.719	9.758	14113944	20148786	97.830	96.554
32) Chlordane...	7.489	8.188	141640	23362540	5.708	550.495 #
33) Chlordane...	7.577	8.303	20993895	86214	762.356	2.455 #
34) Chlordane...	8.160f	8.972	36036	40922	4.809	3.801
35) Chlordane...	3.748	3.735	20182	46070519	NoCal	NoCal
36) Toxaphene...	7.577	8.562f	20993895	21011567	19797.694	7430.947 #
37) Toxaphene...	7.858	8.910f	58448	22737	29.675	6.554 #
38) Toxaphene...	8.181	8.910	34886	22737	8.680	3.960 #
39) Toxaphene...	8.379f	8.972	37012	40922	9.473	4.425 #
40) Toxaphene...	8.638	9.170	9517	41832	3.155	8.247 #
41) Toxaphene...	8.719	0.000	14113944	0	3578.838	N.D. #
42) Toxaphene...	3.748	3.735	20182	46070519	NoCal	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 15:45
 Operator : MJB
 Sample : 0B28031-CCV4
 Misc : A19J409, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:29 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 16:03
 Operator : MJB
 Sample : 0B28031-CCB2
 Misc : A20B383
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
3/2/20

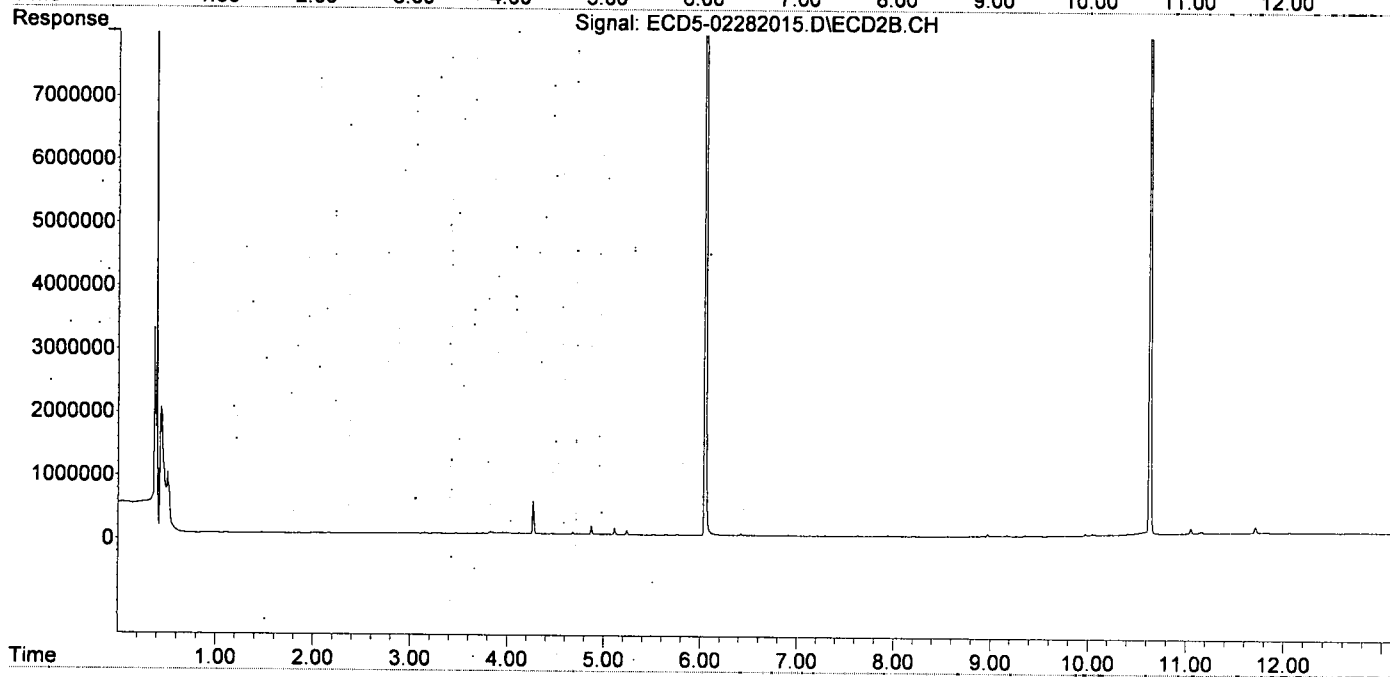
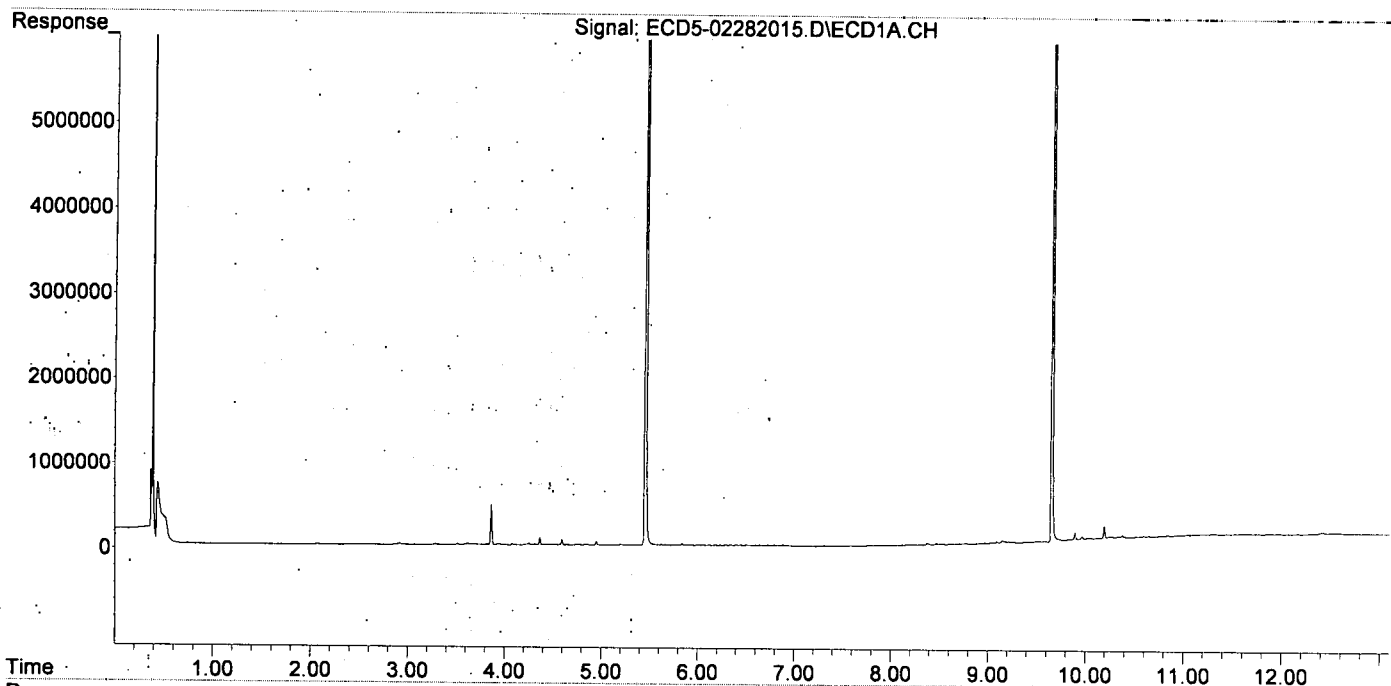
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.457	6.048	20252025	32914914	94.228	95.569	
22) S DCBP (S)	9.659	10.633	14729807	17845464	92.945	92.010	
Target Compounds							
2) a-BHC	5.994	0.000	9720	0	0.034	N.D.	#
3) g-BHC	6.290	0.000	14855	0	0.059	N.D.	#
4) b-BHC	6.340	0.000	18603	0	13405.726	N.D.	#
5) Heptachlor	6.692	0.000	10455	0	0.045	N.D.	#
6) d-BHC	6.504	7.293	13358	7115	0.053	BelowCal	#
7) Aldrin	0.000	7.628	0	10752	N.D.	0.028	#
8) Heptachlo...	7.430f	0.000	3005	0	0.013	N.D.	#
9) trans-Chl...	7.475	8.207	6506	5931	0.029	0.017	#
10) cis-Chlor...	7.582	0.000	4488	0	0.020	N.D.	#
11) Endosulfa...	7.662f	0.000	2525	0	0.012	N.D.	#
12) 4,4'-DDE	7.662	0.000	2525	0	0.011	N.D.	#
13) Dieldrin	7.857	0.000	3288	0	0.014	N.D.	#
14) Endrin	8.017	0.000	3855	0	0.023	N.D.	#
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	#
16) Endosulfa...	8.181	8.933	7052	7504	BelowCal	BelowCal	
17) 4,4'-DDT	8.231f	0.000	4023	0	0.020	N.D.	#
18) Endrin Al...	8.473	9.170	19597	20755	BelowCal	BelowCal	
19) Endosulfa...	8.774	9.360	15792	16158	BelowCal	BelowCal	
20) Methoxychlor	8.611	0.000	6588	0	BelowCal	N.D.	#
21) Endrin Ke...	8.970	9.762	11942	8399	BelowCal	BelowCal	
23) Hexachlor...	3.281f	3.750	12607	12421	0.057	0.029	#
24) Hexachlor...	5.839	6.530	31280	8170	0.139	0.022	#
25) Oxychlorane	7.311	0.000	12998	0	0.065	N.D.	#
26) 2,4'-DDE	7.430f	8.207	3005	5931	0.020	0.025	#
27) trans-Non...	7.582	0.000	4488	0	0.020	N.D.	#
28) 2,4'-DDD	7.775	0.000	4062	0	0.030	N.D.	#
29) 2,4'-DDT	7.923f	0.000	4900	0	0.038	N.D.	#
30) cis-Nonac...	8.017f	0.000	3855	0	0.015	N.D.	#
31) Mirex	8.713	9.762	10513	8399	BelowCal	BelowCal	
32) Chlordane...	7.475	8.207	6506	5931	0.262	0.140	#
33) Chlordane...	7.582	0.000	4488	0	0.163	N.D.	#
34) Chlordane...	8.123	8.972	4579	38552	0.611	3.581	#
35) Chlordane...	3.745	3.750	10955	12421	NoCal	NoCal	
36) Toxaphene...	7.582	0.000	4488	0	4.232	N.D.	#
37) Toxaphene...	7.857	8.911f	3288	9317	1.669	2.686	#
38) Toxaphene...	8.181	8.911	7052	9317	1.755	1.623	#
39) Toxaphene...	8.377f	8.972	25788	38552	6.600	4.169	#
40) Toxaphene...	8.637	9.170	5582	20755	1.850	4.092	#
41) Toxaphene...	8.713	0.000	10513	0	2.666	N.D.	#
42) Toxaphene...	3.745	3.750	10955	12421	NoCal	NoCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 16:03
 Operator : MJB
 Sample : 0B28031-CCB2
 Misc : A20B383
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 16:20
 Operator : MJB
 Sample : AOB0681-01RE162
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2); Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:45:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

R-04

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

WB 3/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.456	6.046	3539910	5884752	16.470	17.087
22) S DCBP (S)	9.658	10.633	3688181	4569752	23.228	23.561
Target Compounds						
2) a-BHC	5.984	0.000	23489	0	0.082	N.D. #
3) g-BHC	6.285	6.998f	20485	16485	0.081	0.040 #
4) b-BHC	6.372	7.051f	15928	36393	13405.751	0.040 #
5) Heptachlor	6.708	7.377f	27533	28260	0.118	0.076 #
6) d-BHC	6.493	7.317f	28676	15086	0.114	BelowCal #
7) Aldrin	6.949	7.627	9536	19153	0.040	0.050 #
8) Heptachlo...	7.369f	8.035f	29315	45079	0.130	0.131
9) trans-Chl...	7.467f	8.200	34690	59571	0.152	0.169
10) cis-Chlor...	7.601	8.306	32066	21413	0.145	0.064 #
11) Endosulfa...	7.672	8.329f	16592	43199	0.081	0.139 #
12) 4,4'-DDE	7.655	8.419	19681	27300	0.087	0.114 #
13) Dieldrin	7.848	8.540	20502	136214	0.089	0.393 #
14) Endrin	8.039	8.793	90558	10830	0.546	0.018 #
15) 4,4'-DDD	8.039f	8.825	90558	68526	0.486	0.257 #
16) Endosulfa...	8.170	8.922	73492	147920	0.205	0.424 #
17) 4,4'-DDT	8.260	9.061	205844	242233	1.458	1.412m
18) Endrin Al...	8.451f	9.180	48971	330157	BelowCal	1.145
19) Endosulfa...	8.772	9.375	1117114	350604	6.750	1.235 #
20) Methoxychlor	8.598	9.531	48215	94979	0.511	1.003 #
21) Endrin Ke...	8.999f	9.756	43083	218108	BelowCal	0.683
23) Hexachlor...	3.257	3.748	12367	14475	0.056	0.033 #
24) Hexachlor...	5.860f	6.528	22126	48176	0.098	0.132 #
25) Oxychlorthane	7.307	7.976	43894	295961	0.219	0.963 #
26) 2,4'-DDE	7.369f	8.200	29315	59571	0.192	0.253 #
27) trans-Non...	7.601f	8.257	32066	40641	0.143	0.119
28) 2,4'-DDD	7.779	8.540f	56121	136214	0.410	0.652 #
29) 2,4'-DDT	7.945	8.793	88809	10830	0.687m	0.097 #
30) cis-Nonac...	8.039	8.825	90558	68526	0.362	0.182 #
31) Mirex	8.686f	9.756	69648	218108	0.267	0.986 #
32) Chlordane...	7.467f	8.200	34690	59571	1.398	1.404
33) Chlordane...	7.601	8.306	32066	21413	1.164	0.610 #
34) Chlordane...	8.142	8.966	74855	41420	9.989	3.847 #
35) Chlordane...	3.782	3.748	12080	14475	NoCal	NoCal
36) Toxaphene...	7.540f	8.540	31594	136214	29.794	48.173 #
37) Toxaphene...	7.848	8.886	20502	39552	10.409	11.401
38) Toxaphene...	8.170	8.922	73492	147920	18.286	25.763 #
39) Toxaphene...	8.398	8.989	58389	42715	14.944	4.619 #
40) Toxaphene...	8.645	9.180	481645	330157	159.657	65.092 #
41) Toxaphene...	8.686f	9.531	69648	94979	17.661	17.782
42) Toxaphene...	3.782f	3.748	12080	14475	NoCal	NoCal

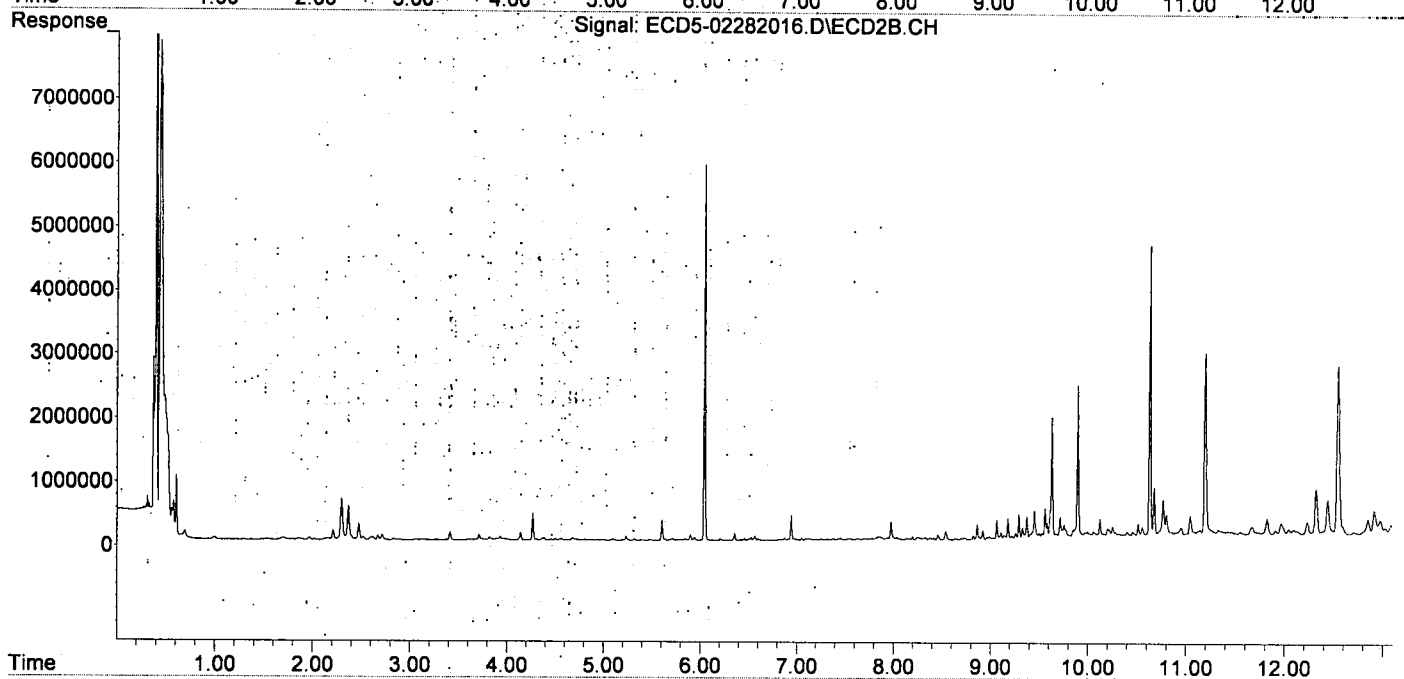
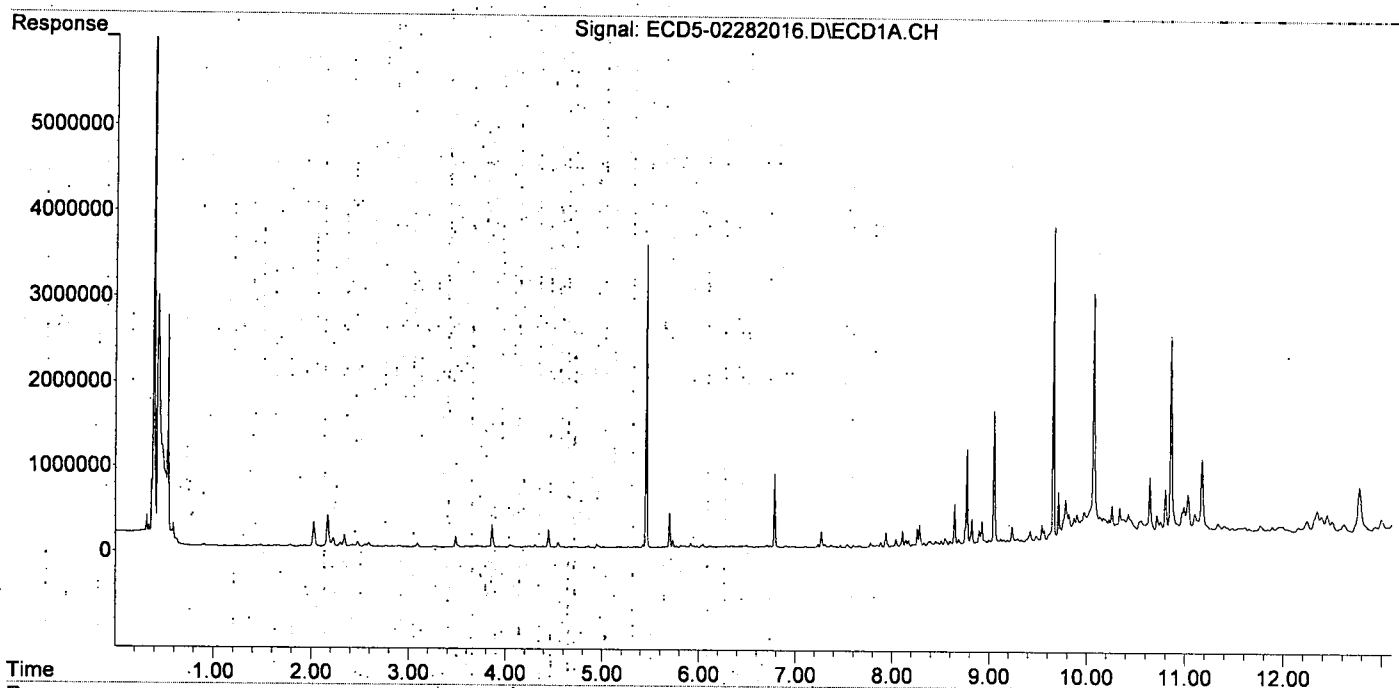
MDL-MPL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 16:20
Operator : MJB
Sample : A0B0681-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:45:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

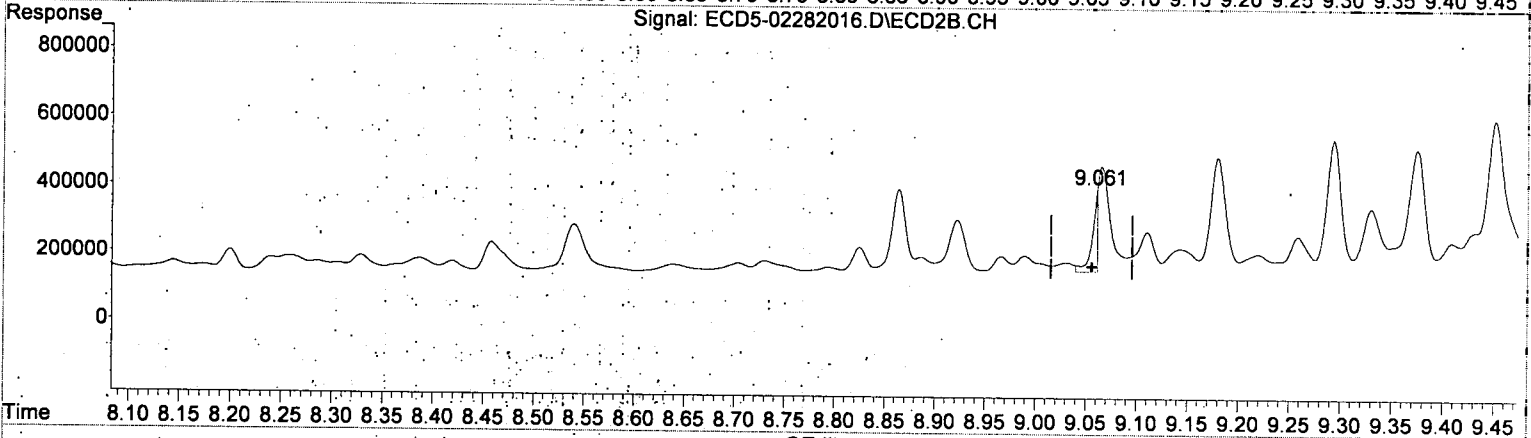
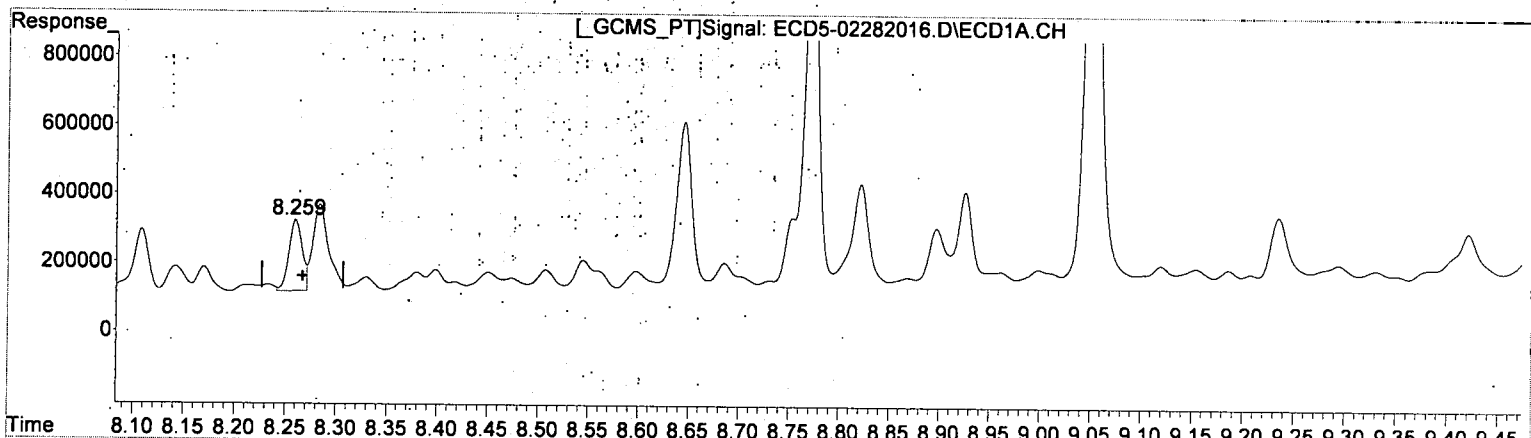


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 16:20
Operator : MJB
Sample : A0B0681-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:37 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.260min 1.458 ng/mL
response 205844

MJB
3/2/20

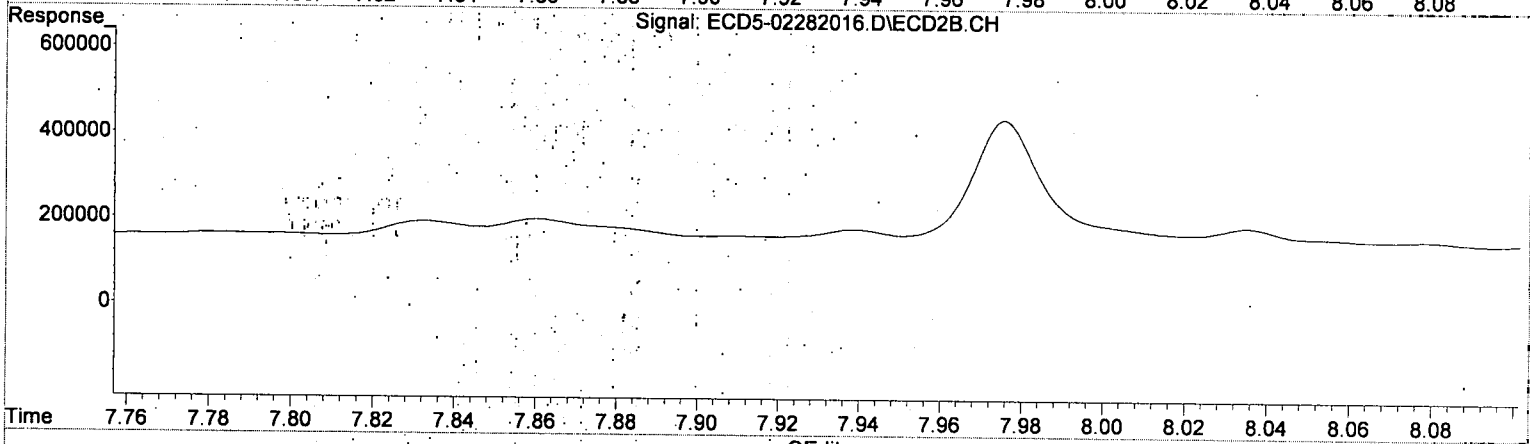
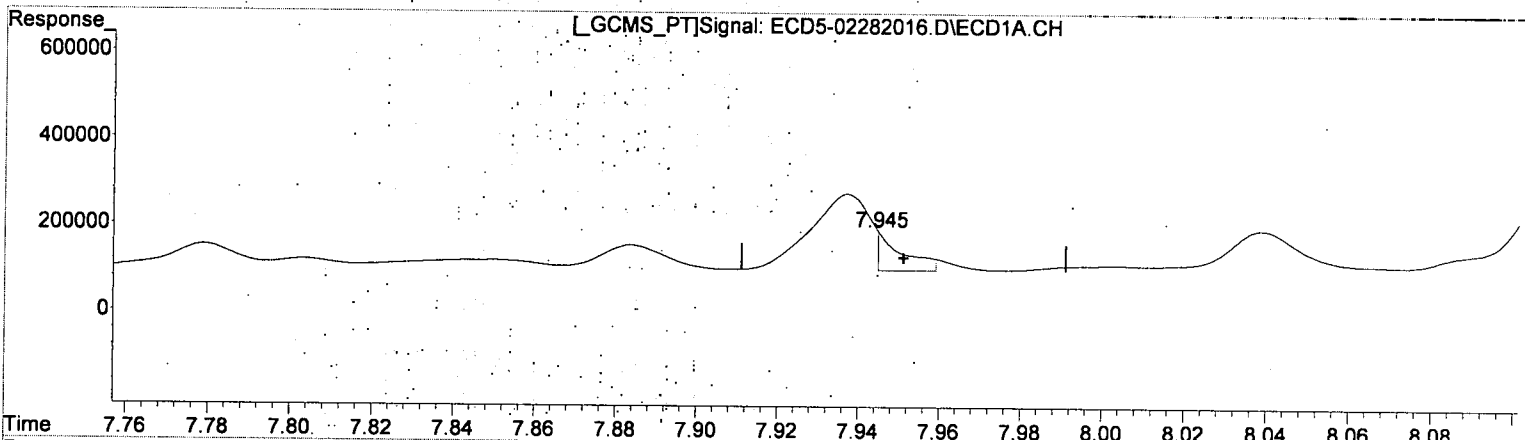
(17) 4,4'-DDT #2
9.061min 1.412 ng/mL (m) *MJB*
response 242233

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 16:20
Operator : MJB
Sample : A0B0681-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:37 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
7.945min 0.687 ng/mL(m)
response 88809

MJB 3/2/20

(29) 2,4'-DDT #2
8.793min 0.097 ng/mL
response 10830

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 16:20
 Operator : MJB
 Sample : A0B0681-01RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

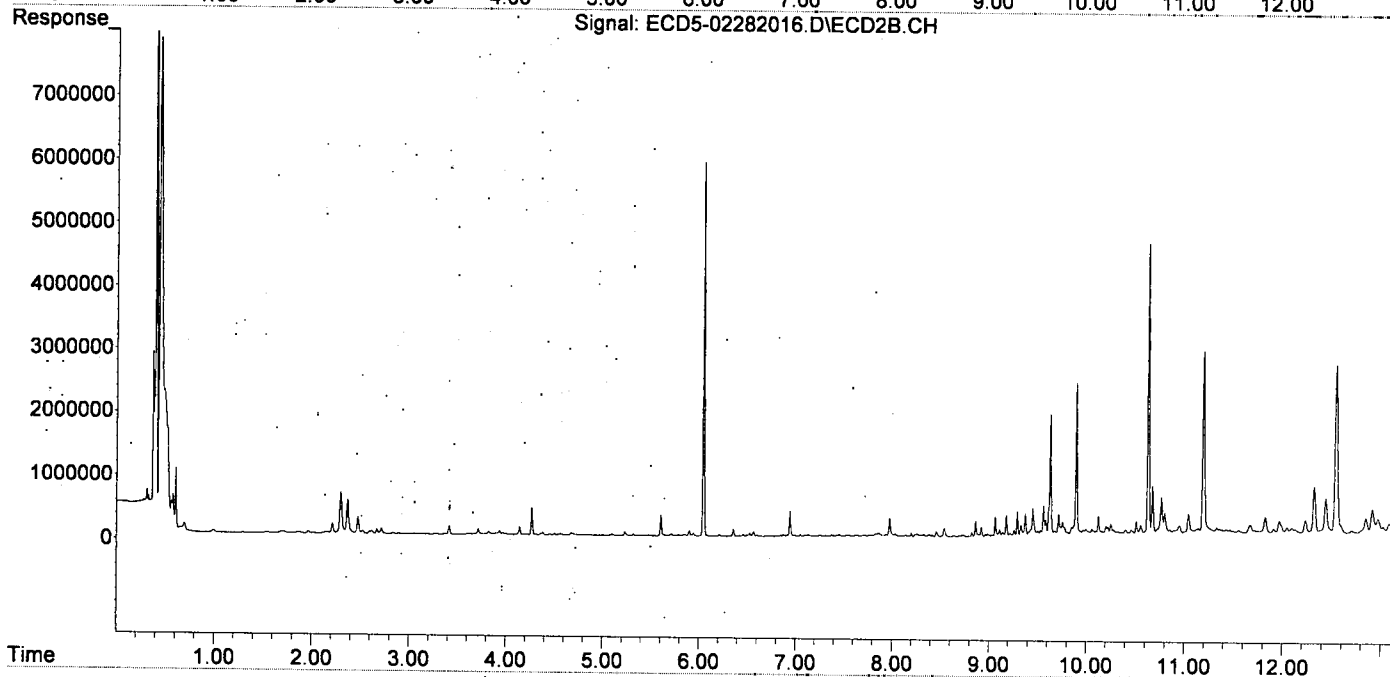
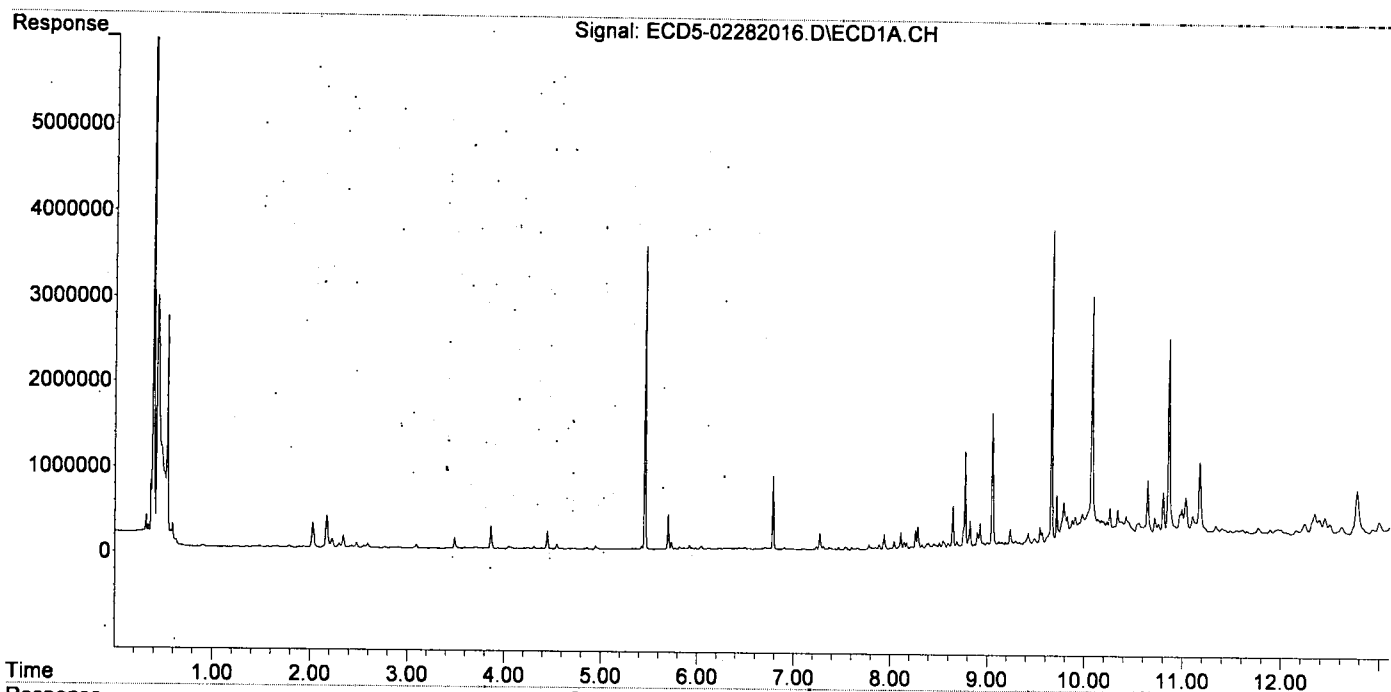
MJ
MJB
2/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.456	6.046	3539910	5884752	16.470	17.087
2) S DCBP (S)	9.658	10.633	3688181	4569752	23.228	23.561
Target Compounds						
2) a-BHC	5.984	0.000	23489	0	0.082	N.D. #
3) g-BHC	6.285	6.998f	20485	16485	0.081	0.040 #
4) b-BHC	6.372	7.051	15928	36393	13405.751	0.040 #
5) Heptachlor	6.708	7.377f	27533	28260	0.118	0.076 #
6) d-BHC	6.493	7.317f	28676	15086	0.114	BelowCal #
7) Aldrin	6.949	7.627	9536	19153	0.040	0.050 #
8) Heptachlo...	7.369f	8.035f	29315	45079	0.130	0.131
9) trans-Chl...	7.467f	8.200	34690	59571	0.152	0.169
10) cis-Chlor...	7.601	8.306	32066	21413	0.145	0.064 #
11) Endosulfa...	7.672	8.329f	16592	43199	0.081	0.139 #
12) 4,4'-DDE	7.655	8.419	19681	27300	0.087	0.114 #
13) Dieldrin	7.848	8.540	20502	136214	0.089	0.393 #
14) Endrin	8.039	8.793	90558	10830	0.546	0.018 #
15) 4,4'-DDD	8.039f	8.825	90558	68526	0.486	0.257 #
16) Endosulfa...	8.170	8.922	73492	147920	0.205	0.424 #
17) 4,4'-DDT	8.260	9.065	205844	303908	1.458	1.749
18) Endrin Al...	8.451f	9.180	48971	330157	BelowCal	1.145
19) Endosulfa...	8.772	9.375	1117114	350604	6.750	1.235 #
20) Methoxychlor	8.598	9.531	48215	94979	0.511	1.003 #
21) Endrin Ke...	8.999f	9.756	43083	218108	BelowCal	0.683
23) Hexachlor...	3.257	3.748	12367	14475	0.056	0.033 #
24) Hexachlor...	5.860f	6.528	22126	48176	0.098	0.132 #
25) Oxychlorane	7.307	7.976	43894	295961	0.219	0.963 #
26) 2,4'-DDE	7.369f	8.200	29315	59571	0.192	0.253 #
27) trans-Non...	7.601f	8.257	32066	40641	0.143	0.119
28) 2,4'-DDD	7.779	8.540f	56121	136214	0.410	0.652 #
29) 2,4'-DDT	7.937	8.793	174084	10830	1.346	0.097 #
30) cis-Nonac...	8.039	8.825	90558	68526	0.362	0.182 #
31) Mirex	8.686f	9.756	69648	218108	0.267	0.986 #
32) Chlordane...	7.467f	8.200	34690	59571	1.398	1.404
33) Chlordane...	7.601	8.306	32066	21413	1.164	0.610 #
34) Chlordane...	8.142	8.966	74855	41420	9.989	3.847 #
35) Chlordane...	3.782	3.748	12080	14475	NoCal	NoCal
36) Toxaphene...	7.540f	8.540	31594	136214	29.794	48.173 #
37) Toxaphene...	7.848	8.886	20502	39552	10.409	11.401
38) Toxaphene...	8.170	8.922	73492	147920	18.286	25.763 #
39) Toxaphene...	8.398	8.989	58389	42715	14.944	4.619 #
40) Toxaphene...	8.645	9.180	481645	330157	159.657	65.092 #
41) Toxaphene...	8.686f	9.531	69648	94979	17.661	17.782
42) Toxaphene...	3.782f	3.748	12080	14475	NoCal	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 16:20
 Operator : MJB
 Sample : A0B0681-01RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 17:29
 Operator : MJB
 Sample : A0B0681-02RE165
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:50:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

R-04

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

*MJB
3/2/20*

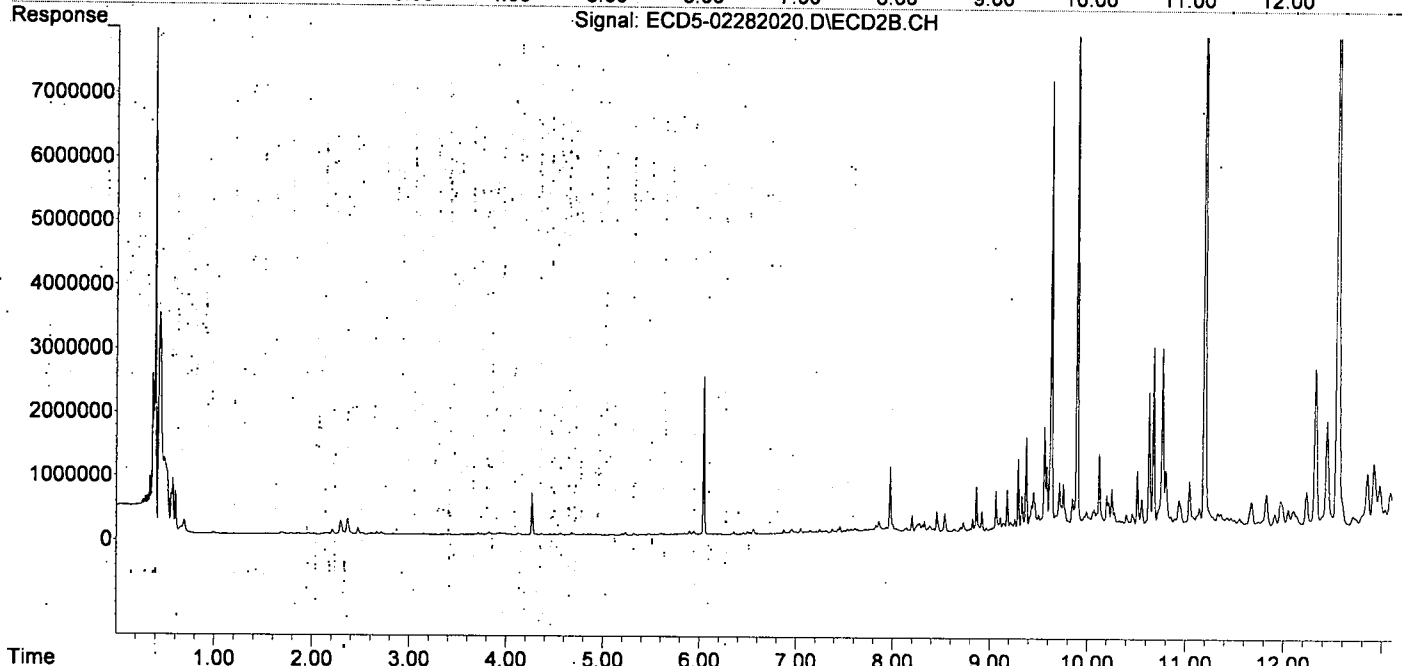
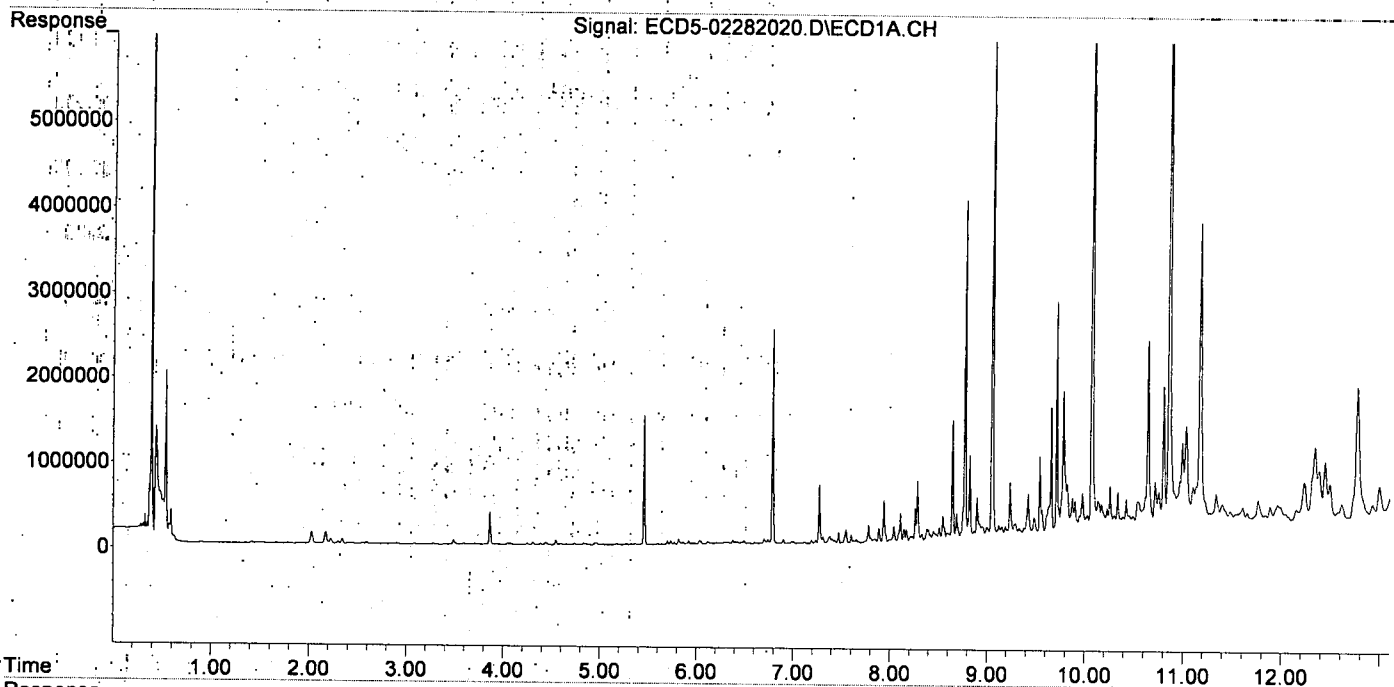
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.047	1490356	2483301	6.934	7.210
22) S DCBP (S)	9.657	10.633	1462920	2130697	9.072	10.986
Target Compounds						
2) a-BHC	5.983	6.649	18580	11472	0.065	0.049
3) g-BHC	6.304f	6.959	22456	73736	0.089	0.180 #
4) b-BHC	6.375	7.050	49007	83371	0.266	0.323
5) Heptachlor	6.700	7.355	55525	18489	0.238	0.050 #
6) d-BHC	6.492	7.280	42256	32926	0.168	0.016 #
7) Aldrin	6.947	7.611	10904	76503	0.045	0.202 #
8) Heptachlo...	7.406	0.000	50159	0	0.223	N.D. #
9) trans-Chl...	7.470f	8.202	124156	263140	0.546	0.744 #
10) cis-Chlor...	7.600	8.308	92782	114695	0.420	0.344
11) Endosulfa...	7.652f	8.329f	41197	168623	0.200	0.543 #
12) 4,4'-DDE	7.652	8.396	41197	67156	0.183	0.234m#
13) Dieldrin	7.842	8.539f	34198	280024	0.148	0.808 #
14) Endrin	8.040	8.777	175412	14275	1.058	0.033 #
15) 4,4'-DDD	8.040f	8.825	175412	199987	0.941	0.756
16) Endosulfa...	8.170	8.920	129393	306102	0.541	1.084 #
17) 4,4'-DDT	8.260	9.060	376434	471780	2.670m	2.663m
18) Endrin Al...	8.451f	9.180	95640	636760	0.187	2.582 #
19) Endosulfa...	8.773	9.374	3924187	1457813	24.684	6.324 #
20) Methoxychlor	8.590	9.561f	70385	1619591	0.829	17.162 #
21) Endrin Ke...	8.951	9.755	119674	708789	0.384	2.652 #
23) Hexachlor...	3.256	3.749	7682	16844	0.035	0.039
24) Hexachlor...	5.860f	6.527	31380	37234	0.139	0.102 #
25) Oxychlordane	7.307	7.975	73500	1027810	0.367	3.345 #
26) 2,4'-DDE	7.381	8.195	76879	168422	0.504m	0.716m#
27) trans-Non...	7.600f	8.257	92782	122112	0.414	0.359
28) 2,4'-DDD	7.775	8.552	164227	97456	1.199m	0.466m#
29) 2,4'-DDT	7.944	8.800	268201	39705	2.074m	0.271m#
30) cis-Nonac...	8.040	8.825	175412	199987	0.701	0.533
31) Mirex	8.687f	9.755	281337	708789	1.769	3.547 #
32) Chlordane...	7.470f	8.202	124156	263140	5.004	6.200
33) Chlordane...	7.600	8.308	92782	114695	3.369	3.266
34) Chlordane...	8.145	8.965	136044	46271	18.154	4.298 #
35) Chlordane...	0.000	3.749	0	16844	N.D.	NoCal
36) Toxaphene...	7.546	8.539	153589	280024	144.837	99.033 #
37) Toxaphene...	7.842	8.884	34198	101493	17.363	29.256 #
38) Toxaphene...	8.170	8.920	129393	306102	32.195	53.313 #
39) Toxaphene...	8.381f	9.005	127396	33702	32.605	3.644 #
40) Toxaphene...	8.646	9.180	1368568	636760	453.658	125.540 #
41) Toxaphene...	8.687f	9.561	281337	1619591	71.338	303.214 #
42) Toxaphene...	0.000	3.749	0	16844	N.D.	NoCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 17:29
Operator : MJB
Sample : A0B0681-02RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:50:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualeCD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

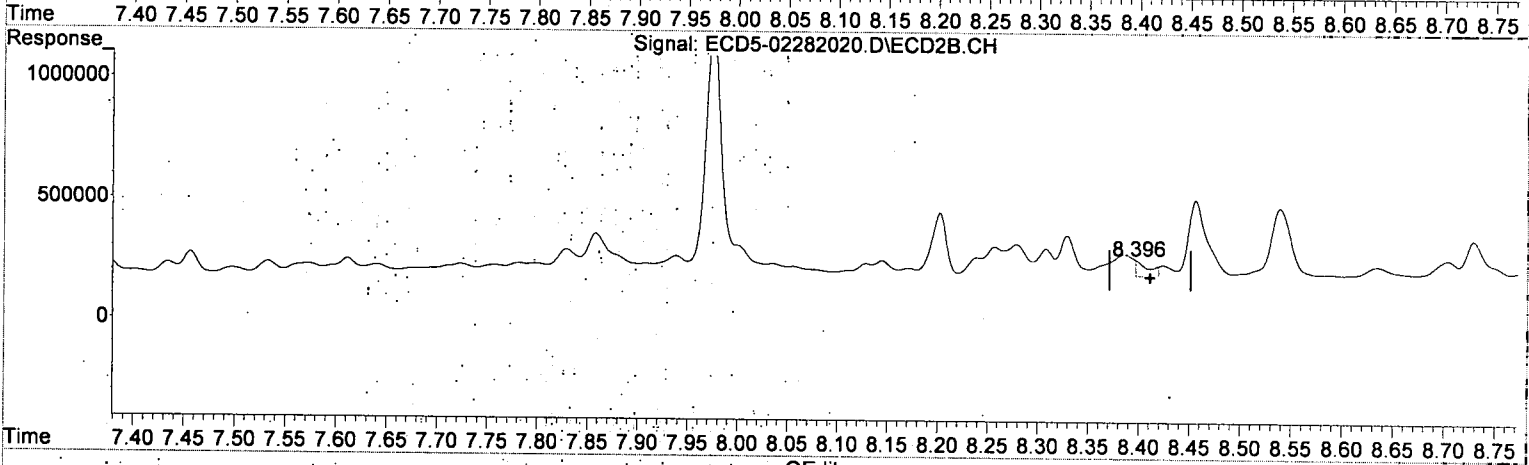
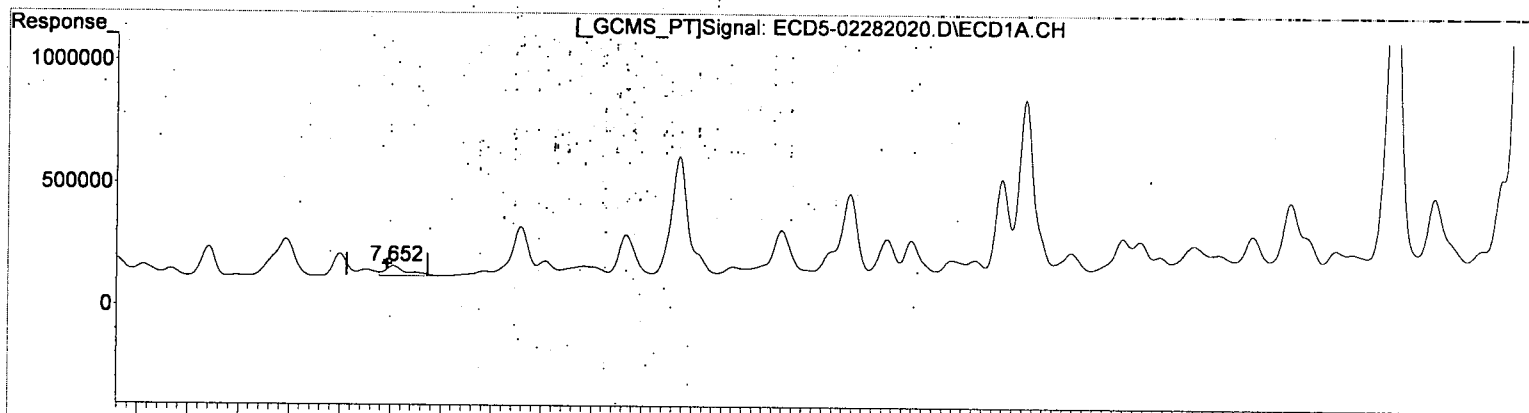


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 17:29
Operator : MJB
Sample : A0B0681-02RE105
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualeCD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(12) 4,4'-DDE
7.652min 0.183 ng/mL
response 41197

MJB
2/28/20

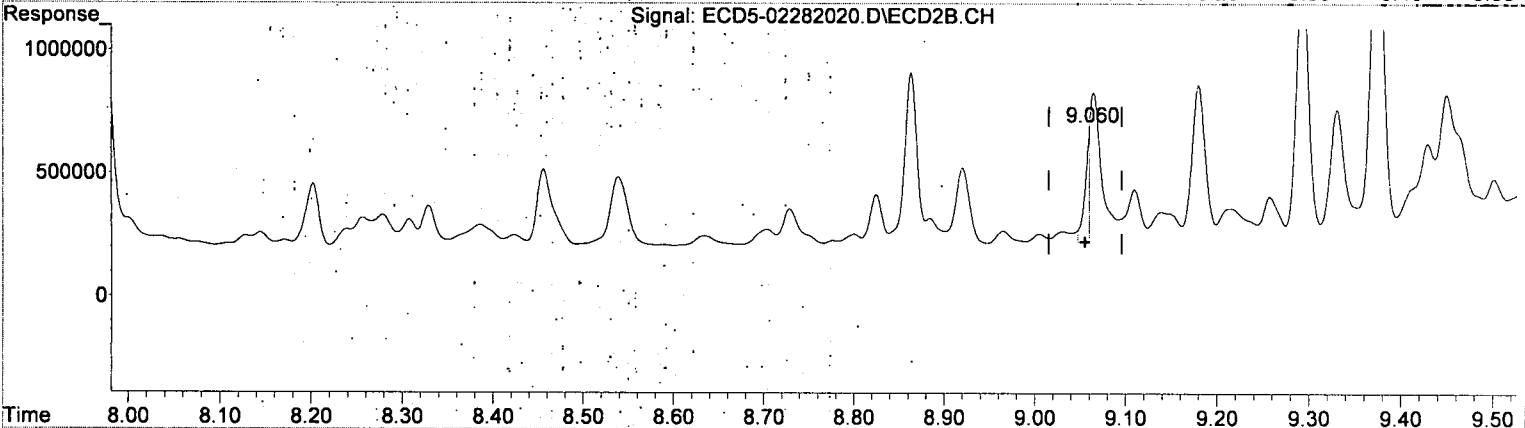
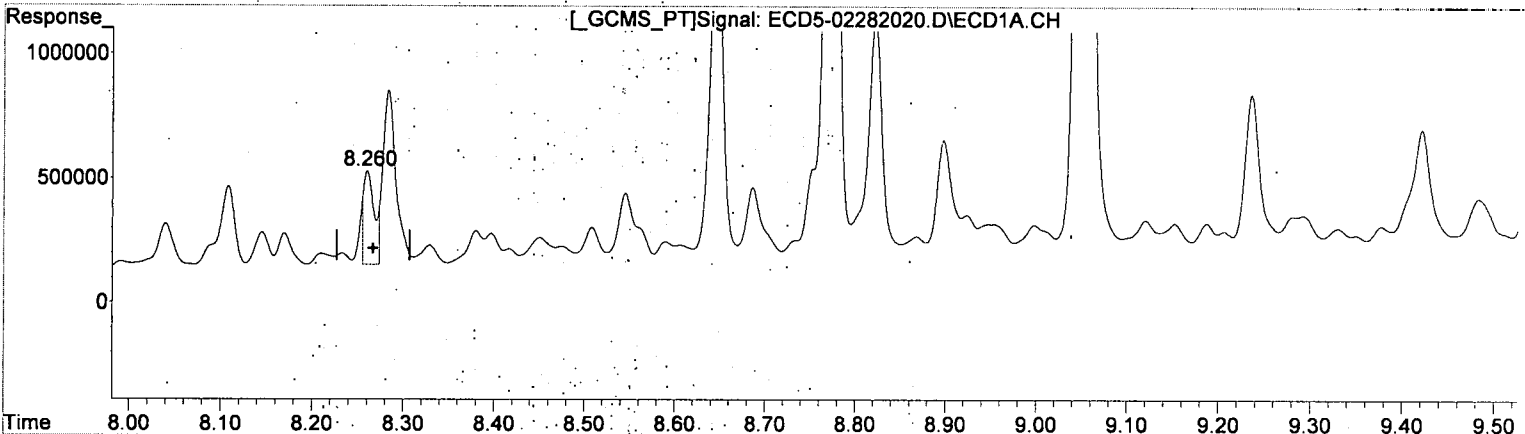
(12) 4,4'-DDE #2
8.396min 0.234 ng/mL (m)
response 67156

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 17:29
Operator : MJB
Sample : A0B0681-02RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



QEdit

(17) 4,4'-DDT
8.260min 2.670 ng/mL (m)
response 376434

MS
2/2/20

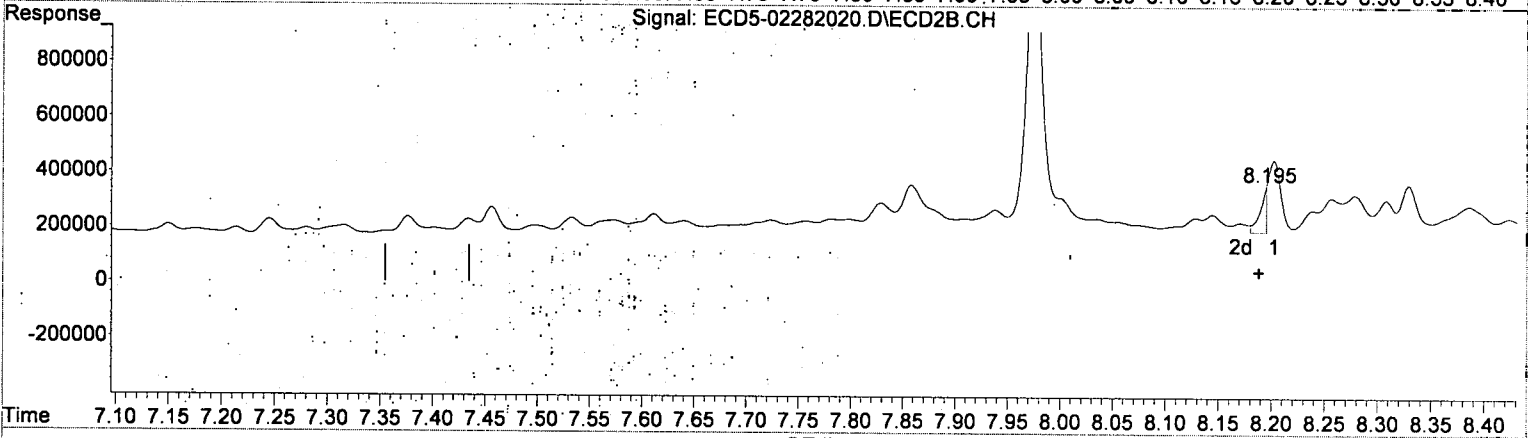
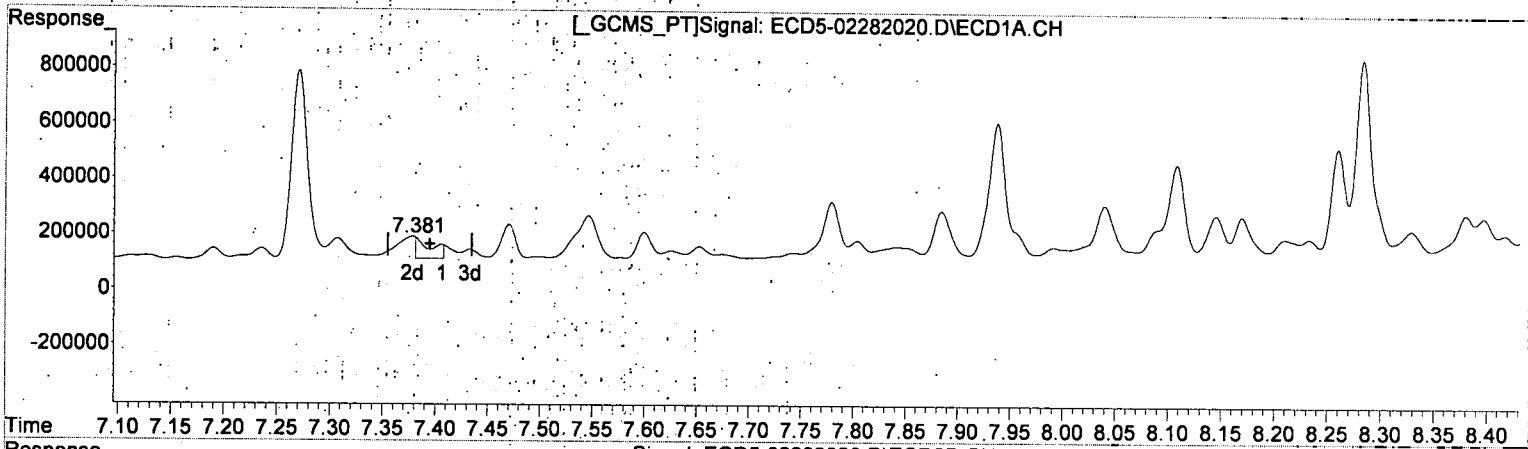
(17) 4,4'-DDT #2
9.060min 2.663 ng/mL (m) 2-02
response 471780

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 17:29
Operator : MJB
Sample : A0B0681-02RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx: Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



QEdit

(26) 2,4'-DDE
7.381min 0.504 ng/mL (m)
response 76879

MB
3/2/20

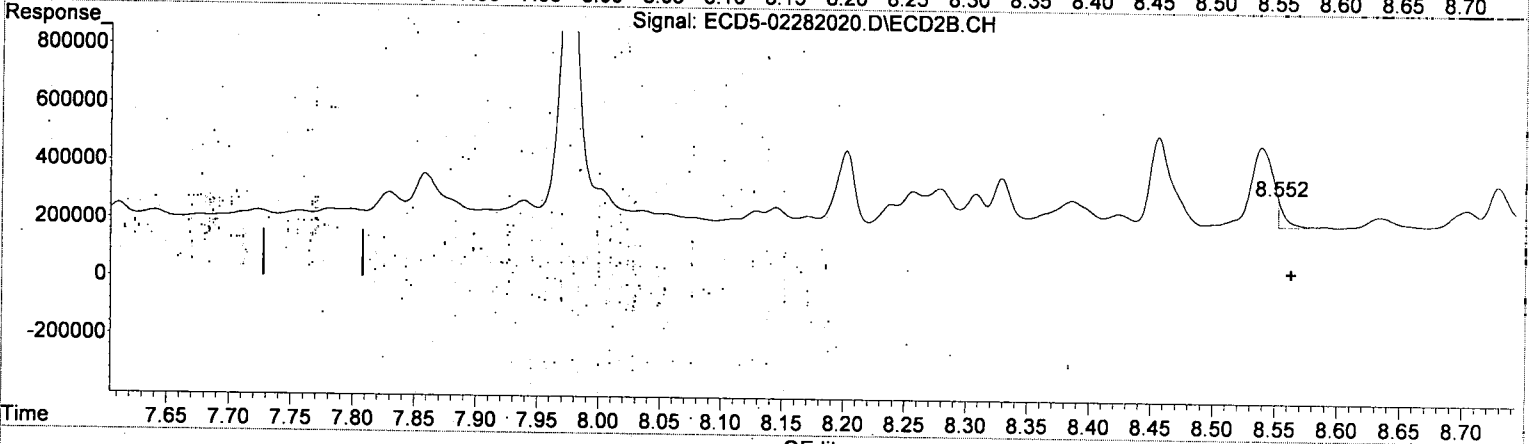
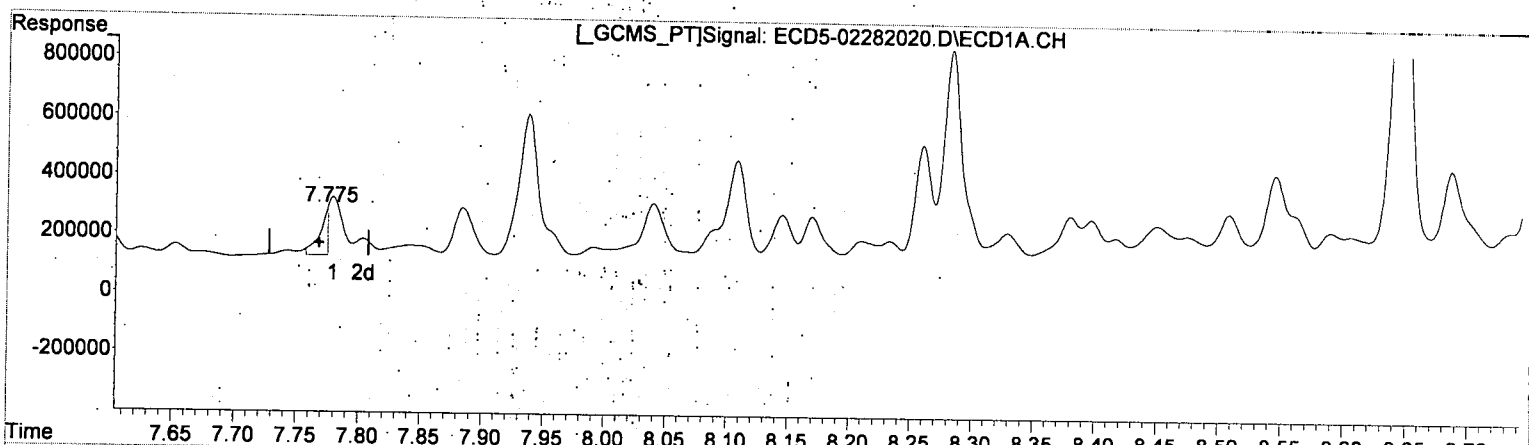
(26) 2,4'-DDE #2
8.195min 0.716 ng/mL (m)
response 168422

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 17:29
Operator : MJB
Sample : A0B0681-02RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD

7.775min 1.199 ng/mL

response 164227

MJB
3/2/20

(28) 2,4'-DDD #2

8.552min 0.466 ng/mL

response 97456

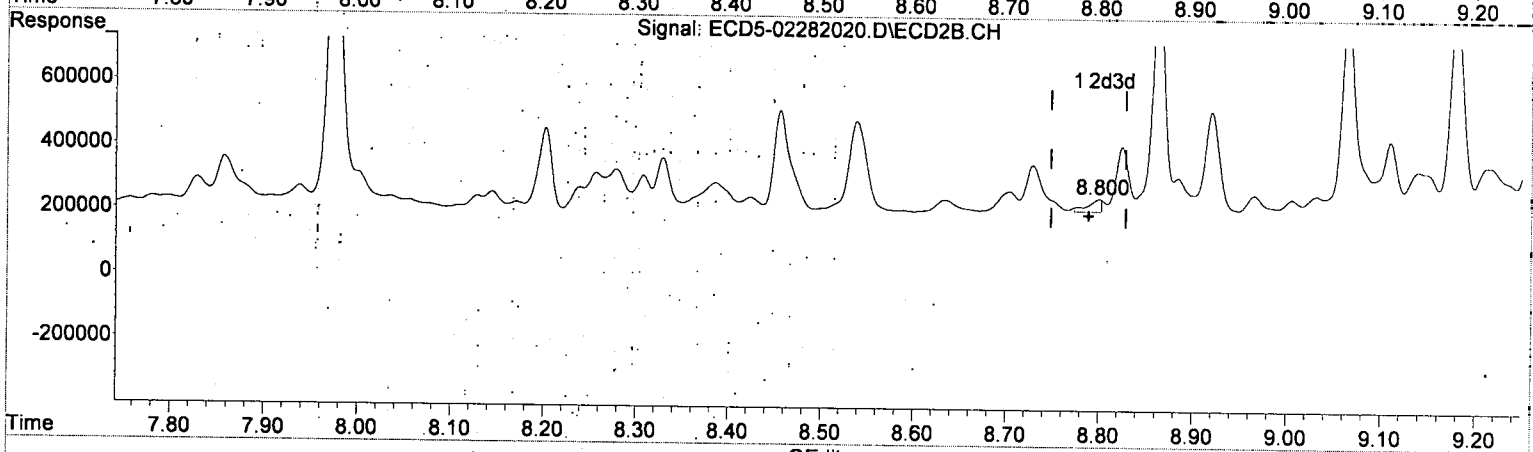
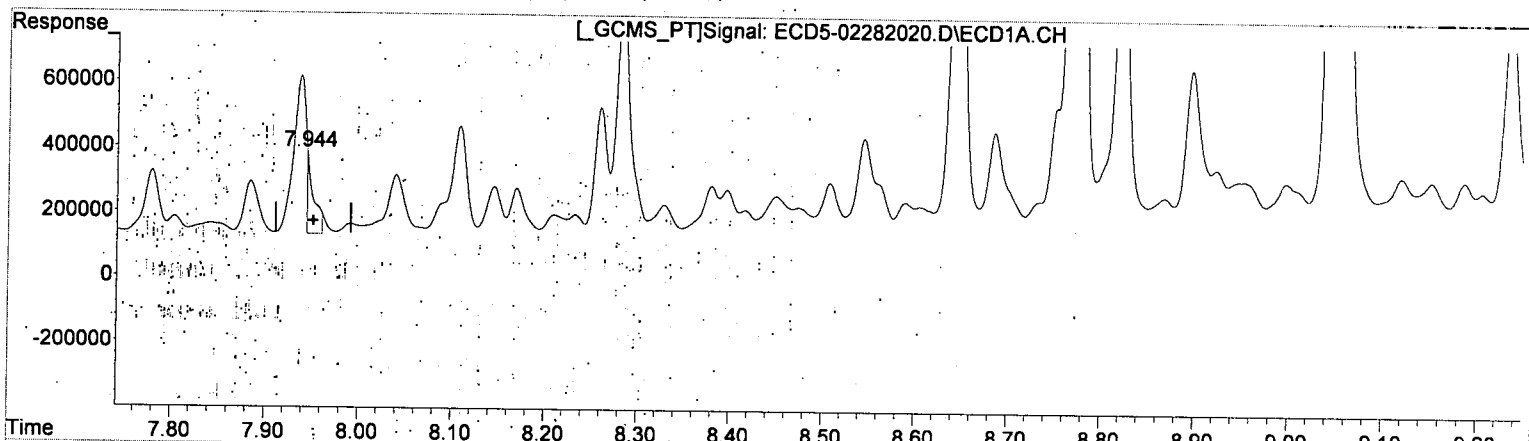
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 17:29
Operator : MJB
Sample : A0B0681-02RE1@5
Misc : 5x; 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT

7.944min 2.074 ng/mL(m)

response 268201

MJB
3/2/20

(29) 2,4'-DDT #2

8.800min 0.271 ng/mL(m)

response 39705

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 17:29
 Operator : MJB
 Sample : A0B0681-02RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

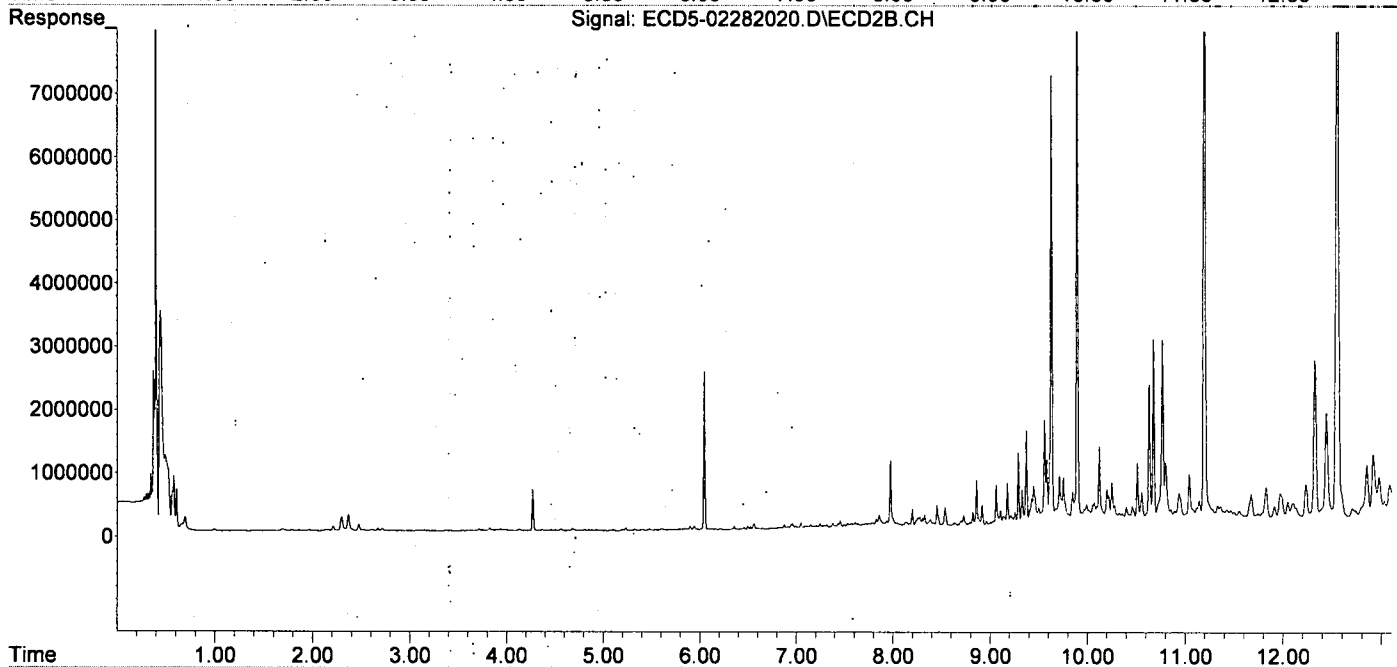
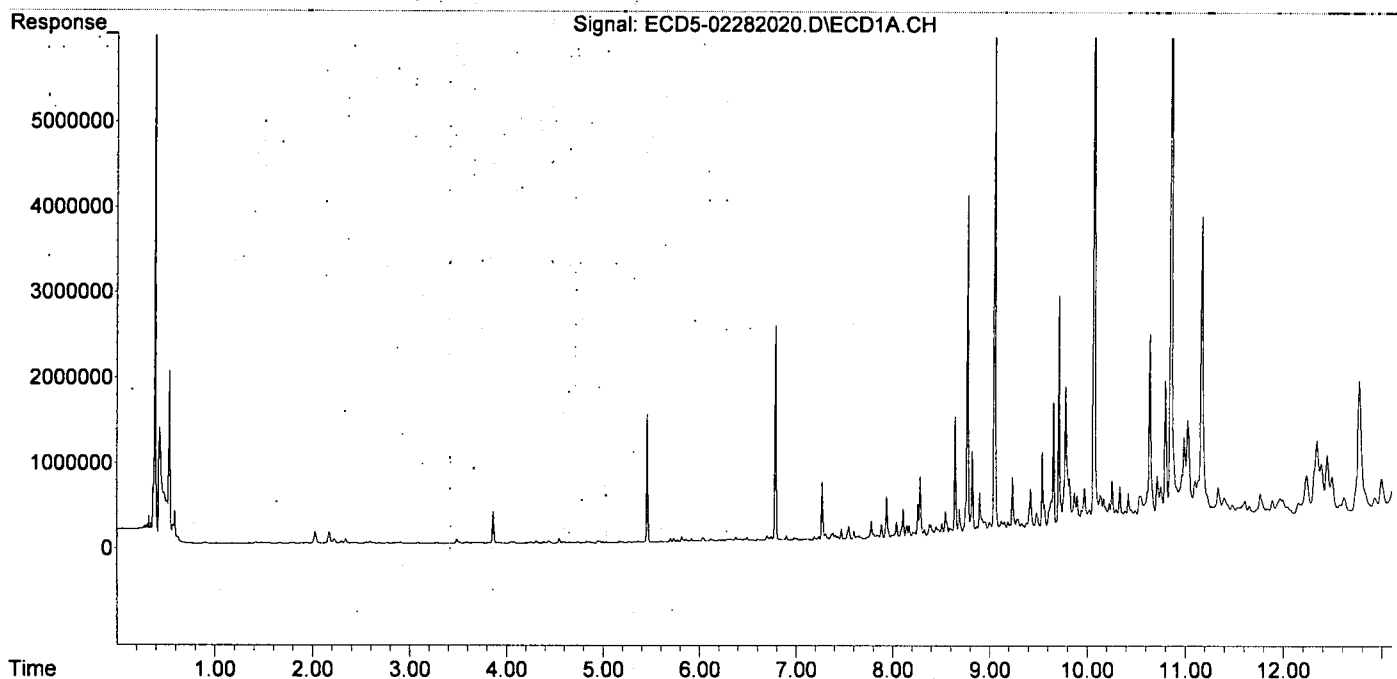
MJ
MJB
3/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.047	1490356	2483301	6.934	7.210
22) S DCBP (S)	9.657	10.633	1462920	2130697	9.072	10.986
Target Compounds						
2) a-BHC	5.983	6.649	18580	11472	0.065	0.049
3) g-BHC	6.304f	6.959	22456	73736	0.089	0.180 #
4) b-BHC	6.375	7.050	49007	83371	0.266	0.323
5) Heptachlor	6.700	7.355	55525	18489	0.238	0.050 #
6) d-BHC	6.492	7.280	42276	32926	0.168	0.016 #
7) Aldrin	6.947	7.611	10904	76503	0.045	0.202 #
8) Heptachlo...	7.406	0.000	50159	0	0.223	N.D. #
9) trans-Chl...	7.470f	8.202	124156	263140	0.546	0.744 #
10) cis-Chlor...	7.600	8.308	92782	114695	0.420	0.344
11) Endosulfa...	7.652f	8.329f	41197	168623	0.200	0.543 #
12) 4,4'-DDE	7.652	8.423	41197	45614	0.183	0.169
13) Dieldrin	7.842	8.539f	34198	280024	0.148	0.808 #
14) Endrin	8.040	8.777	175412	14275	1.058	0.033 #
15) 4,4'-DDD	8.040f	8.825	175412	199987	0.941	0.756
16) Endosulfa...	8.170	8.920	129393	306102	0.541	1.084 #
17) 4,4'-DDT	8.283	9.065	692152	610159	4.904	3.413 #
18) Endrin Al...	8.451f	9.180	95640	636760	0.187	2.582 #
19) Endosulfa...	8.773	9.374	3924187	1457813	24.684	6.324 #
20) Methoxychlor	8.590	9.561f	70385	1619591	0.829	17.162 #
21) Endrin Ke...	8.951	9.755	119674	708789	0.384	2.652 #
23) Hexachlor...	3.256	3.749	7682	16844	0.035	0.039
24) Hexachlor...	5.860f	6.527	31380	37234	0.139	0.102 #
25) Oxychlordane	7.307	7.975	73500	1027810	0.367	3.345 #
26) 2,4'-DDE	7.406	8.202	50159	263140	0.329	1.118 #
27) trans-Non...	7.600f	8.257	92782	122112	0.414	0.359
28) 2,4'-DDD	7.779	8.539f	200045	280024	1.460	1.340
29) 2,4'-DDT	7.938	8.777	482156	14275	3.729	0.118 #
30) cis-Nonac...	8.040	8.825	175412	199987	0.701	0.533
31) Mirex	8.687f	9.755	281337	708789	1.769	3.547 #
32) Chlordane...	7.470f	8.202	124156	263140	5.004	6.200
33) Chlordane...	7.600	8.308	92782	114695	3.369	3.266
34) Chlordane...	8.145	8.965	136044	46271	18.154	4.298 #
35) Chlordane...	0.000	3.749	0	16844	N.D.	NoCal
36) Toxaphene...	7.546	8.539	153589	280024	144.837	99.033 #
37) Toxaphene...	7.842	8.884	34198	101493	17.363	29.256 #
38) Toxaphene...	8.170	8.920	129393	306102	32.195	53.313 #
39) Toxaphene...	8.381f	9.005	127396	33702	32.605	3.644 #
40) Toxaphene...	8.646	9.180	1368568	636760	453.658	125.540 #
41) Toxaphene...	8.687f	9.561	281337	1619591	71.338	303.214 #
42) Toxaphene...	0.000	3.749	0	16844	N.D.	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 17:29
 Operator : MJB
 Sample : A0B0681-02RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 18:37
 Operator : MJB
 Sample : 0020823-DUP1(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: Mar 02 15:55:18 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Roy
MJB
3/2/20

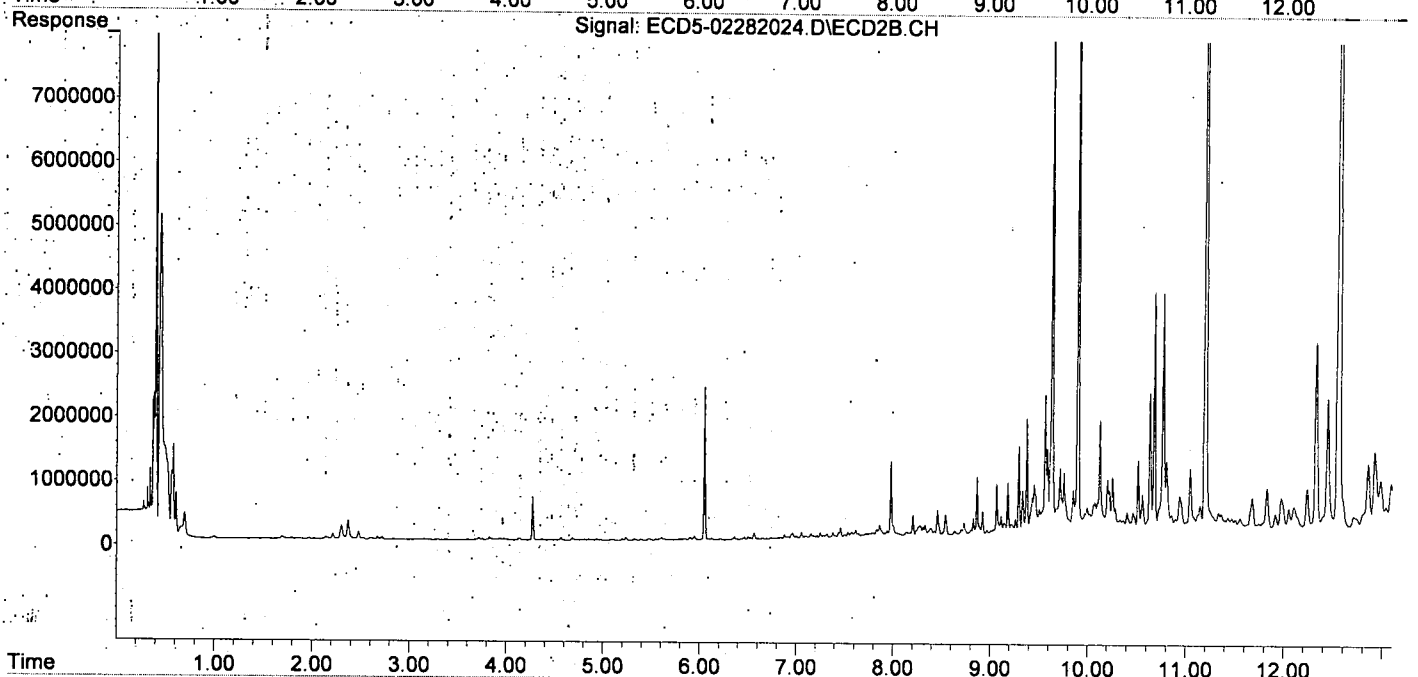
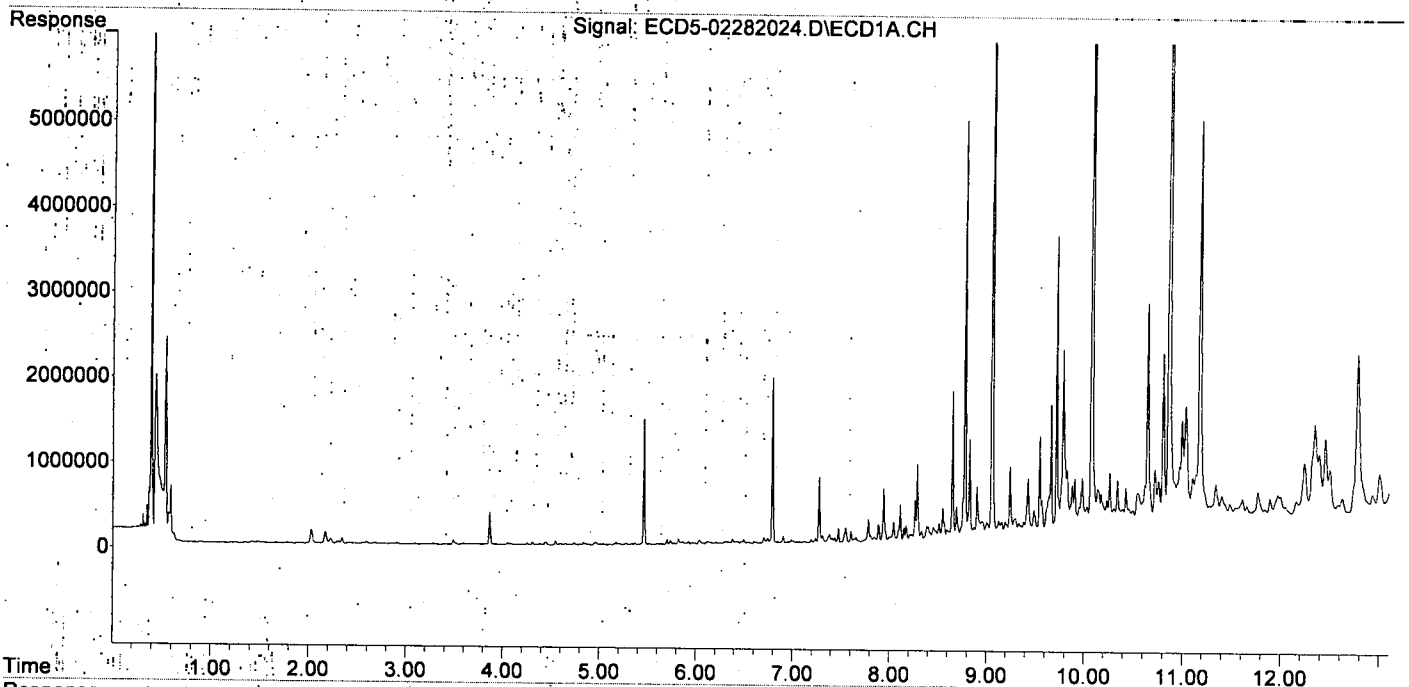
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.459	6.049	1463156	2389783	6.808	6.939
22) S DCBP (S)	9.661	10.636	1467125	2145956	9.099	11.064
Target Compounds						
2) a-BHC	5.985	6.651	17718	15808	0.062	0.059
3) g-BHC	6.307f	6.961	22367	78563	0.089	0.192 #
4) b-BHC	6.378f	7.053	54385	90922	0.316	0.368
5) Heptachlor	6.702	7.379f	66757	75667	0.286	0.203 #
6) d-BHC	6.494	7.282	47627	36667	0.189	0.026 #
7) Aldrin	6.902f	7.614	79091	113283	0.329	0.299
8) Heptachlo...	7.409	8.037f	49182	47660	0.218	0.138 #
9) trans-Chl...	7.473	8.206	159035	319938	0.699	0.905 #
10) cis-Chlor...	7.602	8.310	122740	140160	0.555	0.420
11) Endosulfa...	7.654f	8.331f	49869	169647	0.242	0.547 #
12) 4,4'-DDE	7.654	8.391	49869	111048	0.221	0.366m#
13) Dieldrin	7.844	8.542	38608	326351	0.168	0.942 #
14) Endrin	8.043	8.780	208683	29617	1.259	0.104 #
15) 4,4'-DDD	8.056	8.827	49151	252948	0.264m	0.958 #
16) Endosulfa...	8.172	8.922	154342	353373	0.691	1.281 #
17) 4,4'-DDT	8.263	9.063	446706	654582	3.168	3.653m ^{2.2}
18) Endrin Al...	8.453	9.182	117999	800897	0.337	3.350 #
19) Endosulfa...	8.776	9.377	4803388	1797015	30.275	7.871 #
20) Methoxychlor	8.592	9.504f	88492	369957	1.088	4.000 #
21) Endrin Ke...	8.949	9.758	156360	931389	0.578	3.541 #
23) Hexachlor...	3.284f	3.751	12593	17183	0.057	0.039 #
24) Hexachlor...	5.862f	6.530	29356	31215	0.130	0.085 #
25) Oxychlorane	7.309	7.978	79474	1176048	0.397	3.828 #
26) 2,4'-DDE	7.381	8.194	94667	126239	0.621	0.536m
27) trans-Non...	7.602f	8.241	122740	89210	0.548	0.262 #
28) 2,4'-DDD	7.773	8.554	123219	142225	0.899m	0.681m
29) 2,4'-DDT	7.943	8.799	528047	68235	4.084m	0.443m#
30) cis-Nonac...	8.043	8.827	208683	252948	0.834	0.674 #
31) Mirex	8.690f	9.758	344581	931389	2.217	4.704 #
32) Chlordane...	7.473	8.206	159035	319938	6.409	7.539
33) Chlordane...	7.602	8.310	122740	140160	4.457	3.991
34) Chlordane...	8.149	8.967	142884	65731	19.067	6.105 #
35) Chlordane...	3.751	3.751	10026	17183	NoCal	NoCal
36) Toxaphene...	7.549	8.542	166111	326351	156.646	115.417 #
37) Toxaphene...	7.844	8.865	38608	893276	19.602	257.489 #
38) Toxaphene...	8.172	8.922	154342	353373	38.403	61.546 #
39) Toxaphene...	8.398	8.967	138299	65731	35.396	7.108 #
40) Toxaphene...	8.648	9.143	1698784	167903	563.119	33.103 #
41) Toxaphene...	8.690	9.564	344581	2158625	87.375	404.129 #
42) Toxaphene...	3.751	3.751	10026	17183	NoCal	NoCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 18:37
Operator : MJB
Sample : 0020823-DUP1@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: Mar 02 15:55:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

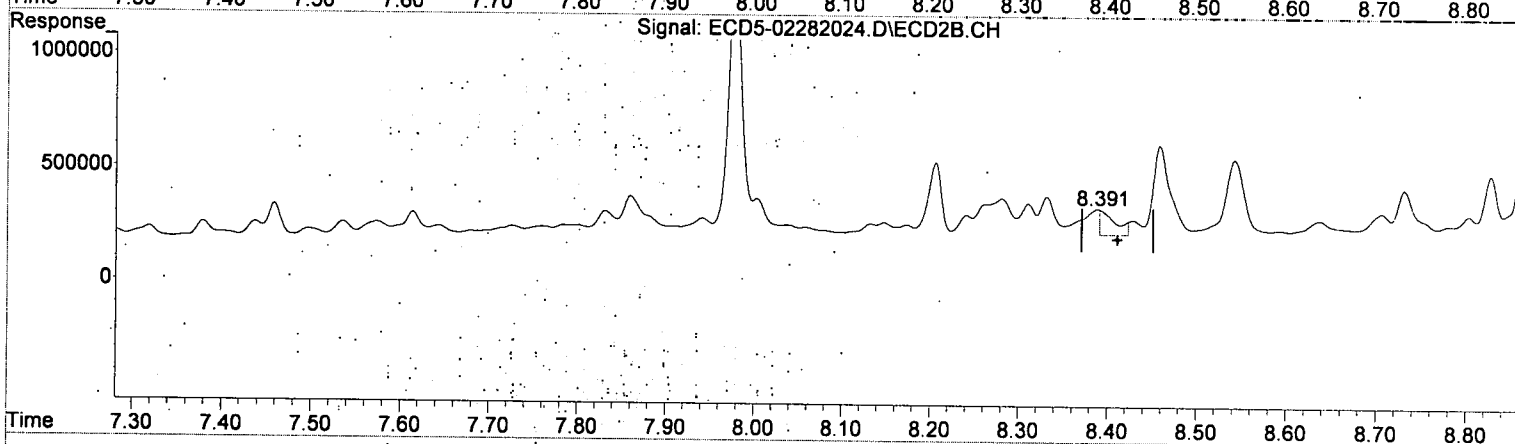
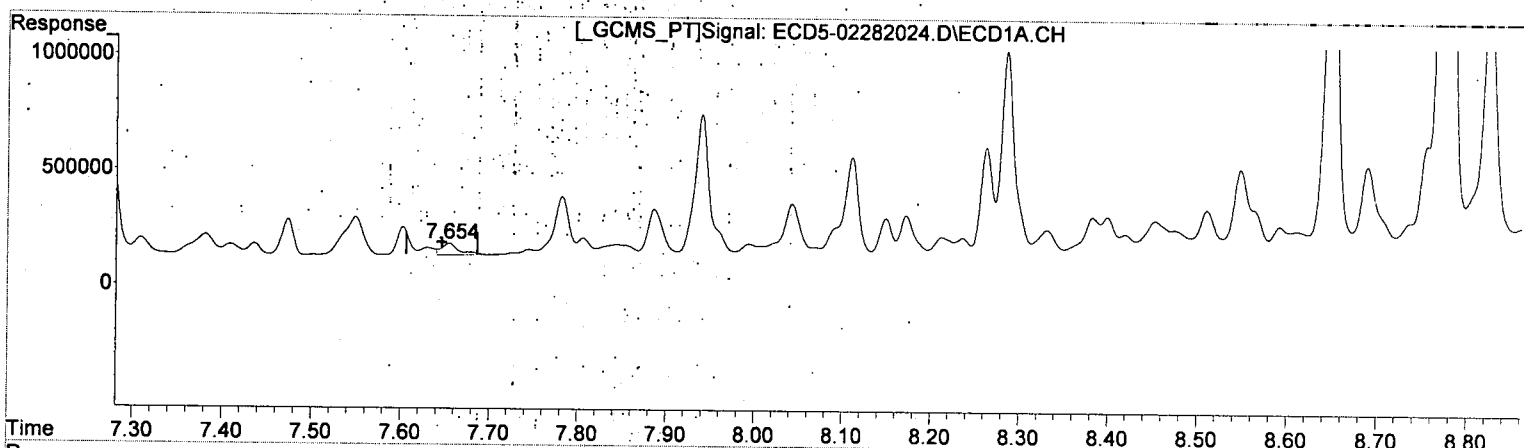


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 18:37
Operator : MJB
Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(12) 4,4'-DDE
7.654min 0.221 ng/mL
response 49869

MJB
3/2/20

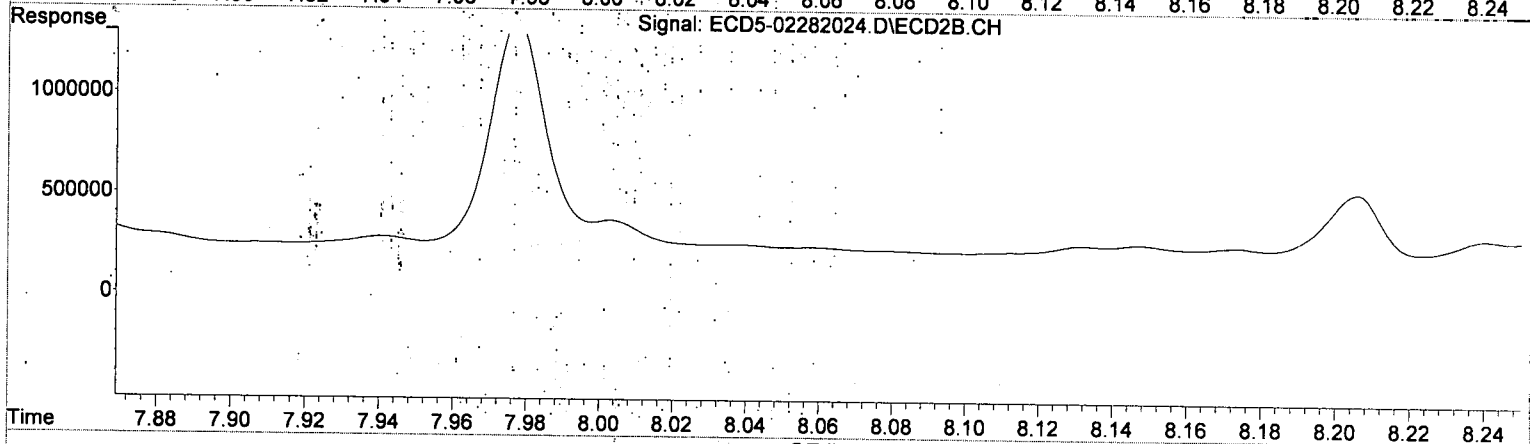
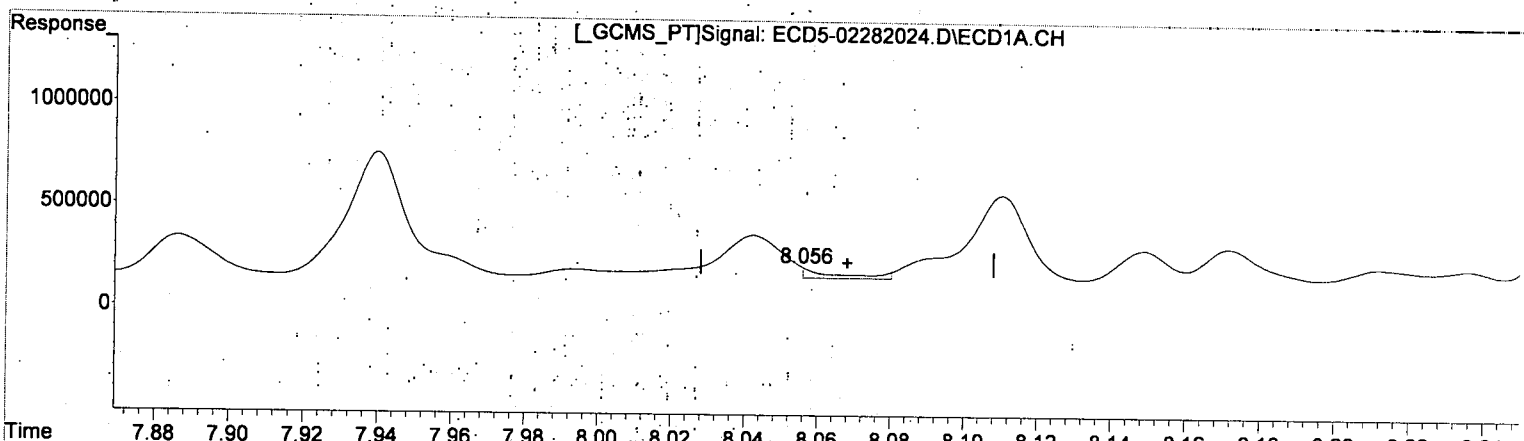
(12) 4,4'-DDE #2
8.391min 0.366 ng/mL (m)
response 111048

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 18:37
Operator : MJB
Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(15) 4,4'-DDD
8.056min 0.264 ng/mL (m)
response 49151

WB
4/2/20

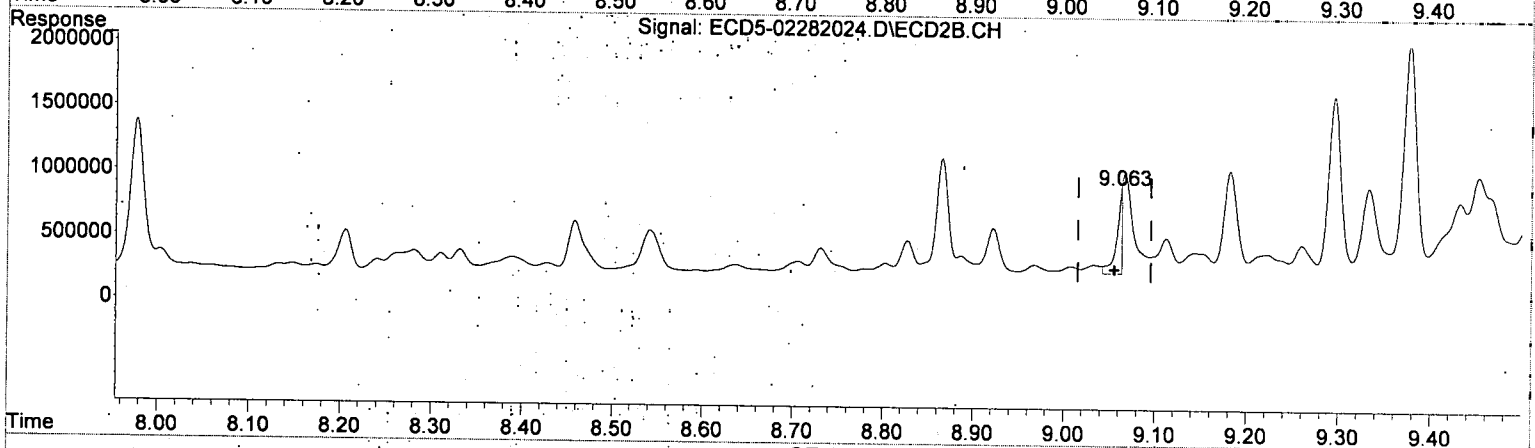
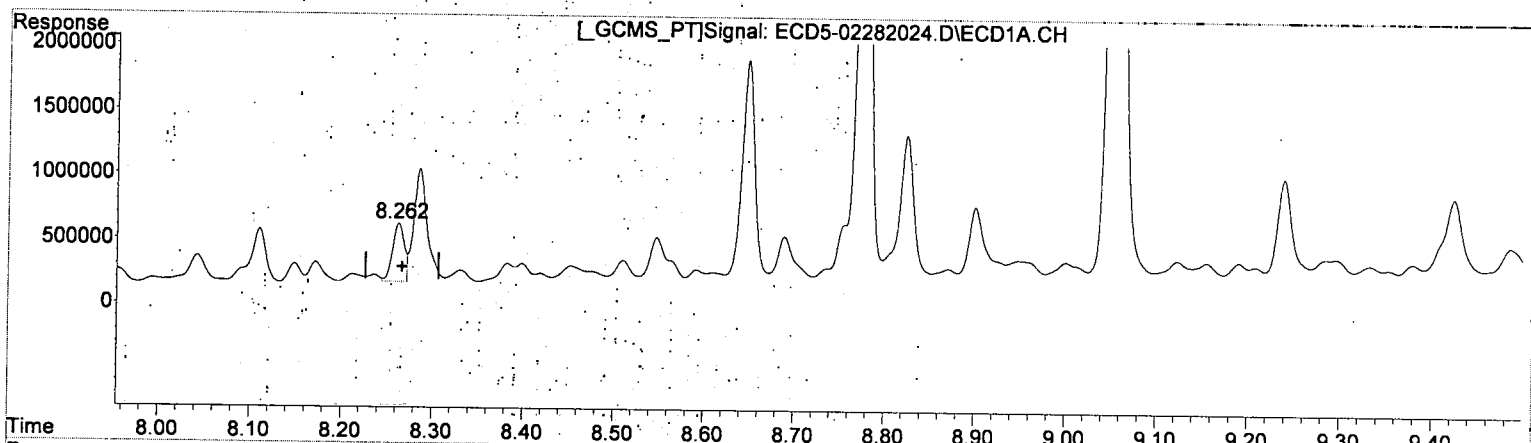
(15) 4,4'-DDD #2
8.827min 0.958 ng/mL
response 252948

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 18:37
Operator : MJB
Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.263min 3.168 ng/mL
response 446706

MJB
3/2/20

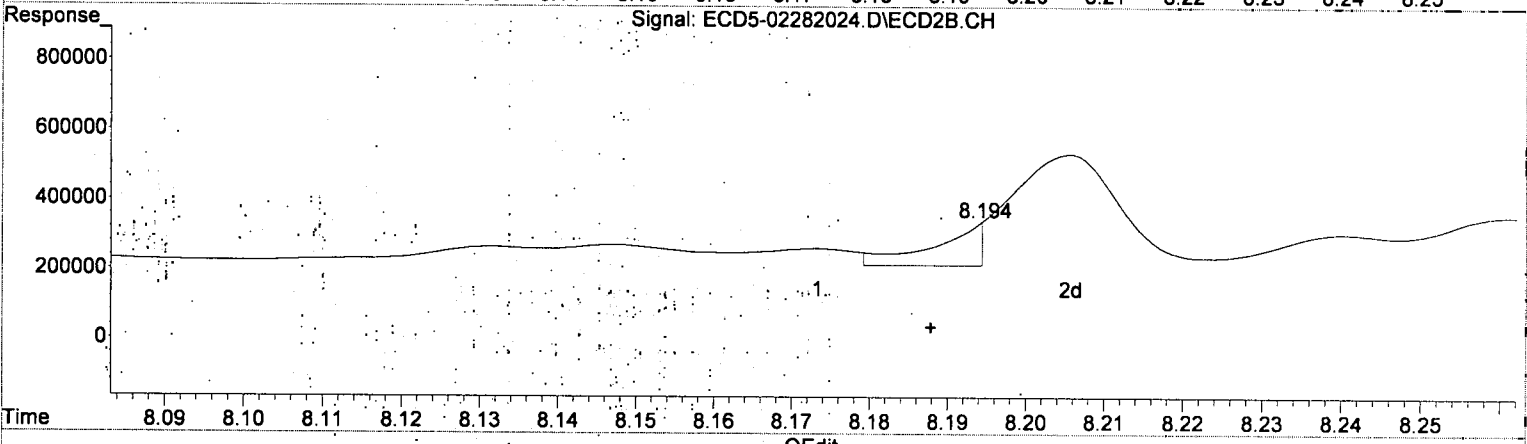
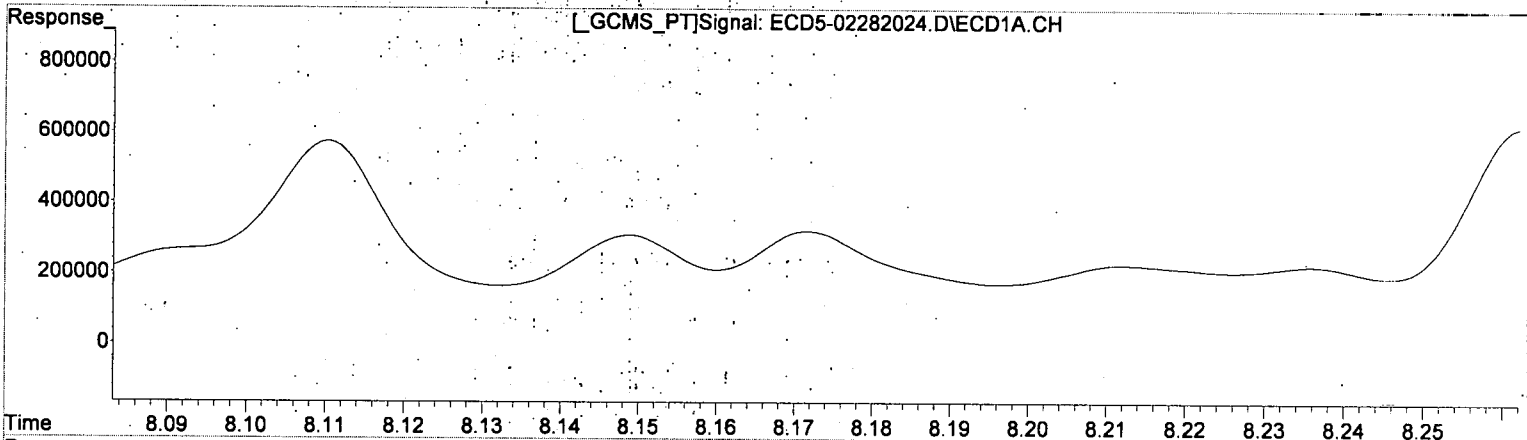
(17) 4,4'-DDT #2
9.063min 3.653 ng/mL *(m) R-02*
response 654582

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 18:37
Operator : MJB
Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.381min 0.621 ng/mL
response 94667

MJB
3/2/20

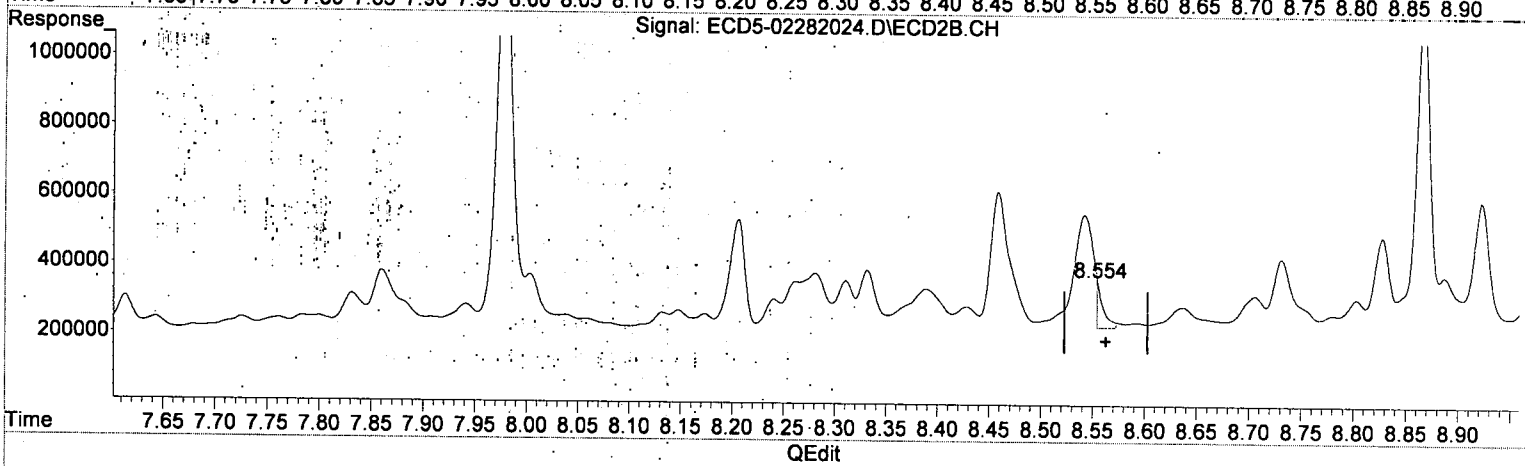
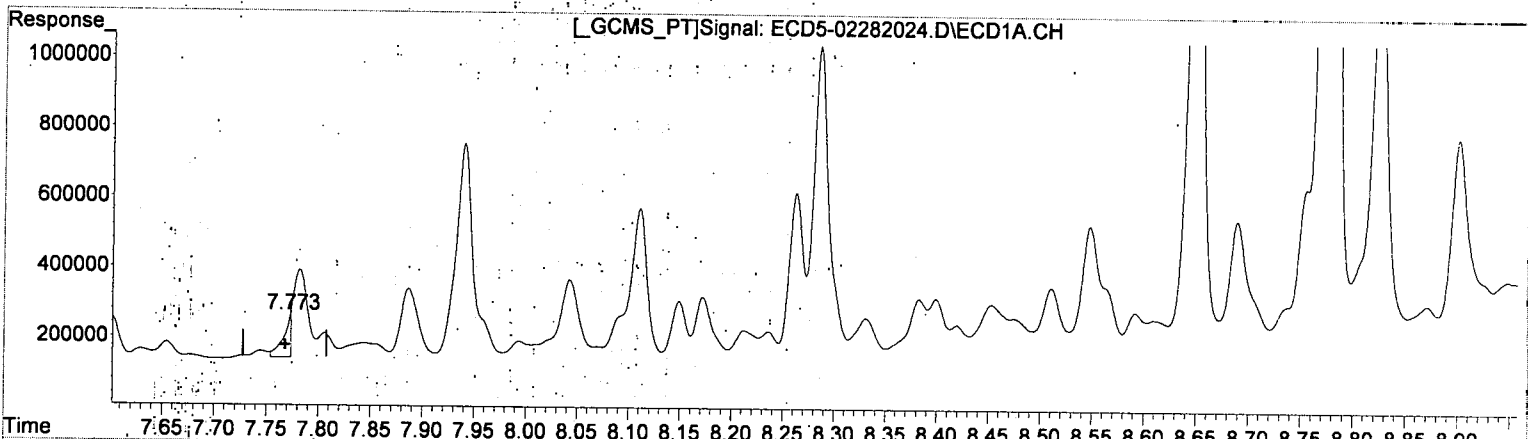
(26) 2,4'-DDE #2
8.194min 0.536 ng/mL m
response 126239

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 18:37
Operator : MJB
Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD

7.773min 0.899 ng/mL(m)

response 123219

MJD 2/2/20

(28) 2,4'-DDD #2

8.554min 0.681 ng/mL(m)

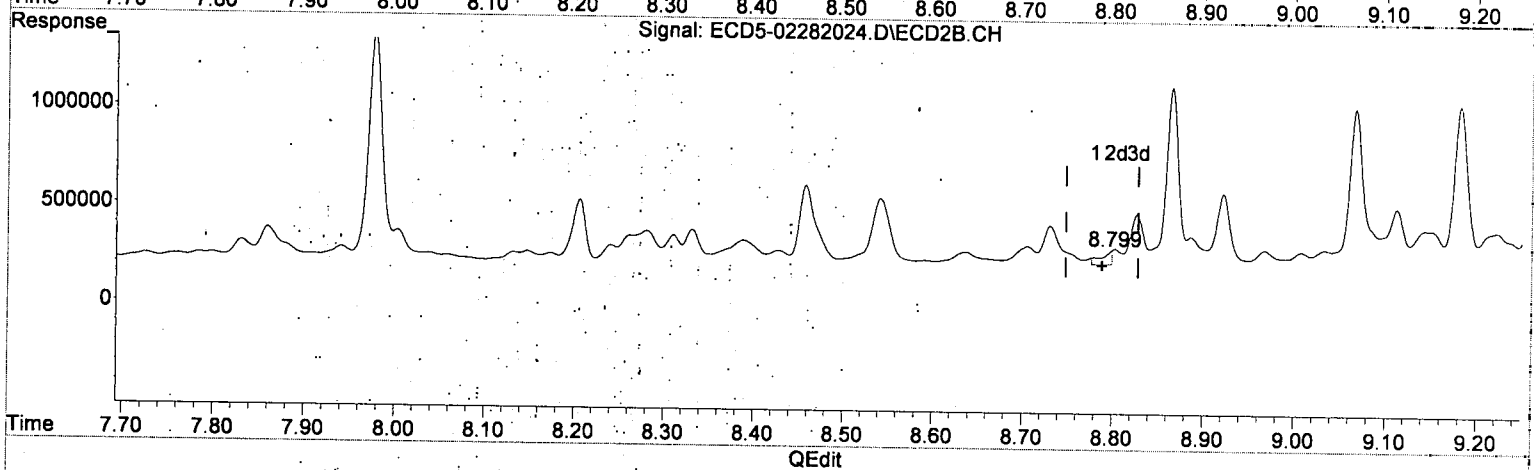
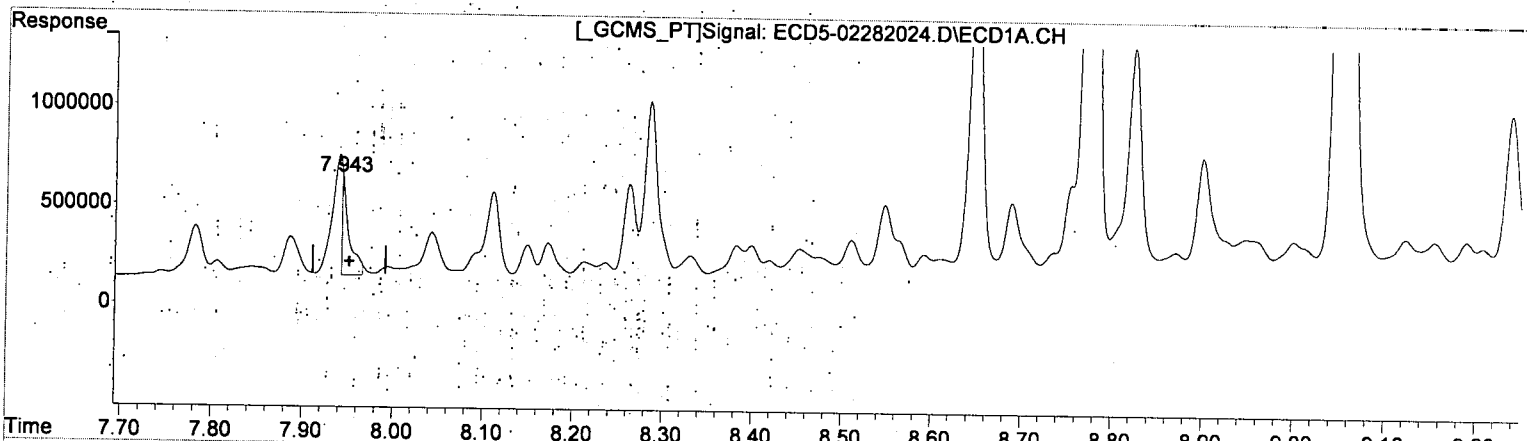
response 142225

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 18:37
 Operator : MJB
 Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
 7.943min 4.084 ng/mL μ
 response 528047

WJB
3/2/20

(29) 2,4'-DDT #2
 8.799min 0.443 ng/mL μ
 response 68235

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 18:37
 Operator : MJB
 Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
 Quant Method: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

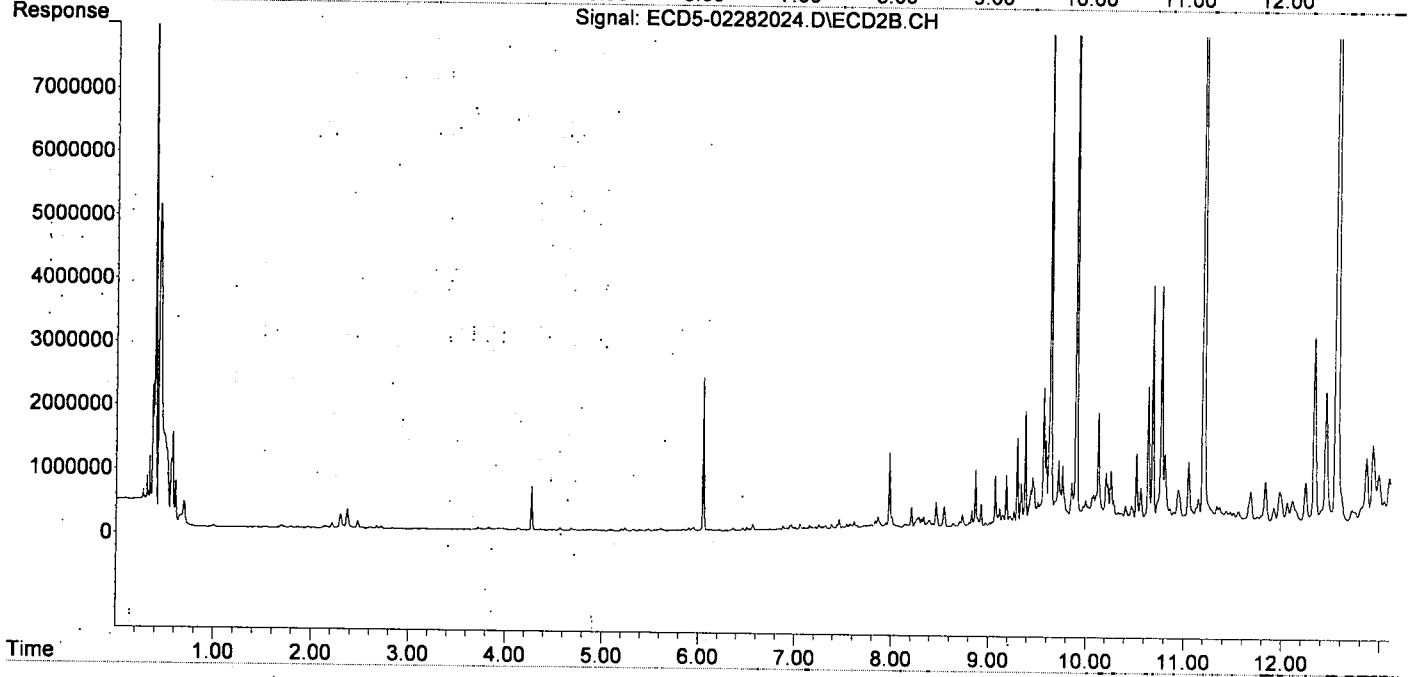
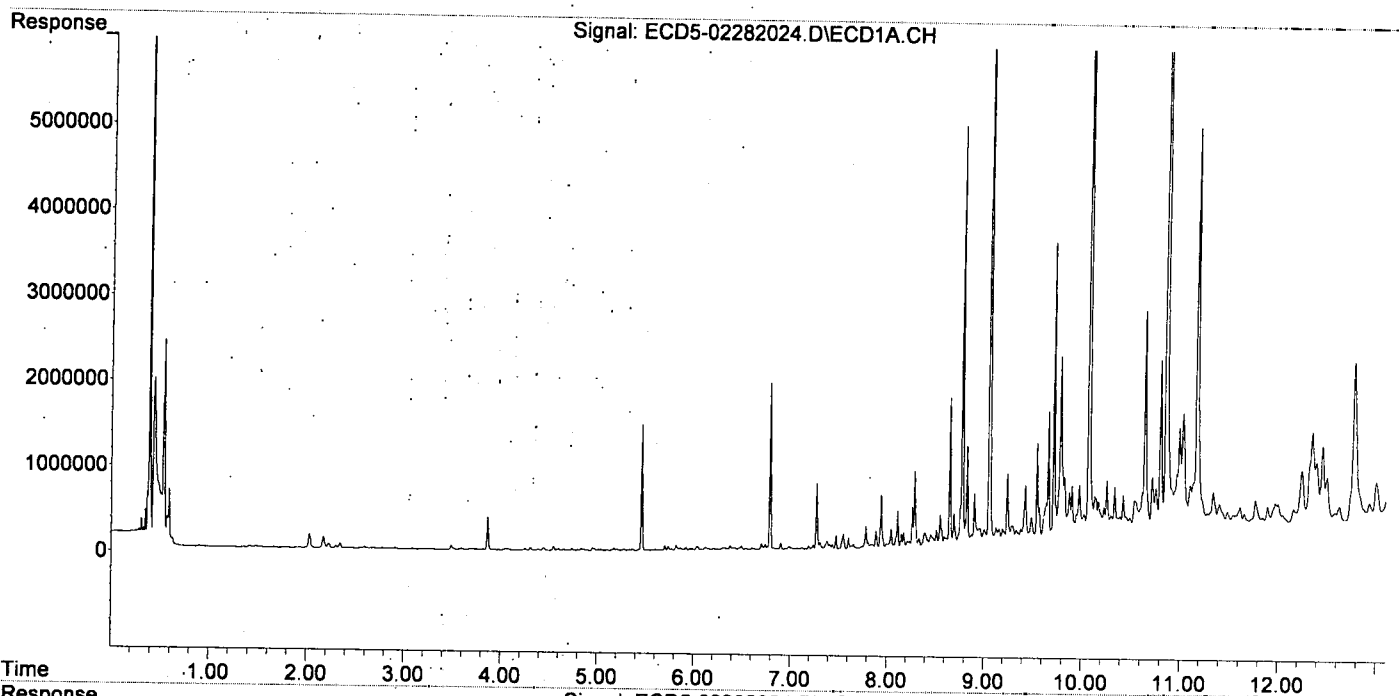
MJB
2/2/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.459	6.049	1463156	2389783	6.808	6.939
22) S DCBP (S)	9.661	10.636	1467125	2145956	9.099	11.064
Target Compounds						
2) a-BHC	5.985	6.651	17718	15808	0.062	0.059
3) g-BHC	6.307f	6.961	22367	78563	0.089	0.192 #
4) b-BHC	6.378f	7.053	54385	90922	0.316	0.368
5) Heptachlor	6.702	7.379f	66757	75667	0.286	0.203 #
6) d-BHC	6.494	7.282	47627	36667	0.189	0.026 #
7) Aldrin	6.902f	7.614	79091	113283	0.329	0.299
8) Heptachlo...	7.409	8.037f	49182	47660	0.218	0.138 #
9) trans-Chl...	7.473	8.206	159035	319938	0.699	0.905 #
10) cis-Chlor...	7.602	8.310	122740	140160	0.555	0.420
11) Endosulfa...	7.654f	8.331f	49869	169647	0.242	0.547 #
12) 4,4'-DDE	7.654	8.428	49869	63078	0.221	0.222
13) Dieldrin	7.844	8.542	38608	326351	0.168	0.942 #
14) Endrin	8.043	8.780	208683	29617	1.259	0.104 #
15) 4,4'-DDD	8.043f	8.827	208683	252948	1.120	0.958
16) Endosulfa...	8.172	8.922	154342	353373	0.691	1.281 #
17) 4,4'-DDT	8.263	9.067	446706	788022	3.168	4.372 #
18) Endrin Al...	8.453	9.182	117999	800897	0.337	3.350 #
19) Endosulfa...	8.776	9.377	4803388	1797015	30.275	7.871 #
20) Methoxychlor	8.592	9.504f	88492	369957	1.088	4.000 #
21) Endrin Ke...	8.949	9.758	156360	931389	0.578	3.541 #
23) Hexachlor...	3.284f	3.751	12593	17183	0.057	0.039 #
24) Hexachlor...	5.862f	6.530	29356	31215	0.130	0.085 #
25) Oxychlor dane	7.309	7.978	79474	1176048	0.397	3.828 #
26) 2,4'-DDE	7.381	8.173	94667	47978	0.621	0.204 #
27) trans-Non...	7.602f	8.241	122740	89210	0.548	0.262 #
28) 2,4'-DDD	7.782	8.542f	250213	326351	1.826	1.562
29) 2,4'-DDT	7.940	8.780	603000	29617	4.663	0.211 #
30) cis-Nonac...	8.043	8.827	208683	252948	0.834	0.674
31) Mirex	8.690f	9.758	344581	931389	2.217	4.704 #
32) Chlordane...	7.473	8.206	159035	319938	6.409	7.539
33) Chlordane...	7.602	8.310	122740	140160	4.457	3.991
34) Chlordane...	8.149	8.967	142884	65731	19.067	6.105 #
35) Chlordane...	3.751	3.751	10026	17183	NoCal	NoCal
36) Toxaphene...	7.549	8.542	166111	326351	156.646	115.417 #
37) Toxaphene...	7.844	8.865	38608	893276	19.602	257.489 #
38) Toxaphene...	8.172	8.922	154342	353373	38.403	61.546 #
39) Toxaphene...	8.398	8.967	138299	65731	35.396	7.108 #
40) Toxaphene...	8.648	9.143	1698784	167903	563.119	33.103 #
41) Toxaphene...	8.690	9.564	344581	2158625	87.375	404.129 #
42) Toxaphene...	3.751	3.751	10026	17183	NoCal	NoCal

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 18:37
Operator : MJB
Sample : 0020823-DUP1@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: Mar 02 15:28:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 19:46
 Operator : MJB
 Sample : A0B0681-05RE1(50)
 Misc : 50x, 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: Mar 02 15:59:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.456	6.047	175293	233276	0.816	0.677
22) S DCBP (S)	9.658	10.636	224469	354985	1.179	1.830 #
Target Compounds						
2) a-BHC	6.027f	6.676	46606	24749	0.163	0.079 #
3) g-BHC	6.302	6.959	59067	84029	0.234	0.206
4) b-BHC	6.373	7.051	49845	89740	0.274	0.361 #
5) Heptachlor	6.698	7.377f	167578	70675	0.719	0.190 #
6) d-BHC	6.492	7.298	55951	82185	0.222	0.152 #
7) Aldrin	6.948	7.613	26966	68879	0.112	0.182 #
8) Heptachlo...	7.409	8.042	31296	62984	0.139	0.183 #
9) trans-Chl...	7.469f	8.201	93423	163672	0.411	0.463
10) cis-Chlor...	7.597	8.308	65973	130511	0.299	0.391 #
11) Endosulfa...	7.692	8.328f	8351	134837	0.041	0.434 #
12) 4,4'-DDE	7.651	8.401	18791	99470	0.083	0.331 #
13) Dieldrin	7.856	8.541	21164	149402	0.092	0.431 #
14) Endrin	8.041	8.794	88589	64576	0.534	0.264 #
15) 4,4'-DDD	8.065	8.824	48183	326784	0.259	1.238 #
16) Endosulfa...	8.170	8.919	112026	239908	0.437	0.808 #
17) 4,4'-DDT	8.260	9.059	323225	396142	2.293	2.252m
18) Endrin Al...	8.474	9.179	51221	571054	BelowCal	2.275
19) Endosulfa...	8.772	9.373	3486699	702536	21.897	2.859 #
20) Methoxychlor	8.609	9.560f	46854	1002592	0.492	10.753 #
21) Endrin Ke...	8.942f	9.756	80375	457093	0.175	1.643 #
23) Hexachlor...	3.284f	3.751	13857	29256	0.062	0.067
24) Hexachlor...	5.813f	6.526	343928	30466	1.529	0.083 #
25) Oxychlorane	7.307	7.974	36518	807894	0.182	2.629 #
26) 2,4'-DDE	7.380	8.195	65198	113735	0.427m	0.483m
27) trans-Non...	7.597	8.259	65973	160317	0.295	0.471 #
28) 2,4'-DDD	7.772	8.550	103124	97686	0.753m	0.468m#
29) 2,4'-DDT	7.944	8.794	325774	64576	2.519m	0.421 #
30) cis-Nonac...	8.041	8.824	88589	326784	0.354	0.870 #
31) Mirex	8.687f	9.756	197314	457093	1.173	2.235 #
32) Chlordane...	7.469f	8.201	93423	163672	3.765	3.857
33) Chlordane...	7.597	8.308	65973	130511	2.396	3.716 #
34) Chlordane...	8.147	8.965	111844	80634	14.925	7.489 #
35) Chlordane...	3.748	3.751	6319	29256	NoCal	NoCal
36) Toxaphene...	7.544f	8.541	146189	149402	137.859	52.837 #
37) Toxaphene...	7.856	8.863	21164	820354	10.746	236.469 #
38) Toxaphene...	8.170	8.919	112026	239908	27.874	41.784 #
39) Toxaphene...	8.397	9.006f	94052	62386	24.071	6.746 #
40) Toxaphene...	8.645	9.151	833106	106182	276.161	20.934 #
41) Toxaphene...	8.687f	9.560	197314	1002592	50.032	187.701 #
42) Toxaphene...	3.748	3.751	6319	29256	NoCal	NoCal

MJB 2/2/20

6-05

2-01

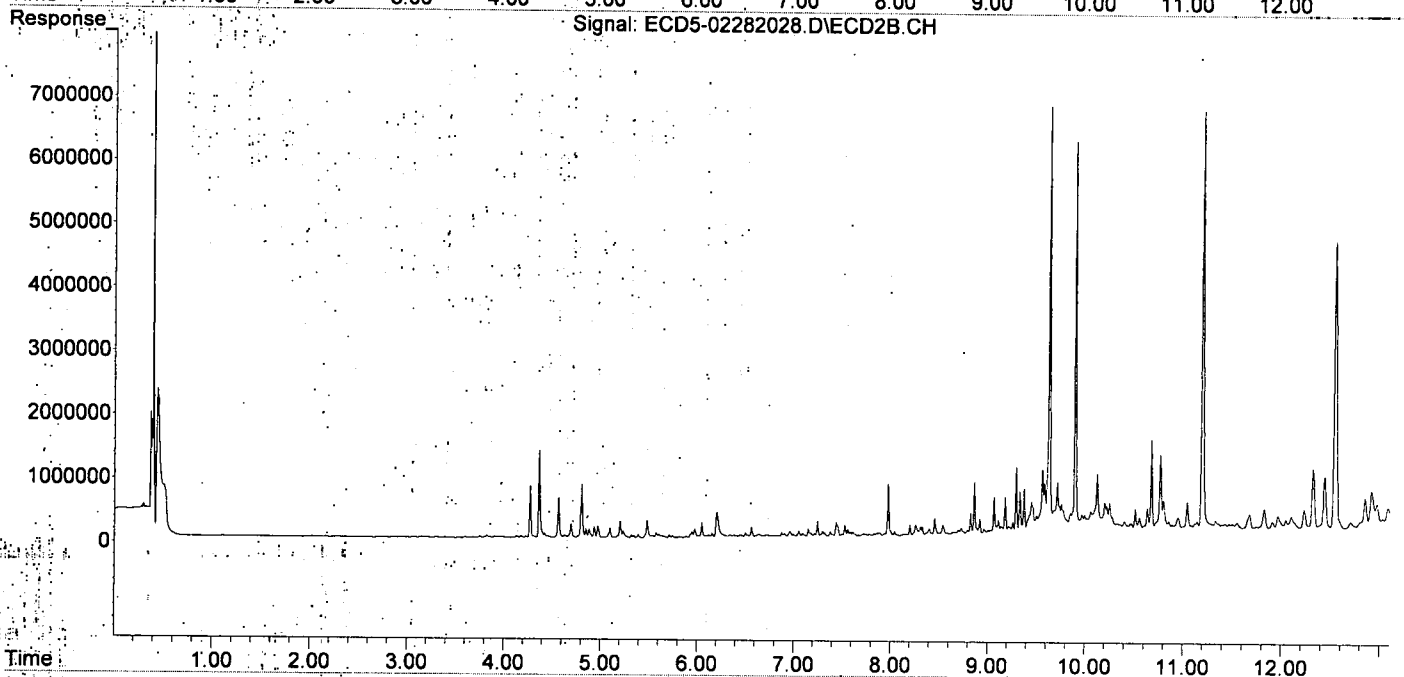
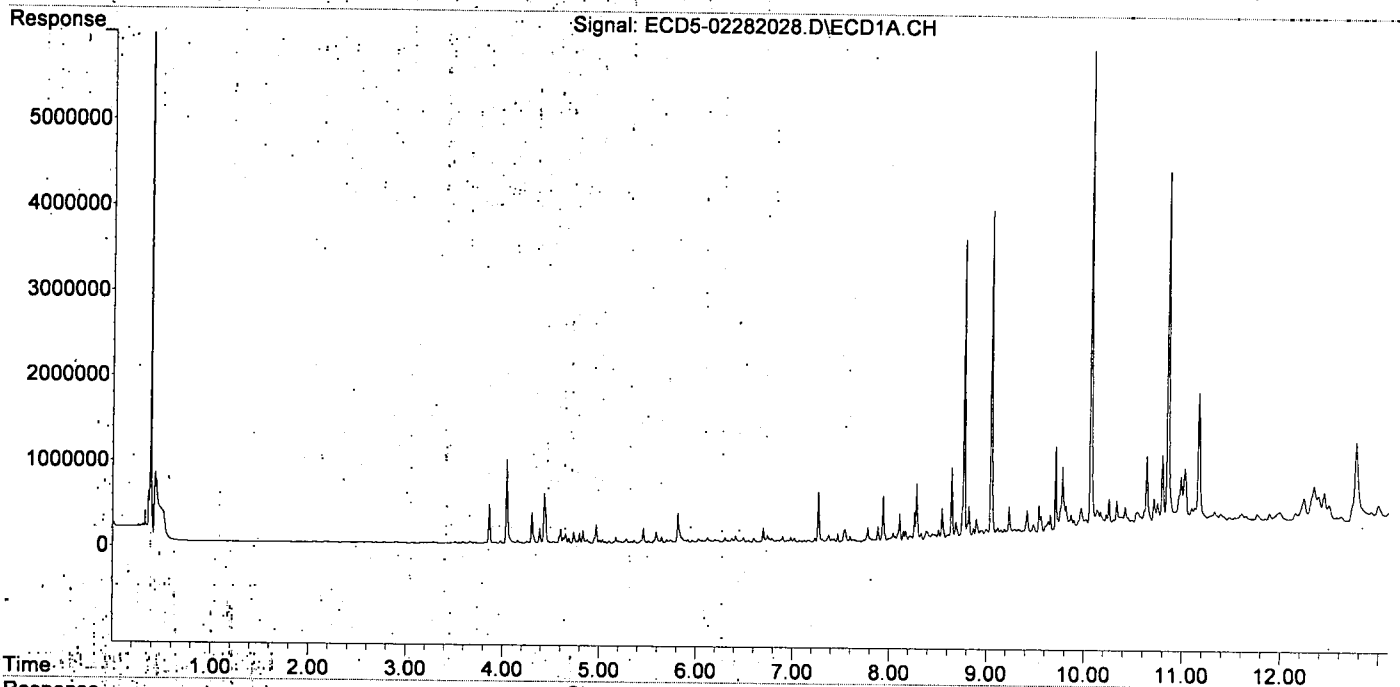
2-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 19:46
Operator : MJB
Sample : A0B0681-05RE1@50
Misc : 50x, 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: Mar 02 15:59:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

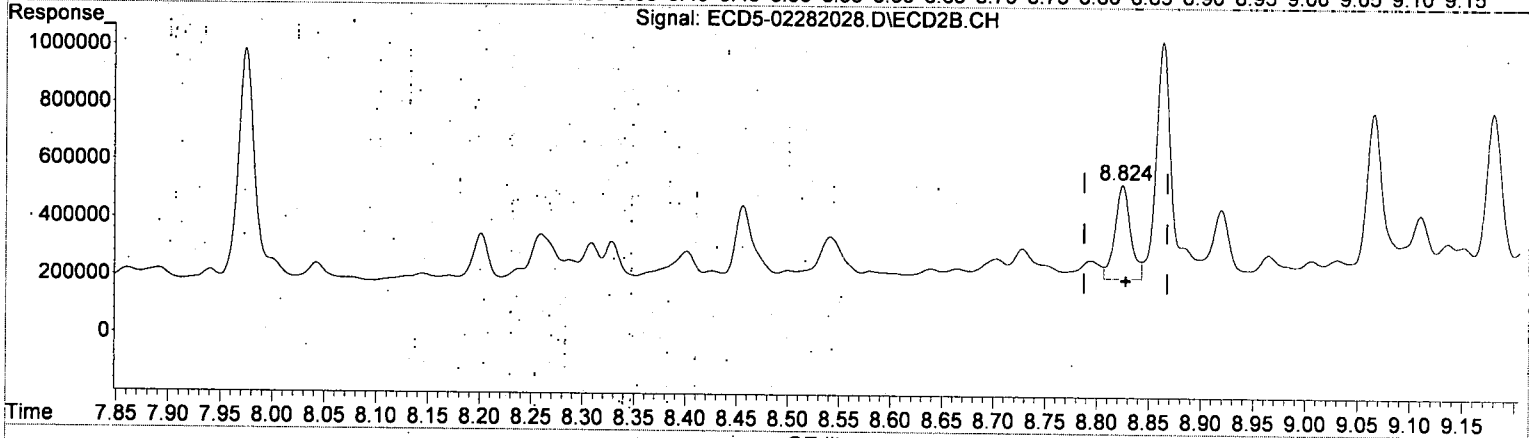
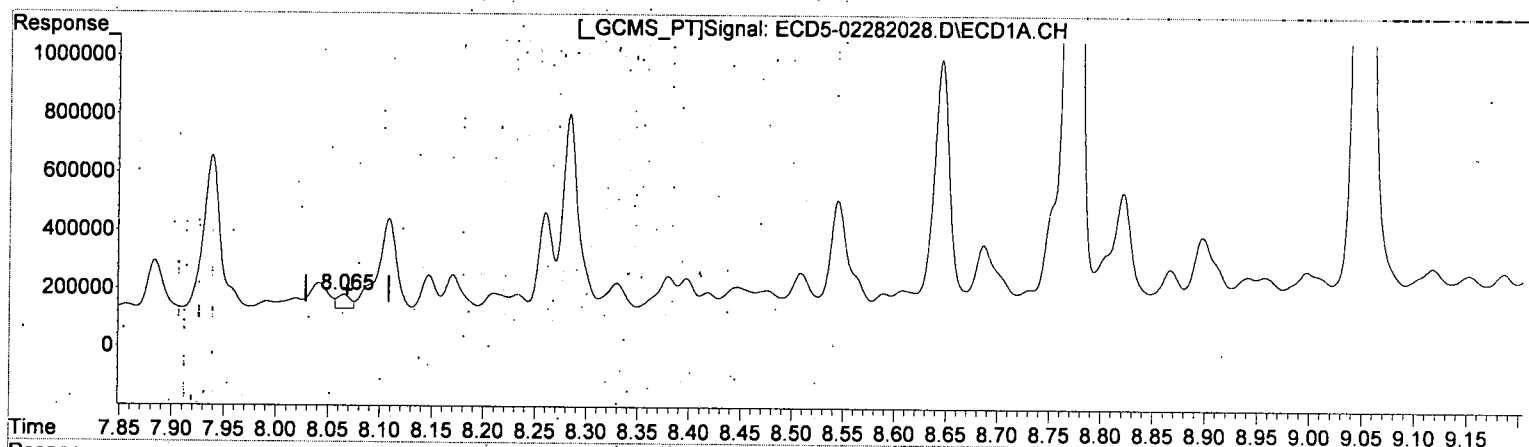


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 19:46
Operator : MJB
Sample : A0B0681-05RE1@50
Misc : 50x, 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: Mar 02 15:28:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(15) 4,4'-DDD
8.065min 0.259 ng/mL
response 48183

MJB
3/2/20

(15) 4,4'-DDD #2
8.824min 1.238 ng/mL
response 326784

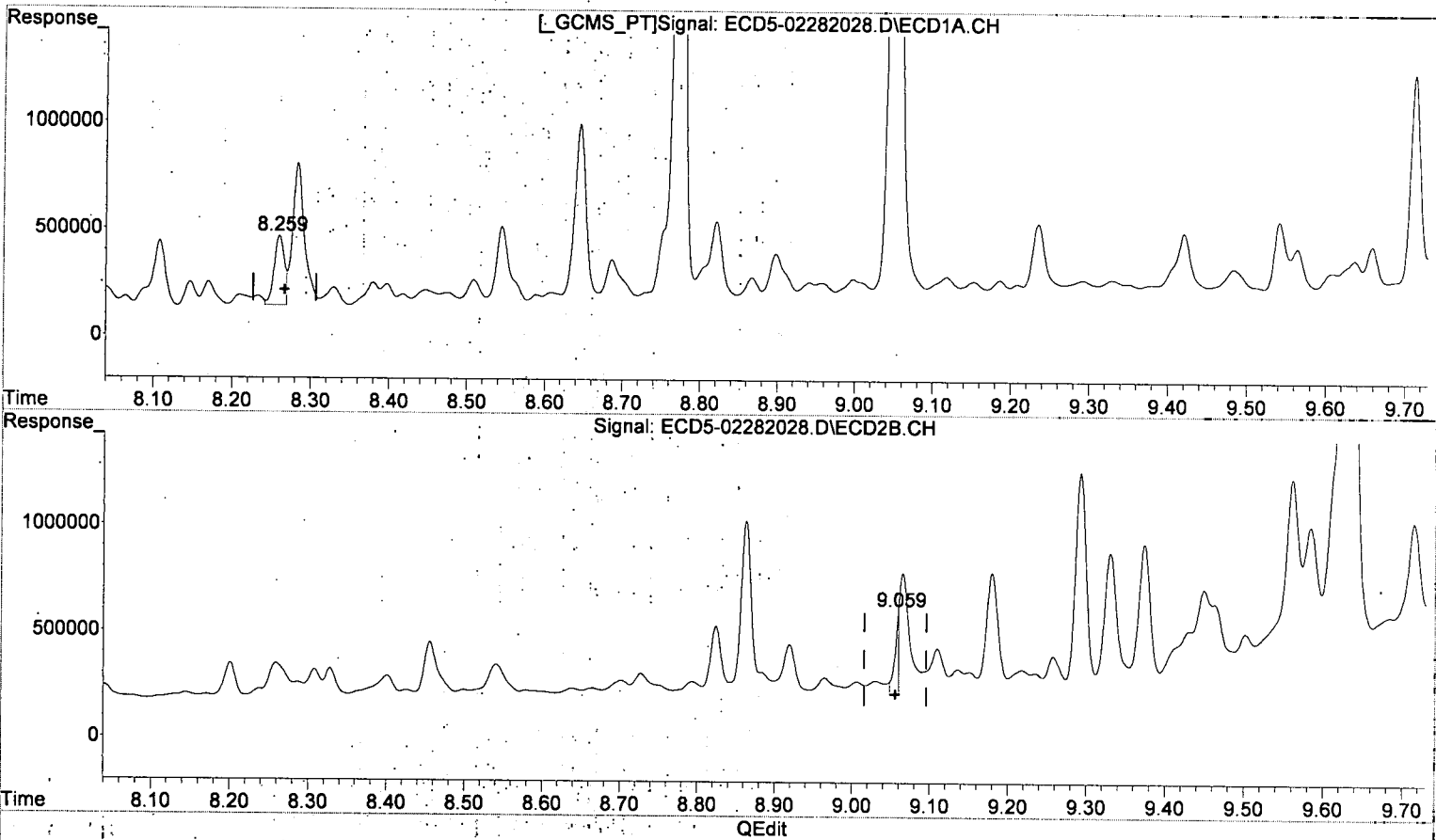
P-01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 19:46
Operator : MJB
Sample : A0B0681-05RE1@50
Misc : 50x, 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: Mar 02 15:28:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.260min 2.293 ng/mL
response 323225

MJB
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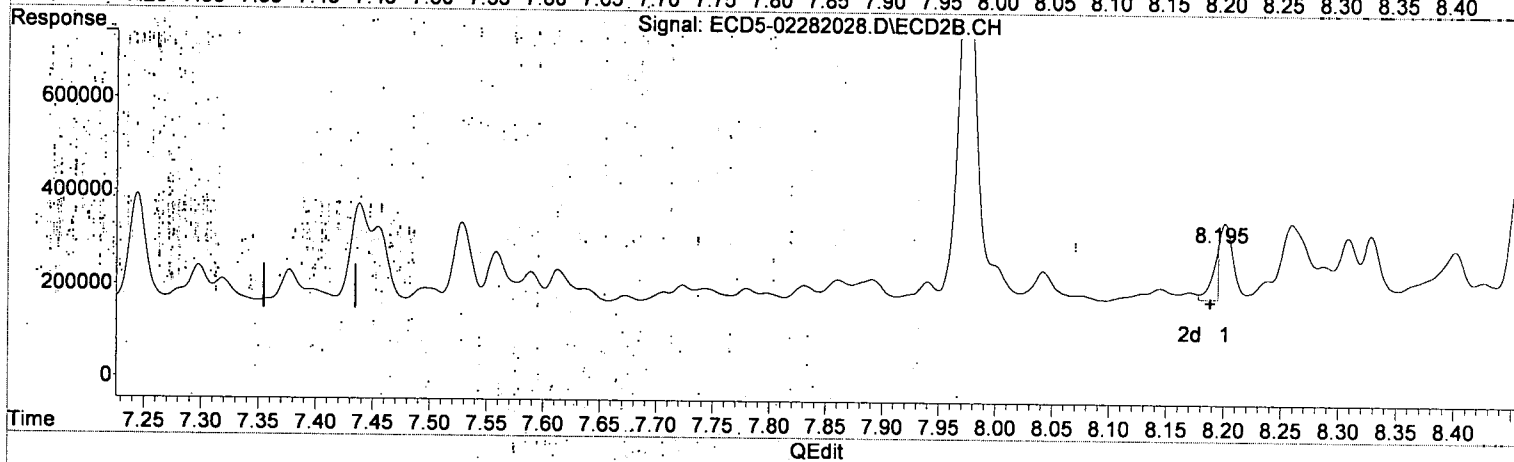
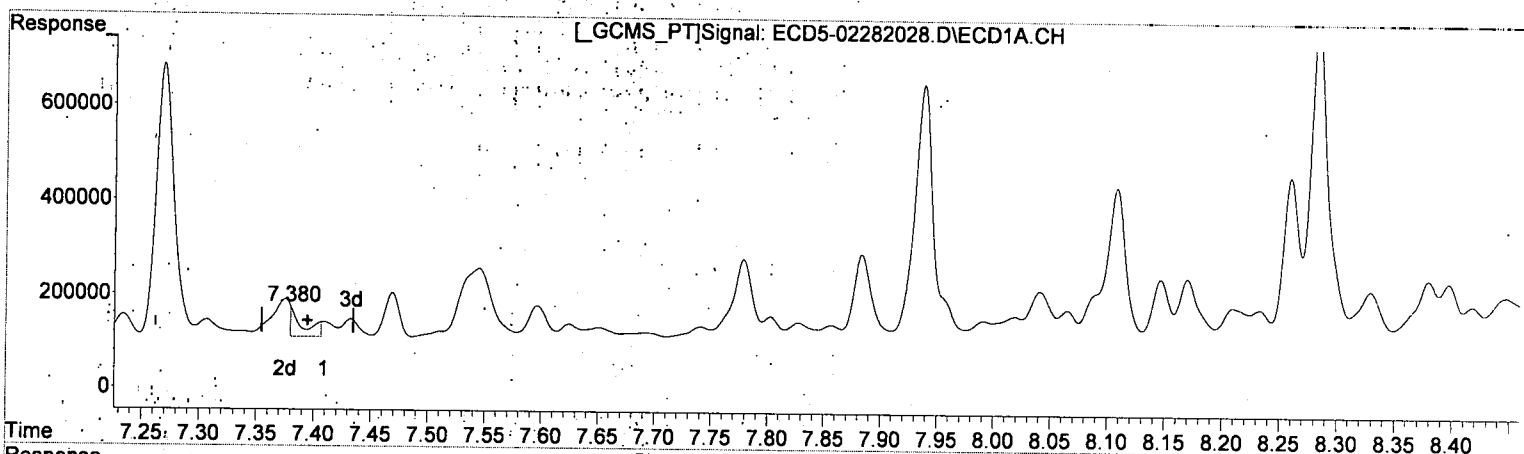
(17) 4,4'-DDT #2
9.059min 2.252 ng/mL (m) R-OL
response 396142

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 19:46
Operator : MJB
Sample : A0B0681-05RE1@50
Misc : 50x, 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: Mar 02 15:28:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.380min 0.427 ng/mL(m)
response 65198

MJB
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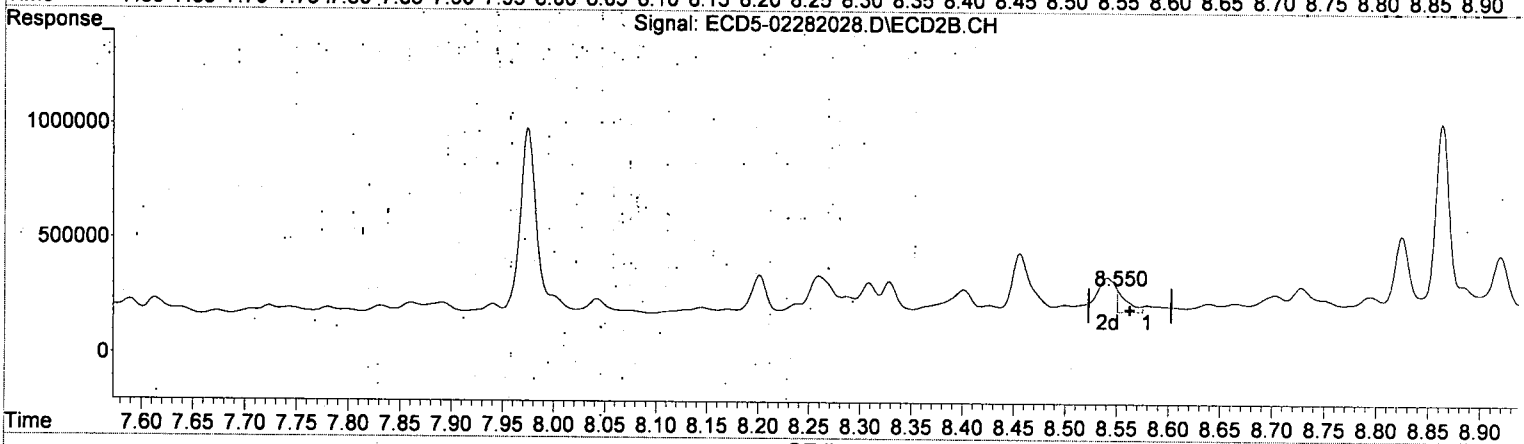
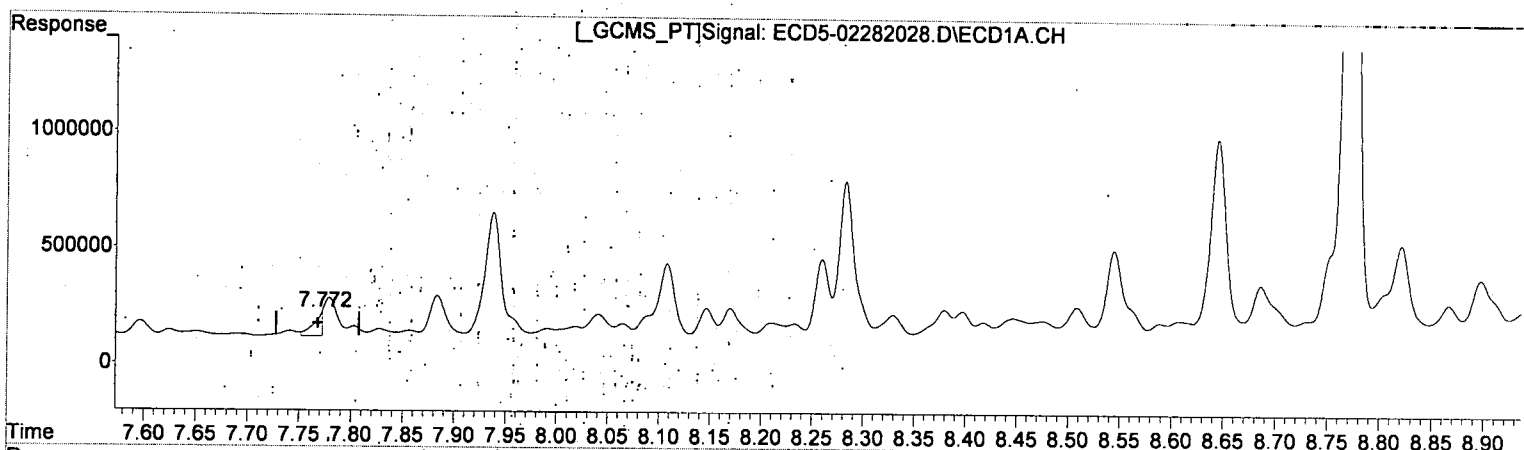
(26) 2,4'-DDE #2
8.195min 0.483 ng/mL(m)
response 113735

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 19:46
 Operator : MJB
 Sample : A0B0681-05RE1@50
 Misc : 50x, 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: Mar 02 15:28:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD
 7.772min 0.753 ng/ml (m)
 response 103124

MJB
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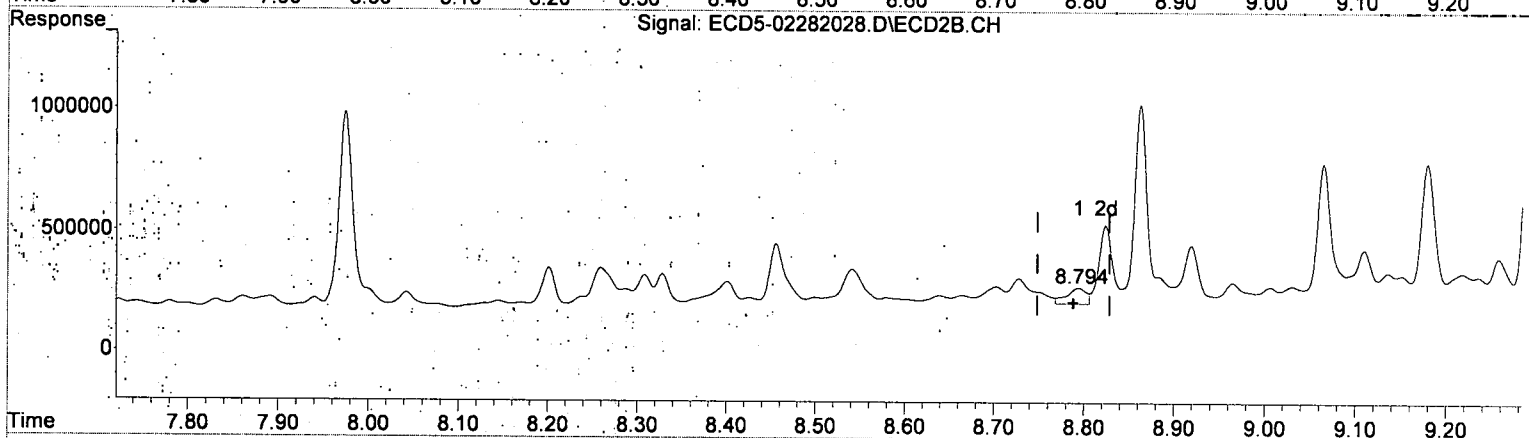
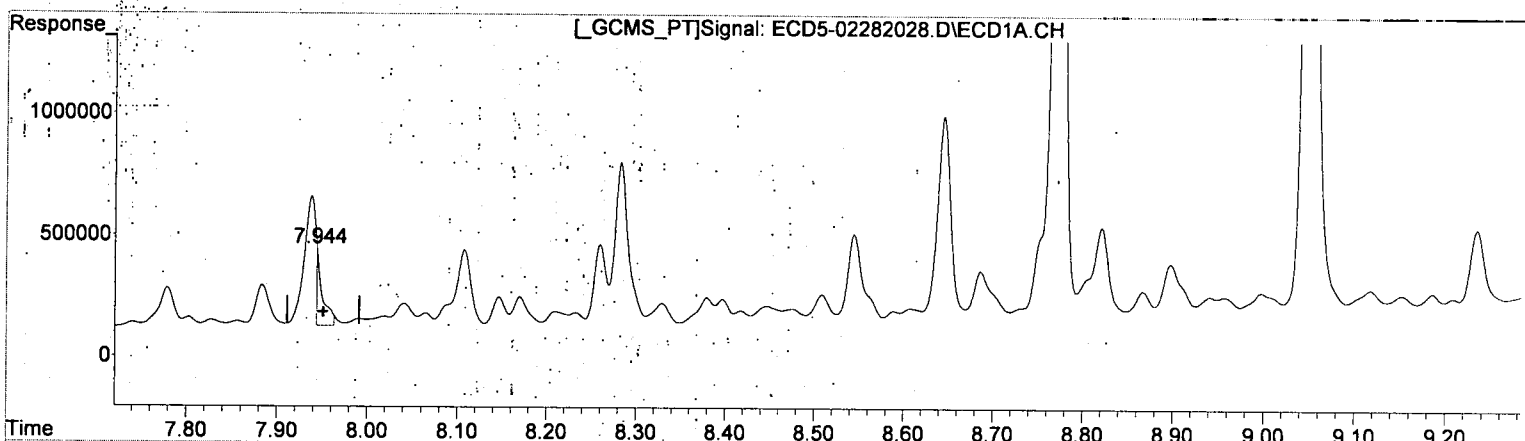
(28) 2,4'-DDD #2
 8.550min 0.468 ng/ml (m)
 response 97686

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 19:46
Operator : MJB
Sample : A0B0681-05RE1@50
Misc : 50x, 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: Mar 02 15:28:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
7.944min 2.519 ng/mL (+)
response 325774

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(29) 2,4'-DDT #2
8.794min 0.421 ng/mL
response 64576

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 19:46
 Operator : MJB
 Sample : A0B0681-05RE1@50
 Misc : 50x, 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: Mar 02 15:28:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

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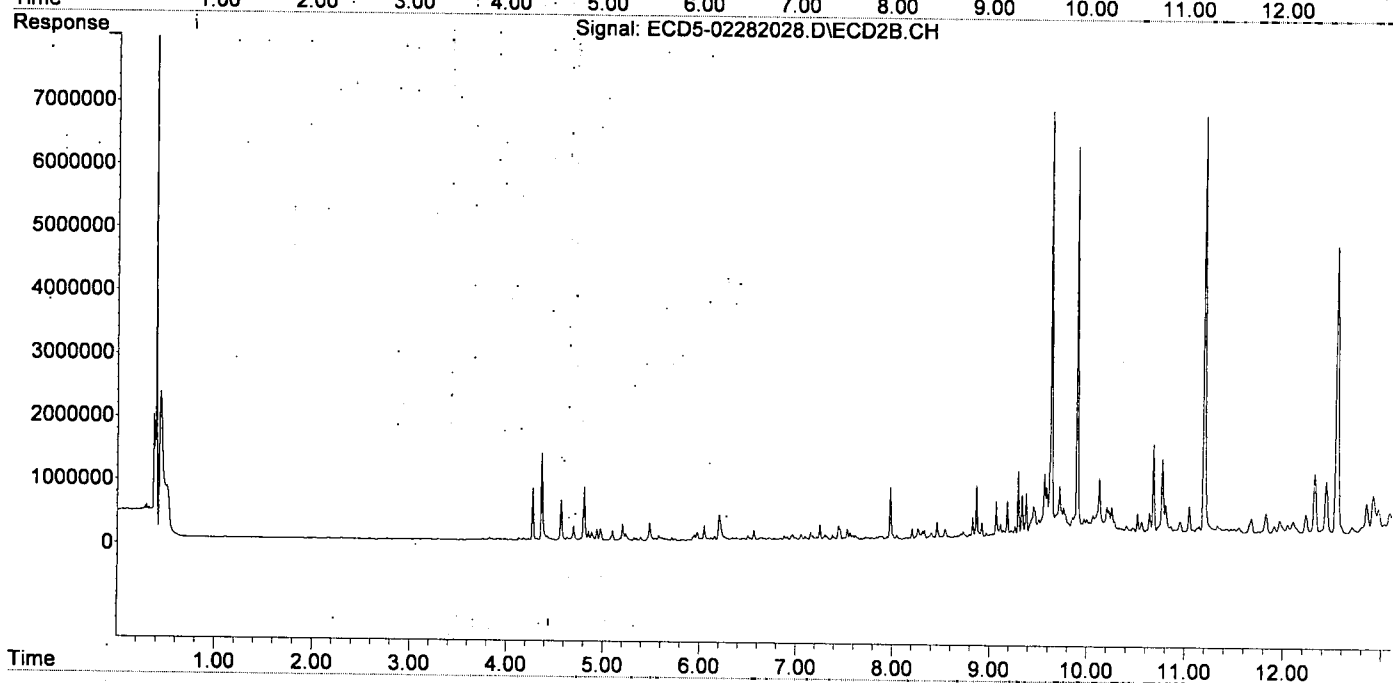
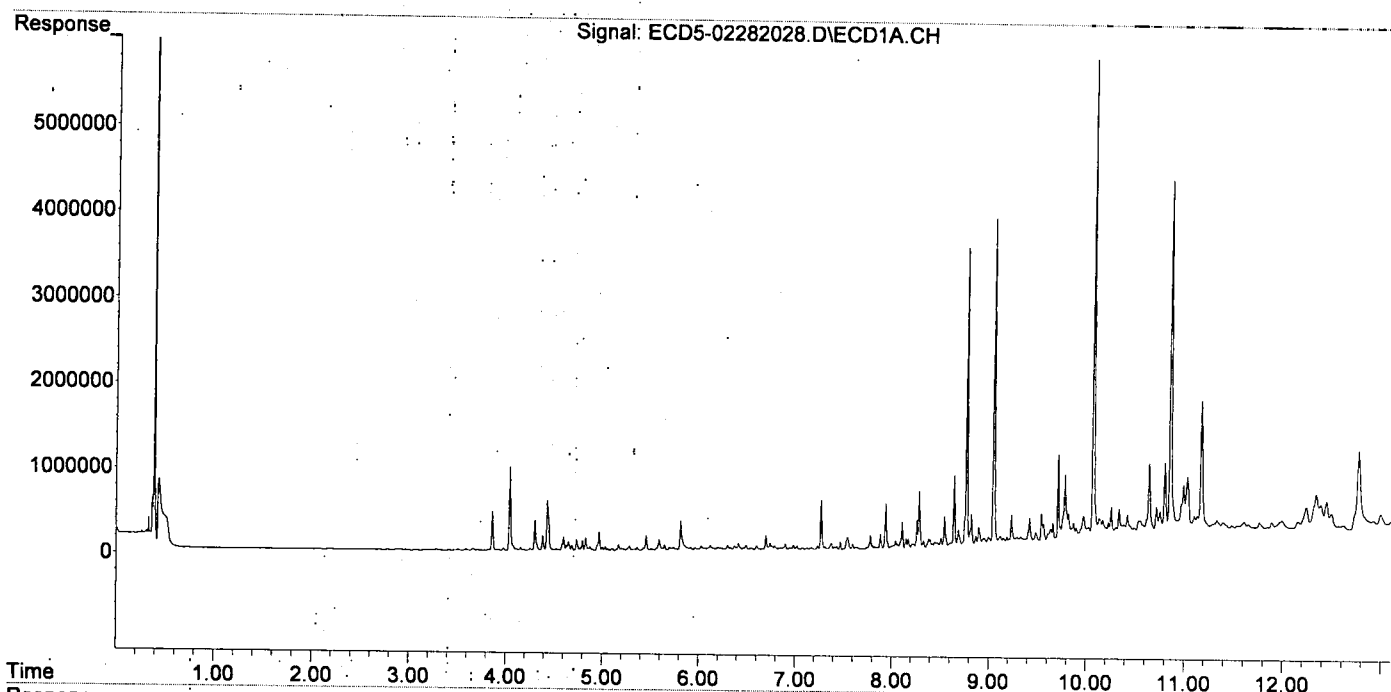
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.456	6.047	175293	233276	0.816	0.677
22) S DCBP (S)	9.658	10.636	224469	354985	1.179	1.830 #
Target Compounds						
2) a-BHC	6.027f	6.676	46606	24749	0.163	0.079 #
3) g-BHC	6.302	6.959	59067	84029	0.234	0.206
4) b-BHC	6.373	7.051	49845	89740	0.274	0.361 #
5) Heptachlor	6.698	7.377f	167578	70675	0.719	0.190 #
6) d-BHC	6.492	7.298	55981	82185	0.222	0.152 #
7) Aldrin	6.948	7.613	26966	68879	0.112	0.182 #
8) Heptachlo...	7.409	8.042	31296	62984	0.139	0.183 #
9) trans-Chl...	7.469f	8.201	93423	163672	0.411	0.463
10) cis-Chlor...	7.597	8.308	65973	130511	0.299	0.391 #
11) Endosulfa...	7.692	8.328f	8351	134837	0.041	0.434 #
12) 4,4'-DDE	7.651	8.401	18791	99470	0.083	0.331 #
13) Dieldrin	7.856	8.541	21164	149402	0.092	0.431 #
14) Endrin	8.041	8.794	88589	64576	0.534	0.264 #
15) 4,4'-DDD	8.065	8.824	48183	326784	0.259	1.238 #
16) Endosulfa...	8.170	8.919	112026	239908	0.437	0.808 #
17) 4,4'-DDT	8.260	9.065	323225	572958	2.293	3.211 #
18) Endrin Al...	8.474	9.179	51221	571054	BelowCal	2.275
19) Endosulfa...	8.772	9.373	3486699	702536	21.897	2.859 #
20) Methoxychlor	8.609	9.560f	46854	1002592	0.492	10.753 #
21) Endrin Ke...	8.942f	9.756	80375	457093	0.175	1.643 #
23) Hexachlor...	3.284f	3.751	13857	29256	0.062	0.067
24) Hexachlor...	5.813f	6.526	343928	30466	1.529	0.083 #
25) Oxychlorane	7.307	7.974	36518	807894	0.182	2.629 #
26) 2,4'-DDE	7.409	8.201	31296	163672	0.205	0.695 #
27) trans-Non...	7.597	8.259	65973	160317	0.295	0.471 #
28) 2,4'-DDD	7.779	8.579	162568	29457	1.186	0.141 #
29) 2,4'-DDT	7.938	8.794	530959	64576	4.106	0.421 #
30) cis-Nonac...	8.041	8.824	88589	326784	0.354	0.870 #
31) Mirex	8.687f	9.756	197314	457093	1.173	2.235 #
32) Chlordane...	7.469f	8.201	93423	163672	3.765	3.857
33) Chlordane...	7.597	8.308	65973	130511	2.396	3.716 #
34) Chlordane...	8.147	8.965	111844	80634	14.925	7.489 #
35) Chlordane...	3.748	3.751	6319	29256	NoCal	NoCal
36) Toxaphene...	7.544f	8.541	146189	149402	137.859	52.837 #
37) Toxaphene...	7.856	8.863	21164	820354	10.746	236.469 #
38) Toxaphene...	8.170	8.919	112026	239908	27.874	41.784 #
39) Toxaphene...	8.397	9.006f	94052	62386	24.071	6.746 #
40) Toxaphene...	8.645	9.151	833106	106182	276.161	20.934 #
41) Toxaphene...	8.687f	9.560	197314	1002592	50.032	187.701 #
42) Toxaphene...	3.748	3.751	6319	29256	NoCal	NoCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 19:46
 Operator : MJB
 Sample : A0B0681-05RE1@50
 Misc : 50x, 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: Mar 02 15:28:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 20:54
 Operator : MJB
 Sample : 0B28031-CCV5
 Misc : A19K133, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:28:57 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
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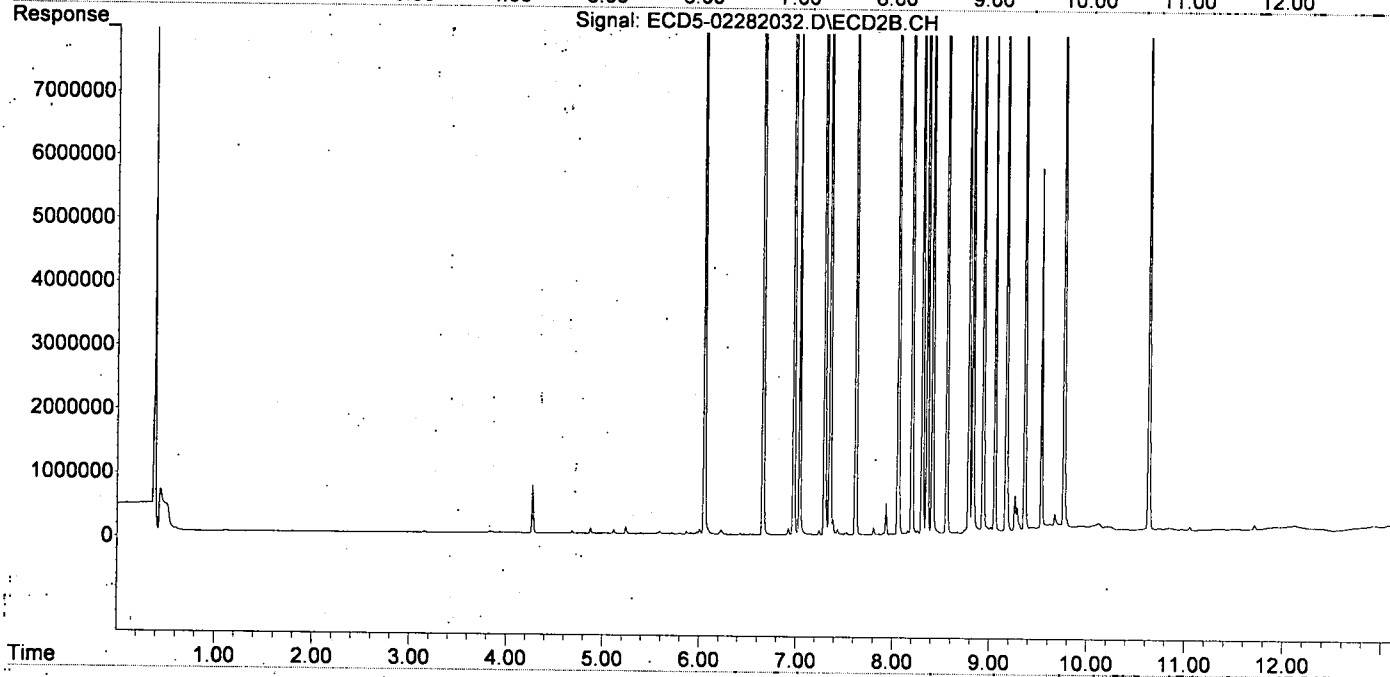
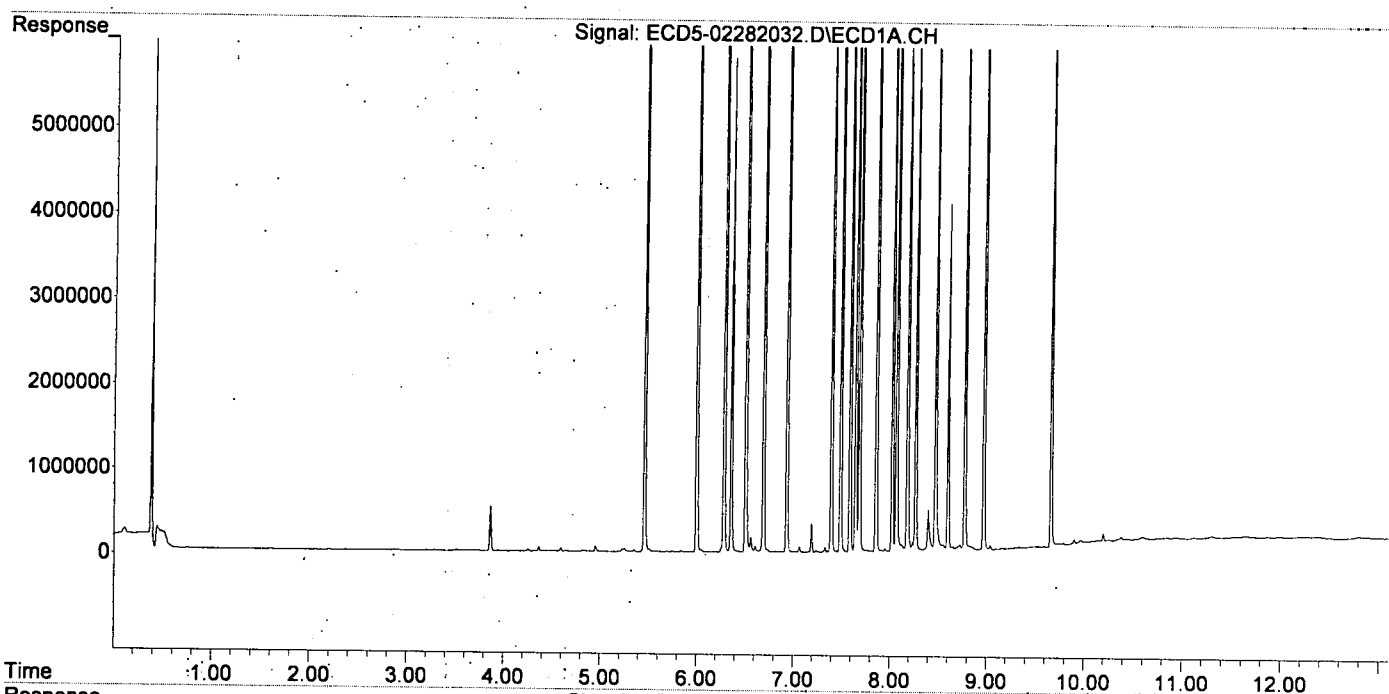
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.458	6.049	11305001	18305267	52.600	53.150
22) S DCBP (S)	9.661	10.634	8448303	10426430	53.390	53.758
Target Compounds						
2) a-BHC	5.999	6.657	15920112	26719100	55.704	56.719
3) g-BHC	6.282	6.976	13890282	23130053	55.030	56.601
4) b-BHC	6.357	7.038	5741438	9561090	53.734	55.675
5) Heptachlor	6.692	7.352	12970415	21808610	55.636	58.572
6) d-BHC	6.507	7.295	13244927	22360070	52.670	57.288
7) Aldrin	6.934	7.619	13334537	21655077	55.496	57.081
8) Heptachlo...	7.396	8.058	11998735	19038926	53.301	55.186
9) trans-Chl...	7.490	8.198	12354806	19367109	54.296	54.794
10) cis-Chlor...	7.588	8.306	11925832	18861322	53.966	56.565
11) Endosulfa...	7.686	8.357	10887322	17459741	52.861	56.256
12) 4,4'-DDE	7.646	8.410	12336144	19806889	54.723	56.209
13) Dieldrin	7.859	8.558	12274292	19931609	53.257	57.541
14) Endrin	8.024	8.787	9667969	14523209	58.330	60.444
15) 4,4'-DDD	8.069	8.827	10600484	16557904	56.889	58.420
16) Endosulfa...	8.181	8.933	9331537	15019838	55.095	58.050
17) 4,4'-DDT	8.267	9.055	8801786	11942625	58.794	56.718
18) Endrin Al...	8.472	9.171	8198901	12757324	54.375	56.073
19) Endosulfa...	8.774	9.362	8856135	14353552	55.897	61.679
20) Methoxychlor	8.601	9.533	4042446	5694638	54.911	55.907
21) Endrin Ke...	8.969	9.764	10280601	16151536	53.180	59.891
23) Hexachlor...	3.285f	0.000	8631	0	0.039	N.D. #
24) Hexachlor...	5.840	6.531	17586	11229	0.078	0.031 #
25) Oxychlorane	7.331	7.981	57355	11716	0.286	0.038 #
26) 2,4'-DDE	7.396	8.198	11998735	19367109	78.660	82.277
27) trans-Non...	7.588	8.259	11925832	55299	53.242	0.163 #
28) 2,4'-DDD	7.772	8.558	18151	19931609	0.132	95.408 #
29) 2,4'-DDT	7.952	8.787	31141	14523209	0.241	73.519 #
30) cis-Nonac...	8.069	8.827	10600484	16557904	42.349	44.090
31) Mirex	8.724	9.764	59275	16151536	0.194	78.603 #
32) Chlordane...	7.490	8.198	12354806	19367109	497.925	456.350
33) Chlordane...	7.588	8.306	11925832	18861322	433.065	537.092
34) Chlordane...	0.000	8.933f	0	15019838	N.D.	1395.027 #
35) Chlordane...	3.744	0.000	5066	0	NoCal	N.D.
36) Toxaphene...	7.588f	8.558f	11925832	19931609	11246.315	7049.009 #
37) Toxaphene...	7.859	0.000	12274292	0	6231.883	N.D. #
38) Toxaphene...	8.181	8.933	9331537	15019838	2321.834	2615.951
39) Toxaphene...	8.397	9.014f	472597	90113	120.955	9.744 #
40) Toxaphene...	8.655	9.171	40422	12757324	13.399	2515.160 #
41) Toxaphene...	8.724	9.533	59275	5694638	15.030	1066.128 #
42) Toxaphene...	3.744	0.000	5066	0	NoCal	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 20:54
Operator : MJB
Sample : 0B28031-CCV5
Misc : A19K133, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:28:57 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 21:11
 Operator : MJB
 Sample : 0B28031-CCV6
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:29:02 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
 2/27/20

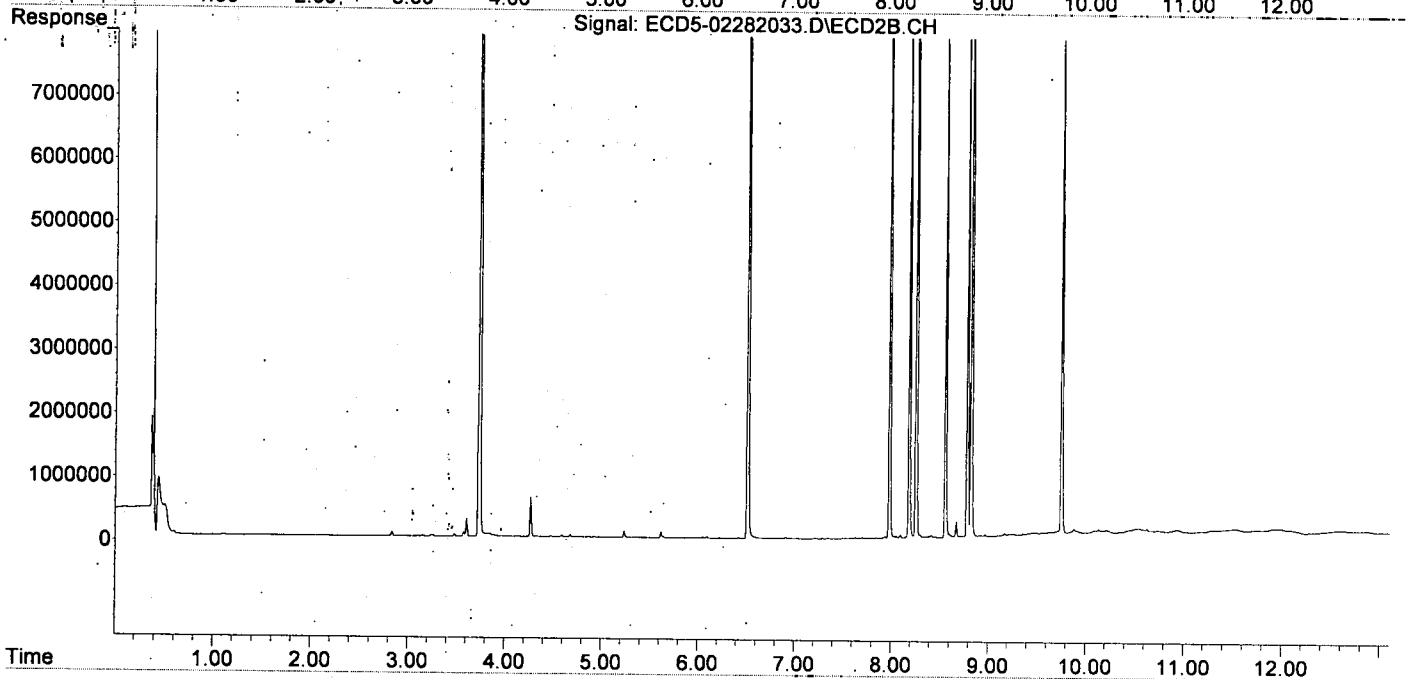
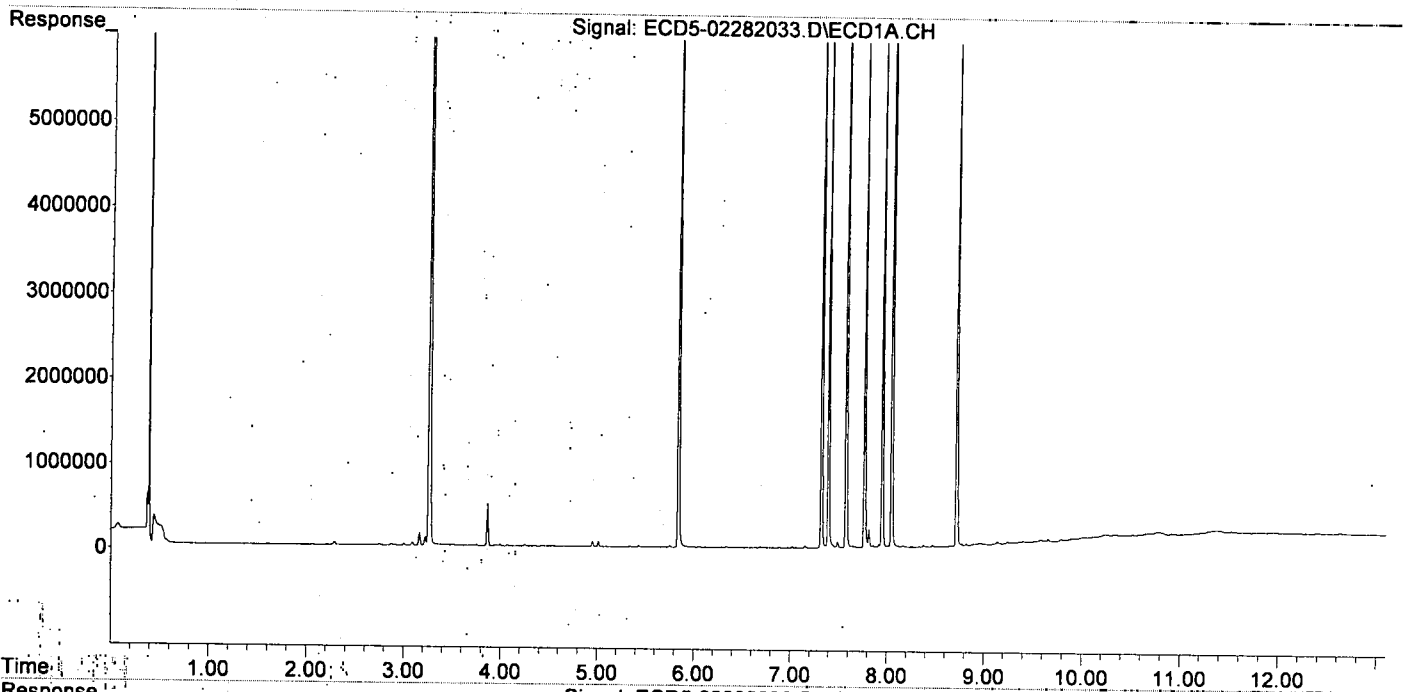
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.429f	6.051	22625	18868	0.105	0.055 #
22) S DCBP (S)	9.660	10.632	64445	68639	0.158	0.354 #
Target Compounds						
2) a-BHC	5.990	0.000	8124	0	0.028	N.D. #
3) g-BHC	6.290	0.000	6350	0	0.025	N.D. #
4) b-BHC	6.339	7.037	14031	5889	13405.768	BelowCal #
5) Heptachlor	6.691	7.350	12040	16350	0.052	0.044
6) d-BHC	6.505	7.293	7135	9724	0.028	BelowCal #
7) Aldrin	6.973f	7.629	5409	11253	0.023	0.030 #
8) Heptachlo...	7.393	8.054	6853140	37034	30.443	0.107 #
9) trans-Chl...	7.488	8.187	73183	10731149	0.322	30.361 #
10) cis-Chlor...	7.576	8.301	10116049	46755	45.777	0.140 #
11) Endosulfa...	7.648f	8.362	17323	16000	0.084	0.052 #
12) 4,4'-DDE	7.648	8.418	17323	31457	0.077	0.127 #
13) Dieldrin	7.857	8.561	25598	9911696	0.111	28.614 #
14) Endrin	8.012	8.787	17075	9400864	0.103	40.328 #
15) 4,4'-DDD	8.048f	8.827	11504300	17994581	61.740	63.118
16) Endosulfa...	8.161f	8.932	20184	19561	BelowCal	BelowCal
17) 4,4'-DDT	0.000	9.053	0	3222	N.D.	0.100 #
18) Endrin Al...	8.473	9.170	19786	37667	BelowCal	BelowCal
19) Endosulfa...	8.772	9.360	27729	16964	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.969	9.756	31572	9436985	BelowCal	36.025
23) Hexachlor...	3.260	3.736	11176274	21677373	50.302	49.812
24) Hexachlor...	5.838	6.515	9966397	16560293	44.295	45.307
25) Oxychlorane	7.321	7.984	9089831	14277923	45.385	46.469
26) 2,4'-DDE	7.393	8.187	6853140	10731149	44.927	45.589
27) trans-Non...	7.576	8.259	10116049	15430740	45.162	45.347
28) 2,4'-DDD	7.767	8.561	6152092	9911696	44.900	47.445
29) 2,4'-DDT	7.951	8.787	6511191	9400864	50.353	50.162
30) cis-Nonac...	8.048	8.827	11504300	17994581	45.959	47.915
31) Mirex	8.718	9.756	6693960	9436985	46.792	47.181
32) Chlordane...	7.488	8.187	73183	10731149	2.949	252.860 #
33) Chlordane...	7.576	8.301	10116049	46755	367.346	1.331 #
34) Chlordane...	8.161f	8.972	20184	28013	2.693	2.602
35) Chlordane...	3.749	3.736	14044	21677373	NoCal	NoCal
36) Toxaphene...	7.576	8.561f	10116049	9911696	9539.652	3505.369 #
37) Toxaphene...	7.857	8.912f	25598	21299	12.996	6.139 #
38) Toxaphene...	8.161	8.912	20184	21299	5.022	3.710 #
39) Toxaphene...	8.379f	8.972	20440	28013	5.231	3.029 #
40) Toxaphene...	0.000	9.170	0	37667	N.D.	7.426 #
41) Toxaphene...	8.718	0.000	6693960	0	1697.371	N.D. #
42) Toxaphene...	3.749	3.736	14044	21677373	NoCal	NoCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 21:11
Operator : MJB
Sample : 0B28031-CCV6
Misc : A19J408, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:29:02 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Data Path : C:\msdchem\1\data\2020-02\0B28031\
 Data File : ECD5-02282034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 21:29
 Operator : MJB
 Sample : 0B28031-CCB3
 Misc : A20B383
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 02 15:29:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
3/2/20

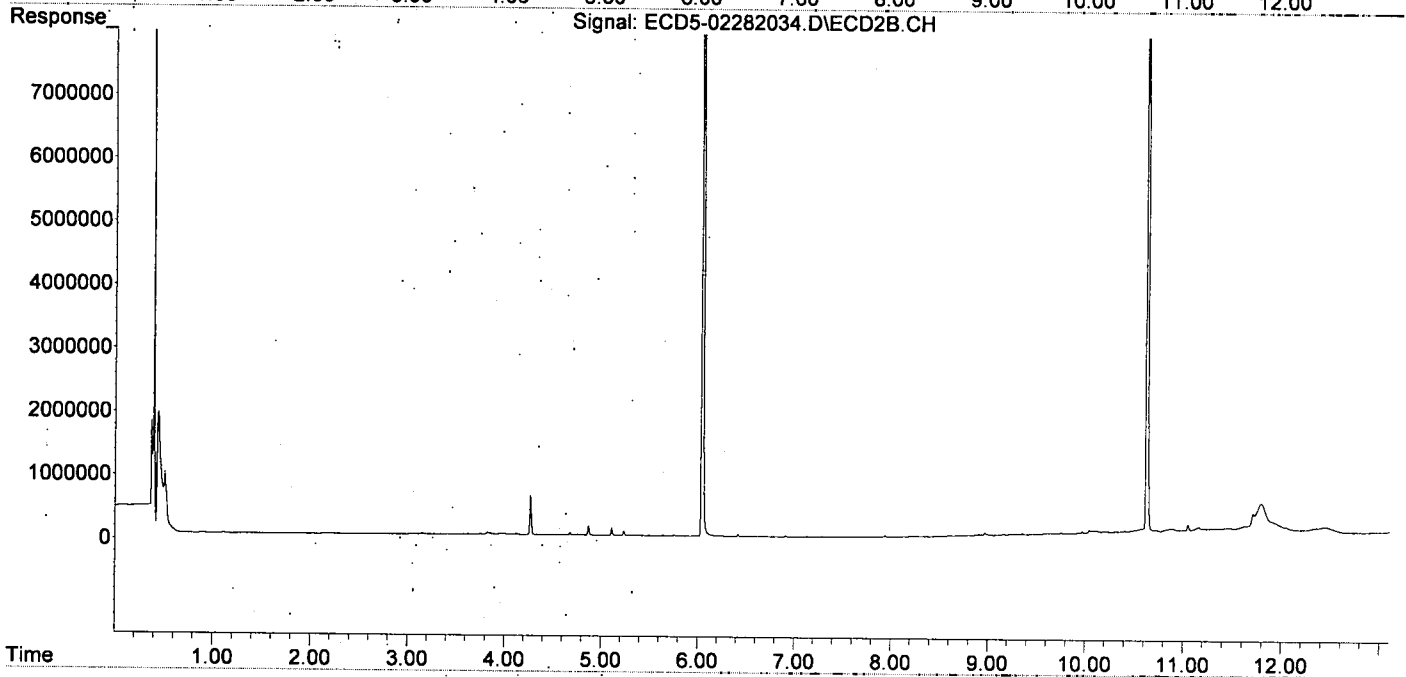
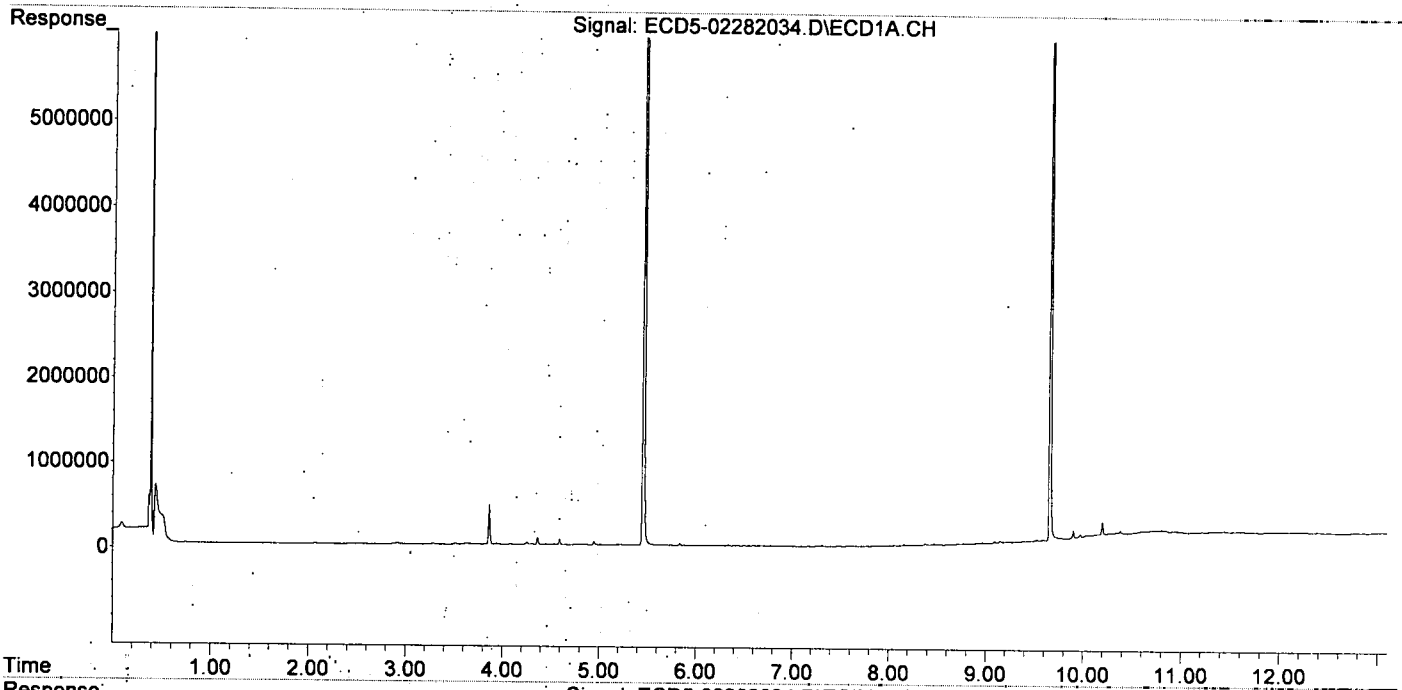
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.457	6.047	20217487	33847651	94.068	98.277
22) S DCBP (S)	9.659	10.633	15793759	19390440	99.617	99.976
Target Compounds						
2) a-BHC	5.991	0.000	3937	0	0.014	N.D. #
3) g-BHC	6.291	0.000	5522	0	0.022	N.D. #
4) b-BHC	6.340	0.000	13178	0	13405.776	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.504	7.292	5225	5848	0.021	BelowCal #
7) Aldrin	0.000	7.628	0	11270	N.D.	0.030 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.475	0.000	6955	0	0.031	N.D. #
10) cis-Chlor...	7.573	0.000	4103	0	0.019	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.637	0.000	1128	0	0.005	N.D. #
13) Dieldrin	7.857	0.000	2285	0	0.010	N.D. #
14) Endrin	8.019	0.000	3907	0	0.024	N.D. #
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	8.161	8.933	16772	16062	BelowCal	BelowCal
17) 4,4'-DDT	8.235f	9.082f	4751	1635	0.025	0.092 #
18) Endrin Al...	8.472	9.170	19216	18093	BelowCal	BelowCal
19) Endosulfa...	8.774	9.359	17113	15547	BelowCal	BelowCal
20) Methoxychlor	0.000	9.532	0	6879	N.D.	0.035 #
21) Endrin Ke...	8.969	9.760	17482	20083	BelowCal	BelowCal
23) Hexachlor...	3.282f	3.751	13717	12718	0.062	0.029 #
24) Hexachlor...	5.838	6.531	27646	7939	0.123	0.022 #
25) Oxychlorane	7.312	0.000	14969	0	0.075	N.D. #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	7.573	0.000	4103	0	0.018	N.D. #
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.928f	0.000	3942	0	0.030	N.D. #
30) cis-Nonac...	8.019f	0.000	3907	0	0.016	N.D. #
31) Mirex	8.719	9.760	11626	20083	BelowCal	BelowCal
32) Chlordane...	7.475	0.000	6955	0	0.280	N.D. #
33) Chlordane...	7.573	0.000	4103	0	0.149	N.D. #
34) Chlordane...	8.121	8.972	4835	36628	0.645	3.402 #
35) Chlordane...	3.741f	3.751	7778	12718	NoCal	NoCal
36) Toxaphene...	7.573	0.000	4103	0	3.869	N.D. #
37) Toxaphene...	7.857	8.911f	2285	20767	1.160	5.986 #
38) Toxaphene...	8.161	8.911	16772	20767	4.173	3.617
39) Toxaphene...	8.378f	8.972	23312	36628	5.966	3.961 #
40) Toxaphene...	8.676f	9.170	9408	18093	3.118	3.567
41) Toxaphene...	8.719	9.532	11626	6879	2.948	1.288 #
42) Toxaphene...	3.741	3.751	7778	12718	NoCal	NoCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B28031\
Data File : ECD5-02282034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 21:29
Operator : MJB
Sample : 0B28031-CCB3
Misc : A20B383
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 02 15:29:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



**Organochloride Pesticides by EPA 8081B
Calibration Data**

Sequence 0B25043 (Cal ID A0C0203) DualECD5



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0B25043**

Instrument: **DUALECD5**

Date: **02/25/20 11:12**

Calibration: **A0C0203**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0B25043-BKD1	Water	QC	QC				A20A019
2	0B25043-BKD2	Water	QC	QC				A20A019
3	0B25043-ICB1	Water	QC	QC				A20A395
4	0B25043-CAL1	Water	QC	QC				A20B330
5	0B25043-CAL2	Water	QC	QC				A20B331
6	0B25043-CAL3	Water	QC	QC				A19K128
7	0B25043-CAL4	Water	QC	QC				A19K130
8	0B25043-CAL5	Water	QC	QC				A19K131
9	0B25043-CAL6	Water	QC	QC				A19K132
10	0B25043-CAL7	Water	QC	QC				A19K133
11	0B25043-CAL8	Water	QC	QC				A19K134
12	0B25043-CAL9	Water	QC	QC				A19K126
13	0B25043-IBL1	Water	QC	QC				
14	0B25043-ICV1	Water	QC	QC				A19I209
15	0B25043-CALA	Water	QC	QC				A20B332
16	0B25043-CALB	Water	QC	QC				A19K263
17	0B25043-CALC	Water	QC	QC				A19K264
18	0B25043-CALD	Water	QC	QC				A19K265
19	0B25043-CALE	Water	QC	QC				A19K266
20	0B25043-CALF	Water	QC	QC				A19J407
21	0B25043-CALG	Water	QC	QC				A19J408
22	0B25043-CALH	Water	QC	QC				A19J409
23	0B25043-CALI	Water	QC	QC				A19K262
24	0B25043-IBL2	Water	QC	QC				
25	0B25043-ICV2	Water	QC	QC				A19J410
26	0B25043-CALJ	Water	QC	QC				A20B333
27	0B25043-CALK	Water	QC	QC				A19K307
28	0B25043-CALL	Water	QC	QC				A19K308
29	0B25043-CALM	Water	QC	QC				A19K309
30	0B25043-CALN	Water	QC	QC				A19K310
31	0B25043-CALO	Water	QC	QC				A19K311
32	0B25043-CALP	Water	QC	QC				A19K306
33	0B25043-IBL3	Water	QC	QC				
34	0B25043-ICV3	Water	QC	QC				A19K312
35	0B25043-CALQ	Water	QC	QC				A20B334
36	0B25043-CALR	Water	QC	QC				A19J417
37	0B25043-CALS	Water	QC	QC				A19J418
38	0B25043-CALT	Water	QC	QC				A19J419
39	0B25043-CALU	Water	QC	QC				A19J420
40	0B25043-CALV	Water	QC	QC				A19J421
41	0B25043-CALW	Water	QC	QC				A19J416
42	0B25043-IBL4	Water	QC	QC				
43	0B25043-ICV4	Water	QC	QC				A19J422

Data Entered By: MJB 3/2/20

Comments: ICAL

Data Reviewed By: MJF 3/3/20

Calibration Status Report SV-ECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200225.M
 Title : Instrument: DualECD5
 Last Update : Wed Feb 26 15:13:42 2020
 Response Via : Initial Calibration

ADC 0203

*MJR
2/26/20*

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252039.D
2	2	50	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252040.D
3	3	100	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252041.D
4	4	200	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252042.D
5	5	500	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252043.D
6	6	1000	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252044.D
7	7	2000	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252045.D
8	8	-1	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252026.D
9	9	-1	0	C:\msdchem\1\data\2020-02\0B25043\ECD5-02252027.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Feb 26 15:12 2020	Feb 26 15:05 2020	25 Feb 2020 23:13
2	2	Feb 26 15:13 2020	Feb 26 15:06 2020	25 Feb 2020 23:30
3	3	Feb 26 15:13 2020	Feb 26 15:06 2020	25 Feb 2020 23:47
4	4	Feb 26 15:13 2020	Feb 26 15:07 2020	26 Feb 2020 0:04
5	5	Feb 26 15:13 2020	Feb 26 15:04 2020	26 Feb 2020 0:21
6	6	Feb 26 15:13 2020	Feb 26 15:08 2020	26 Feb 2020 0:38
7	7	Feb 26 15:13 2020	Feb 26 15:08 2020	26 Feb 2020 0:55
8	8	Feb 26 15:11 2020	Feb 26 14:54 2020	25 Feb 2020 19:30
9	9	Feb 26 15:11 2020	Feb 26 14:55 2020	25 Feb 2020 19:47

ECD5_QUANTPEST_200225.M Wed Feb 26 17:11:39 2020

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPREST_200225.M
 Title : Instrument: DualECD5
 Last Update : Wed Feb 26 15:13:42 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD5-02252039.D 2 =ECD5-02252040.D 3 =ECD5-02252041.D 4 =ECD5-02252042.D 5 =ECD5-02252043.D
 6 =ECD5-02252044.D 7 =ECD5-02252045.D 8 =ECD5-02252026.D 9 =ECD5-02252027.D

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1) S TCMX (S)	2.491	2.337	2.197	2.008	1.998	1.949	2.146	2.181	2.036	2.149	8.25
2) a-BHC	2.901	2.797	2.795	2.764	2.743	2.754	3.042	3.089	2.837	2.858	4.46
3) g-BHC	2.651	2.515	2.476	2.456	2.419	2.388	2.673	2.668	2.471	2.524	4.39
4) b-BHC	1.471	1.289	1.189	1.095	1.085	1.000	1.116	1.115	1.026	1.154	12.68
5) Heptachlor	2.573	2.322	2.304	2.223	2.236	2.139	2.417	2.470	2.296	2.331	5.77
6) g-BHC	2.989	2.573	2.423	2.378	2.405	2.276	2.578	2.569	2.440	2.515	8.17
7) Aldrin	2.495	2.396	2.344	2.294	2.349	2.297	2.543	2.578	2.328	2.403	4.51
8) Heptachlor Exp...	2.579	2.354	2.255	2.171	2.106	2.104	2.267	2.317	2.107	2.251	6.90
9) trans-Chlordane	2.502	2.322	2.248	2.155	2.157	2.147	2.353	2.380	2.216	2.275	5.38
10) cis-Chlordane	2.516	2.275	2.213	2.070	2.102	2.027	2.292	2.299	2.095	2.210	6.99
11) Endosulfan I	2.295	2.144	2.076	2.029	2.002	1.887	2.066	2.111	1.927	2.060	5.87
12) 4,4'-DDE	2.311	2.197	2.168	2.169	2.208	2.139	2.447	2.435	2.215	2.254	5.15
13) Dieldrin	2.550	2.318	2.230	2.261	2.231	2.108	2.393	2.436	2.215	2.305	5.84
14) Endrin	1.791	1.644	1.604	1.563	1.584	1.519	1.722	1.802	1.688	1.657	6.05
15) 4,4'-DDD	2.017	1.845	1.860	1.771	1.846	1.643	1.963	2.004	1.822	1.863	6.38
16) Endosulfan II	2.470	2.015	1.878	1.740	1.755	1.535	1.765	1.817	1.688	1.851	14.38
17) 4,4'-DDT	1.465	1.366	1.368	1.355	1.458	1.332	1.620	1.687	1.645	1.478	9.37
18) Endrin Aldehyde	2.824	2.182	1.928	1.581	1.552	1.382	1.560	1.606	1.463	1.786	25.81
19) Endosulfan Sul...	2.883	2.174	1.922	1.634	1.704	1.442	1.635	1.705	1.566	1.852	23.84
20) Methoxychlor	9.495	8.106	7.972	6.966	7.208	6.556	7.660	8.281	8.000	7.805	10.99
21) Endrin Ketone	2.823	2.368	2.149	1.959	1.963	1.762	1.988	2.103	1.973	2.121	14.67
22) DCBP (S)	2.341	2.002	1.801	1.600	1.619	1.444	1.661	1.691	1.543	1.745	15.73
23) Hexachlorobuta...	2.359	2.310	2.282	2.226	2.116	2.149	1.998	2.314	2.244	2.222	5.17
24) Hexachlorobenzene	2.581	2.473	2.275	2.269	2.109	2.066	1.977	2.247	2.253	2.250	8.45
25) Oxychlordane	2.329	2.158	2.020	2.031	1.863	1.867	1.768	1.975	2.014	2.003	8.39
26) 2,4'-DDE	1.658	1.628	1.545	1.569	1.470	1.452	1.340	1.510	1.557	1.525	6.33
27) trans-Nonachlor	2.512	2.367	2.259	2.289	2.133	2.052	2.003	2.268	2.277	2.240	7.02
28) 2,4'-DDD	1.520	1.474	1.394	1.421	1.279	1.259	1.217	1.376	1.392	1.370	7.35
29) 2,4'-DDT	1.272	1.220	1.236	1.287	1.188	1.247	1.221	1.471	1.496	1.293	8.66
30) cis-Nonachlor	2.671	2.608	2.475	2.576	2.425	2.391	2.240	2.585	2.557	2.503	5.34
31) Mirex	2.000	1.774	1.656	1.562	1.417	1.380	1.305	1.438	1.511	1.560	14.03
32) Chlordane (1)	2.601	2.439	2.564	2.444	2.344	2.445	2.532			2.481	3.57
33) Chlordane (2)	2.908	2.732	2.858	2.679	2.631	2.640	2.829			2.754	4.05
34) Chlordane (3)	7.870	7.271	7.786	7.235	7.197	7.358	7.740			7.494	3.89
35) Chlordane - AVE										0.000	-1.00
36) Toxaphene (1)	1.134	1.163	1.079	1.044	1.005	1.016	0.982			1.060	6.42
37) Toxaphene (2)	2.300	2.176	1.991	1.871	1.806	1.837	1.807			1.970	10.00
38) Toxaphene (3)	4.468	4.163	3.885	3.823	3.812	3.991	3.991			4.019	5.77
39) Toxaphene (4)	4.325	4.077	3.720	3.757	3.789	3.824	3.859			3.907	5.57
40) Toxaphene (5)	3.045	3.113	2.904	2.957	2.902	3.053	3.143			3.017	3.23
41) Toxaphene (6)	4.389	4.033	3.796	3.785	3.747	3.931	3.924			3.944	5.60
42) Toxaphene - AVE										0.000	-1.00

Handwritten notes:
 MB
 MB
 3/12/20
 3/2/20

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200225.M
 Title : Instrument: DualECD5

Signal #2 Calibration Files
 1 =ECD5-02252039.D 2 =ECD5-02252040.D 3 =ECD5-02252041.D
 4 =ECD5-02252042.D 5 =ECD5-02252043.D 6 =ECD5-02252044.D

Compound	1	2	3	4	5	6	Avg	%RSD				
44) S TCMX (S) #2	3.871	3.521	3.435	3.092	3.137	3.127	3.564	3.741	3.507	3.444	E5	8.04
45) a-BHC #2	4.324	4.170	4.174	4.253	4.276	4.419	5.130	5.416	5.203	4.596	E5	10.91
46) g-BHC #2	4.055	3.910	3.756	3.762	3.823	3.870	4.524	4.622	4.456	4.087	E5	8.56
47) b-BHC #2	2.259	1.959	1.842	1.675	1.664	1.597	1.826	1.877	1.766	1.829	E5	10.81
48) Heptachlor #2	3.844	3.518	3.563	3.389	3.567	3.397	3.997	4.231	4.004	3.723	E5	8.15
49) d-BHC #2	4.282	3.729	3.612	3.458	3.730	3.576	4.249	4.512	4.366	3.946	E5	10.14
50) Aldrin #2	3.743	3.484	3.565	3.547	3.580	3.660	4.140	4.291	4.134	3.794	E5	8.11
51) Heptachlor Exp...	3.685	3.345	3.289	3.150	3.322	3.199	3.622	3.873	3.662	3.450	E5	7.59
52) trans-Chlordane...	3.781	3.408	3.298	3.191	3.322	3.341	3.814	3.955	3.701	3.535	E5	7.85
53) cis-Chlordane #2	3.565	3.227	3.158	3.016	3.145	3.133	3.525	3.739	3.502	3.334	E5	7.51
54) Endosulfan I #2	3.315	3.033	2.923	2.879	2.901	2.899	3.278	3.448	3.257	3.104	E5	7.10
55) 4,4'-DDE #2	3.231	3.111	3.130	3.107	3.338	3.382	3.791	4.021	3.777	3.436	E5	10.21
56) Dieldrin #2	3.460	3.261	3.196	3.134	3.244	3.291	3.797	4.021	3.777	3.464	E5	9.22
57) Endrin #2	2.367	2.217	2.176	2.142	2.200	2.195	2.520	2.753	2.774	2.372	E5	10.59
58) 4,4'-DDD #2	2.704	2.595	2.558	2.535	2.702	2.511	3.027	3.296	3.152	2.787	E5	10.56
59) Endosulfan II #2	3.345	2.828	2.635	2.434	2.495	2.295	2.706	2.937	2.923	2.733	E5	11.63
60) 4,4'-DDT #2	1.629	1.530	1.625	1.680	1.850	1.853	2.364	2.596	2.660	1.976	E5	22.37
61) Endrin Aldehyd...	3.876	2.932	2.665	2.237	2.212	2.015	2.427	2.557	2.508	2.603	E5	21.07
62) Endosulfan Sul...	3.890	2.897	2.982	2.301	2.342	2.072	2.406	2.598	2.575	2.630	E5	20.03
63) Methoxychlor #2	1.006	0.923	0.902	0.879	0.945	0.875	1.108	1.221	1.230	1.010	E5	14.06
64) Endrin Ketone #2	3.482	2.922	2.723	2.541	2.579	2.392	2.807	3.084	3.040	2.841	E5	11.75
65) DCBP (S) #2	2.289	2.037	1.921	1.752	1.782	1.736	1.958	2.034	1.946	1.940	E5	8.98
66) Hexachlorobuta...	4.398	4.298	4.304	4.256	4.030	4.190	3.987	4.713	4.992	4.352	E5	7.35
67) Hexachlorobenz...	4.034	3.817	3.580	3.564	3.393	3.378	3.320	3.821	3.987	3.655	E5	7.36
68) Oxychlorodane #2	3.335	3.079	2.981	3.033	2.780	2.836	2.794	3.309	3.506	3.073	E5	7.36
69) 2,4'-DDE #2	2.433	2.342	2.254	2.345	2.213	2.228	2.189	2.505	2.677	2.354	E5	8.47
70) trans-Nonachlo...	3.550	3.398	3.297	3.353	3.124	3.176	3.119	3.691	3.918	3.403	E5	8.01
71) 2,4'-DDD #2	2.249	2.179	2.015	2.060	1.932	1.941	1.888	2.200	2.338	2.089	E5	7.60
72) 2,4'-DDT #2	1.584	1.559	1.614	1.708	1.642	1.791	1.797	2.279	2.446	1.824	E5	17.50
73) cis-Nonachlor #2	3.667	3.701	3.522	3.754	3.530	3.529	3.515	4.168	4.413	3.755	E5	8.57
74) Mirex #2	2.388	2.396	2.139	2.063	1.914	1.890	1.792	2.159	2.116	2.116	E5	10.41
75) Chlordane (1) #2	4.091	3.959	4.226	4.087	4.100	4.352	4.893			4.244	E4	7.34
76) Chlordane (2) #2	3.555	3.255	3.516	3.358	3.378	3.563	3.958			3.512	E4	6.49
77) Chlordane (3) #2	1.171	1.006	1.045	1.006	1.022	1.078	1.209			1.077	E4	7.61
78) Chlordane - AV...										0.000		-1.00
79) Toxaphene (1) #2	2.998	3.034	2.800	2.767	2.667	2.769	2.759			2.828	E3	4.79
80) Toxaphene (2) #2	3.509	3.514	3.340	3.369	3.382	3.541	3.629			3.469	E3	3.08
81) Toxaphene (3) #2	6.664	5.739	5.417	5.455	5.439	5.680	5.797			5.742	E3	7.58
82) Toxaphene (4) #2	1.033	0.918	0.864	0.864	0.864	0.944	0.974			0.925	E4	6.90
83) Toxaphene (5) #2	5.465	5.074	4.807	4.870	4.850	5.137	5.302			5.072	E3	4.91
84) Toxaphene (6) #2	5.535	5.316	5.006	5.146	5.135	5.434	5.818			5.341	E3	5.22
85) Toxaphene - AV...										0.000		-1.00

(#) = Out of Range

Calibration Report SV-ECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200225.M
 Title : Instrument: DualECD5
 Last Update : Wed Feb 26 15:13:42 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD5-02252039 2 =ECD5-02252040 3 =ECD5-02252041 4 =ECD5-02252042 5 =ECD5-
 6 =ECD5-02252044 7 =ECD5-02252045 8 =ECD5-02252026 9 =ECD5-02252027

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	2.1493 e5	-----	0.0825
2)	a-BHC	Avg	-----	2.8580 e5	-----	0.0446
3)	g-BHC	Avg	-----	2.5241 e5	-----	0.0439
4)	b-BHC	Quad	2.0561 e4	1.0690 e5	-7.9739	0.9983
5)	Heptachlor	Avg	-----	2.3313 e5	-----	0.0577
6)	d-BHC	Avg	-----	2.5147 e5	-----	0.0817
7)	Aldrin	Avg	-----	2.4028 e5	-----	0.0451
8)	Heptachlor Expoxide	Avg	-----	2.2511 e5	-----	0.0690
9)	trans-Chlordane	Avg	-----	2.2755 e5	-----	0.0538
10)	cis-Chlordane	Avg	-----	2.2099 e5	-----	0.0699
11)	Endosulfan I	Avg	-----	2.0596 e5	-----	0.0587
12)	4,4'-DDE	Avg	-----	2.2543 e5	-----	0.0515
13)	Dieldrin	Avg	-----	2.3047 e5	-----	0.0584
14)	Endrin	Avg	-----	1.6575 e5	-----	0.0605
15)	4,4'-DDD	Avg	-----	1.8634 e5	-----	0.0638
16)	Endosulfan II	Quad	3.9285 e4	1.6657 e5	3.7929 e1	0.9972
17)	4,4'-DDT	Quad	1.2286 e3	1.4008 e5	1.6336 e2	0.9955
18)	Endrin Aldehyde	Quad	6.7764 e4	1.4919 e5	6.3220	0.9967
19)	Endosulfan Sulfate	Quad	6.5660 e4	1.5558 e5	3.0151 e1	0.9966
20)	Methoxychlor	Quad	1.2557 e4	6.9721 e4	6.6806 e1	0.9964
21)	Endrin Ketone	Quad	4.7340 e4	1.8841 e5	7.5487 e1	0.9977
22) S	DCBP (S)	Quad	3.9719 e4	1.5674 e5	1.4074 e1	0.9970
23)	Hexachlorobutadiene	Avg	-----	2.2219 e5	-----	0.0517
24)	Hexachlorobenzene	Avg	-----	2.2500 e5	-----	0.0845
25)	Oxychlorane	Avg	-----	2.0028 e5	-----	0.0839
26)	2,4'-DDE	Avg	-----	1.5254 e5	-----	0.0633
27)	trans-Nonachlor	Avg	-----	2.2399 e5	-----	0.0702
28)	2,4'-DDD	Avg	-----	1.3702 e5	-----	0.0735
29)	2,4'-DDT	Avg	-----	1.2931 e5	-----	0.0866
30)	cis-Nonachlor	Avg	-----	2.5031 e5	-----	0.0534
31)	Mirex	Quad	3.1977 e4	1.4093 e5	3.0756 e1	0.9968
32)	Chlordane (1)	Avg	-----	2.4813 e4	-----	0.0357
33)	Chlordane (2)	Avg	-----	2.7538 e4	-----	0.0405
34)	Chlordane (3)	Avg	-----	7.4939 e3	-----	0.0389
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	1.0604 e3	-----	0.0642
37)	Toxaphene (2)	Avg	-----	1.9696 e3	-----	0.1000
38)	Toxaphene (3)	Avg	-----	4.0190 e3	-----	0.0577
39)	Toxaphene (4)	Avg	-----	3.9072 e3	-----	0.0557
40)	Toxaphene (5)	Avg	-----	3.0167 e3	-----	0.0323
41)	Toxaphene (6)	Avg	-----	3.9437 e3	-----	0.0560
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

MB
2/26/20

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.4441 e5	-----	0.0804
2)	a-BHC	Quad	-1.0010 e4	4.3928 e5	5.6359 e2	0.9954
3)	g-BHC	Avg	-----	4.0865 e5	-----	0.0856
4)	b-BHC	Quad	2.9699 e4	1.6630 e5	8.7902 e1	0.9974
5)	Heptachlor	Avg	-----	3.7234 e5	-----	0.0815
6)	d-BHC	Quad	2.7253 e4	3.6047 e5	5.0265 e1	0.9977

7)	Aldrin	Avg	-----	3.7938	e5	-----	0.0811
8)	Heptachlor Epoxide	Avg	-----	3.4500	e5	-----	0.0759
9)	trans-Chlordane	Avg	-----	3.5345	e5	-----	0.0785
10)	cis-Chlordane	Avg	-----	3.3345	e5	-----	0.0751
11)	Endosulfan I	Avg	-----	3.1036	e5	-----	0.0710
12)	4,4'-DDE	Quad	-1.0799 e4	3.3305	e5	3.4726 e2	0.9951
13)	Dieldrin	Avg	-----	3.4639	e5	-----	0.0922
14)	Endrin	Quad	6.9865 e3	2.1846	e5	3.5902 e2	0.9972
15)	4,4'-DDD	Quad	1.1115 e3	2.6264	e5	3.5546 e2	0.9951
16)	Endosulfan II	Quad	4.6539 e4	2.3908	e5	3.2474 e2	0.9970
17)	4,4'-DDT	Quad	-1.5003 e4	1.8142	e5	5.1854 e2	0.9910
18)	Endrin Aldehyde	Quad	8.6786 e4	2.1236	e5	2.4270 e2	0.9959
19)	Endosulfan Sulfate	Quad	8.4038 e4	2.1561	e5	2.5523 e2	0.9968
20)	Methoxychlor	Quad	3.7181 e3	9.0774	e4	1.9709 e2	0.9941
21)	Endrin Ketone	Quad	4.8360 e4	2.4815	e5	3.4596 e2	0.9968
22) S	DCBP (S)	Avg	-----	1.9395	e5	-----	0.0898
23)	Hexachlorobutadiene	Avg	-----	4.3518	e5	-----	0.0735
24)	Hexachlorobenzene	Avg	-----	3.6551	e5	-----	0.0736
25)	Oxychlordane	Avg	-----	3.0726	e5	-----	0.0847
26)	2,4'-DDE	Avg	-----	2.3539	e5	-----	0.0682
27)	trans-Nonachlor	Avg	-----	3.4028	e5	-----	0.0801
28)	2,4'-DDD	Avg	-----	2.0891	e5	-----	0.0760
29)	2,4'-DDT	Quad	-5.3236 e3	1.6582	e5	4.3243 e2	0.9976
30)	cis-Nonachlor	Avg	-----	3.7555	e5	-----	0.0857
31)	Mirex	Quad	2.9778 e4	1.9080	e5	1.8195 e2	0.9953
32)	Chlordane (1)	Avg	-----	4.2439	e4	-----	0.0734
33)	Chlordane (2)	Avg	-----	3.5117	e4	-----	0.0649
34)	Chlordane (3)	Avg	-----	1.0767	e4	-----	0.0761
35)	Chlordane - AVE	Avg	-----	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	2.8276	e3	-----	0.0479
37)	Toxaphene (2)	Avg	-----	3.4692	e3	-----	0.0308
38)	Toxaphene (3)	Avg	-----	5.7416	e3	-----	0.0758
39)	Toxaphene (4)	Avg	-----	9.2479	e3	-----	0.0690
40)	Toxaphene (5)	Avg	-----	5.0722	e3	-----	0.0491
41)	Toxaphene (6)	Avg	-----	5.3414	e3	-----	0.0522
42)	Toxaphene - AVE	Avg	-----	-----	-----	-----	0.0000

ECD5_QUANTPEST_200225.M Wed Feb 26 17:12:05 2020

Compound List Report SV-ECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200225.M
 Title : Instrument: DualECD5
 Last Update : Wed Feb 26 15:13:42 2020
 Response Via : Initial Calibration

Total Cpnds : 85

*MB
2/26/20*

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.459	1.000	A	H	R
2	a-BHC	5.999	1.000	A	H	R
3	g-BHC	6.282	1.000	A	H	R
4	b-BHC	6.356	1.000	Q	H	R
5	Heptachlor	6.692	1.000	A	H	R
6	d-BHC	6.506	1.000	A	H	R
7	Aldrin	6.934	1.000	A	H	R
8	Heptachlor Expoxide	7.396	1.000	A	H	R
9	trans-Chlordane	7.490	1.000	A	H	R
10	cis-Chlordane	7.588	1.000	A	H	R
11	Endosulfan I	7.686	1.000	A	H	R
12	4,4'-DDE	7.646	1.000	A	H	R
13	Dieldrin	7.858	1.000	A	H	R
14	Endrin	8.024	1.000	A	H	R
15	4,4'-DDD	8.068	1.000	A	H	R
16	Endosulfan II	8.181	1.000	Q	H	R
17	4,4'-DDT	8.266	1.000	Q	H	R
18	Endrin Aldehyde	8.471	1.000	Q	H	R
19	Endosulfan Sulfate	8.774	1.000	Q	H	R
20	Methoxychlor	8.599	1.000	Q	H	R
21	Endrin Ketone	8.969	1.000	Q	H	R
22	S DCBP (S)	9.660	1.000	Q	H	R
23	Hexachlorobutadiene	3.261	1.000	A	H	R
24	Hexachlorobenzene	5.840	1.000	A	H	R
25	Oxychlordane	7.323	1.000	A	H	R
26	2,4'-DDE	7.395	1.000	A	H	R
27	trans-Nonachlor	7.577	1.000	A	H	R
28	2,4'-DDD	7.768	1.000	A	H	R
29	2,4'-DDT	7.951	1.000	A	H	R
30	cis-Nonachlor	8.050	1.000	A	H	R
31	Mirex	8.719	1.000	Q	H	R
32	Chlordane (1)	7.490	1.000	A	H	R
33	Chlordane (2)	7.584	1.000	A	H	R
34	Chlordane (3)	8.135	1.000	A	H	R
35	Chlordane - AVE	3.763	1.000	A	H	R
36	Toxaphene (1)	7.565	1.000	A	H	R
37	Toxaphene (2)	7.860	1.000	A	H	R
38	Toxaphene (3)	8.171	1.000	A	H	R
39	Toxaphene (4)	8.413	1.000	A	H	R
40	Toxaphene (5)	8.642	1.000	A	H	R
41	Toxaphene (6)	8.709	1.000	A	H	R
42	Toxaphene - AVE	3.757	1.000	A	H	R
43	Signal #2	3.864	1.000	A	H	R
44	S TCMX (S) #2	6.047	1.000	A	H	R
45	a-BHC #2	6.656	1.000	Q	H	R
46	g-BHC #2	6.974	1.000	A	H	R
47	b-BHC #2	7.036	1.000	Q	H	R
48	Heptachlor #2	7.350	1.000	A	H	R
49	d-BHC #2	7.293	1.000	Q	H	R
50	Aldrin #2	7.618	1.000	A	H	R
51	Heptachlor Expoxide #2	8.057	1.000	A	H	R
52	trans-Chlordane #2	8.197	1.000	A	H	R
53	cis-Chlordane #2	8.305	1.000	A	H	R
54	Endosulfan I #2	8.356	1.000	A	H	R
55	4,4'-DDT #2					

56	Dieldrin #2	8.557	1.000	A	H	R
57	Endrin #2	8.785	1.000	Q	H	R
58	4,4'-DDD #2	8.825	1.000	Q	H	R
59	Endosulfan II #2	8.932	1.000	Q	H	R
60	4,4'-DDT #2	9.053	1.000	Q	H	R
61	Endrin Aldehyde #2	9.169	1.000	Q	H	R
62	Endosulfan Sulfate #2	9.360	1.000	Q	H	R
63	Methoxychlor #2	9.532	1.000	Q	H	R
64	Endrin Ketone #2	9.763	1.000	Q	H	R
65	S DCBP (S) #2	10.632	1.000	A	H	R
66	Hexachlorobutadiene #2	3.736	1.000	A	H	R
67	Hexachlorobenzene #2	6.516	1.000	A	H	R
68	Oxychlorane #2	7.985	1.000	A	H	R
69	2,4'-DDE #2	8.187	1.000	A	H	R
70	trans-Nonachlor #2	8.259	1.000	A	H	R
71	2,4'-DDD #2	8.561	1.000	A	H	R
72	2,4'-DDT #2	8.787	1.000	Q	H	R
73	cis-Nonachlor #2	8.827	1.000	A	H	R
74	Mirex #2	9.756	1.000	Q	H	R
75	Chlordane (1) #2	8.196	1.000	A	H	R
76	Chlordane (2) #2	8.304	1.000	A	H	R
77	Chlordane (3) #2	8.969	1.000	A	H	R
78	Chlordane - AVE #2	3.743	1.000	A	H	R
79	Toxaphene (1) #2	8.533	1.000	A	H	R
80	Toxaphene (2) #2	8.882	1.000	A	H	R
81	Toxaphene (3) #2	8.917	1.000	A	H	R
82	Toxaphene (4) #2	8.986	1.000	A	H	R
83	Toxaphene (5) #2	9.162	1.000	A	H	R
84	Toxaphene (6) #2	9.544	1.000	A	H	R
85	Toxaphene - AVE #2	3.749	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

ECD5_QUANTPEST_200225.M Wed Feb 26 17:11:57 2020

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

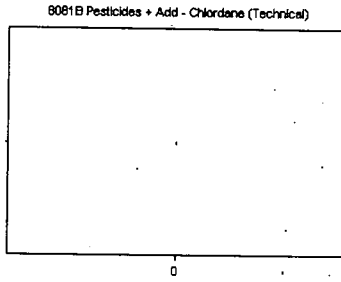
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022!**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

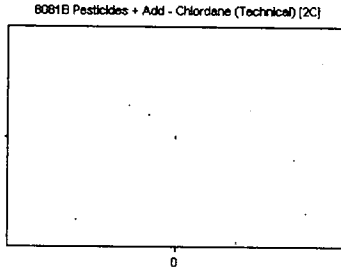


Standard	Concentration	Response	Response Factor	RT
0B25043-CALJ	40	0	0.000	0.00
0B25043-CALK	50	0	0.000	0.00
0B25043-CALL	100	0	0.000	0.00
0B25043-CALM	200	0	0.000	0.00
0B25043-CALN	500	0	0.000	0.00
0B25043-CALO	1000	0	0.000	0.00
0B25043-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

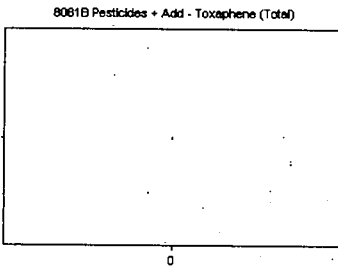


Standard	Concentration	Response	Response Factor	RT
0B25043-CALJ	40	0	0.000	0.00
0B25043-CALK	50	0	0.000	0.00
0B25043-CALL	100	0	0.000	0.00
0B25043-CALM	200	0	0.000	0.00
0B25043-CALN	500	0	0.000	0.00
0B25043-CALO	1000	0	0.000	0.00
0B25043-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

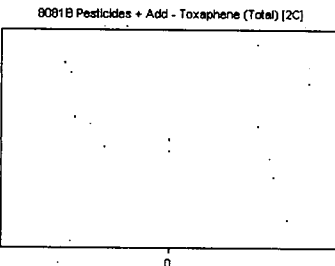


Standard	Concentration	Response	Response Factor	RT
0B25043-CALQ	40	0	0.000	0.00
0B25043-CALR	50	0	0.000	0.00
0B25043-CALS	100	0	0.000	0.00
0B25043-CALT	200	0	0.000	0.00
0B25043-CALU	500	0	0.000	0.00
0B25043-CALV	1000	0	0.000	0.00
0B25043-CALW	2000	0	0.000	0.00

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
0B25043-CALQ	40	0	0.000	0.00
0B25043-CALR	50	0	0.000	0.00
0B25043-CALS	100	0	0.000	0.00
0B25043-CALT	200	0	0.000	0.00
0B25043-CALU	500	0	0.000	0.00
0B25043-CALV	1000	0	0.000	0.00
0B25043-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: **A0C0203**

Instrument: **DUALECD5**

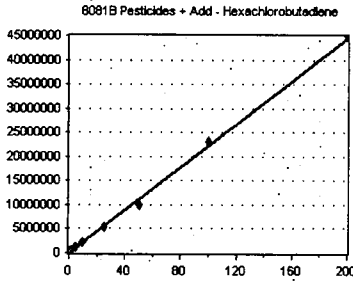
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

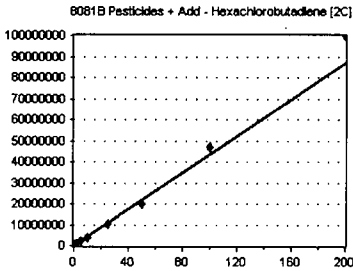


Standard	Concentration	Response	Factor	RT
OB25043-CALA	0.5	117932	235864.000	3.26
OB25043-CALB	1	231018	231018.000	3.26
OB25043-CALC	2	456305	228152.500	3.26
OB25043-CALD	5	1113082	222616.400	3.26
OB25043-CALE	10	2115564	211556.400	3.26
OB25043-CALF	25	5372243	214889.700	3.26
OB25043-CALG	50	9990291	199805.800	3.26
OB25043-CALH	100	2.313592E+07	231359.200	3.26
OB25043-CALI	200	4.488092E+07	224404.600	3.26

AVE RF 222185.200 RF RSD 5.17 AVE RT 3.26

Hexachlorobutadiene [2C]

Curve Fit: **AVERAGE RF**

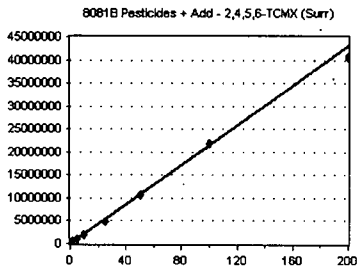


Standard	Concentration	Response	Factor	RT
OB25043-CALA	0.5	219919	439838.000	3.74
OB25043-CALB	1	429757	429757.000	3.74
OB25043-CALC	2	860733	430366.500	3.74
OB25043-CALD	5	2127786	425557.200	3.74
OB25043-CALE	10	4029851	402985.100	3.74
OB25043-CALF	25	1.04745E+07	418980.000	3.74
OB25043-CALG	50	1.993575E+07	398715.000	3.74
OB25043-CALH	100	4.712973E+07	471297.300	3.74
OB25043-CALI	200	9.983018E+07	499150.900	3.74

AVE RF 435183.000 RF RSD 7.35 AVE RT 3.74

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

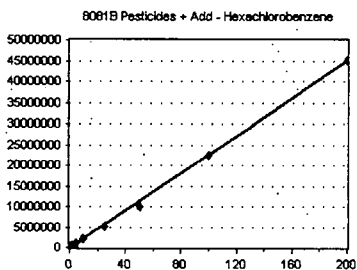


Standard	Concentration	Response	Factor	RT
OB25043-CAL1	0.5	124556	249112.000	5.46
OB25043-CAL2	1	233699	233699.000	5.46
OB25043-CAL3	2	439420	219710.000	5.46
OB25043-CAL4	5	1003988	200797.600	5.46
OB25043-CAL5	10	1998110	199811.000	5.46
OB25043-CAL6	25	4871536	194861.400	5.46
OB25043-CAL7	50	1.073165E+07	214633.000	5.46
OB25043-CAL8	100	2.181212E+07	218121.200	5.46
OB25043-CAL9	200	4.071608E+07	203580.400	5.46

AVE RF 214925.100 RF RSD 8.25 AVE RT 5.46

Hexachlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OB25043-CALA	0.5	129074	258148.000	5.84
OB25043-CALB	1	247315	247315.000	5.84
OB25043-CALC	2	454930	227465.000	5.84
OB25043-CALD	5	1134739	226947.800	5.84
OB25043-CALE	10	2108819	210881.900	5.84
OB25043-CALF	25	5164469	206578.800	5.84
OB25043-CALG	50	9886431	197728.600	5.84
OB25043-CALH	100	2.247008E+07	224700.800	5.84
OB25043-CALI	200	4.505024E+07	225251.200	5.84

AVE RF 225001.900 RF RSD 8.45 AVE RT 5.84

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

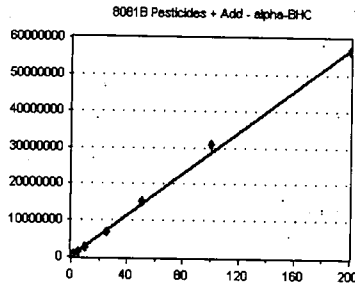
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

alpha-BHC

Curve Fit: **AVERAGE RF**

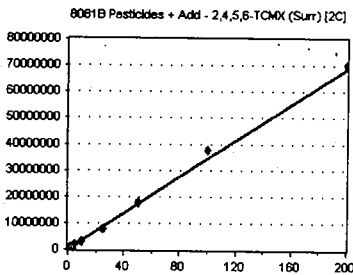


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	145037	290074.000	6.00
OB25043-CAL2	1	279704	279704.000	6.00
OB25043-CAL3	2	558948	279474.000	6.00
OB25043-CAL4	5	1382053	276410.600	6.00
OB25043-CAL5	10	2743087	274308.700	6.00
OB25043-CAL6	25	6884847	275393.900	6.00
OB25043-CAL7	50	1.520903E+07	304180.600	6.00
OB25043-CAL8	100	3.089188E+07	308918.800	6.00
OB25043-CAL9	200	5.674622E+07	283731.100	6.00

AVE RF 285799.500 RF RSD 4.46 AVE RT 6.00

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**

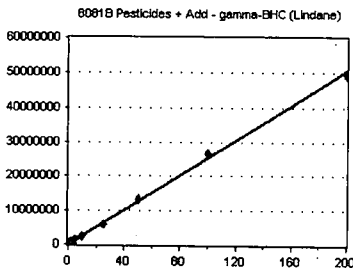


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	193527	387054.000	6.05
OB25043-CAL2	1	352114	352114.000	6.05
OB25043-CAL3	2	687097	343548.500	6.05
OB25043-CAL4	5	1546173	309234.600	6.05
OB25043-CAL5	10	3136923	313692.300	6.05
OB25043-CAL6	25	7818668	312746.700	6.05
OB25043-CAL7	50	1.782226E+07	356445.200	6.05
OB25043-CAL8	100	3.741009E+07	374100.900	6.05
OB25043-CAL9	200	7.014894E+07	350744.700	6.05

AVE RF 344409.000 RF RSD 8.04 AVE RT 6.05

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

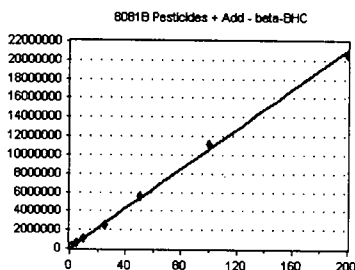


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	132571	265142.000	6.29
OB25043-CAL2	1	251453	251453.000	6.29
OB25043-CAL3	2	495165	247582.500	6.28
OB25043-CAL4	5	1227845	245569.000	6.28
OB25043-CAL5	10	2419200	241920.000	6.28
OB25043-CAL6	25	5970280	238811.200	6.28
OB25043-CAL7	50	1.336347E+07	267269.400	6.28
OB25043-CAL8	100	2.668179E+07	266817.900	6.28
OB25043-CAL9	200	4.942952E+07	247147.600	6.28

AVE RF 252412.500 RF RSD 4.39 AVE RT 6.28

beta-BHC

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	73548	147096.000	6.36
OB25043-CAL2	1	128925	128925.000	6.36
OB25043-CAL3	2	237777	118888.500	6.36
OB25043-CAL4	5	547413	109482.600	6.36
OB25043-CAL5	10	1084856	108485.600	6.36
OB25043-CAL6	25	2499762	99990.480	6.36
OB25043-CAL7	50	5581996	111639.900	6.36
OB25043-CAL8	100	1.114841E+07	111484.100	6.36
OB25043-CAL9	200	2.052119E+07	102606.000	6.36

AVE RF 115399.800 RF RSD 12.68 AVE RT 6.36

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

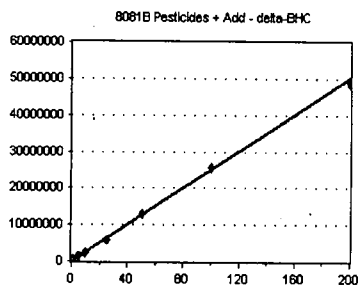
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

delta-BHC

Curve Fit: **AVERAGE RF**

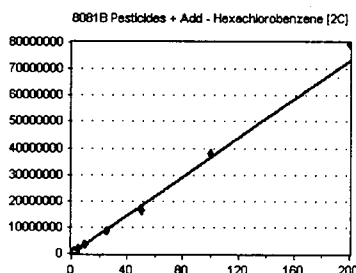


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	149468	298936.000	6.51
OB25043-CAL2	1	257306	257306.000	6.51
OB25043-CAL3	2	484609	242304.500	6.51
OB25043-CAL4	5	1189174	237834.800	6.51
OB25043-CAL5	10	2405210	240521.000	6.51
OB25043-CAL6	25	5689190	227567.600	6.51
OB25043-CAL7	50	1.288959E+07	257791.800	6.51
OB25043-CAL8	100	2.569376E+07	256937.600	6.51
OB25043-CAL9	200	4.8804E+07	244020.000	6.51

AVE RF 251468.800 **RF RSD** 8.17 **AVE RT** 6.51

Hexachlorobenzene [2C]

Curve Fit: **AVERAGE RF**

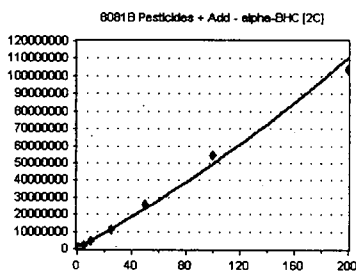


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	201711	403422.000	6.52
OB25043-CALB	1	381742	381742.000	6.52
OB25043-CALC	2	716095	358047.500	6.52
OB25043-CALD	5	1781991	356398.200	6.52
OB25043-CALE	10	3393326	339332.600	6.52
OB25043-CALF	25	8445450	337818.000	6.52
OB25043-CALG	50	1.659995E+07	331999.000	6.52
OB25043-CALH	100	3.821234E+07	382123.400	6.52
OB25043-CALI	200	7.97473E+07	398736.500	6.52

AVE RF 365513.200 **RF RSD** 7.36 **AVE RT** 6.52

alpha-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

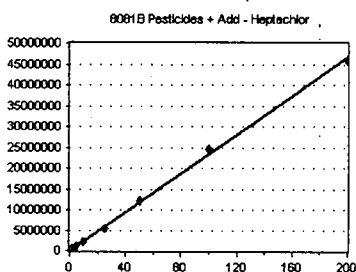


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	216180	432360.000	6.66
OB25043-CAL2	1	417011	417011.000	6.66
OB25043-CAL3	2	834863	417431.500	6.66
OB25043-CAL4	5	2126700	425340.000	6.66
OB25043-CAL5	10	4275680	427568.000	6.66
OB25043-CAL6	25	1.104867E+07	441946.800	6.66
OB25043-CAL7	50	2.565067E+07	513013.400	6.66
OB25043-CAL8	100	5.416267E+07	541626.800	6.66
OB25043-CAL9	200	1.040502E+08	520251.000	6.66

AVE RF 459616.500 **RF RSD** 10.91 **AVE RT** 6.66

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	128664	257328.000	6.70
OB25043-CAL2	1	232243	232243.000	6.70
OB25043-CAL3	2	460866	230433.000	6.69
OB25043-CAL4	5	1111456	222291.200	6.69
OB25043-CAL5	10	2236498	223649.800	6.69
OB25043-CAL6	25	5347547	213901.900	6.69
OB25043-CAL7	50	1.208574E+07	241714.800	6.69
OB25043-CAL8	100	2.470092E+07	247009.200	6.69
OB25043-CAL9	200	4.592322E+07	229616.100	6.69

AVE RF 233131.900 **RF RSD** 5.77 **AVE RT** 6.69

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

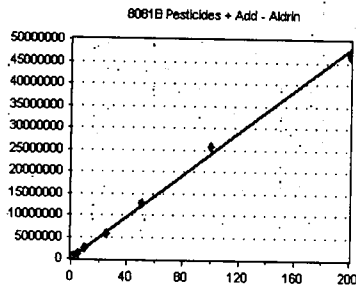
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Aldrin

Curve Fit: **AVERAGE RF**

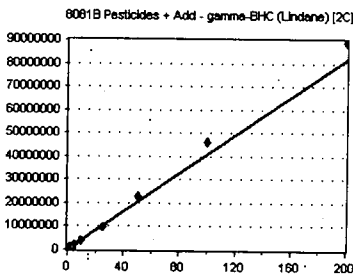


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	124739	249478.000	6.94
OB25043-CAL2	1	239630	239630.000	6.94
OB25043-CAL3	2	468839	234419.500	6.94
OB25043-CAL4	5	1146897	229379.400	6.94
OB25043-CAL5	10	2348957	234895.700	6.94
OB25043-CAL6	25	5742951	229718.000	6.94
OB25043-CAL7	50	1.271631E+07	254326.200	6.93
OB25043-CAL8	100	2.578401E+07	257840.100	6.93
OB25043-CAL9	200	4.656889E+07	232844.400	6.94

AVE RF 240281.300 RF RSD 4.51 AVE RT 6.94

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

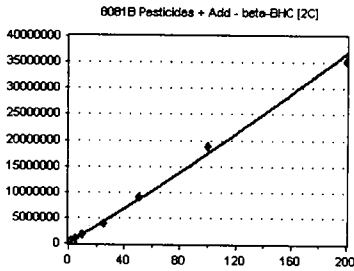


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	202742	405484.000	6.98
OB25043-CAL2	1	390959	390959.000	6.98
OB25043-CAL3	2	751240	375620.000	6.98
OB25043-CAL4	5	1881135	376227.000	6.98
OB25043-CAL5	10	3823021	382302.100	6.98
OB25043-CAL6	25	9675514	387020.600	6.98
OB25043-CAL7	50	2.262216E+07	452443.200	6.98
OB25043-CAL8	100	4.622446E+07	462244.600	6.98
OB25043-CAL9	200	8.911085E+07	445554.300	6.98

AVE RF 408650.500 RF RSD 8.56 AVE RT 6.98

beta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

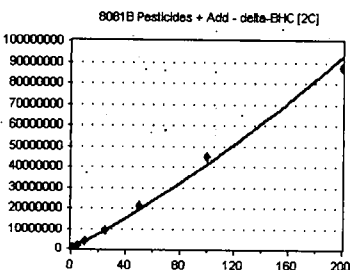


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	112940	225880.000	7.04
OB25043-CAL2	1	195905	195905.000	7.04
OB25043-CAL3	2	368359	184179.500	7.04
OB25043-CAL4	5	837376	167475.200	7.04
OB25043-CAL5	10	1664144	166414.400	7.04
OB25043-CAL6	25	3993135	159725.400	7.04
OB25043-CAL7	50	9127826	182556.500	7.04
OB25043-CAL8	100	1.876591E+07	187659.100	7.04
OB25043-CAL9	200	3.53237E+07	176618.500	7.04

AVE RF 182934.800 RF RSD 10.81 AVE RT 7.04

delta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	214107	428214.000	7.30
OB25043-CAL2	1	372903	372903.000	7.29
OB25043-CAL3	2	722490	361245.000	7.30
OB25043-CAL4	5	1729213	345842.600	7.29
OB25043-CAL5	10	3730042	373004.200	7.29
OB25043-CAL6	25	8941211	357648.400	7.29
OB25043-CAL7	50	2.124384E+07	424876.800	7.29
OB25043-CAL8	100	4.512274E+07	451227.400	7.29
OB25043-CAL9	200	8.731331E+07	436566.600	7.30

AVE RF 394614.200 RF RSD 10.14 AVE RT 7.29

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

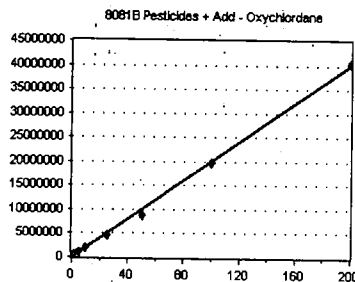
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Oxychlorane

Curve Fit: **AVERAGE RF**

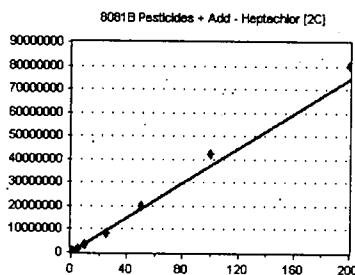


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	116445	232890.000	7.32
OB25043-CALB	1	215837	215837.000	7.32
OB25043-CALC	2	404098	202049.000	7.32
OB25043-CALD	5	1015651	203130.200	7.32
OB25043-CALE	10	1862537	186253.700	7.32
OB25043-CALF	25	4667823	186712.900	7.32
OB25043-CALG	50	8837500	176750.000	7.32
OB25043-CALH	100	1.975008E+07	197500.800	7.32
OB25043-CALI	200	4.028261E+07	201413.000	7.32

AVE RF 200281.900 **RF RSD** 8.39 **AVE RT** 7.32

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

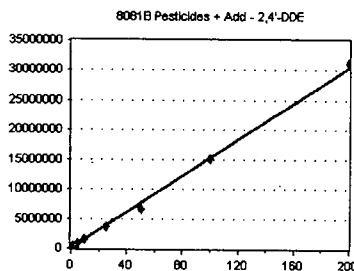


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	192196	384392.000	7.36
OB25043-CAL2	1	351823	351823.000	7.35
OB25043-CAL3	2	712528	356264.000	7.35
OB25043-CAL4	5	1694467	338893.400	7.35
OB25043-CAL5	10	3567347	356734.700	7.35
OB25043-CAL6	25	8492275	339691.000	7.35
OB25043-CAL7	50	1.998748E+07	399749.600	7.35
OB25043-CAL8	100	4.230788E+07	423078.800	7.35
OB25043-CAL9	200	8.007886E+07	400394.300	7.35

AVE RF 372335.600 **RF RSD** 8.15 **AVE RT** 7.35

2,4'-DDE

Curve Fit: **AVERAGE RF**

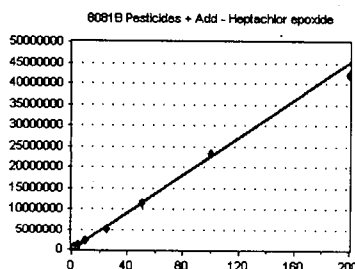


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	82916	165832.000	7.40
OB25043-CALB	1	162790	162790.000	7.40
OB25043-CALC	2	308973	154486.500	7.40
OB25043-CALD	5	784279	156855.800	7.40
OB25043-CALE	10	1469851	146985.100	7.40
OB25043-CALF	25	3629037	145161.500	7.40
OB25043-CALG	50	6700631	134012.600	7.40
OB25043-CALH	100	1.510432E+07	151043.200	7.39
OB25043-CALI	200	3.113692E+07	155684.600	7.40

AVE RF 152539.000 **RF RSD** 6.33 **AVE RT** 7.40

Heptachlor epoxide

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	128967	257934.000	7.40
OB25043-CAL2	1	235377	235377.000	7.40
OB25043-CAL3	2	451037	225518.500	7.40
OB25043-CAL4	5	1085253	217050.600	7.40
OB25043-CAL5	10	2106338	210633.800	7.40
OB25043-CAL6	25	5260106	210404.200	7.40
OB25043-CAL7	50	1.133529E+07	226705.800	7.40
OB25043-CAL8	100	2.317246E+07	231724.600	7.40
OB25043-CAL9	200	4.213246E+07	210662.300	7.40

AVE RF 225112.300 **RF RSD** 6.90 **AVE RT** 7.40

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

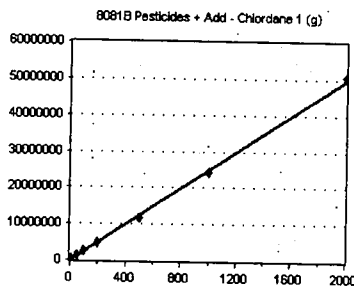
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

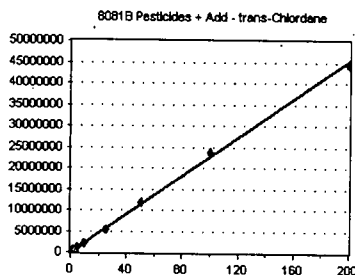


Standard	Concentration	Response	Response Factor	RT
OB25043-CALJ	10	260129	26012.900	7.49
OB25043-CALK	50	1219372	24387.440	7.49
OB25043-CALL	100	2563682	25636.820	7.49
OB25043-CALM	200	4888024	24440.120	7.49
OB25043-CALN	500	1.172032E+07	23440.640	7.49
OB25043-CALO	1000	2.444829E+07	24448.290	7.49
OB25043-CALP	2000	5.064356E+07	25321.780	7.49

AVE RF 24812.570 **RF RSD** 3.57 **AVE RT** 7.49

trans-Chlordane

Curve Fit: **AVERAGE RF**

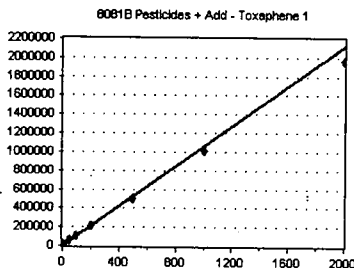


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	125113	250226.000	7.50
OB25043-CAL2	1	232235	232235.000	7.49
OB25043-CAL3	2	449517	224758.500	7.49
OB25043-CAL4	5	1077636	215527.200	7.49
OB25043-CAL5	10	2156922	215692.200	7.49
OB25043-CAL6	25	5366296	214651.800	7.49
OB25043-CAL7	50	1.176375E+07	235275.000	7.49
OB25043-CAL8	100	2.379923E+07	237992.300	7.49
OB25043-CAL9	200	4.431116E+07	221555.800	7.49

AVE RF 227546.000 **RF RSD** 5.38 **AVE RT** 7.49

Toxaphene 1

Curve Fit: **AVERAGE RF**

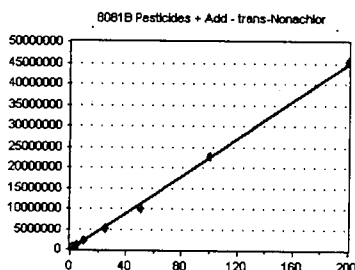


Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	11341	1134.100	7.57
OB25043-CALR	50	58140	1162.800	7.57
OB25043-CALS	100	107933	1079.330	7.57
OB25043-CALT	200	208805	1044.025	7.57
OB25043-CALU	500	502529	1005.058	7.57
OB25043-CALV	1000	1016048	1016.048	7.57
OB25043-CALW	2000	1963084	981.542	7.56

AVE RF 1060.415 **RF RSD** 6.42 **AVE RT** 7.57

trans-Nonachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	125622	251244.000	7.58
OB25043-CALB	1	236653	236653.000	7.58
OB25043-CALC	2	451765	225882.500	7.58
OB25043-CALD	5	1144259	228851.800	7.58
OB25043-CALE	10	2133448	213344.800	7.58
OB25043-CALF	25	5130994	205239.800	7.58
OB25043-CALG	50	1.001292E+07	200258.400	7.58
OB25043-CALH	100	2.267793E+07	226779.300	7.58
OB25043-CALI	200	4.553754E+07	227687.700	7.58

AVE RF 223993.500 **RF RSD** 7.02 **AVE RT** 7.58

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

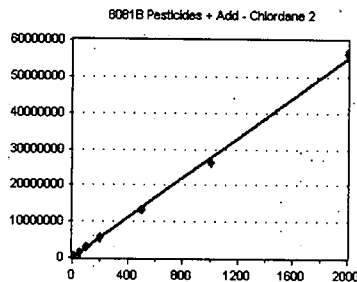
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Chlordane 2

Curve Fit: **AVERAGE RF**

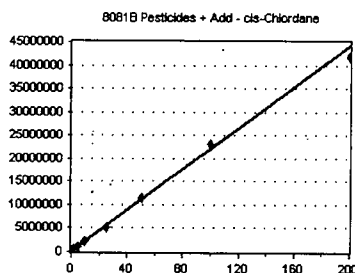


Standard	Concentration	Response	Response Factor	RT
OB25043-CALJ	10	290821	29082.100	7.59
OB25043-CALK	50	1365879	27317.580	7.58
OB25043-CALL	100	2858046	28580.460	7.58
OB25043-CALM	200	5357870	26789.350	7.58
OB25043-CALN	500	1.315567E+07	26311.340	7.58
OB25043-CALO	1000	2.639515E+07	26395.150	7.58
OB25043-CALP	2000	5.658262E+07	28291.310	7.58

AVE RF 27538.180 RF RSD 4.05 AVE RT 7.58

cis-Chlordane

Curve Fit: **AVERAGE RF**

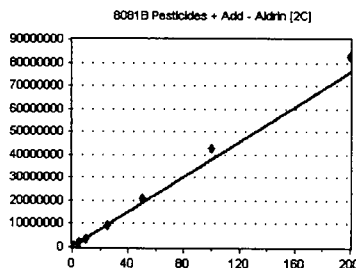


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	125794	251588.000	7.59
OB25043-CAL2	1	227540	227540.000	7.59
OB25043-CAL3	2	442664	221332.000	7.59
OB25043-CAL4	5	1034851	206970.200	7.59
OB25043-CAL5	10	2101531	210153.100	7.59
OB25043-CAL6	25	5066990	202679.600	7.59
OB25043-CAL7	50	1.146229E+07	229245.800	7.59
OB25043-CAL8	100	2.299076E+07	229907.600	7.59
OB25043-CAL9	200	4.189339E+07	209467.000	7.59

AVE RF 220987.000 RF RSD 6.99 AVE RT 7.59

Aldrin [2C]

Curve Fit: **AVERAGE RF**

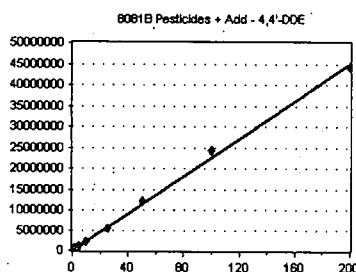


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	187155	374310.000	7.62
OB25043-CAL2	1	348395	348395.000	7.62
OB25043-CAL3	2	712936	356468.000	7.62
OB25043-CAL4	5	1773714	354742.800	7.62
OB25043-CAL5	10	3580406	358040.600	7.62
OB25043-CAL6	25	9148985	365959.400	7.62
OB25043-CAL7	50	2.069803E+07	413960.600	7.62
OB25043-CAL8	100	4.291169E+07	429116.900	7.62
OB25043-CAL9	200	8.268003E+07	413400.200	7.62

AVE RF 379377.000 RF RSD 8.11 AVE RT 7.62

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	115550	231100.000	7.65
OB25043-CAL2	1	219730	219730.000	7.65
OB25043-CAL3	2	433562	216781.000	7.65
OB25043-CAL4	5	1084606	216921.200	7.65
OB25043-CAL5	10	2207718	220771.800	7.65
OB25043-CAL6	25	5348124	213925.000	7.65
OB25043-CAL7	50	1.223263E+07	244652.600	7.65
OB25043-CAL8	100	2.434882E+07	243488.200	7.65
OB25043-CAL9	200	4.430057E+07	221502.800	7.65

AVE RF 225430.300 RF RSD 5.15 AVE RT 7.65

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

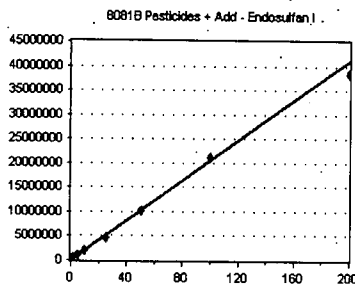
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Endosulfan I

Curve Fit: **AVERAGE RF**

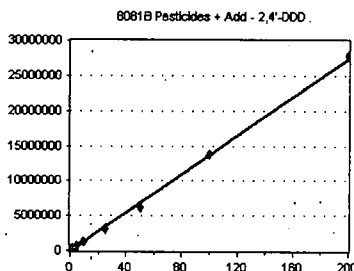


Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	114727	229454.000	7.69
0B25043-CAL2	1	214430	214430.000	7.69
0B25043-CAL3	2	415164	207582.000	7.69
0B25043-CAL4	5	1014379	202875.800	7.69
0B25043-CAL5	10	2002466	200246.600	7.69
0B25043-CAL6	25	4717875	188715.000	7.69
0B25043-CAL7	50	1.032843E+07	206568.600	7.69
0B25043-CAL8	100	2.110834E+07	211083.400	7.69
0B25043-CAL9	200	3.853748E+07	192687.400	7.69

AVE RF 205960.300 RF RSD 5.87 AVE RT 7.69

2,4'-DDD

Curve Fit: **AVERAGE RF**

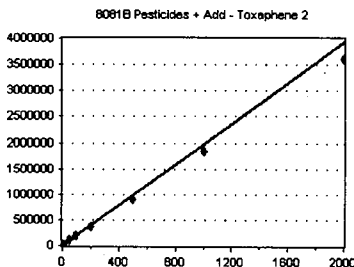


Standard	Concentration	Response	Response Factor	RT
0B25043-CALA	0.5	76012	152024.000	7.77
0B25043-CALB	1	147365	147365.000	7.77
0B25043-CALC	2	278841	139420.500	7.77
0B25043-CALD	5	710550	142110.000	7.77
0B25043-CALE	10	1279287	127928.700	7.77
0B25043-CALF	25	3146355	125854.200	7.77
0B25043-CALG	50	6083122	121662.400	7.77
0B25043-CALH	100	1.375644E+07	137564.400	7.77
0B25043-CALI	200	2.784759E+07	139238.000	7.77

AVE RF 137018.600 RF RSD 7.35 AVE RT 7.77

Toxaphene 2

Curve Fit: **AVERAGE RF**

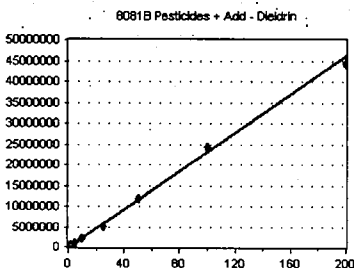


Standard	Concentration	Response	Response Factor	RT
0B25043-CALQ	10	22995	2299.500	7.86
0B25043-CALR	50	108818	2176.360	7.86
0B25043-CALS	100	199066	1990.660	7.86
0B25043-CALT	200	374128	1870.640	7.86
0B25043-CALU	500	902886	1805.772	7.86
0B25043-CALV	1000	1836951	1836.951	7.86
0B25043-CALW	2000	3614562	1807.281	7.86

AVE RF 1969.595 RF RSD 10.00 AVE RT 7.86

Dieldrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	127511	255022.000	7.86
0B25043-CAL2	1	231817	231817.000	7.86
0B25043-CAL3	2	446086	223043.000	7.86
0B25043-CAL4	5	1130550	226110.000	7.86
0B25043-CAL5	10	2231423	223142.300	7.86
0B25043-CAL6	25	5269648	210785.900	7.86
0B25043-CAL7	50	1.19646E+07	239292.000	7.86
0B25043-CAL8	100	2.43558E+07	243558.000	7.86
0B25043-CAL9	200	4.429628E+07	221481.400	7.86

AVE RF 230472.400 RF RSD 5.84 AVE RT 7.86

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

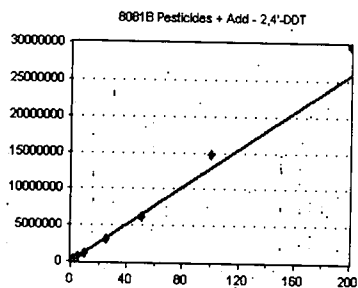
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

2,4'-DDT

Curve Fit: **AVERAGE RF**

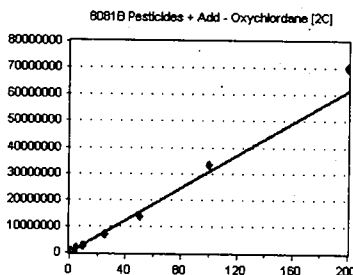


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	63598	127196.000	7.95
OB25043-CALB	1	121988	121988.000	7.95
OB25043-CALC	2	247235	123617.500	7.95
OB25043-CALD	5	643652	128730.400	7.95
OB25043-CALE	10	1188032	118803.200	7.95
OB25043-CALF	25	3118024	124721.000	7.95
OB25043-CALG	50	6102858	122057.200	7.95
OB25043-CALH	100	1.471294E+07	147129.400	7.95
OB25043-CALI	200	2.991086E+07	149554.300	7.95

AVE RF: 129310.800 RF RSD: 8.66 AVE RT: 7.95

Oxychlorthane [2C]

Curve Fit: **AVERAGE RF**

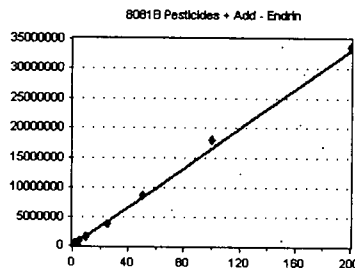


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	166729	333458.000	7.99
OB25043-CALB	1	307918	307918.000	7.99
OB25043-CALC	2	596146	298073.000	7.99
OB25043-CALD	5	1516690	303338.000	7.99
OB25043-CALE	10	2780134	278013.400	7.99
OB25043-CALF	25	7090383	283615.300	7.99
OB25043-CALG	50	1.396891E+07	279378.200	7.99
OB25043-CALH	100	3.309254E+07	330925.400	7.99
OB25043-CALI	200	7.011955E+07	350597.800	7.99

AVE RF: 307257.500 RF RSD: 8.47 AVE RT: 7.99

Endrin

Curve Fit: **AVERAGE RF**

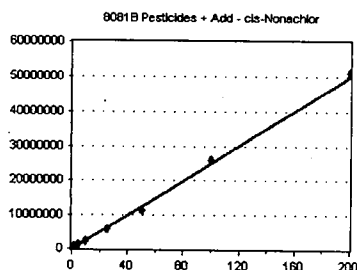


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	89558	179116.000	8.03
OB25043-CAL2	1	164410	164410.000	8.03
OB25043-CAL3	2	320798	160399.000	8.03
OB25043-CAL4	5	781467	156293.400	8.03
OB25043-CAL5	10	1583671	158367.100	8.03
OB25043-CAL6	25	3796982	151879.300	8.03
OB25043-CAL7	50	8611621	172232.400	8.02
OB25043-CAL8	100	1.802025E+07	180202.500	8.02
OB25043-CAL9	200	3.37627E+07	168813.500	8.02

AVE RF: 165745.900 RF RSD: 6.05 AVE RT: 8.03

cis-Nonachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	133571	267142.000	8.05
OB25043-CALB	1	260805	260805.000	8.05
OB25043-CALC	2	494941	247470.500	8.05
OB25043-CALD	5	1288124	257624.800	8.05
OB25043-CALE	10	2424511	242451.100	8.05
OB25043-CALF	25	5977723	239108.900	8.05
OB25043-CALG	50	1.12011E+07	224022.000	8.05
OB25043-CALH	100	2.585201E+07	258520.100	8.05
OB25043-CALI	200	5.113759E+07	255688.000	8.05

AVE RF: 250314.700 RF RSD: 5.34 AVE RT: 8.05

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

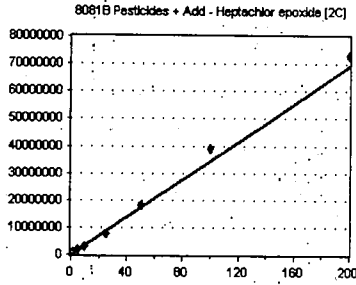
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

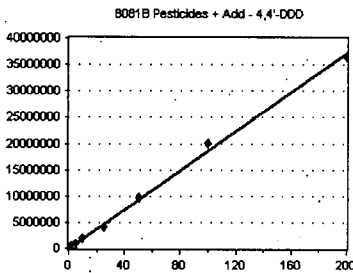


Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	184247	368494.000	8.06
0B25043-CAL2	1	334473	334473.000	8.06
0B25043-CAL3	2	657729	328864.500	8.06
0B25043-CAL4	5	1574920	314984.000	8.06
0B25043-CAL5	10	3225324	322532.400	8.06
0B25043-CAL6	25	7997772	319910.900	8.06
0B25043-CAL7	50	1.811233E+07	362246.600	8.06
0B25043-CAL8	100	3.872802E+07	387280.200	8.06
0B25043-CAL9	200	7.32353E+07	366176.500	8.06

AVE RF 344995.800 **RF RSD** 7.59 **AVE RT** 8.06

4,4'-DDD

Curve Fit: **AVERAGE RF**

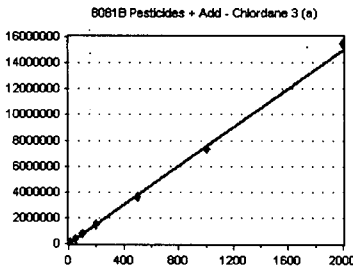


Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	100840	201680.000	8.07
0B25043-CAL2	1	184468	184468.000	8.07
0B25043-CAL3	2	371932	185966.000	8.07
0B25043-CAL4	5	885705	177141.000	8.07
0B25043-CAL5	10	1845969	184596.900	8.07
0B25043-CAL6	25	4106399	164256.000	8.07
0B25043-CAL7	50	9813457	196269.100	8.07
0B25043-CAL8	100	2.004419E+07	200441.900	8.07
0B25043-CAL9	200	3.644014E+07	182200.700	8.07

AVE RF 186335.500 **RF RSD** 6.38 **AVE RT** 8.07

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

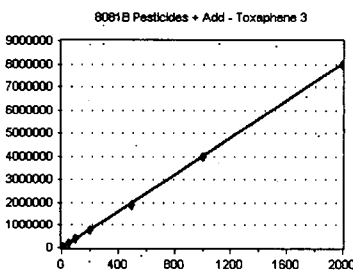


Standard	Concentration	Response	Response Factor	RT
0B25043-CALJ	10	78700	7870.000	8.14
0B25043-CALK	50	363557	7271.140	8.14
0B25043-CALL	100	778570	7785.700	8.14
0B25043-CALM	200	1447050	7235.250	8.14
0B25043-CALN	500	3598451	7196.902	8.14
0B25043-CALO	1000	7358441	7358.441	8.14
0B25043-CALP	2000	1.54796E+07	7739.800	8.14

AVE RF 7493.890 **RF RSD** 3.89 **AVE RT** 8.14

Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0B25043-CALQ	10	44681	4468.100	8.17
0B25043-CALR	50	208175	4163.500	8.17
0B25043-CALS	100	388473	3884.730	8.17
0B25043-CALT	200	764681	3823.405	8.17
0B25043-CALU	500	1906098	3812.196	8.17
0B25043-CALV	1000	3990757	3990.757	8.17
0B25043-CALW	2000	7981234	3990.617	8.17

AVE RF 4019.044 **RF RSD** 5.78 **AVE RT** 8.17

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

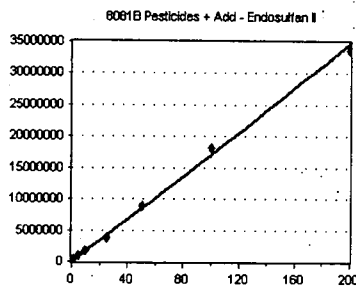
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Endosulfan II

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

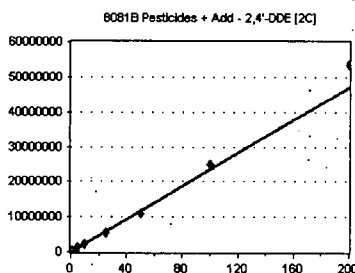


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	123502	247004.000	8.19
OB25043-CAL2	1	201485	201485.000	8.18
OB25043-CAL3	2	375693	187846.500	8.18
OB25043-CAL4	5	869870	173974.000	8.18
OB25043-CAL5	10	1754678	175467.800	8.18
OB25043-CAL6	25	3837705	153508.200	8.18
OB25043-CAL7	50	8825451	176509.000	8.18
OB25043-CAL8	100	1.816548E+07	181654.800	8.18
OB25043-CAL9	200	3.37643E+07	168821.500	8.18

AVE RF 185141.200 **RF RSD** 14.38 **AVE RT** 8.18

2,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

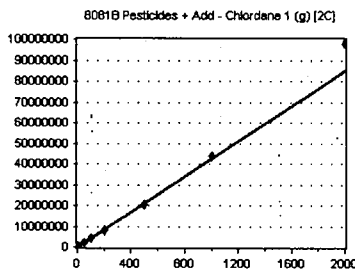


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	121631	243262.000	8.19
OB25043-CALB	1	234158	234158.000	8.19
OB25043-CALC	2	450716	225358.000	8.19
OB25043-CALD	5	1172351	234470.200	8.19
OB25043-CALE	10	2213415	221341.500	8.19
OB25043-CALF	25	5570315	222812.600	8.19
OB25043-CALG	50	1.094747E+07	218949.400	8.19
OB25043-CALH	100	2.504539E+07	250453.900	8.19
OB25043-CALI	200	5.353827E+07	267691.400	8.19

AVE RF 235388.600 **RF RSD** 6.82 **AVE RT** 8.19

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

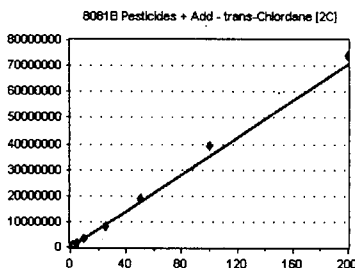


Standard	Concentration	Response	Response Factor	RT
OB25043-CALJ	10	409106	40910.600	8.20
OB25043-CALK	50	1979615	39592.300	8.20
OB25043-CALL	100	4226014	42260.140	8.20
OB25043-CALM	200	8173427	40867.140	8.20
OB25043-CALN	500	2.0498E+07	40996.000	8.20
OB25043-CALO	1000	4.35219E+07	43521.900	8.20
OB25043-CALP	2000	9.785207E+07	48926.040	8.20

AVE RF 42439.160 **RF RSD** 7.34 **AVE RT** 8.20

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	189029	378058.000	8.20
OB25043-CAL2	1	340785	340785.000	8.20
OB25043-CAL3	2	659567	329783.500	8.20
OB25043-CAL4	5	1595744	319148.800	8.20
OB25043-CAL5	10	3321961	332196.100	8.20
OB25043-CAL6	25	8352508	334100.300	8.20
OB25043-CAL7	50	1.907143E+07	381428.600	8.20
OB25043-CAL8	100	3.954617E+07	395461.700	8.20
OB25043-CAL9	200	7.402635E+07	370131.800	8.20

AVE RF 353454.900 **RF RSD** 7.85 **AVE RT** 8.20

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

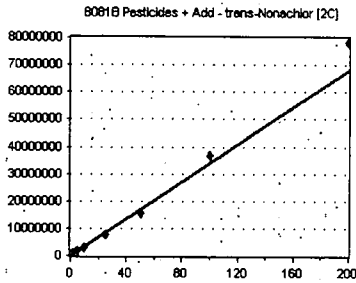
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

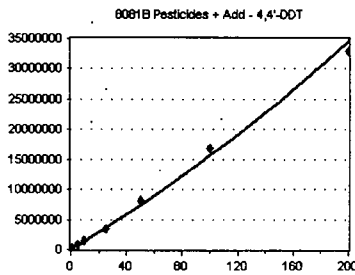


Standard	Concentration	Response	Response Factor	RT
0B25043-CALA	0.5	177493	354986.000	8.26
0B25043-CALB	1	339792	339792.000	8.26
0B25043-CALC	2	659379	329689.500	8.26
0B25043-CALD	5	1676451	335290.200	8.26
0B25043-CALE	10	3123800	312380.000	8.26
0B25043-CALF	25	7939518	317580.700	8.26
0B25043-CALG	50	1.559638E+07	311927.600	8.26
0B25043-CALH	100	3.691007E+07	369100.700	8.26
0B25043-CALI	200	7.836118E+07	391805.900	8.26

AVE RF 340283.600 RF RSD 8.01 AVE RT 8.26

4,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

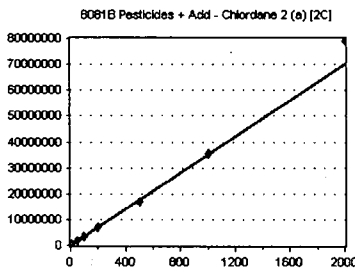


Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	73248	146496.000	8.27
0B25043-CAL2	1	136646	136646.000	8.27
0B25043-CAL3	2	273553	136776.500	8.27
0B25043-CAL4	5	677705	135541.000	8.27
0B25043-CAL5	10	1457724	145772.400	8.27
0B25043-CAL6	25	3331009	133240.400	8.27
0B25043-CAL7	50	8101008	162020.200	8.27
0B25043-CAL8	100	1.687139E+07	168713.900	8.27
0B25043-CAL9	200	3.290967E+07	164548.300	8.27

AVE RF 147750.500 RF RSD 9.37 AVE RT 8.27

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

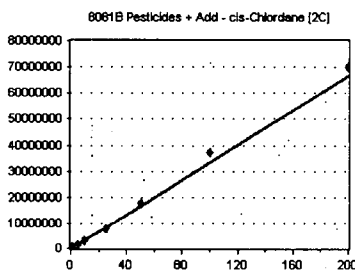


Standard	Concentration	Response	Response Factor	RT
0B25043-CALJ	10	355505	35550.500	8.31
0B25043-CALK	50	1627418	32548.360	8.31
0B25043-CALL	100	3515911	35159.110	8.30
0B25043-CALM	200	6715049	33575.250	8.31
0B25043-CALN	500	1.688759E+07	33775.180	8.30
0B25043-CALO	1000	3.562956E+07	35629.560	8.31
0B25043-CALP	2000	7.916903E+07	39584.520	8.31

AVE RF 35117.500 RF RSD 6.49 AVE RT 8.30

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	178270	356540.000	8.31
0B25043-CAL2	1	322691	322691.000	8.31
0B25043-CAL3	2	631569	315784.500	8.31
0B25043-CAL4	5	1507927	301585.400	8.31
0B25043-CAL5	10	3145257	314525.700	8.31
0B25043-CAL6	25	7833062	313322.500	8.31
0B25043-CAL7	50	1.762339E+07	352467.800	8.31
0B25043-CAL8	100	3.738822E+07	373882.200	8.31
0B25043-CAL9	200	7.004439E+07	350222.000	8.31

AVE RF 333446.800 RF RSD 7.51 AVE RT 8.31

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

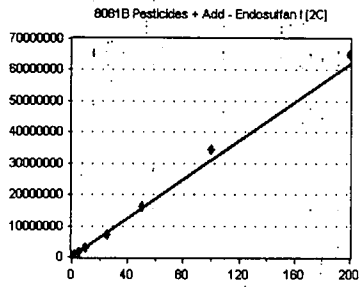
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

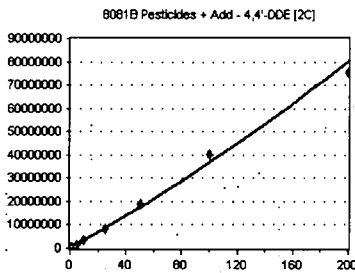


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	165750	331500.000	8.36
OB25043-CAL2	1	303264	303264.000	8.36
OB25043-CAL3	2	584625	292312.500	8.36
OB25043-CAL4	5	1439410	287882.000	8.36
OB25043-CAL5	10	2901002	290100.200	8.36
OB25043-CAL6	25	7248567	289942.700	8.36
OB25043-CAL7	50	1.639049E+07	327809.800	8.36
OB25043-CAL8	100	3.447992E+07	344799.200	8.36
OB25043-CAL9	200	6.513064E+07	325653.200	8.36

AVE RF 310362.600 RF RSD 7.10 AVE RT 8.36

4,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

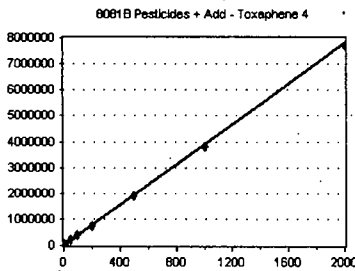


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	161551	323102.000	8.41
OB25043-CAL2	1	311134	311134.000	8.41
OB25043-CAL3	2	626077	313038.500	8.41
OB25043-CAL4	5	1553504	310700.800	8.41
OB25043-CAL5	10	3337927	333792.700	8.41
OB25043-CAL6	25	8455231	338209.300	8.41
OB25043-CAL7	50	1.898456E+07	379691.200	8.41
OB25043-CAL8	100	4.049468E+07	404946.800	8.41
OB25043-CAL9	200	7.552679E+07	377634.000	8.41

AVE RF 343583.200 RF RSD 10.21 AVE RT 8.41

Toxaphene 4

Curve Fit: **AVERAGE RF**

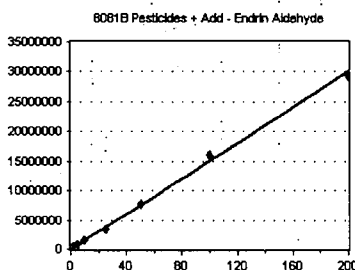


Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	43252	4325.200	8.41
OB25043-CALR	50	203857	4077.140	8.41
OB25043-CALS	100	371980	3719.800	8.41
OB25043-CALT	200	751450	3757.250	8.41
OB25043-CALU	500	1894280	3788.560	8.41
OB25043-CALV	1000	3823934	3823.934	8.41
OB25043-CALW	2000	7717268	3858.634	8.41

AVE RF 3907.217 RF RSD 5.57 AVE RT 8.41

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	141186	282372.000	8.48
OB25043-CAL2	1	218212	218212.000	8.47
OB25043-CAL3	2	385517	192758.500	8.47
OB25043-CAL4	5	790735	158147.000	8.47
OB25043-CAL5	10	1552434	155243.400	8.47
OB25043-CAL6	25	3455529	138221.200	8.47
OB25043-CAL7	50	7801382	156027.600	8.47
OB25043-CAL8	100	1.605774E+07	160577.400	8.47
OB25043-CAL9	200	2.925153E+07	146257.700	8.47

AVE RF 178646.300 RF RSD 25.81 AVE RT 8.47

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

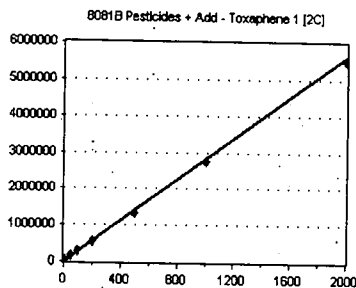
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

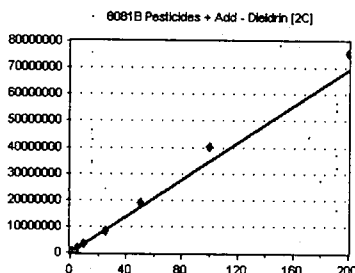


Standard	Concentration	Response	Response Factor	RT
0B25043-CALQ	10	29979	2997.900	8.53
0B25043-CALR	50	151694	3033.880	8.53
0B25043-CALS	100	279984	2799.840	8.53
0B25043-CALT	200	553315	2766.575	8.53
0B25043-CALU	500	1333338	2666.676	8.53
0B25043-CALV	1000	2769168	2769.168	8.53
0B25043-CALW	2000	5517985	2758.992	8.53

AVE RF 2827.576 RF RSD 4.79 AVE RT 8.53

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

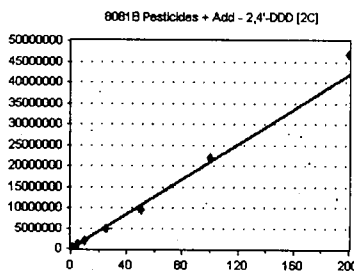


Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	172991	345982.000	8.56
0B25043-CAL2	1	326125	326125.000	8.56
0B25043-CAL3	2	639177	319588.500	8.56
0B25043-CAL4	5	1567052	313410.400	8.56
0B25043-CAL5	10	3243846	324384.600	8.56
0B25043-CAL6	25	8227724	329109.000	8.56
0B25043-CAL7	50	1.895725E+07	379145.000	8.56
0B25043-CAL8	100	4.020701E+07	402070.100	8.56
0B25043-CAL9	200	7.5536E+07	377680.000	8.56

AVE RF 346388.300 RF RSD 9.22 AVE RT 8.56

2,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

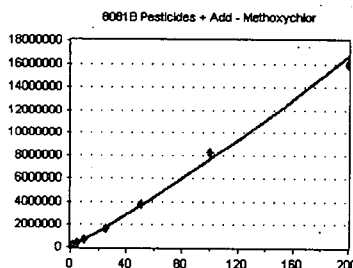


Standard	Concentration	Response	Response Factor	RT
0B25043-CALA	0.5	112451	224902.000	8.56
0B25043-CALB	1	217911	217911.000	8.56
0B25043-CALC	2	402947	201473.500	8.56
0B25043-CALD	5	1029786	205957.200	8.56
0B25043-CALE	10	1931515	193151.500	8.56
0B25043-CALF	25	4852223	194088.900	8.56
0B25043-CALG	50	9442355	188847.100	8.56
0B25043-CALH	100	2.200185E+07	220018.500	8.56
0B25043-CALI	200	4.676827E+07	233841.400	8.56

AVE RF 208910.100 RF RSD 7.60 AVE RT 8.56

Methoxychlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0B25043-CAL1	0.5	47477	94954.000	8.61
0B25043-CAL2	1	81060	81060.000	8.60
0B25043-CAL3	2	159441	79720.500	8.60
0B25043-CAL4	5	348323	69664.600	8.60
0B25043-CAL5	10	720753	72075.300	8.60
0B25043-CAL6	25	1638952	65558.080	8.60
0B25043-CAL7	50	3829989	76599.780	8.60
0B25043-CAL8	100	8280893	82808.930	8.60
0B25043-CAL9	200	1.599908E+07	79995.400	8.60

AVE RF 78048.510 RF RSD 10.99 AVE RT 8.60

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

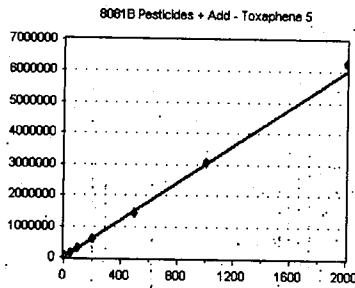
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022!**

Toxaphene 5

Curve Fit: **AVERAGE RF**

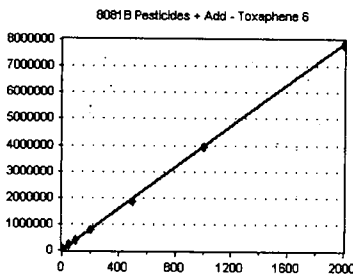


Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	30451	3045.100	8.64
OB25043-CALR	50	155631	3112.620	8.64
OB25043-CALS	100	290355	2903.550	8.64
OB25043-CALT	200	591464	2957.320	8.64
OB25043-CALU	500	1451072	2902.144	8.64
OB25043-CALV	1000	3053151	3053.151	8.64
OB25043-CALW	2000	6286579	3143.290	8.64

AVE RF 3016.739 **RF RSD** 3.23 **AVE RT** 8.64

Toxaphene 6

Curve Fit: **AVERAGE RF**

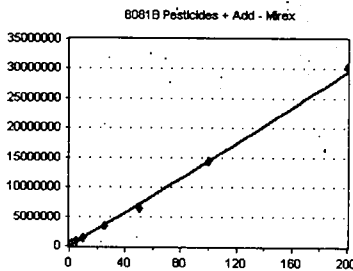


Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	43890	4389.000	8.71
OB25043-CALR	50	201655	4033.100	8.71
OB25043-CALS	100	379633	3796.330	8.71
OB25043-CALT	200	757030	3785.150	8.71
OB25043-CALU	500	1873668	3747.336	8.71
OB25043-CALV	1000	3931248	3931.248	8.71
OB25043-CALW	2000	7847735	3923.867	8.71

AVE RF 3943.719 **RF RSD** 5.60 **AVE RT** 8.71

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

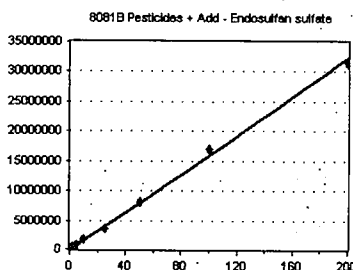


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	99990	199980.000	8.72
OB25043-CALB	1	177415	177415.000	8.72
OB25043-CALC	2	331292	165646.000	8.72
OB25043-CALD	5	781249	156249.800	8.72
OB25043-CALE	10	1417093	141709.300	8.72
OB25043-CALF	25	3449936	137997.400	8.72
OB25043-CALG	50	6526642	130532.800	8.72
OB25043-CALH	100	1.437844E+07	143784.400	8.72
OB25043-CALI	200	3.022123E+07	151106.200	8.72

AVE RF 156046.800 **RF RSD** 14.03 **AVE RT** 8.72

Endosulfan sulfate

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	144136	288272.000	8.78
OB25043-CAL2	1	217356	217356.000	8.78
OB25043-CAL3	2	384470	192235.000	8.78
OB25043-CAL4	5	816986	163397.200	8.78
OB25043-CAL5	10	1704127	170412.700	8.78
OB25043-CAL6	25	3605036	144201.400	8.78
OB25043-CAL7	50	8174428	163488.600	8.77
OB25043-CAL8	100	1.705364E+07	170536.400	8.77
OB25043-CAL9	200	3.131545E+07	156577.300	8.78

AVE RF 185164.100 **RF RSD** 23.84 **AVE RT** 8.78

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

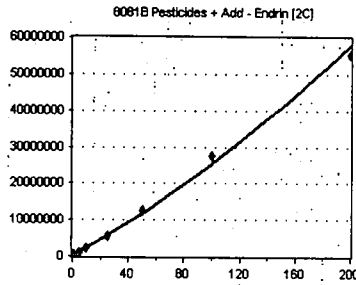
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Endrin [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

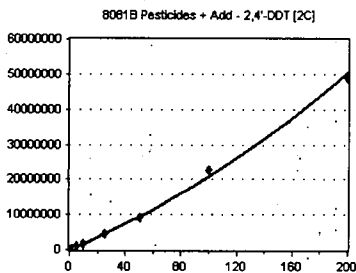


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	118360	236720.000	8.79
OB25043-CAL2	1	221743	221743.000	8.79
OB25043-CAL3	2	435263	217631.500	8.79
OB25043-CAL4	5	1071103	214220.600	8.79
OB25043-CAL5	10	2199983	219998.300	8.79
OB25043-CAL6	25	5486337	219453.500	8.79
OB25043-CAL7	50	1.259892E+07	251978.400	8.79
OB25043-CAL8	100	2.753094E+07	275309.400	8.79
OB25043-CAL9	200	5.548313E+07	277415.600	8.79

AVE RF 237163.400 **RF RSD** 10.59 **AVE RT** 8.79

2,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

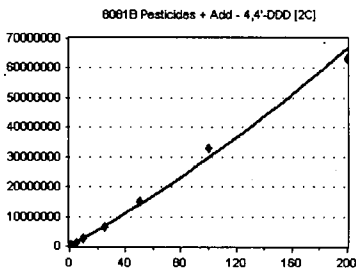


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	79209	158418.000	8.79
OB25043-CALB	1	155855	155855.000	8.79
OB25043-CALC	2	322849	161424.500	8.79
OB25043-CALD	5	853816	170763.200	8.79
OB25043-CALE	10	1641641	164164.100	8.79
OB25043-CALF	25	4477299	179092.000	8.79
OB25043-CALG	50	8983017	179660.300	8.79
OB25043-CALH	100	2.279376E+07	227937.600	8.79
OB25043-CALI	200	4.892501E+07	244625.000	8.79

AVE RF 182437.700 **RF RSD** 17.50 **AVE RT** 8.79

4,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

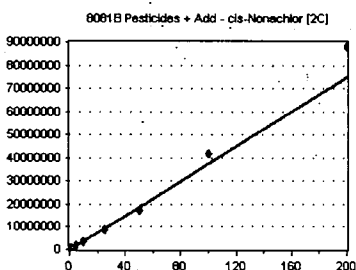


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	135180	270360.000	8.83
OB25043-CAL2	1	259515	259515.000	8.83
OB25043-CAL3	2	511651	255825.500	8.83
OB25043-CAL4	5	1267308	253461.600	8.83
OB25043-CAL5	10	2702397	270239.700	8.83
OB25043-CAL6	25	6277761	251110.400	8.83
OB25043-CAL7	50	1.51325E+07	302650.000	8.83
OB25043-CAL8	100	3.295732E+07	329573.200	8.83
OB25043-CAL9	200	6.304642E+07	315232.100	8.83

AVE RF 278663.100 **RF RSD** 10.56 **AVE RT** 8.83

cis-Nonachlor [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	183369	366738.000	8.83
OB25043-CALB	1	370083	370083.000	8.83
OB25043-CALC	2	704365	352182.500	8.83
OB25043-CALD	5	1876952	375390.400	8.83
OB25043-CALE	10	3529630	352963.000	8.83
OB25043-CALF	25	8823260	352930.400	8.83
OB25043-CALG	50	1.757578E+07	351515.600	8.83
OB25043-CALH	100	4.168146E+07	416814.600	8.83
OB25043-CALI	200	8.826644E+07	441332.200	8.83

AVE RF 375550.000 **RF RSD** 8.57 **AVE RT** 8.83

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

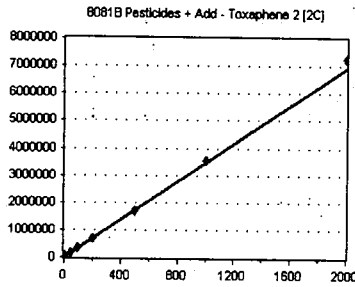
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

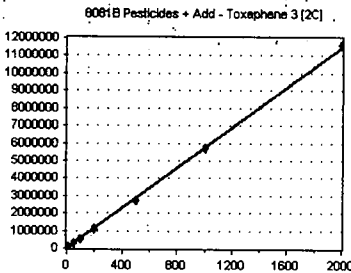


Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	35085	3508.500	8.88
OB25043-CALR	50	175705	3514.100	8.88
OB25043-CALS	100	334014	3340.140	8.88
OB25043-CALT	200	673874	3369.370	8.88
OB25043-CALU	500	1691199	3382.398	8.88
OB25043-CALV	1000	3540659	3540.659	8.88
OB25043-CALW	2000	7258199	3629.100	8.88

AVE RF 3469.181 **RF RSD** 3.08 **AVE RT** 8.88

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

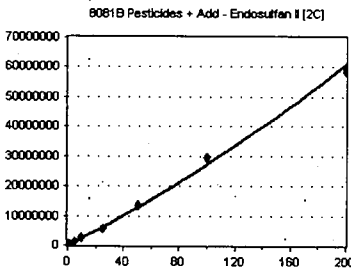


Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	66638	6663.800	8.92
OB25043-CALR	50	286968	5739.360	8.92
OB25043-CALS	100	541748	5417.480	8.92
OB25043-CALT	200	1091039	5455.195	8.92
OB25043-CALU	500	2719332	5438.664	8.92
OB25043-CALV	1000	5679715	5679.715	8.92
OB25043-CALW	2000	1.159445E+07	5797.225	8.92

AVE RF 5741.634 **RF RSD** 7.58 **AVE RT** 8.92

Endosulfan II [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

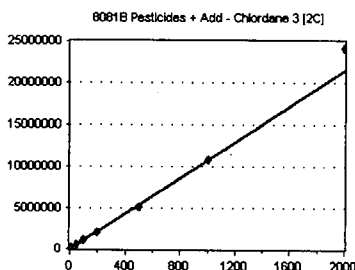


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	167227	334454.000	8.94
OB25043-CAL2	1	282832	282832.000	8.93
OB25043-CAL3	2	527060	263530.000	8.93
OB25043-CAL4	5	1217071	243414.200	8.93
OB25043-CAL5	10	2495237	249523.700	8.93
OB25043-CAL6	25	5738244	229529.800	8.93
OB25043-CAL7	50	1.352961E+07	270592.200	8.93
OB25043-CAL8	100	2.936643E+07	293664.300	8.93
OB25043-CAL9	200	5.84691E+07	292345.500	8.93

AVE RF 273320.600 **RF RSD** 11.63 **AVE RT** 8.93

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CALJ	10	117072	11707.200	8.97
OB25043-CALK	50	503081	10061.620	8.97
OB25043-CALL	100	1045379	10453.790	8.97
OB25043-CALM	200	2011818	10059.090	8.97
OB25043-CALN	500	5110139	10220.280	8.97
OB25043-CALO	1000	1.077555E+07	10775.550	8.97
OB25043-CALP	2000	2.417882E+07	12089.410	8.97

AVE RF 10766.710 **RF RSD** 7.61 **AVE RT** 8.97

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

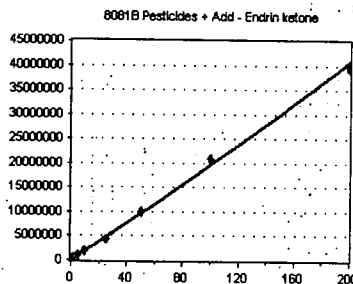
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022!**

Endrin ketone

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

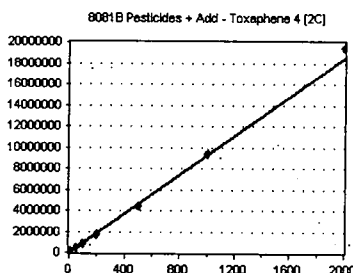


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	141143	282286.000	8.97
OB25043-CAL2	1	236826	236826.000	8.97
OB25043-CAL3	2	429826	214913.000	8.97
OB25043-CAL4	5	979562	195912.400	8.97
OB25043-CAL5	10	1963488	196348.800	8.97
OB25043-CAL6	25	4404291	176171.600	8.97
OB25043-CAL7	50	9941349	198827.000	8.97
OB25043-CAL8	100	2.102656E+07	210265.600	8.97
OB25043-CAL9	200	3.946392E+07	197319.600	8.97

AVE RF 212096.700 **RF RSD** 14.67 **AVE RT** 8.97

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**

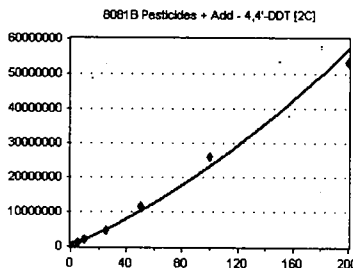


Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	103308	10330.800	8.98
OB25043-CALR	50	459206	9184.120	8.98
OB25043-CALS	100	863932	8639.320	8.99
OB25043-CALT	200	1727294	8636.470	8.99
OB25043-CALU	500	4378899	8757.798	8.99
OB25043-CALV	1000	9443957	9443.957	8.99
OB25043-CALW	2000	1.948539E+07	9742.695	8.99

AVE RF 9247.880 **RF RSD** 6.90 **AVE RT** 8.98

4,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

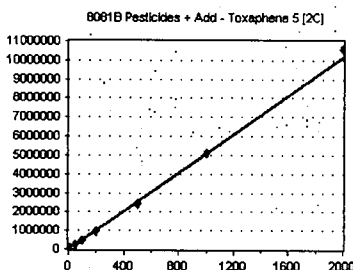


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	81426	162852.000	9.06
OB25043-CAL2	1	152974	152974.000	9.05
OB25043-CAL3	2	325030	162515.000	9.06
OB25043-CAL4	5	840171	168034.200	9.05
OB25043-CAL5	10	1849882	184988.200	9.05
OB25043-CAL6	25	4632719	185308.800	9.05
OB25043-CAL7	50	1.181768E+07	236353.600	9.05
OB25043-CAL8	100	2.595768E+07	259576.800	9.05
OB25043-CAL9	200	5.320954E+07	266047.700	9.06

AVE RF 197627.800 **RF RSD** 22.37 **AVE RT** 9.05

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	54652	5465.200	9.16
OB25043-CALR	50	253707	5074.140	9.16
OB25043-CALS	100	480655	4806.550	9.16
OB25043-CALT	200	974015	4870.075	9.16
OB25043-CALU	500	2425185	4850.370	9.16
OB25043-CALV	1000	5137081	5137.081	9.16
OB25043-CALW	2000	1.060354E+07	5301.770	9.16

AVE RF 5072.169 **RF RSD** 4.91 **AVE RT** 9.16

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

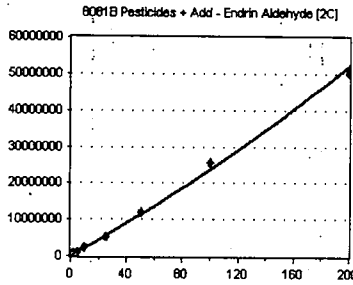
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

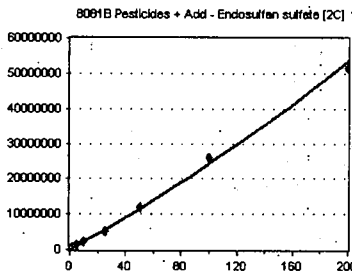


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	193803	387606.000	9.17
OB25043-CAL2	1	293186	293186.000	9.17
OB25043-CAL3	2	532913	266456.500	9.17
OB25043-CAL4	5	1118310	223662.000	9.17
OB25043-CAL5	10	2212372	221237.200	9.17
OB25043-CAL6	25	5038314	201532.600	9.17
OB25043-CAL7	50	1.213723E+07	242744.600	9.17
OB25043-CAL8	100	2.557193E+07	255719.300	9.17
OB25043-CAL9	200	5.016961E+07	250848.000	9.17

AVE RF 260332.500 **RF RSD** 21.07 **AVE RT** 9.17

Endosulfan sulfate [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

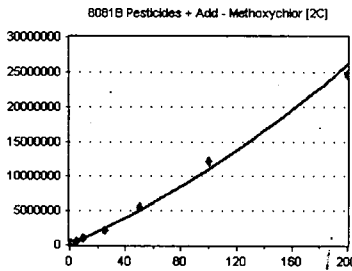


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	194517	389034.000	9.36
OB25043-CAL2	1	289732	289732.000	9.36
OB25043-CAL3	2	516495	258247.500	9.36
OB25043-CAL4	5	1150682	230136.400	9.36
OB25043-CAL5	10	2341971	234197.100	9.36
OB25043-CAL6	25	5180877	207235.100	9.36
OB25043-CAL7	50	1.20314E+07	240628.000	9.36
OB25043-CAL8	100	2.598478E+07	259847.800	9.36
OB25043-CAL9	200	5.150049E+07	257502.400	9.36

AVE RF 262951.100 **RF RSD** 20.03 **AVE RT** 9.36

Methoxychlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

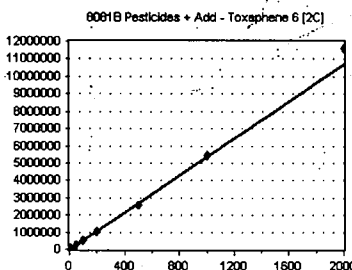


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	50315	100630.000	9.54
OB25043-CAL2	1	92284	92284.000	9.53
OB25043-CAL3	2	180433	90216.500	9.53
OB25043-CAL4	5	439742	87948.400	9.53
OB25043-CAL5	10	944530	94453.000	9.53
OB25043-CAL6	25	2187472	87498.880	9.53
OB25043-CAL7	50	5539365	110787.300	9.53
OB25043-CAL8	100	1.220761E+07	122076.100	9.53
OB25043-CAL9	200	2.460759E+07	123038.000	9.53

AVE RF 100992.500 **RF RSD** 14.06 **AVE RT** 9.53

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OB25043-CALQ	10	55348	5534.800	9.54
OB25043-CALR	50	265807	5316.140	9.54
OB25043-CALS	100	500574	5005.740	9.54
OB25043-CALT	200	1029268	5146.340	9.54
OB25043-CALU	500	2567429	5134.858	9.54
OB25043-CALV	1000	5434405	5434.405	9.54
OB25043-CALW	2000	1.163522E+07	5817.610	9.54

AVE RF 5341.413 **RF RSD** 5.22 **AVE RT** 9.54

Element Calibration Review Sheet

Calibration ID: **A0C0203**

Instrument: **DUALECD5**

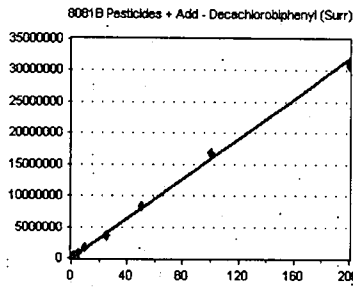
Calibration Date: **03/02/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20022**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

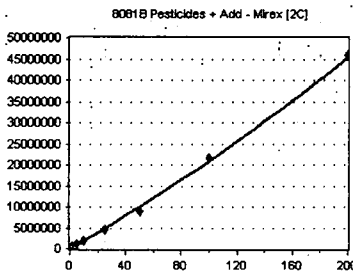


Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	117037	234074.000	9.67
OB25043-CAL2	1	200173	200173.000	9.66
OB25043-CAL3	2	360138	180069.000	9.66
OB25043-CAL4	5	799869	159973.800	9.66
OB25043-CAL5	10	1619015	161901.500	9.66
OB25043-CAL6	25	3610372	144414.900	9.66
OB25043-CAL7	50	8305607	166112.100	9.66
OB25043-CAL8	100	1.691112E+07	169111.200	9.66
OB25043-CAL9	200	3.086227E+07	154311.300	9.66

AVE RF 174460.100 RF RSD 15.73 AVE RT 9.66

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

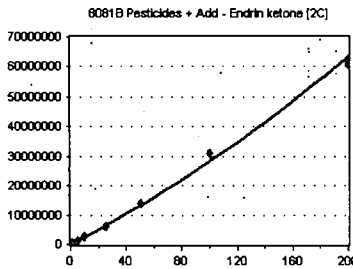


Standard	Concentration	Response	Response Factor	RT
OB25043-CALA	0.5	119379	238758.000	9.76
OB25043-CALB	1	239555	239555.000	9.76
OB25043-CALC	2	427844	213922.000	9.76
OB25043-CALD	5	1031368	206273.600	9.76
OB25043-CALE	10	1914233	191423.300	9.76
OB25043-CALF	25	4725980	189039.200	9.76
OB25043-CALG	50	8959174	179183.500	9.76
OB25043-CALH	100	2.158997E+07	215899.700	9.76
OB25043-CALI	200	4.603114E+07	230155.700	9.76

AVE RF 211578.900 RF RSD 10.41 AVE RT 9.76

Endrin ketone [2C]

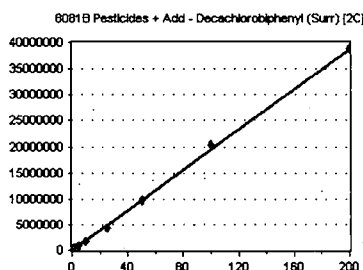
Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	174090	348180.000	9.77
OB25043-CAL2	1	292223	292223.000	9.76
OB25043-CAL3	2	544557	272278.500	9.76
OB25043-CAL4	5	1270528	254105.600	9.76
OB25043-CAL5	10	2578653	257865.300	9.76
OB25043-CAL6	25	5980624	239225.000	9.76
OB25043-CAL7	50	1.403276E+07	280655.200	9.76
OB25043-CAL8	100	3.08403E+07	308403.000	9.76
OB25043-CAL9	200	6.079363E+07	303968.200	9.77

AVE RF 284100.400 RF RSD 11.75 AVE RT 9.76

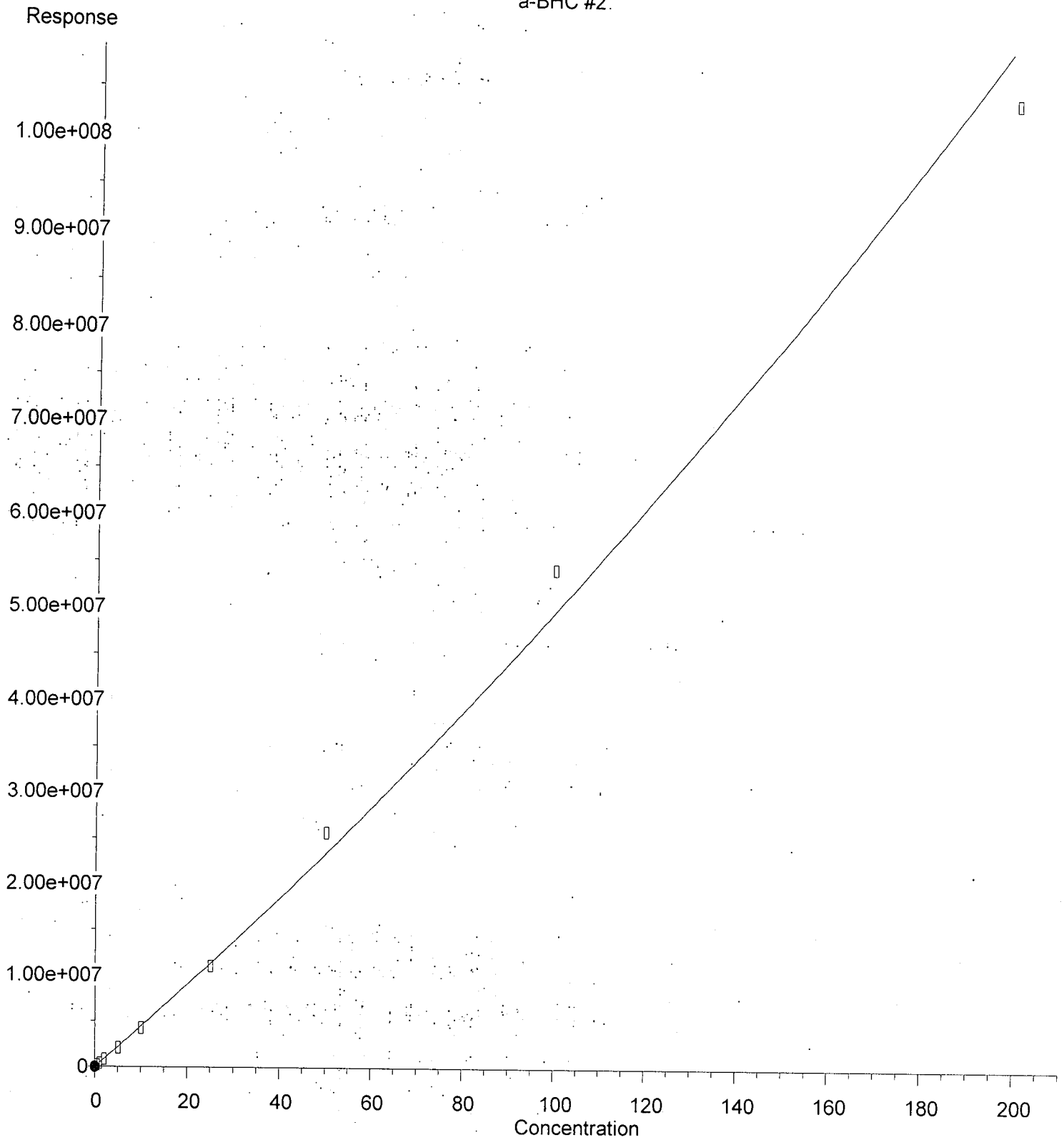
Decachlorobiphenyl (Surr) [2C] Curve Fit: AVERAGE RF



Standard	Concentration	Response	Response Factor	RT
OB25043-CAL1	0.5	114432	228864.000	10.64
OB25043-CAL2	1	203741	203741.000	10.63
OB25043-CAL3	2	384159	192079.500	10.63
OB25043-CAL4	5	875888	175177.600	10.63
OB25043-CAL5	10	1782079	178207.900	10.63
OB25043-CAL6	25	4340907	173636.300	10.63
OB25043-CAL7	50	9791773	195835.500	10.63
OB25043-CAL8	100	2.033798E+07	203379.800	10.63
OB25043-CAL9	200	3.892668E+07	194633.400	10.63

AVE RF 193950.500 RF RSD 8.98 AVE RT 10.63

a-BHC #2.



$R = 5.64e+002 A^A + 4.39e+005 A - 1.00e+004$

Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w($1/a^2$)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\

Data File : ECD5-02252008.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 25 Feb 2020 14:22

Operator : MJB

Sample : 0B25043-CAL1

Misc : A20B330, AB 0.5 ppb

ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e

Integration File signal 2: PEST2.e

Quant Time: Feb 26 15:47:31 2020

Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quant Title : Instrument: DualECD5

QLast Update : Wed Feb 26 15:13:42 2020

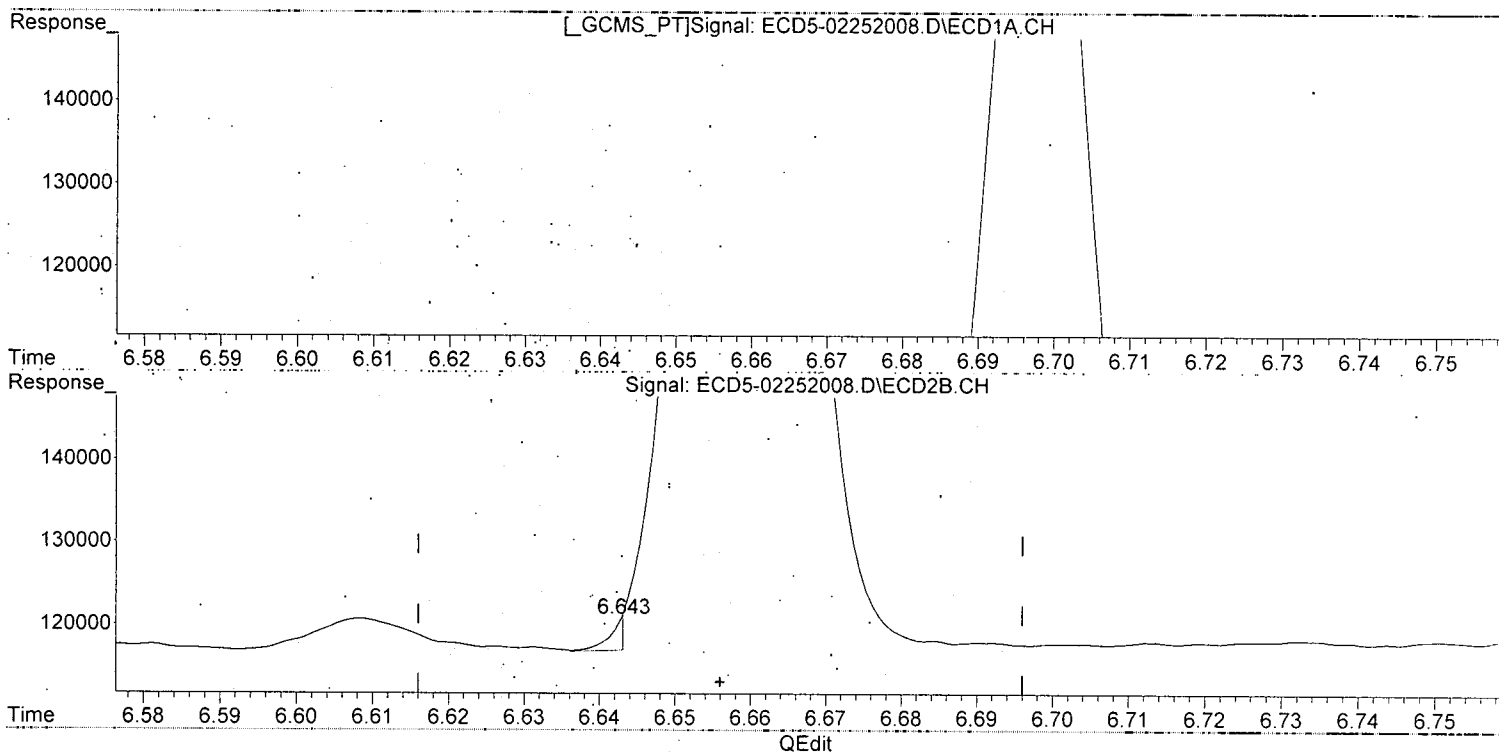
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL

Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2

Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(2) a-BHC
6.004min 0.507 ng/mL
response 145037

MJB
2/26/20

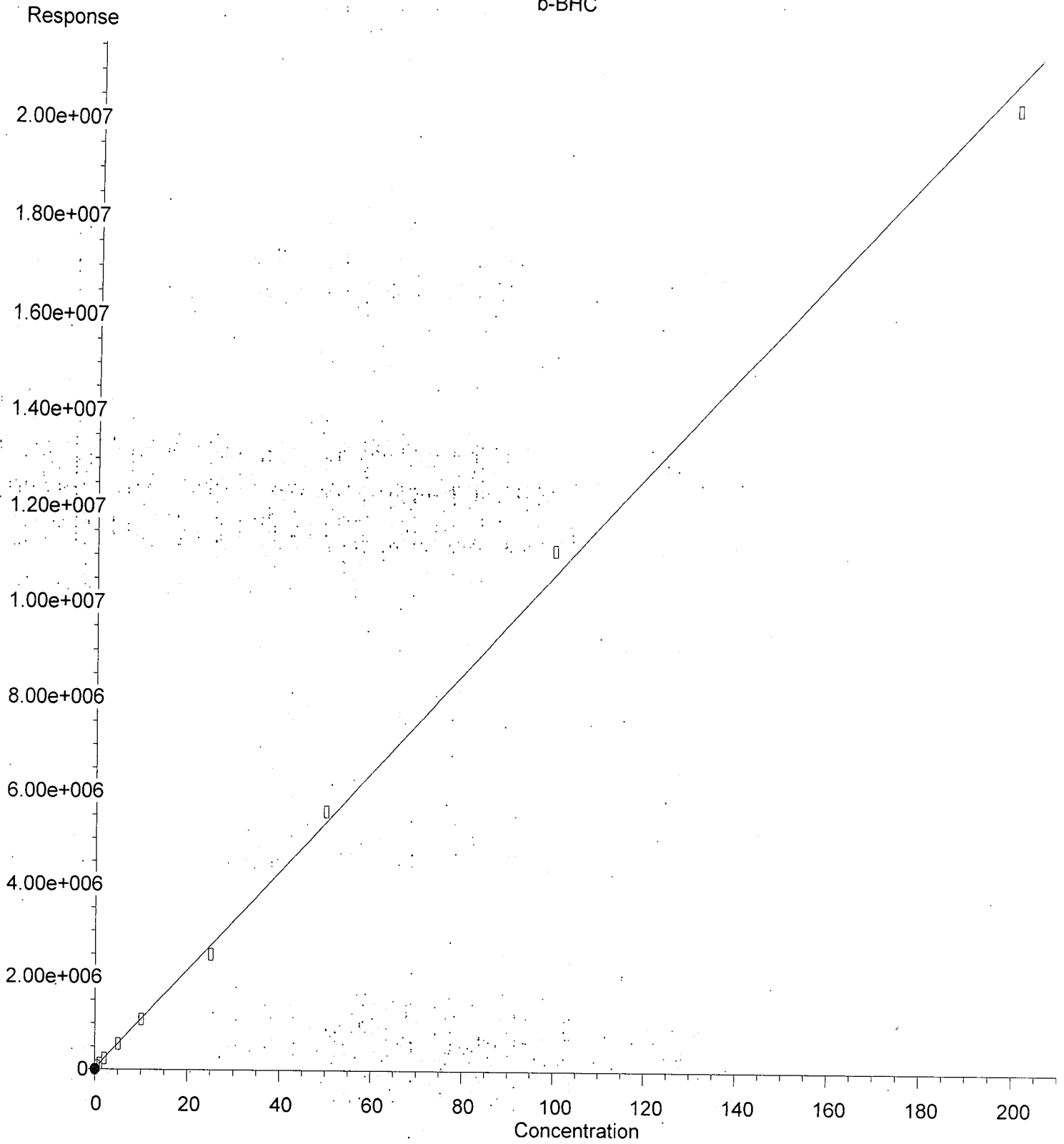
(2) a-BHC #2
6.643min 0.032 ng/mL *(m)*
response 3859

(+) = Expected Retention Time

ECD5_QUANTPEST_200225.M Wed Feb 26 16:49:15 2020

Page: 1

b-BHC



$R = -7.97e+000 A^2 + 1.07e+005 A + 2.06e+004$

Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w($1/a^2$)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

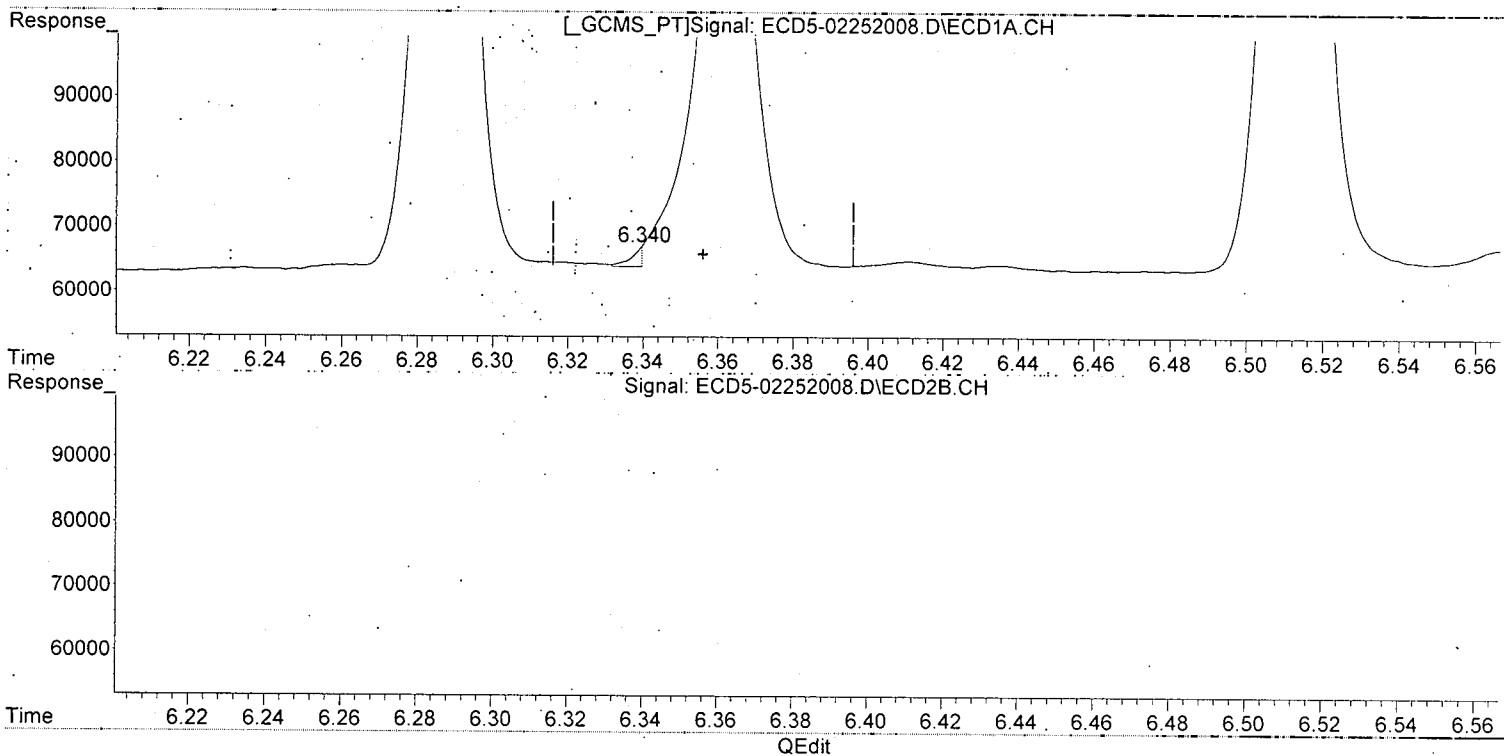
04/06/20 Anchor QEA, LLC - Gasco PreRD, DG 2019 - 4a-b. DOC-CAP Testing Cores Page 619 of 1165
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

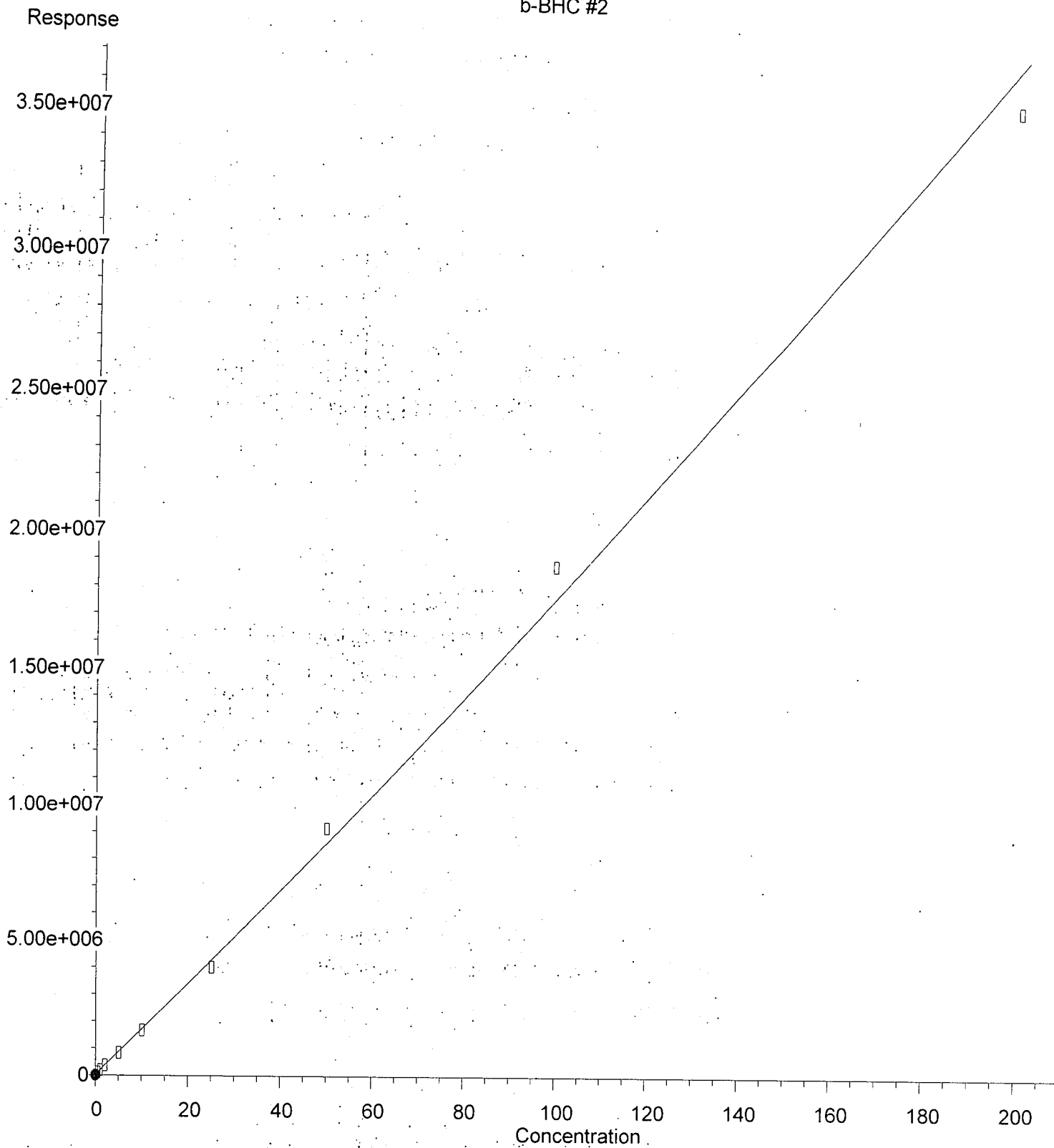
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(4) b-BHC
6.340min 13405.872 ng/mL
response 2948

(4) b-BHC #2
7.041min 0.500 ng/mL
response 112940

b-BHC #2



$R = 8.79e+001 A^2 + 1.66e+005 A + 2.97e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

04/06/20 Anchor DEA, LLC - Gasco-PerRD - DG 2019 - 4a-b. DCC-CAP Testing Cores Page 621 of 1165

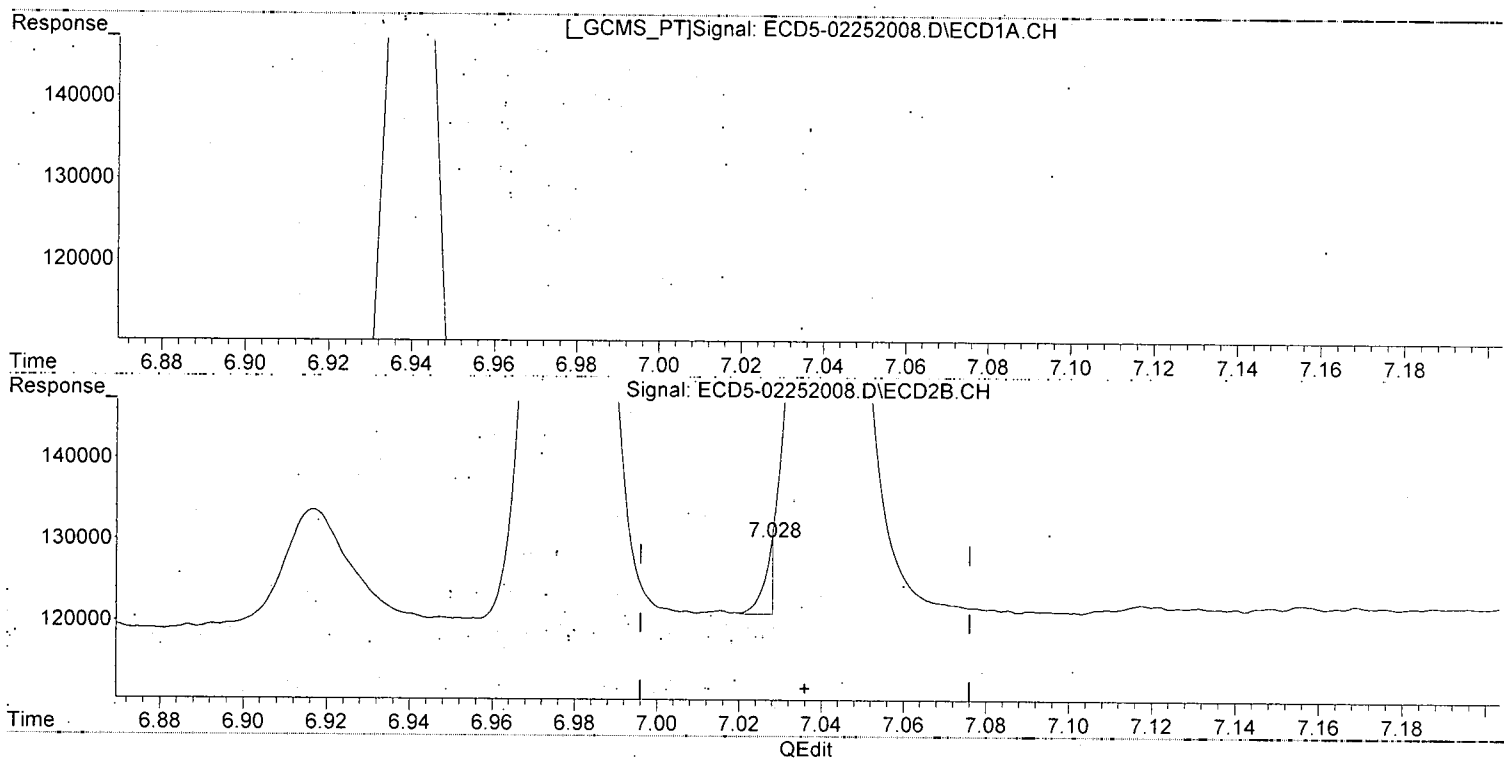
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

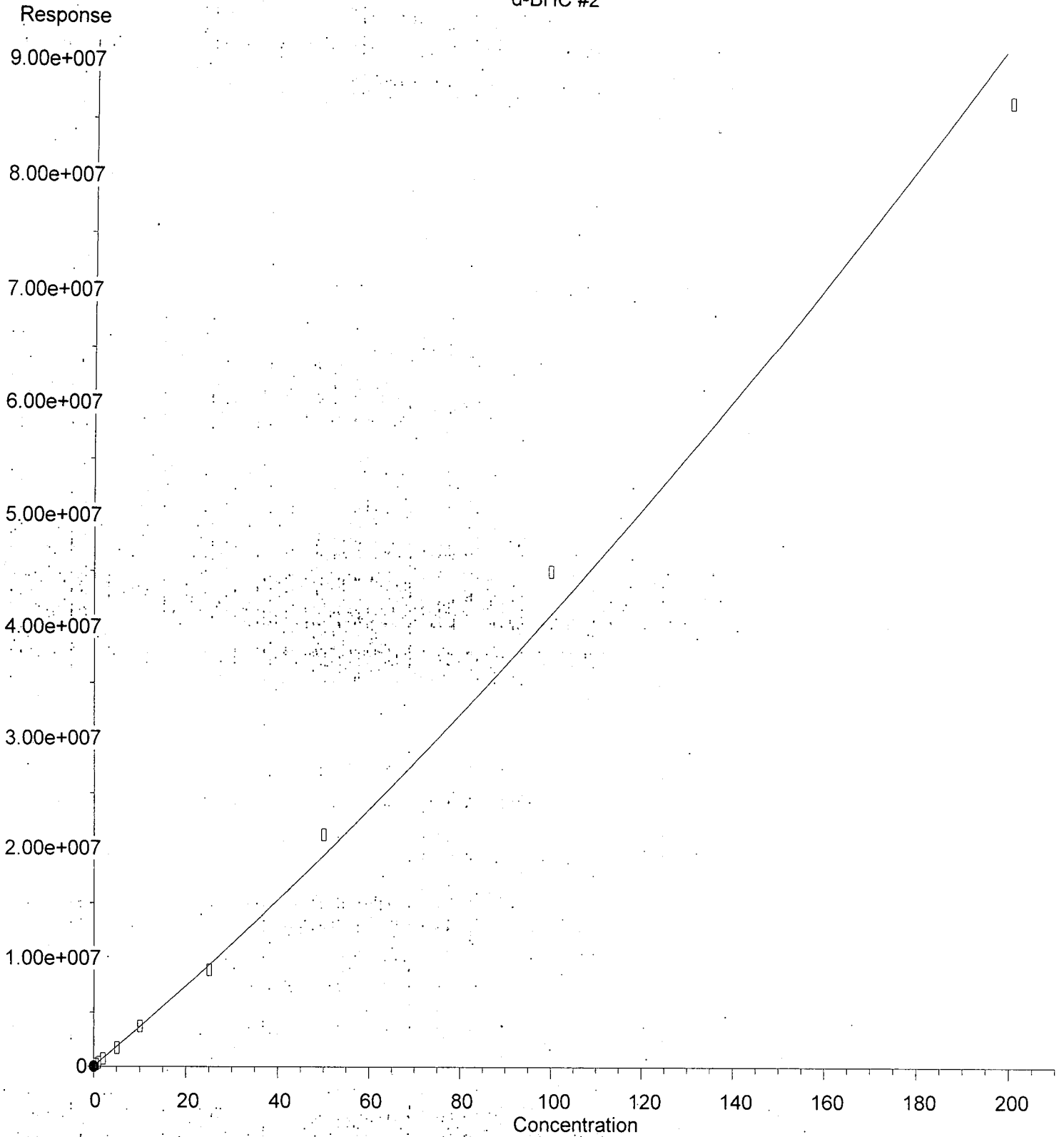


(4) b-BHC
6.340min 13405.872 ng/mL m
response 2948

WB 2/26/20

(4) b-BHC #2
7.028min -0.125 ng/mL (m)
response 8900

d-BHC #2



$R = 5.13e+002 A^2 + 3.60e+005 A + 2.73e+004$

Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

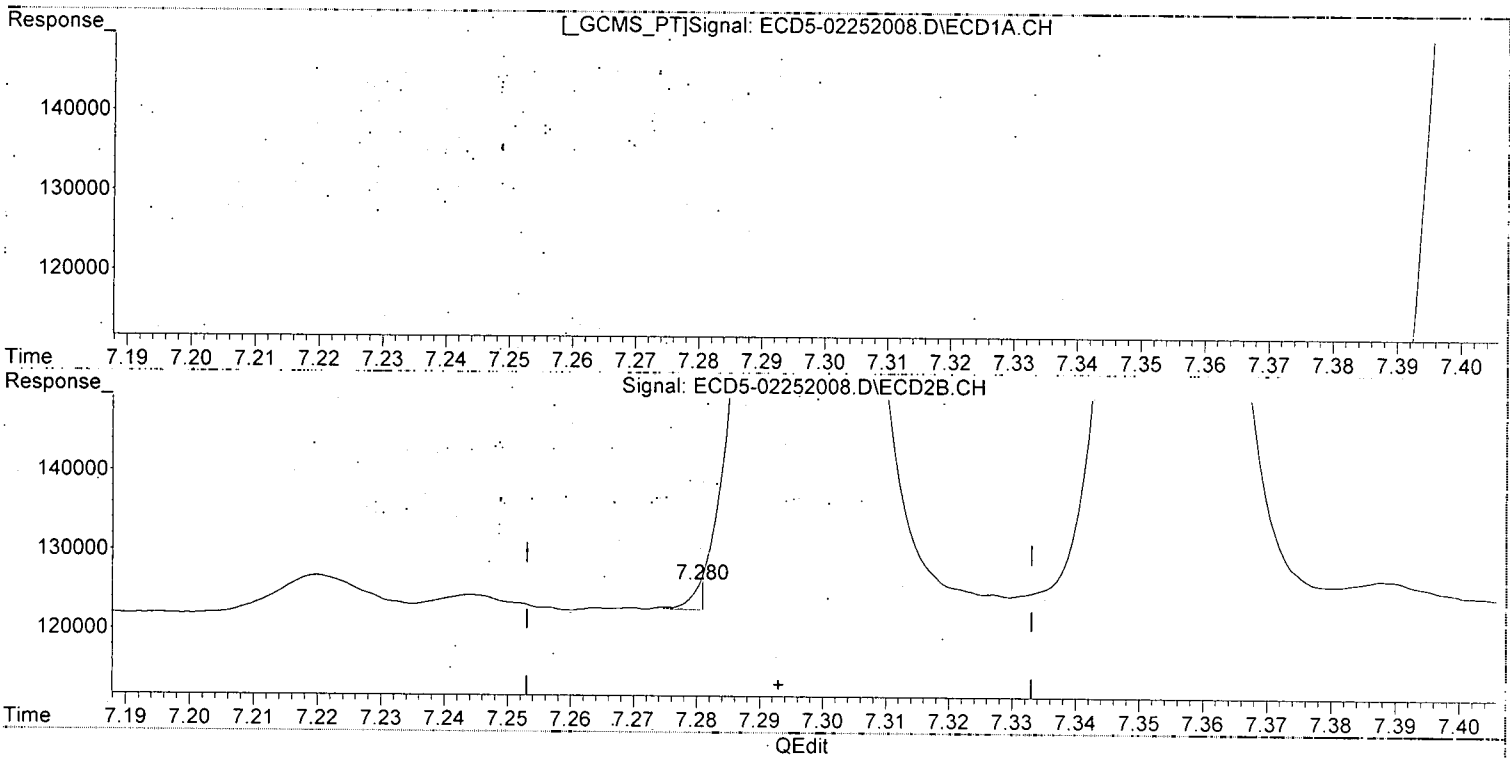
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(6) d-BHC
6.513min 0.594 ng/mL
response 149468

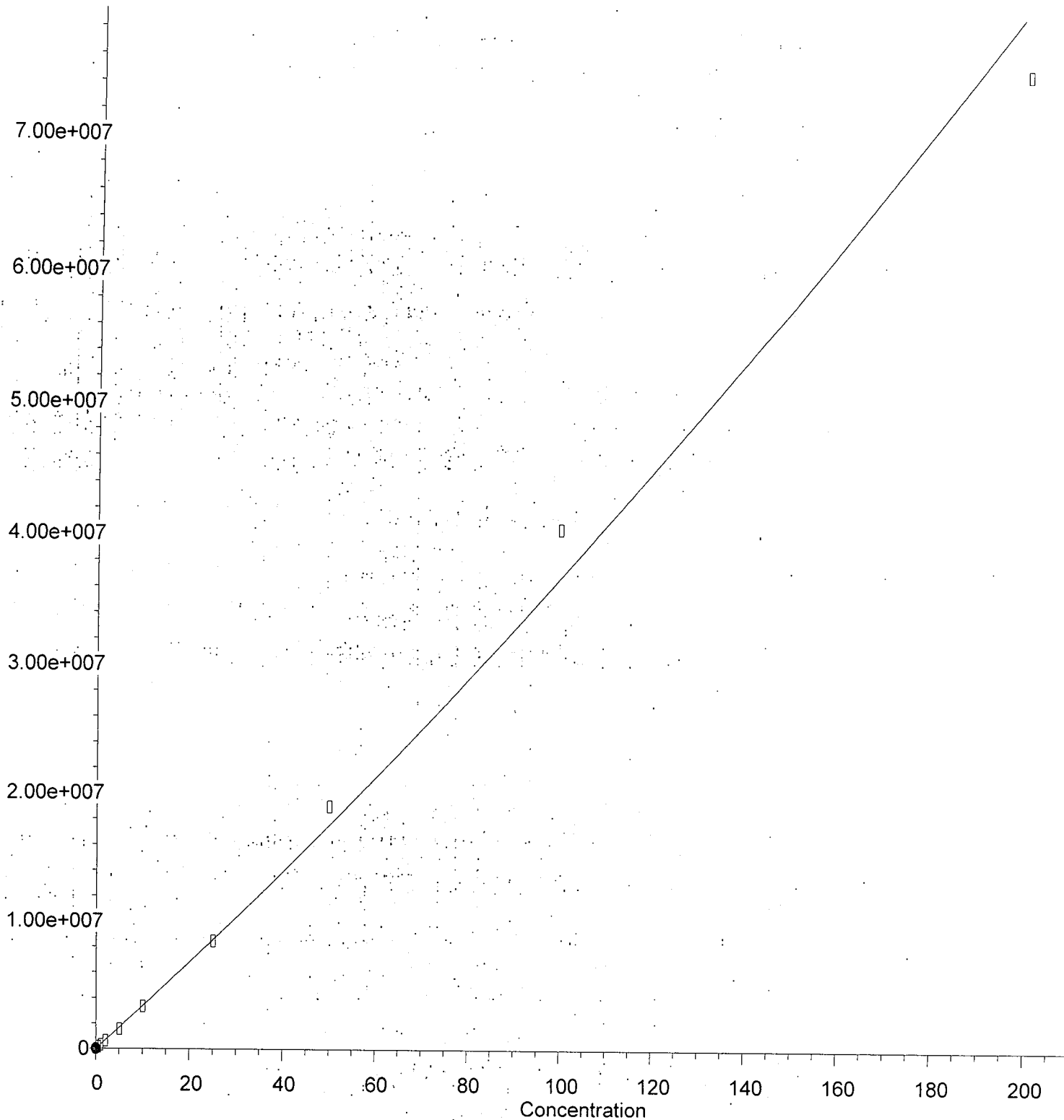
MJB
2/26/20

(6) d-BHC #2
7.280min -0.067 ng/mL
response 3266

(+) = Expected Retention Time

4,4'-DDE #2

Response



$R = 3.47e+002 A^2 + 3.33e+005 A - 1.08e+004$

Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPST_200225.M

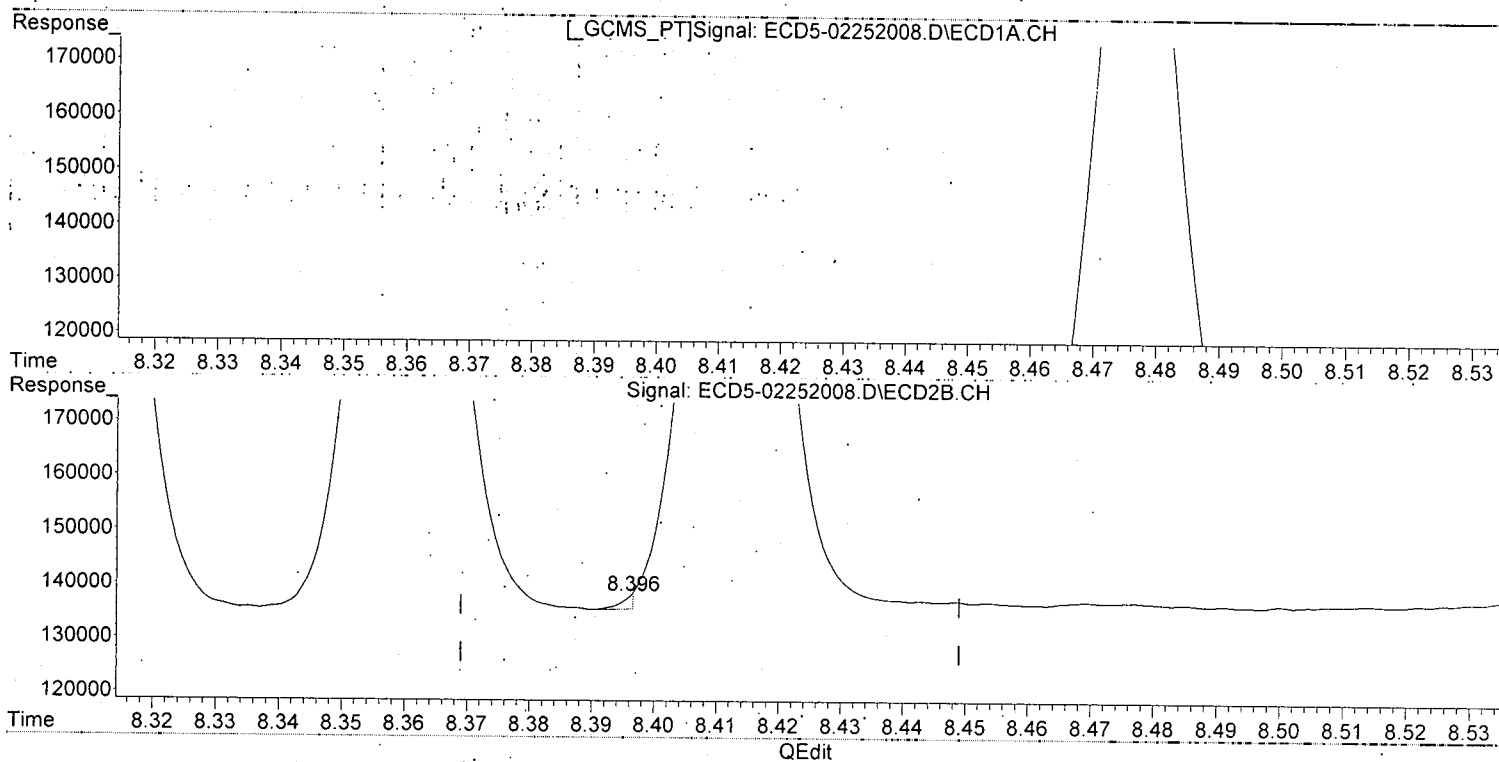
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



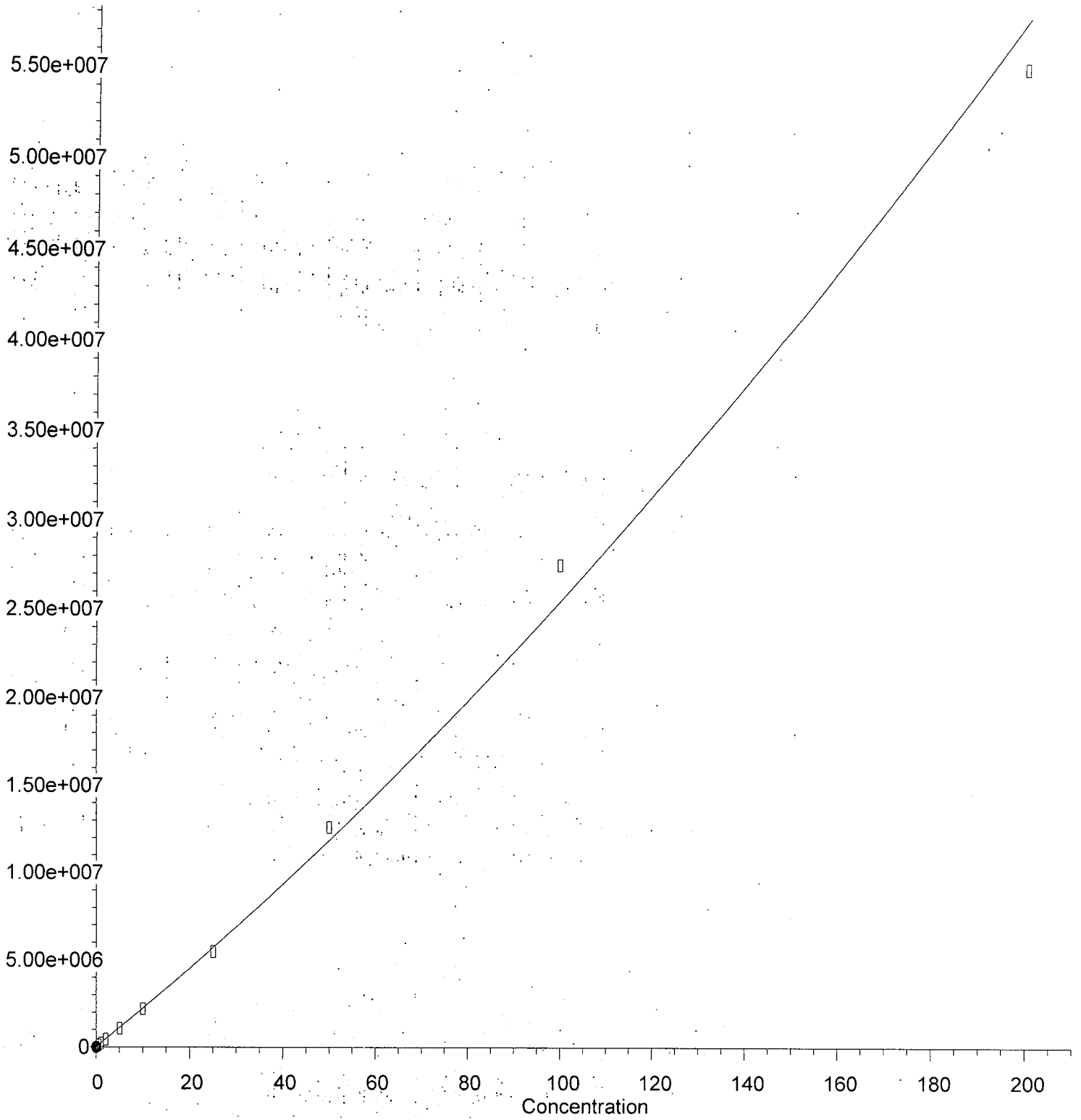
(12) 4,4'-DDE
7.651min 0.513 ng/mL
response 115550

MJB
2/26/20

(12) 4,4'-DDE #2
8.396min 0.040 ng/mL (m)
response 2531

Endrin #2

Response



$R = 3.59e+002 A^2 + 2.18e+005 A + 6.99e+003$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

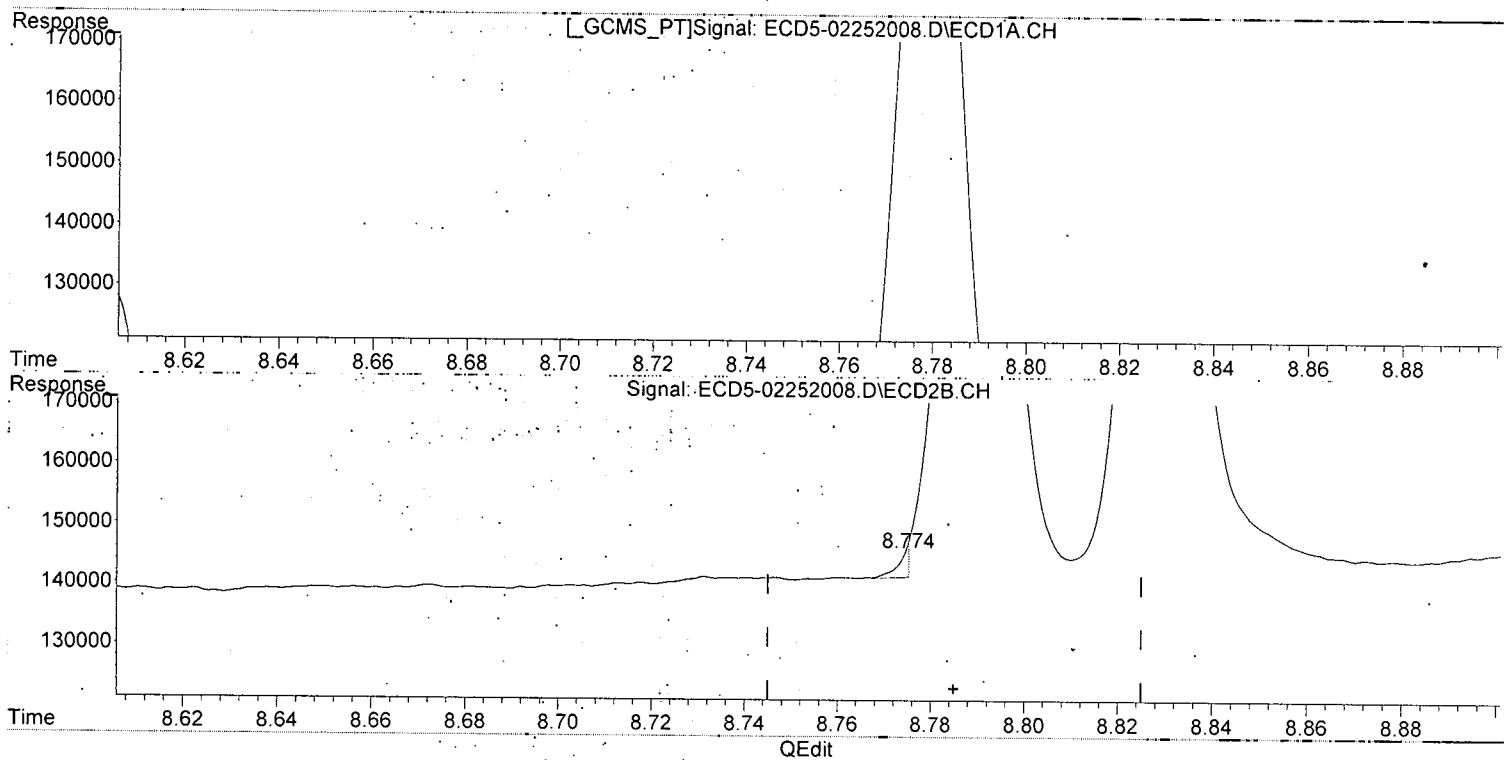
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

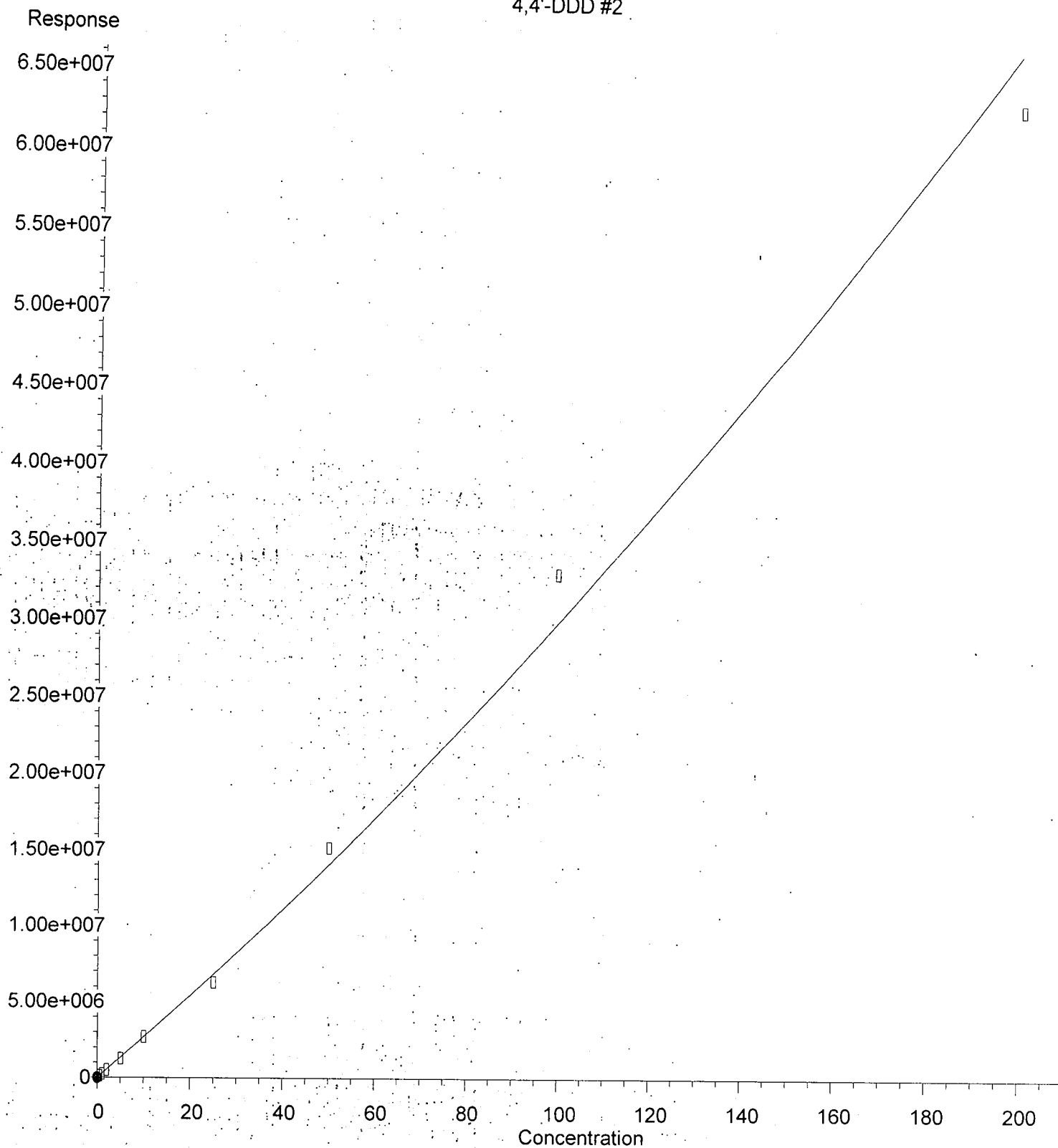


(14) Endrin
8.029min 0.540 ng/mL
response 89558

MJB
2/26/20

(14) Endrin #2
8.774min -0.013 ng/mL (m)
response 4094

4,4'-DDD #2



$R = 3.55e+002 A^2 + 2.63e+005 A + 1.11e+003$

Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w/(1/a^2)

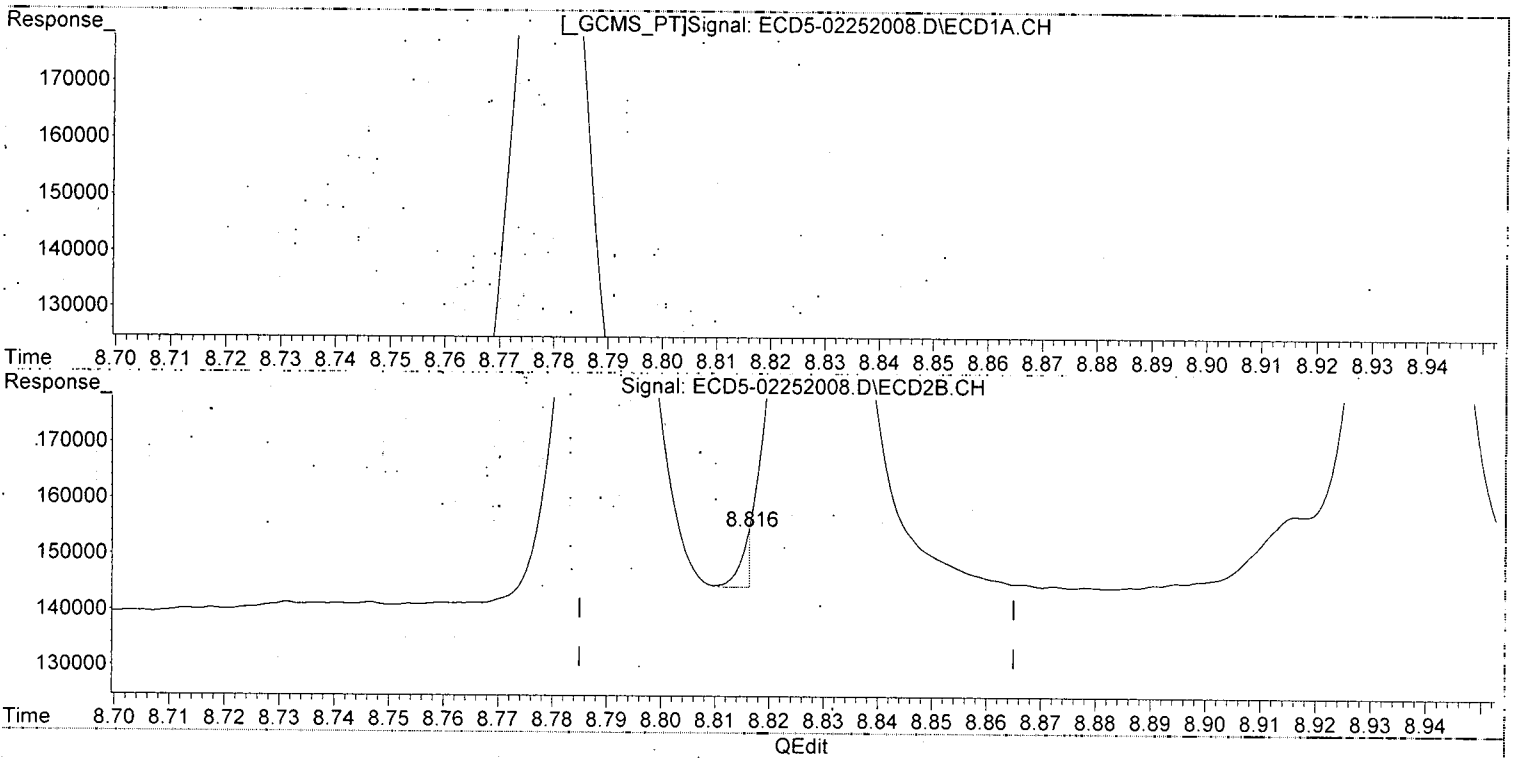
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



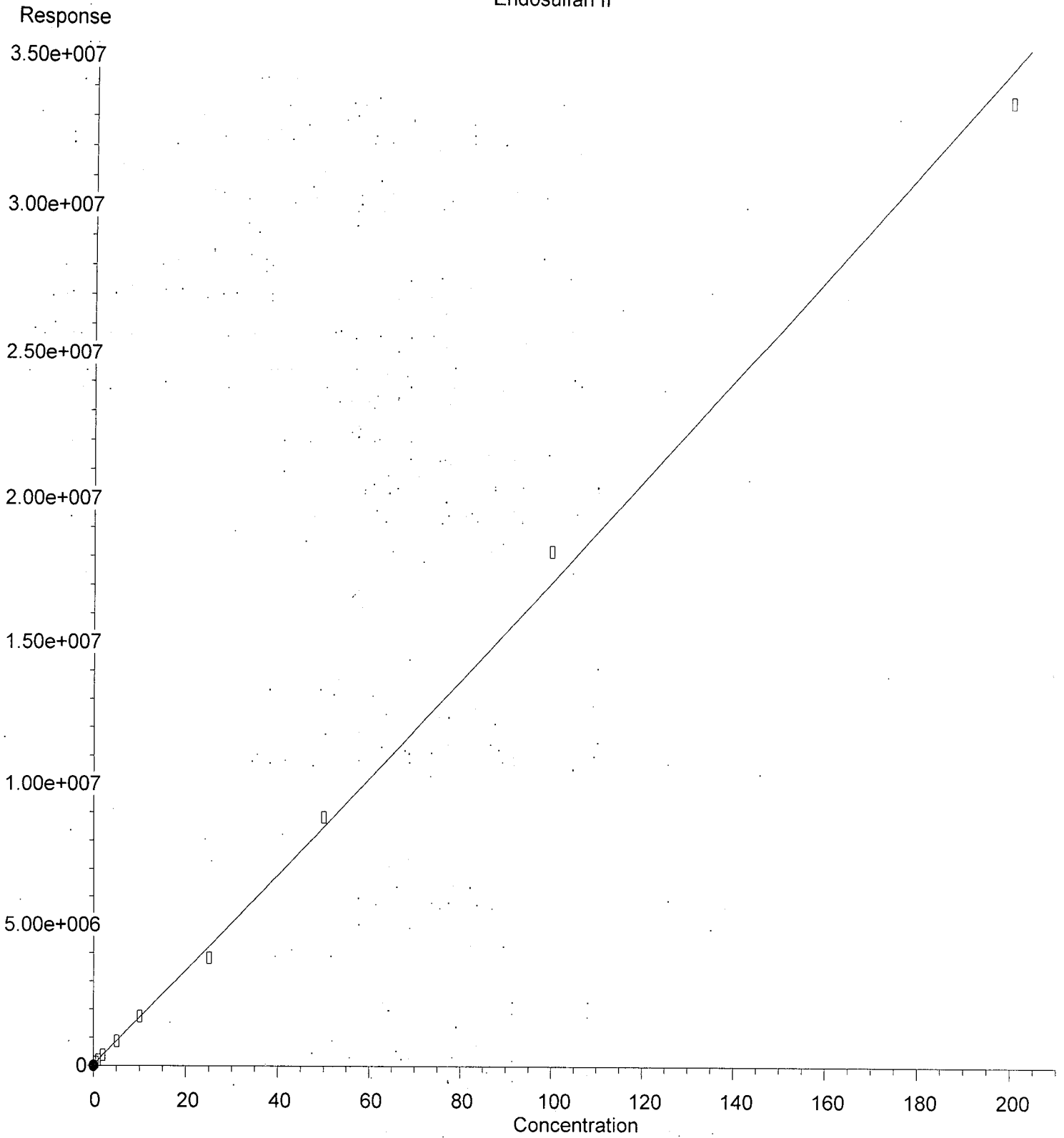
(15) 4,4'-DDD
8.073min 0.541 ng/mL
response 100840

*MJB
2/26/20*

(15) 4,4'-DDD #2
8.816min 0.034 ng/mL (m)
response 9954

(+) = Expected Retention Time

Endosulfan II



$R = 3.79e+001 A^2 + 1.67e+005 A + 3.93e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

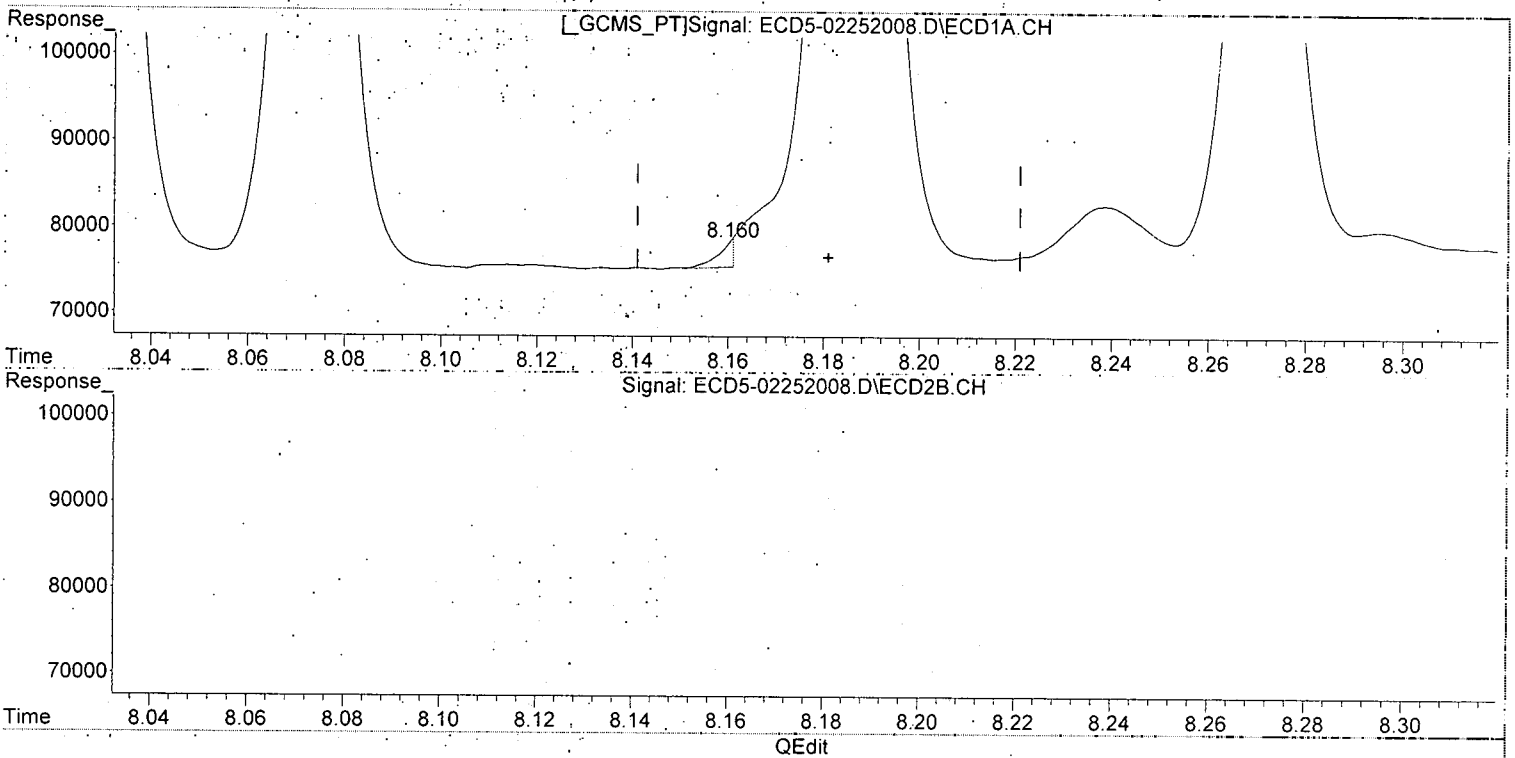
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



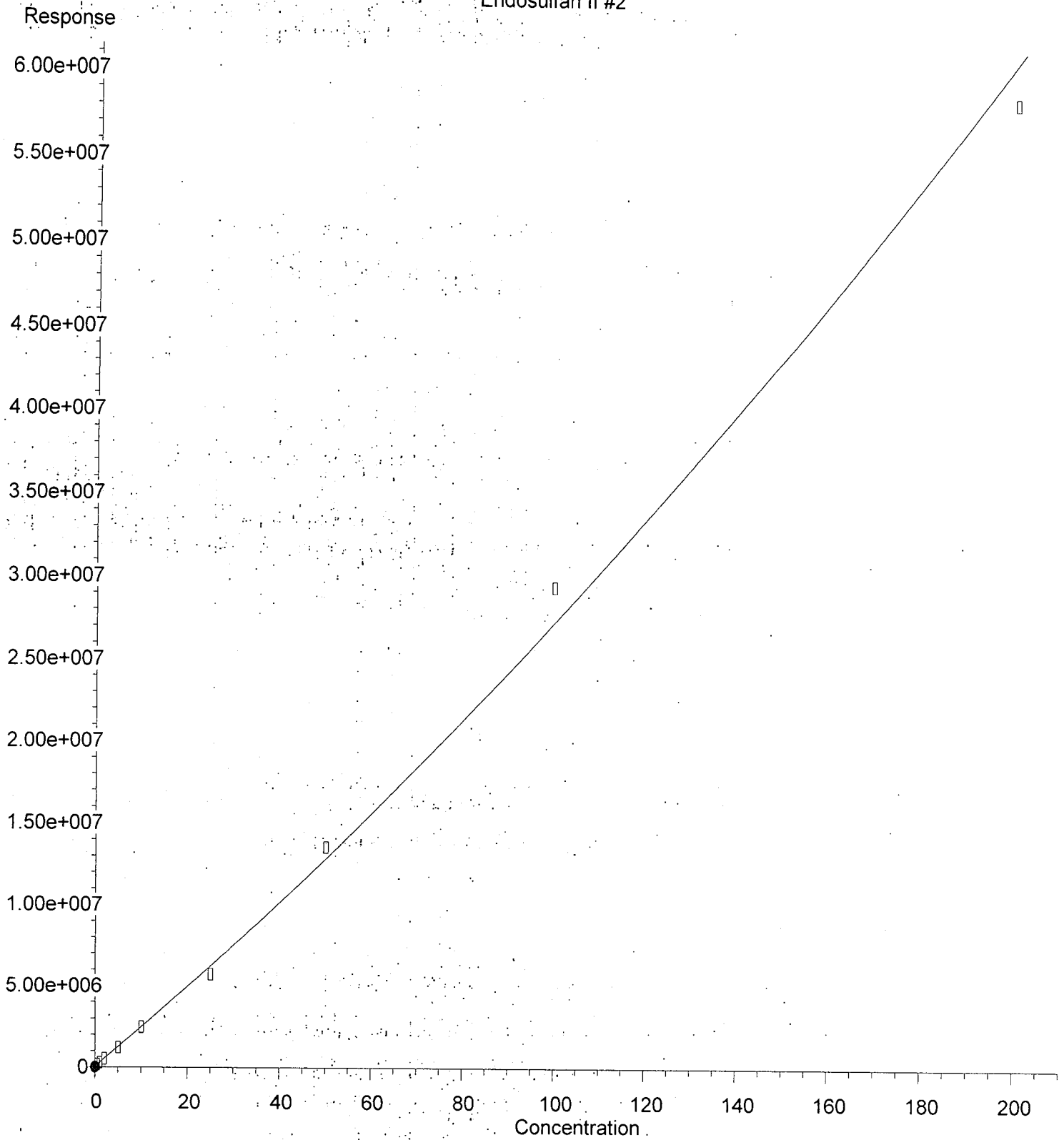
(16) Endosulfan II
8.160min 0.218 ng/mL (m)
response 2944

MJB
2/26/20

(16) Endosulfan II #2
8.937min 0.504 ng/mL
response 167227

(+) = Expected Retention Time

Endosulfan II #2



$R = 3.25e+002 A^2 + 2.39e+005 A + 4.65e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

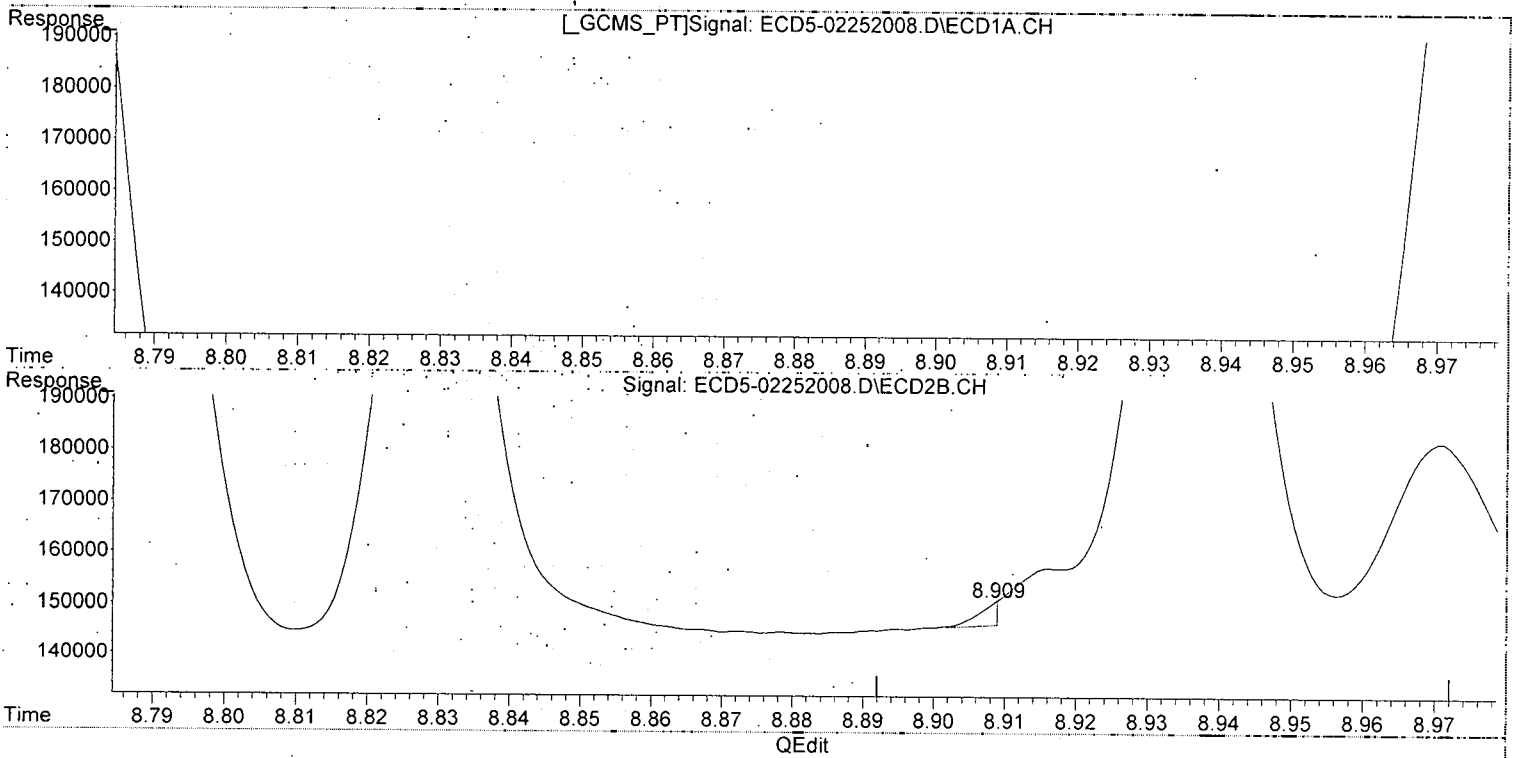
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



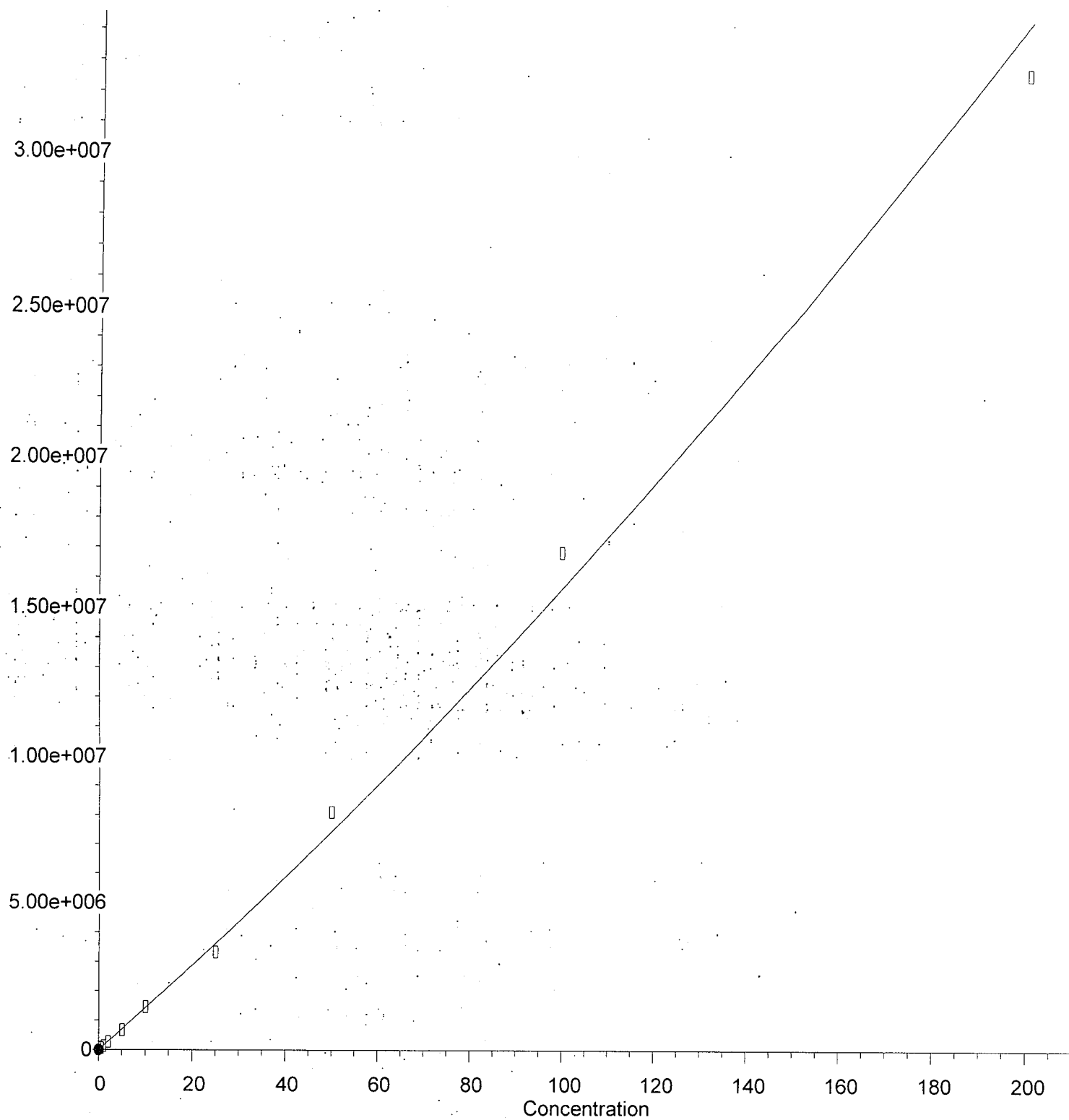
(16) Endosulfan II
8.160min -0.218 ng/mL m
response 2944

MJB
2/26/20

(16) Endosulfan II #2
8.909min -0.176 ng/mL(m)
response 4555

4,4'-DDT

Response



$R = 1.63e+002 A^2 + 1.40e+005 A + 1.23e+003$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

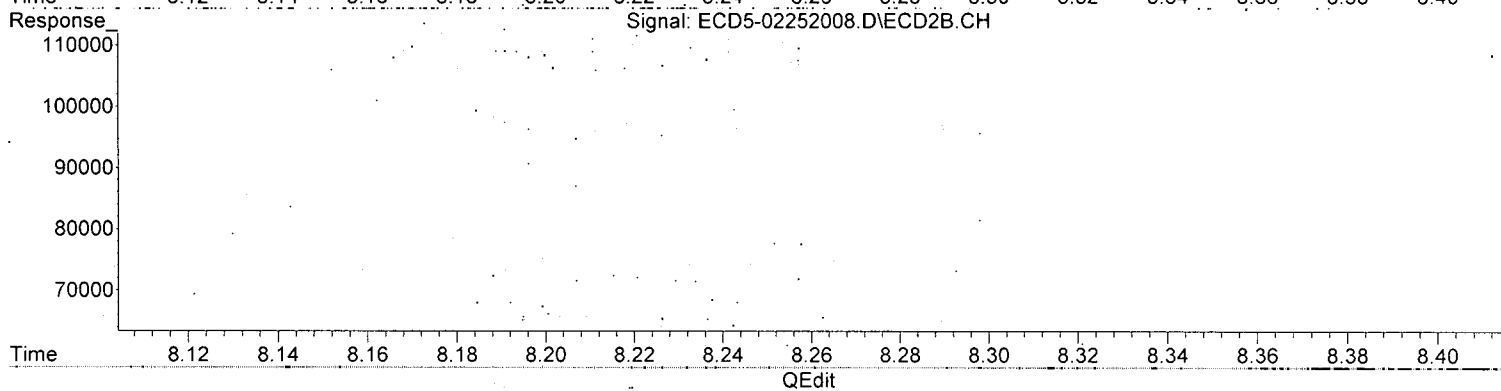
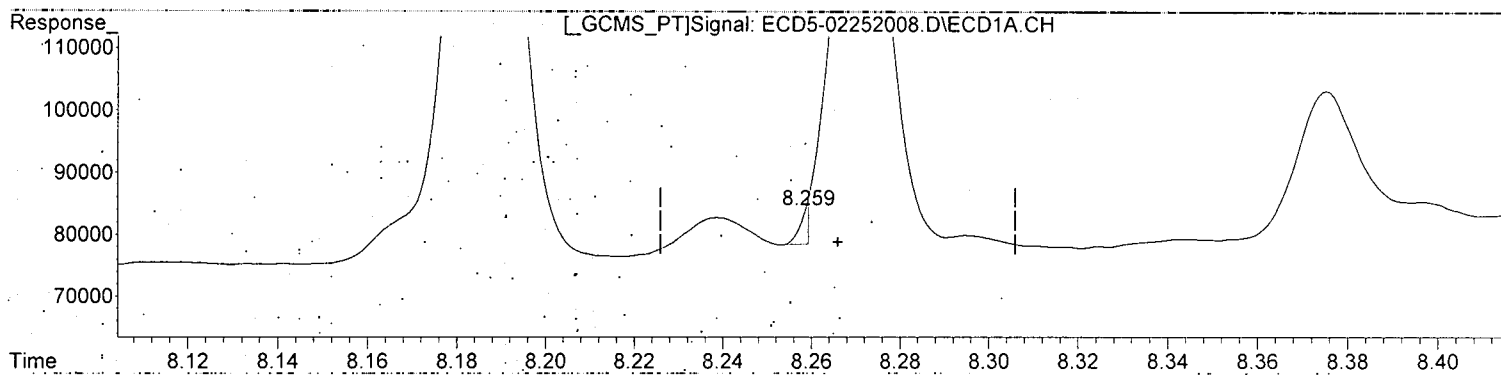
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

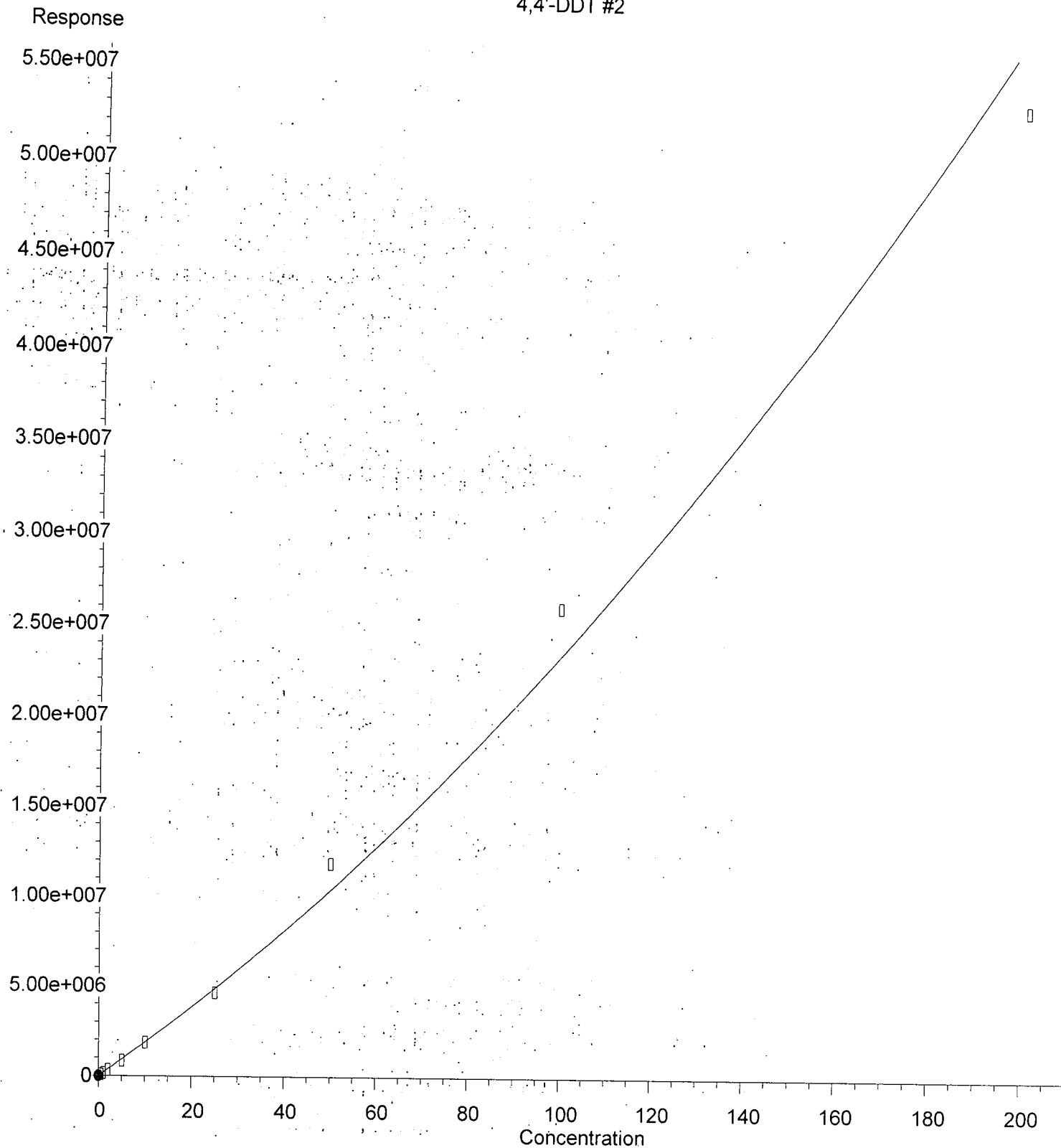


(17) 4,4'-DDT
8.259min 0.030 ng/mL
response 5491

MJB
2/26/20

(17) 4,4'-DDT #2
9.057min 0.531 ng/mL
response 81426

4,4'-DDT #2



$R = 5.19e+002 A^2 + 1.81e+005 A - 1.50e+004$

Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w(1/a^2)

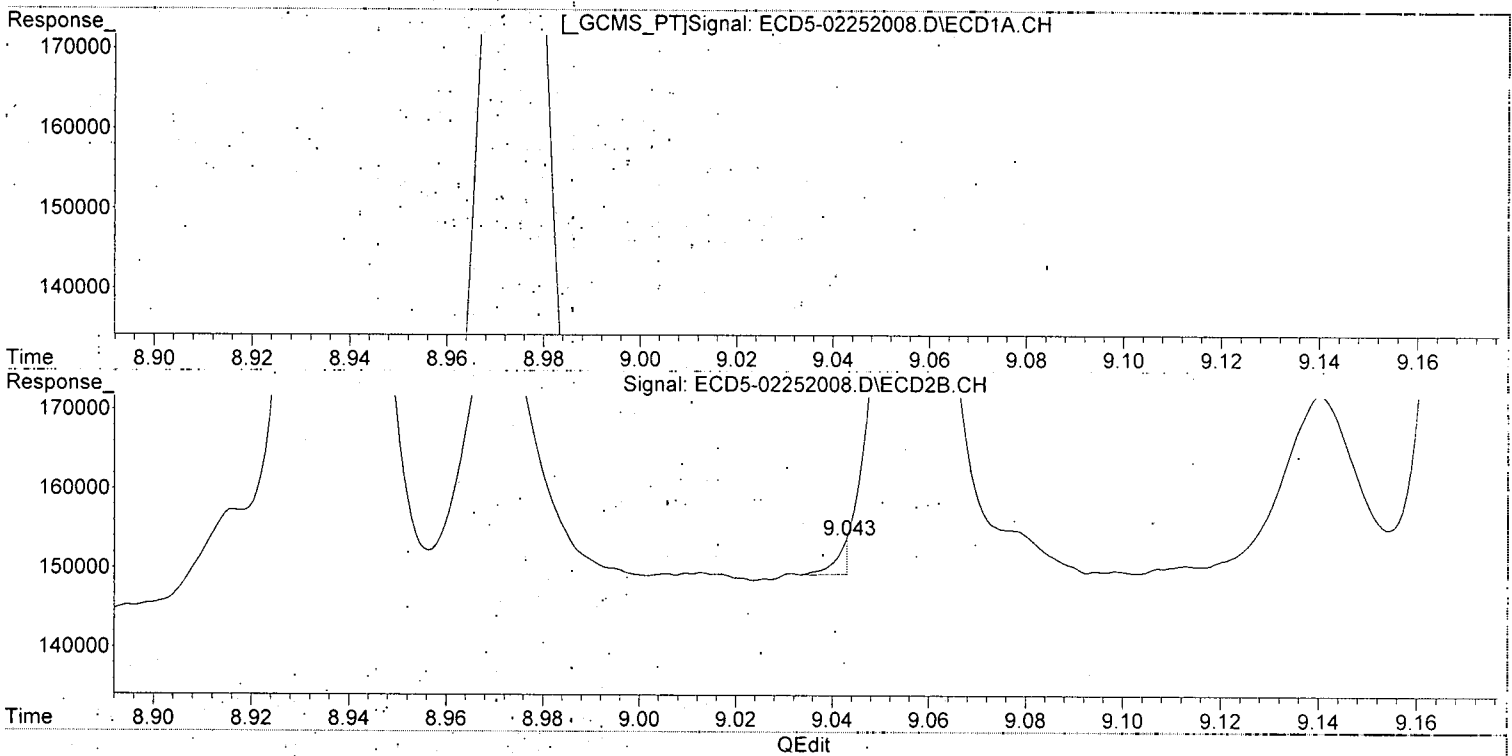
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

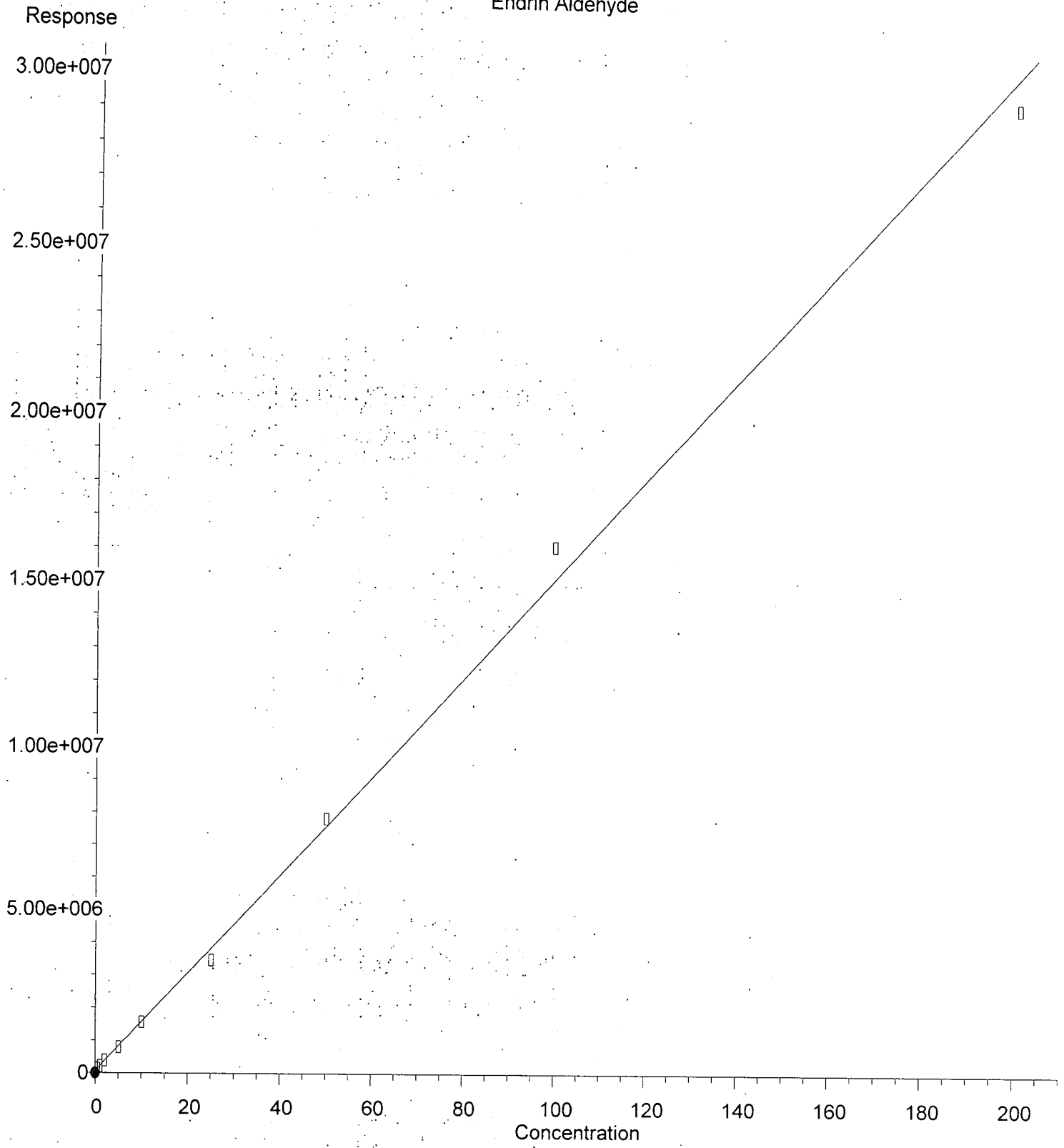


(17) 4,4'-DDT
8.259min 0.030 ng/mL m
response 5491

MJB
2/26/20

(17) 4,4'-DDT #2
9.043min 0.106 ng/mL(m)
response 4310

Endrin Aldehyde



$R = 6.32e+000 A^2 + 1.49e+005 A + 6.78e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)

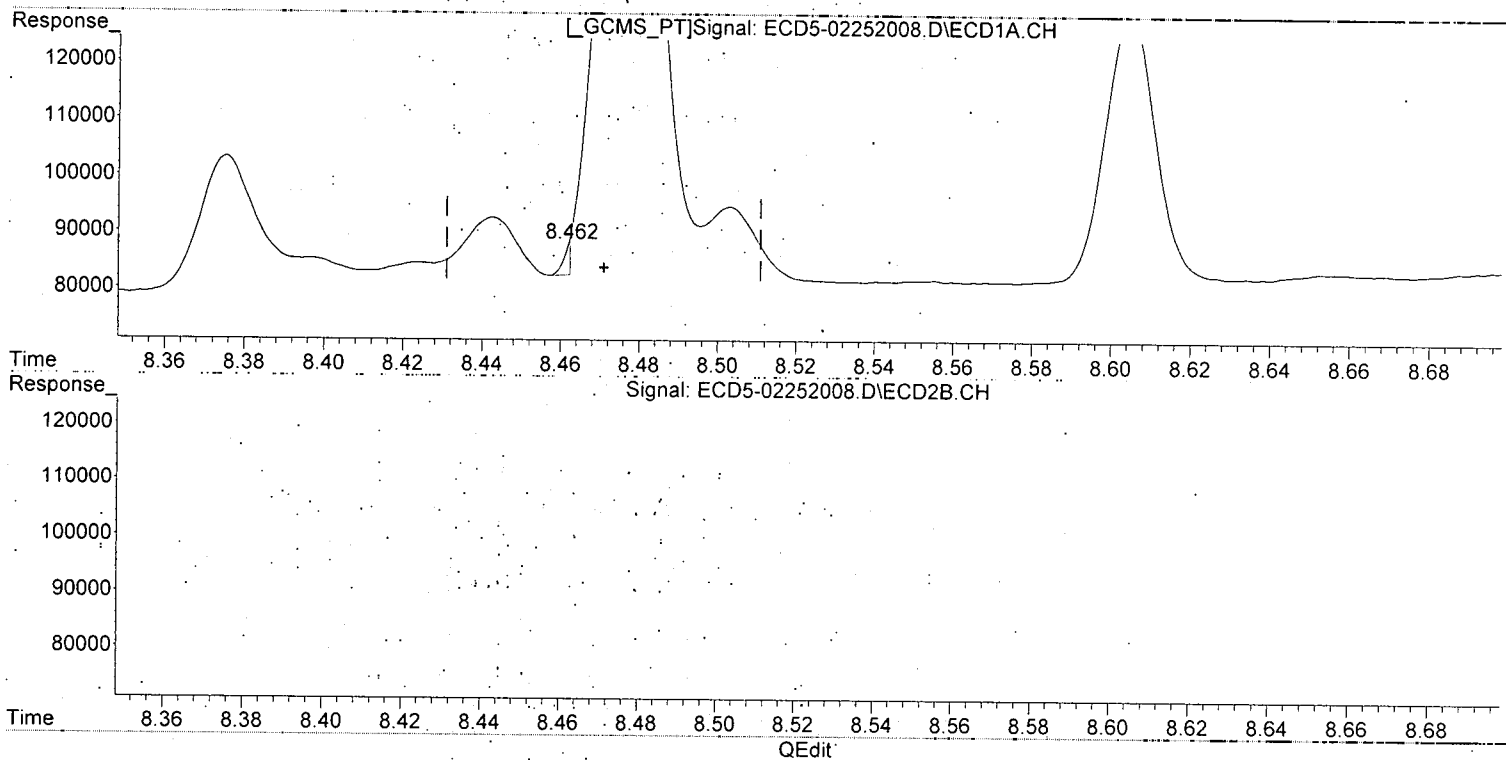
Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

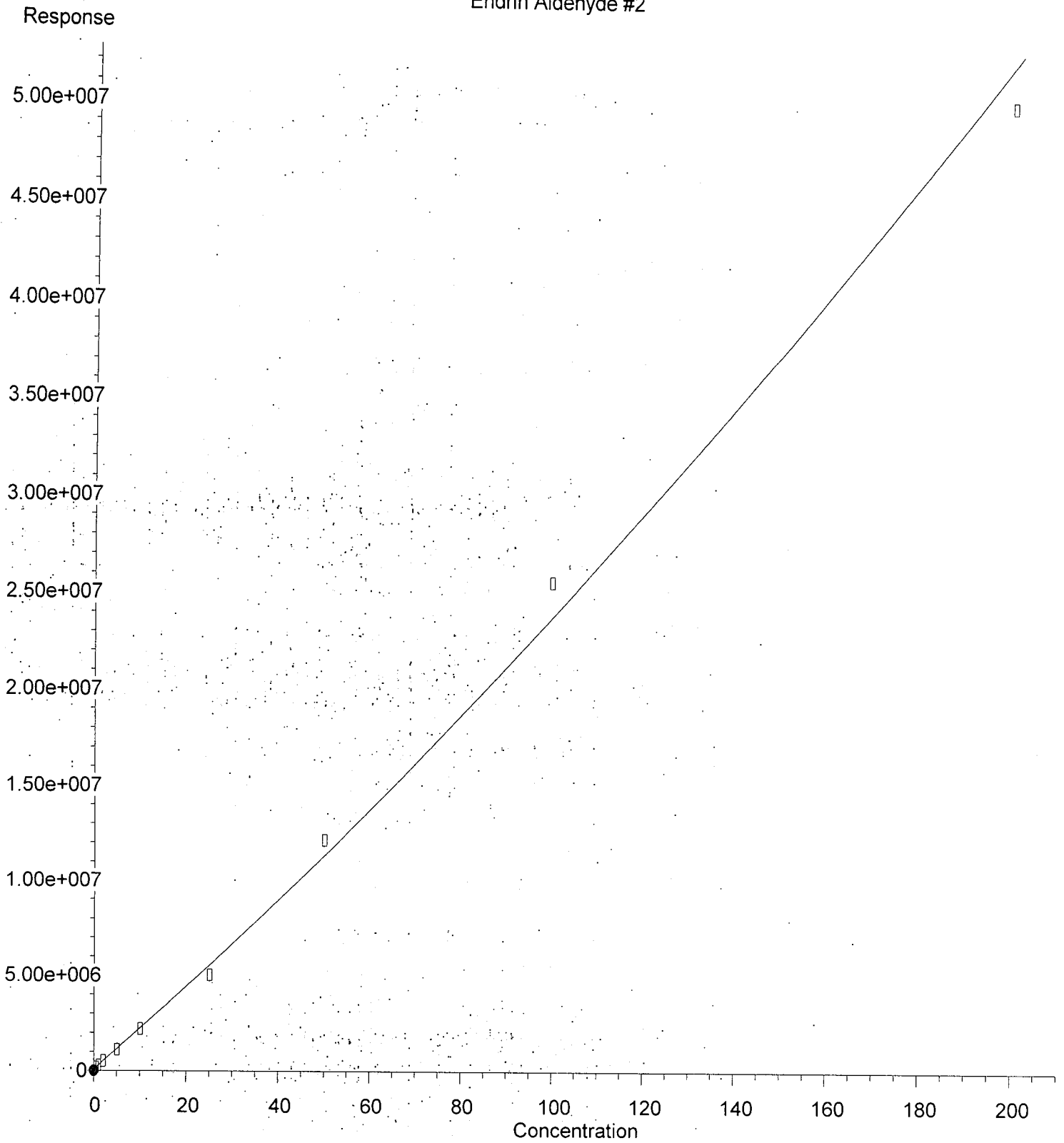


(18) Endrin Aldehyde
8.462min -0.417 ng/mL(m)
response 5606

*MJB
2/26/20*

(18) Endrin Aldehyde #2
9.174min 0.504 ng/mL
response 193803

Endrin Aldehyde #2



$R = 2.43e+002 A^2 + 2.12e+005 A + 8.68e+004$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

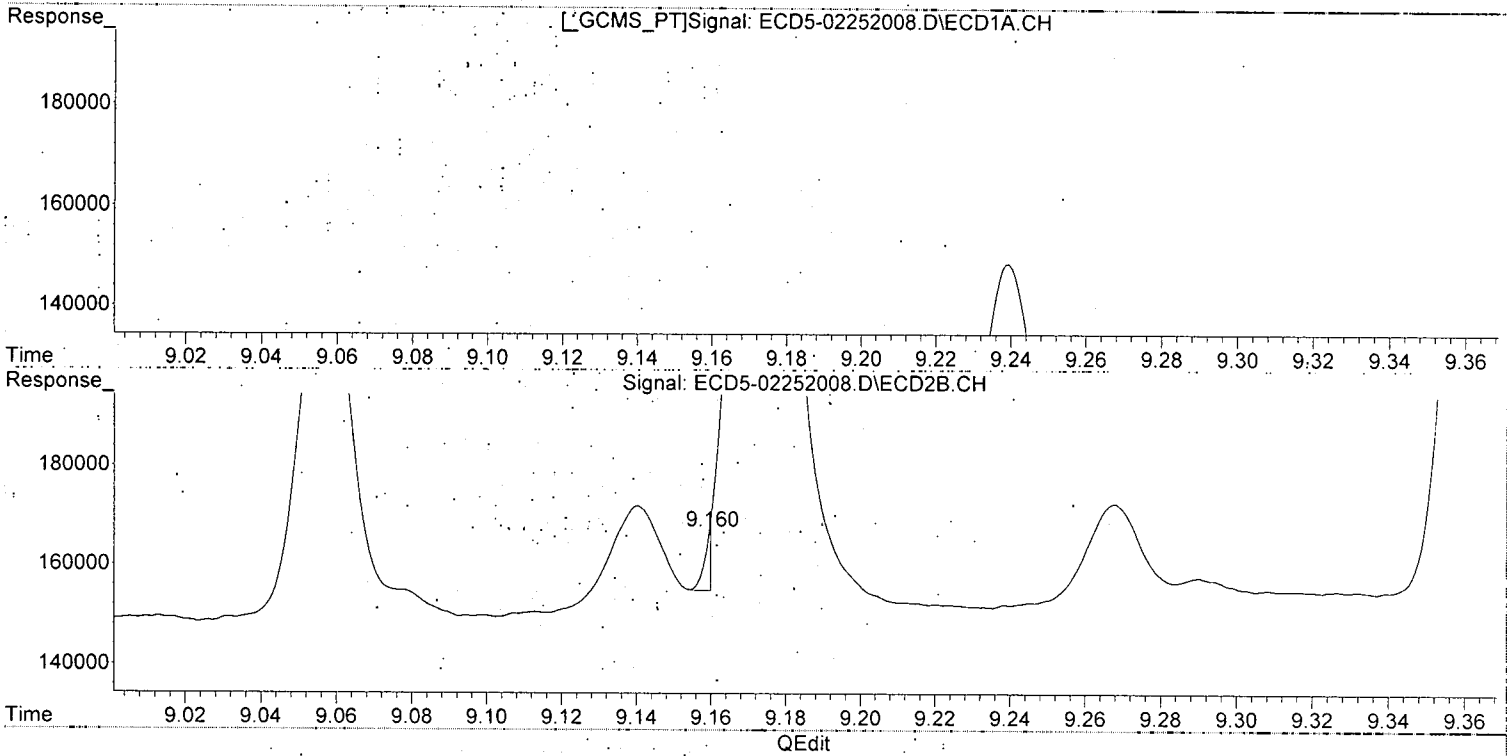
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



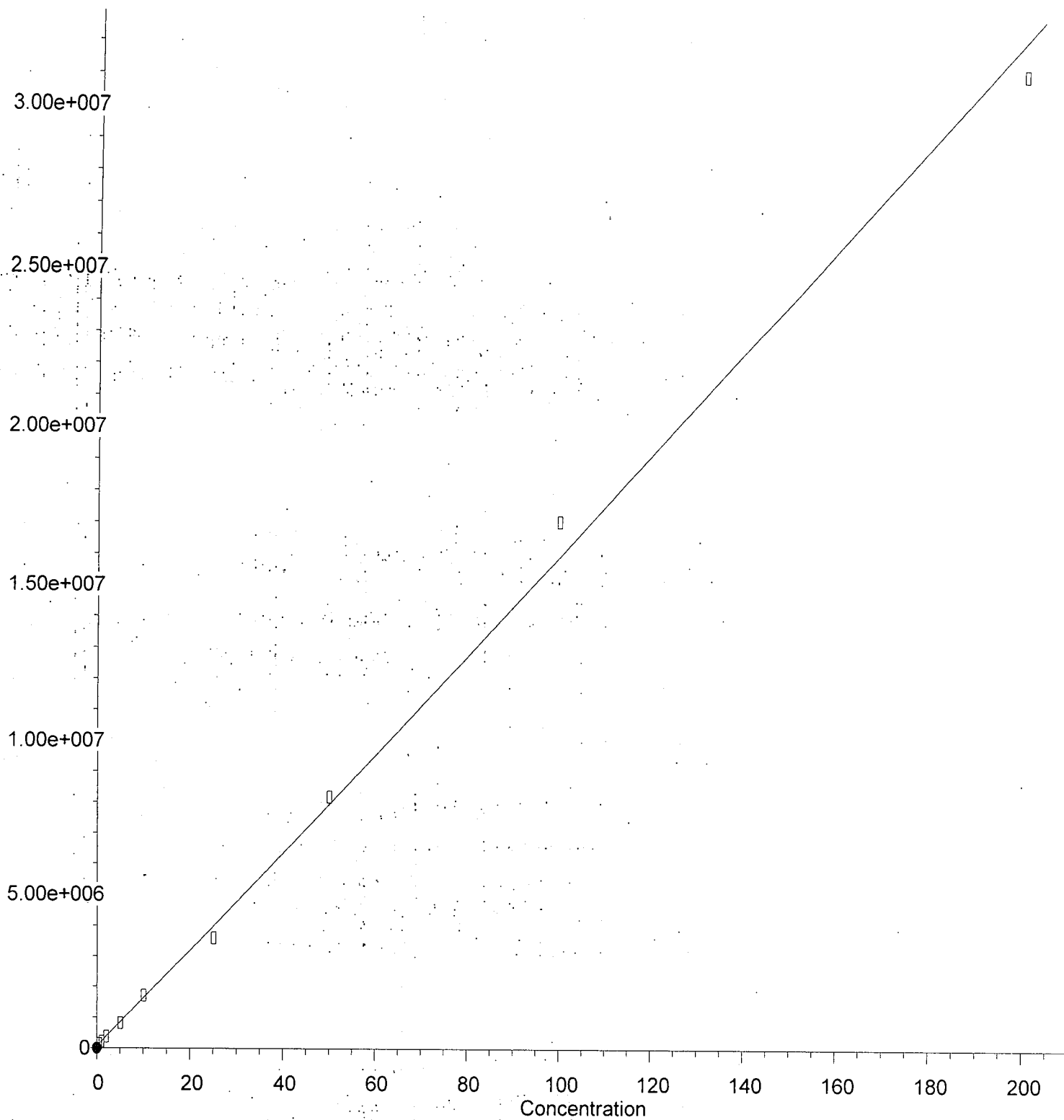
(18) Endrin Aldehyde
8.462min -0.417 ng/mL m
response 5606

MJB
2/26/20

(18) Endrin Aldehyde #2
9.159min -0.352 ng/mL (m)
response 12016

Endosulfan Sulfate

Response



$R = 3.02e+001 A^2 + 1.56e+005 A + 6.57e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

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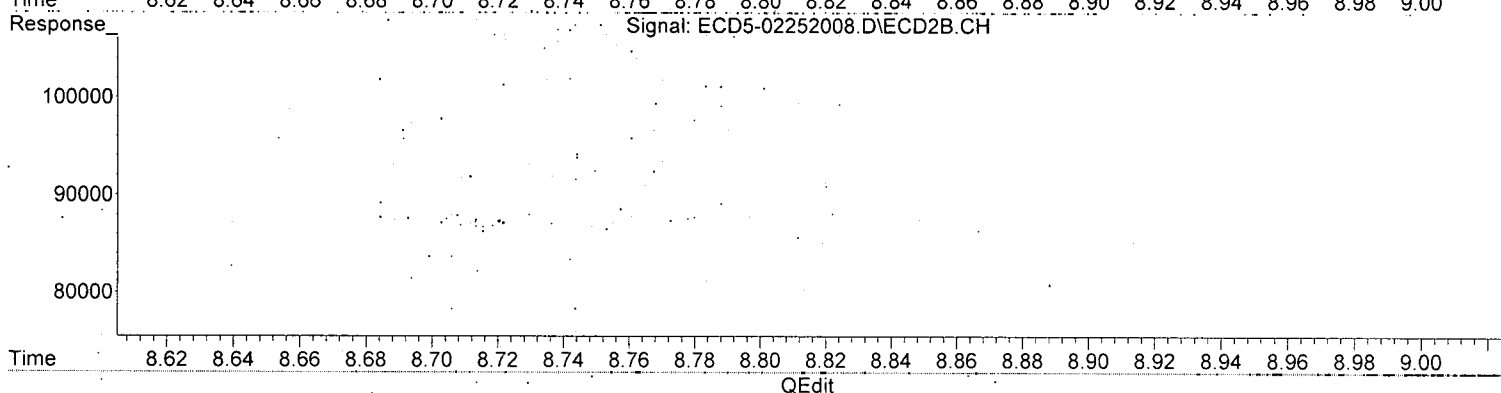
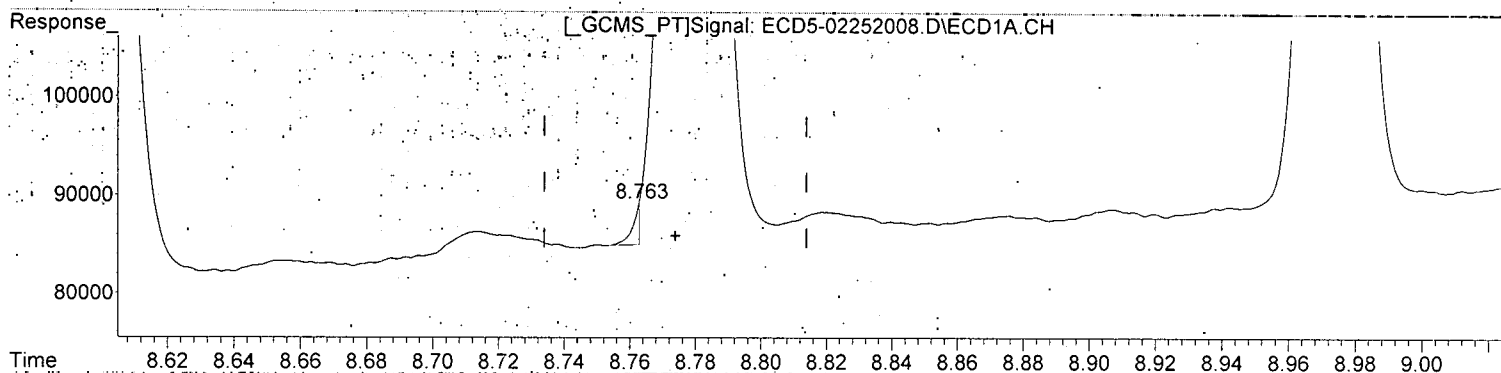
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

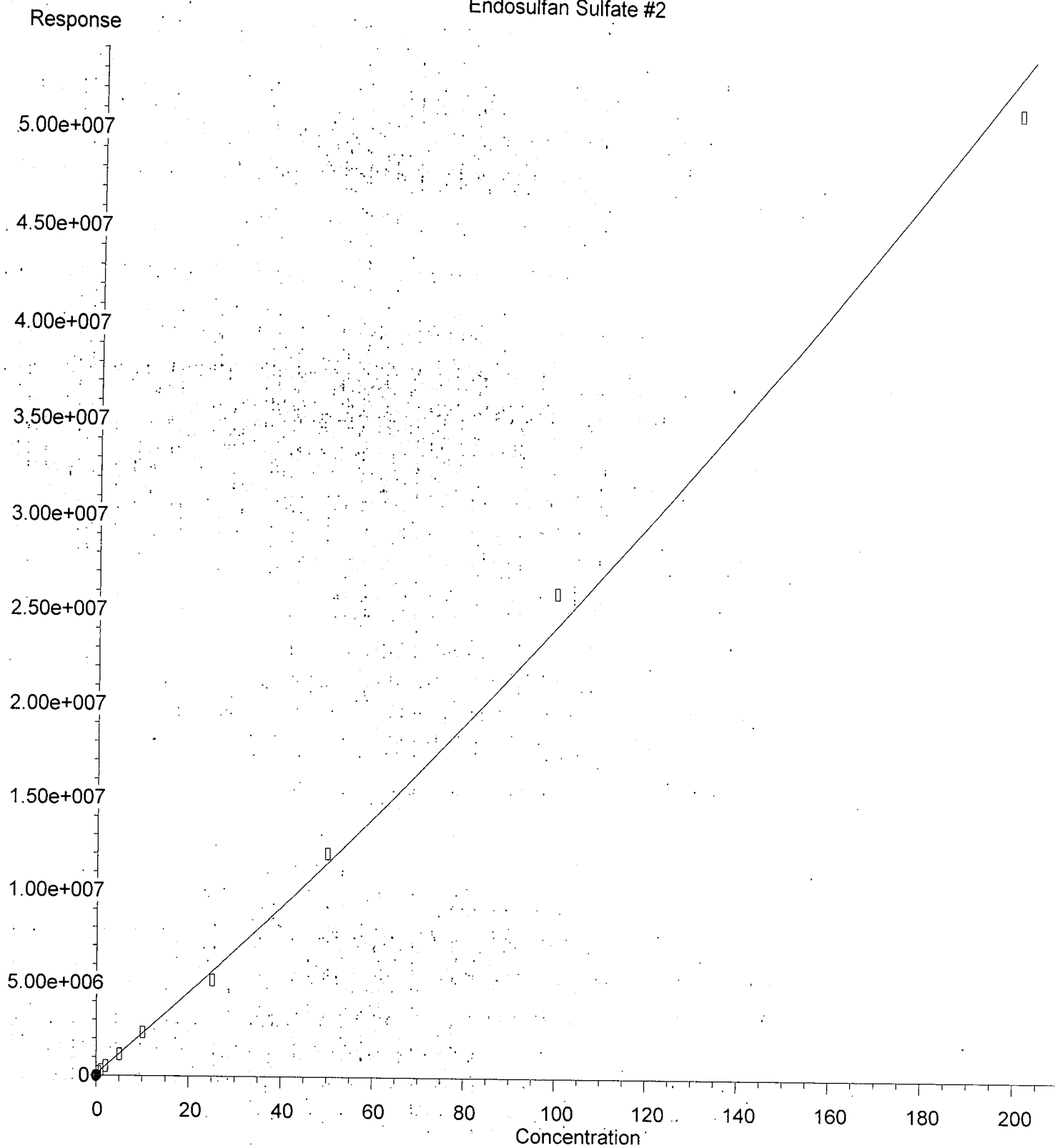


(19) Endosulfan Sulfate
8.763min -0.395 ng/mL (m)
response 4258

MJB
2/26/20

(19) Endosulfan Sulfate #2
9.364min 0.512 ng/mL
response 194517

Endosulfan Sulfate #2



$R = 2.55e+002 A^2 + 2.16e+005 A + 8.40e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)

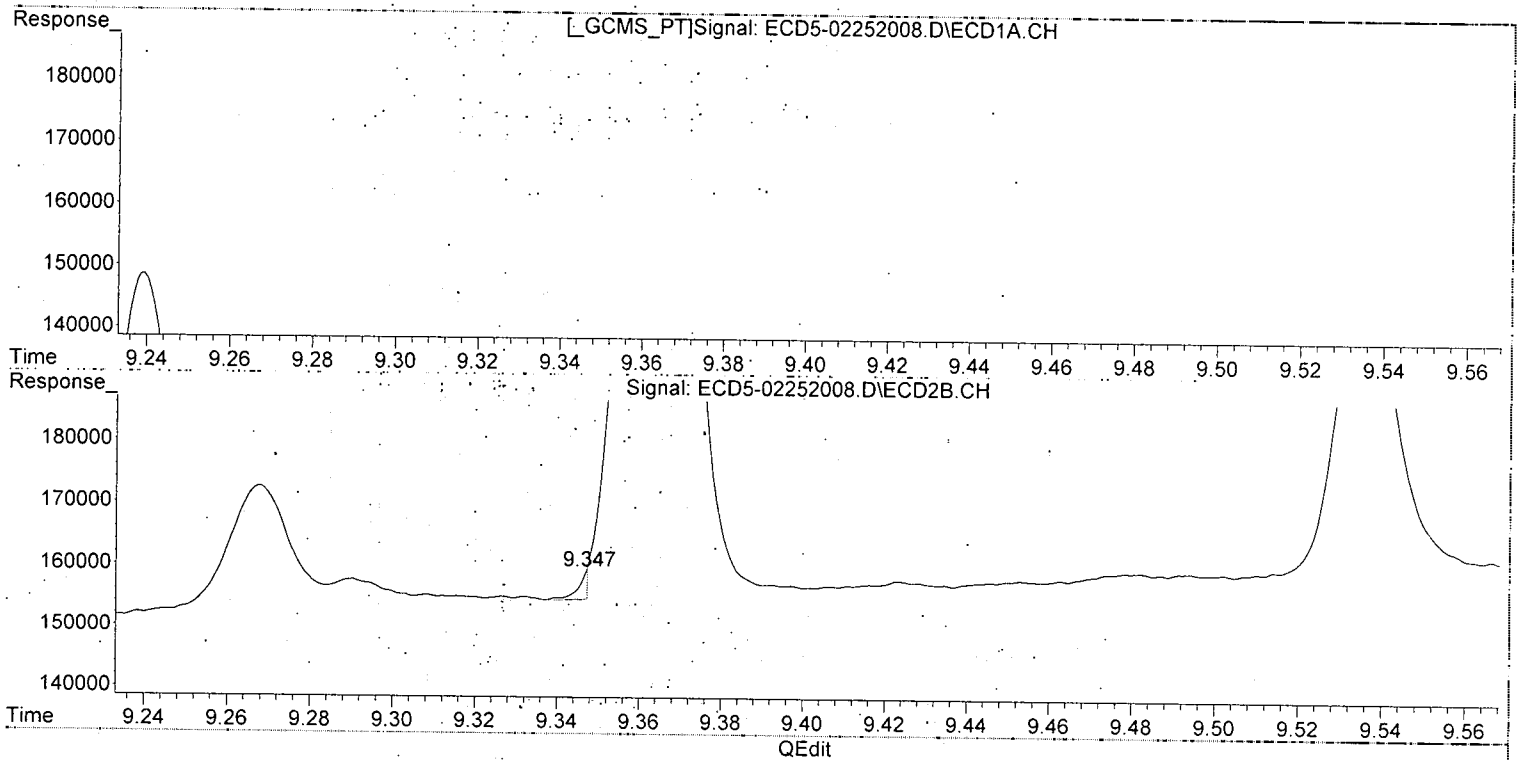
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(19) Endosulfan Sulfate
8.763min -0.395 ng/mL m
response 4258

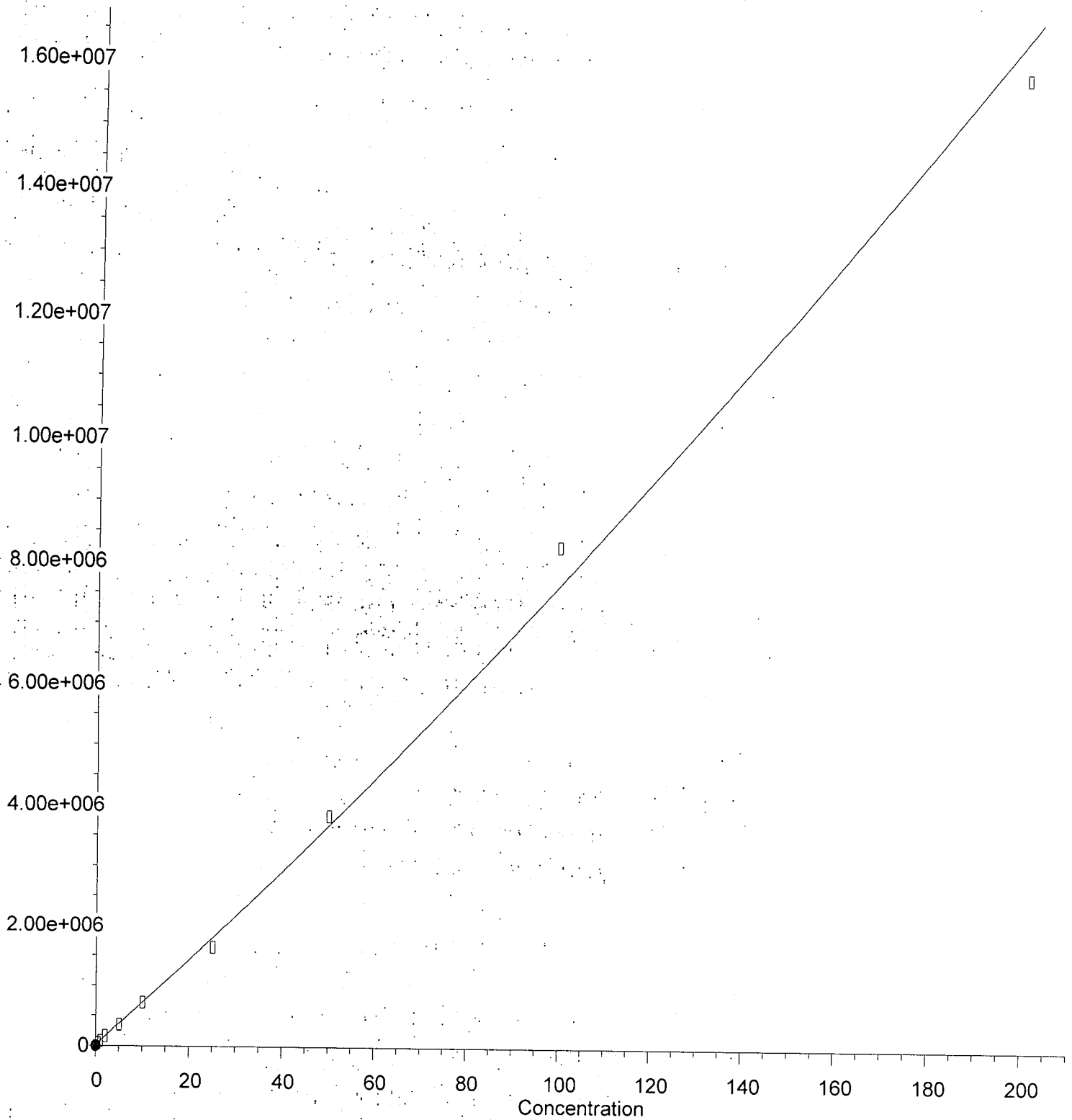
WP 2/26/20

(19) Endosulfan Sulfate #2
9.347min -0.369 ng/mL (m)
response 4554

(+) = Expected Retention Time

Methoxychlor

Response



$R = 6.68e+001 A^2 + 6.97e+004 A + 1.26e+004$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

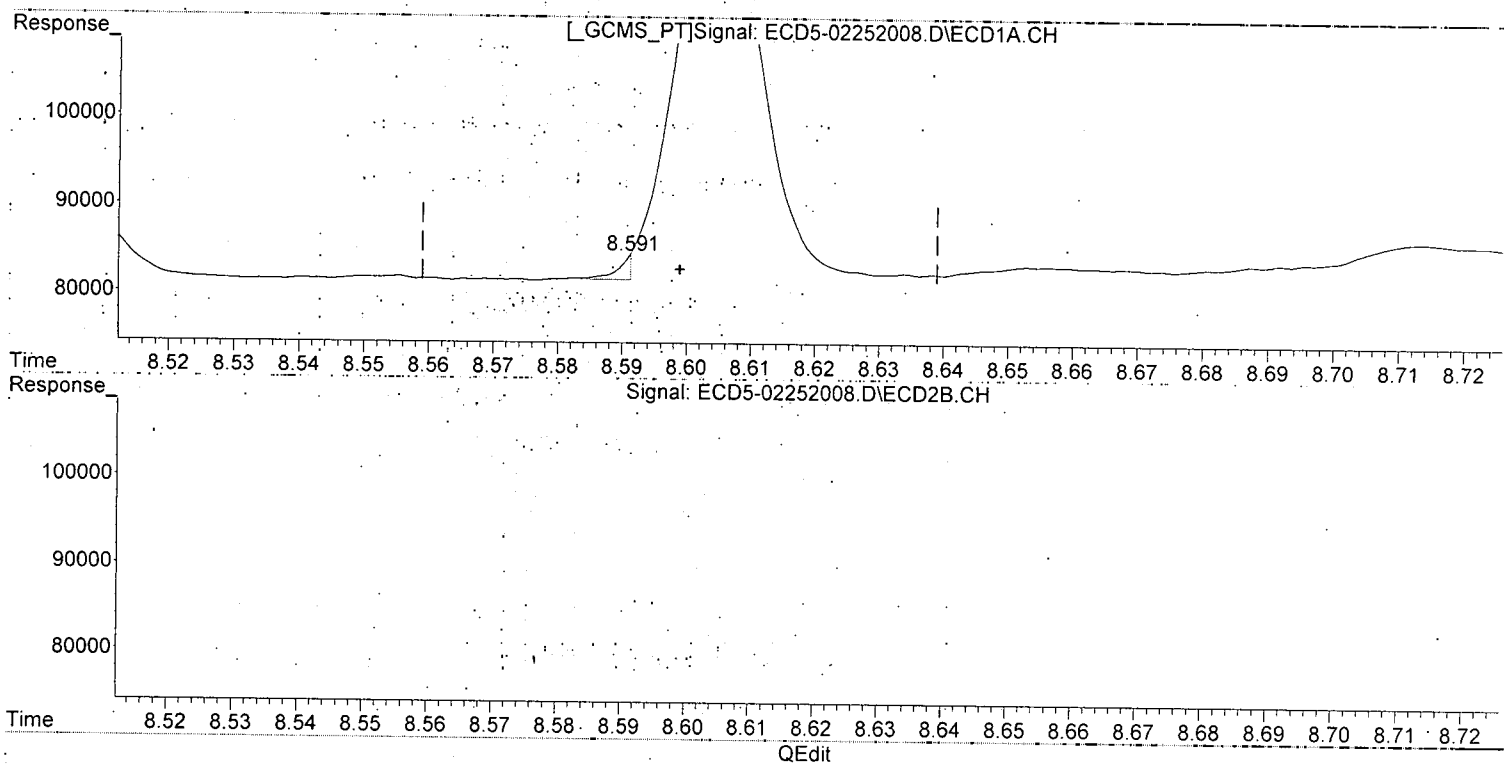
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



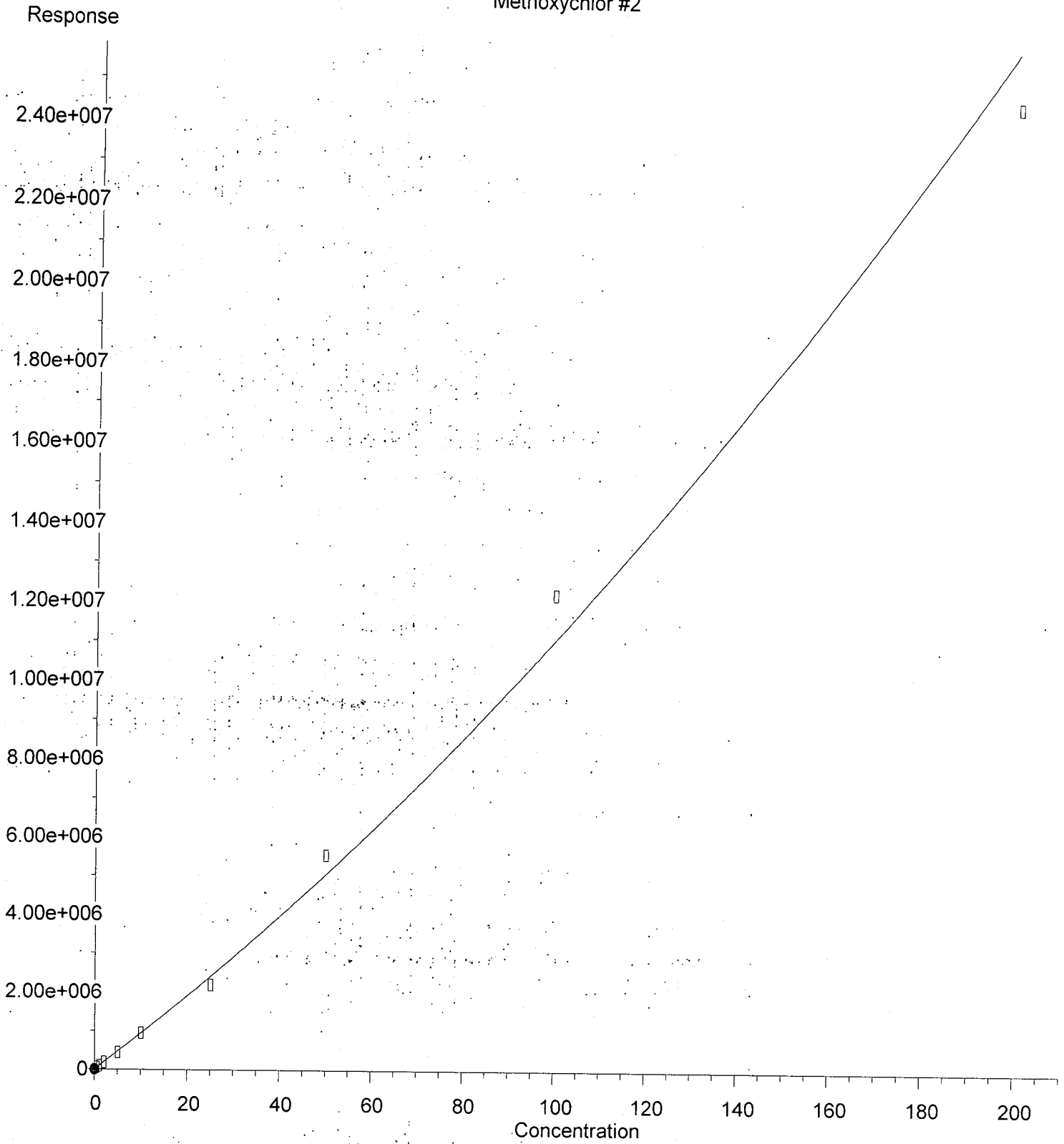
(20) Methoxychlor
8.591min -0.140 ng/mL
response 2791

MJB
2/26/20

(20) Methoxychlor #2
9.536min 0.513 ng/mL
response 50315

(+) = Expected Retention Time

Methoxychlor #2



$R = 1.97e+002 A^2 + 9.08e+004 A + 3.72e+003$

Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)

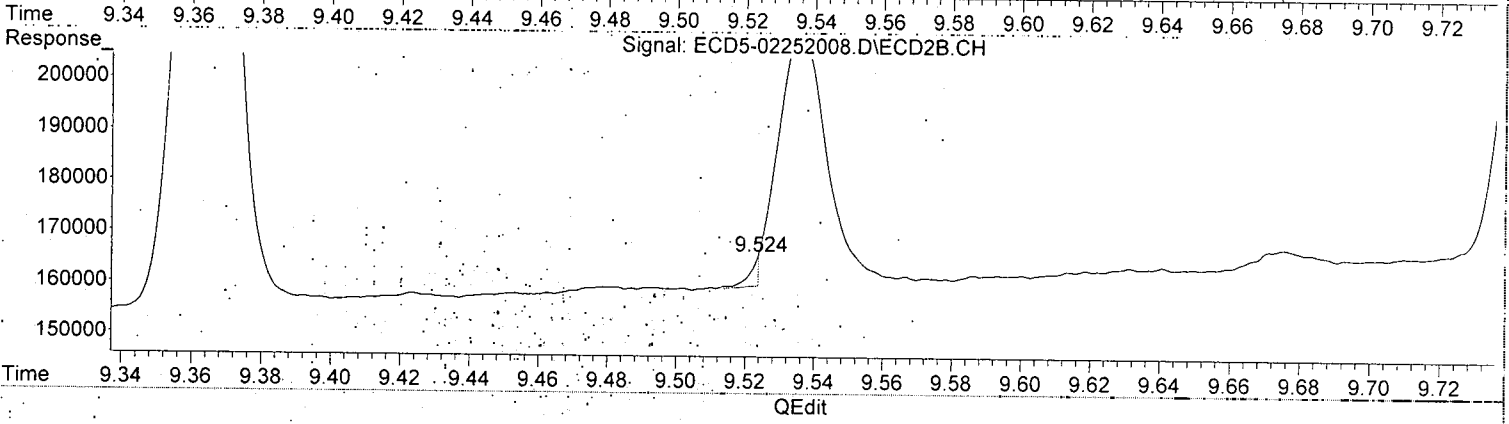
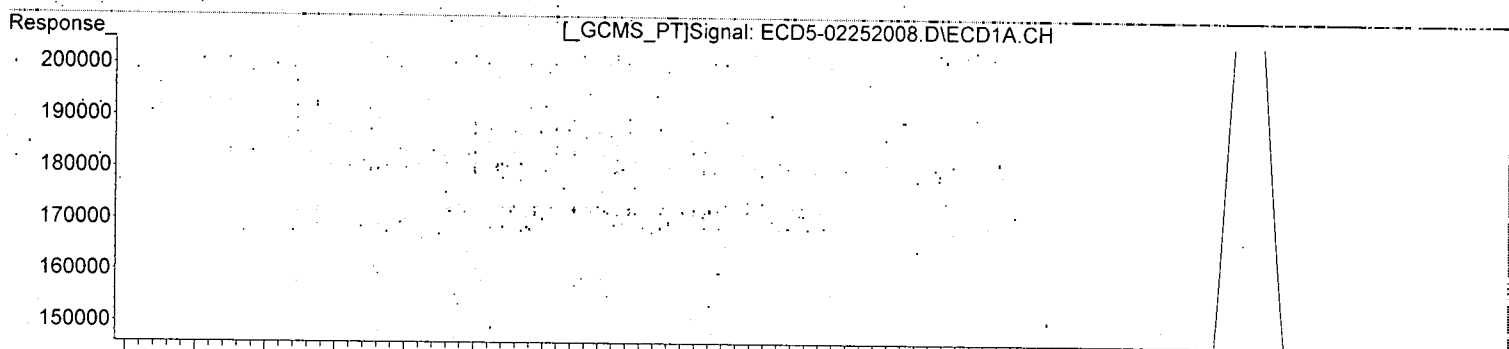
Method Name: C:\msdchem\1\methods\ECD5-QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

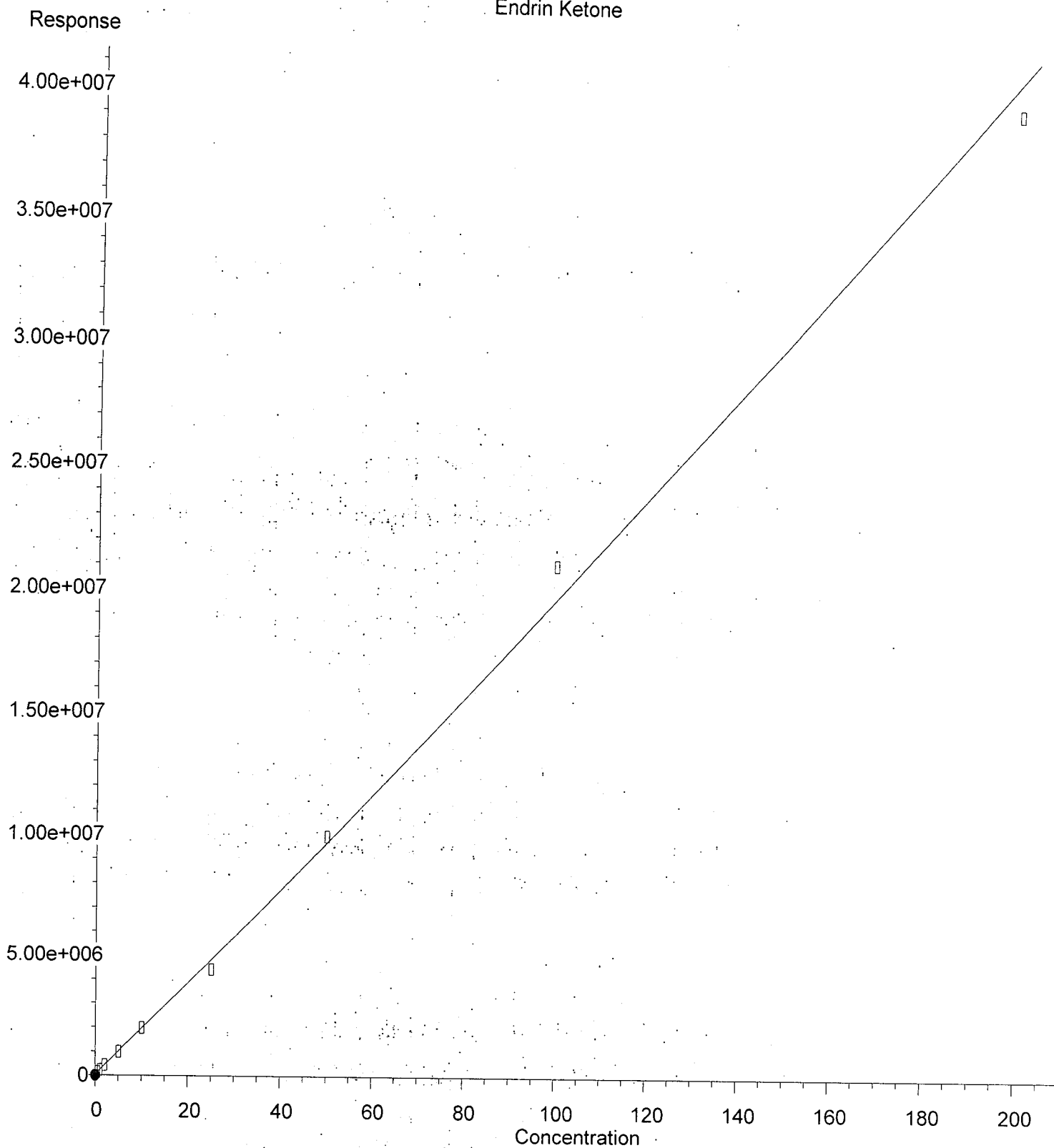


(20) Methoxychlor
8.591min -0.140 ng/mL m
response 2791

*MB
2/26/20*

(20) Methoxychlor #2
9.524min 0.022 ng/mL m
response 5754

Endrin Ketone



$R = 7.55e+001 A^2 + 1.88e+005 A + 4.73e+004$

Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)

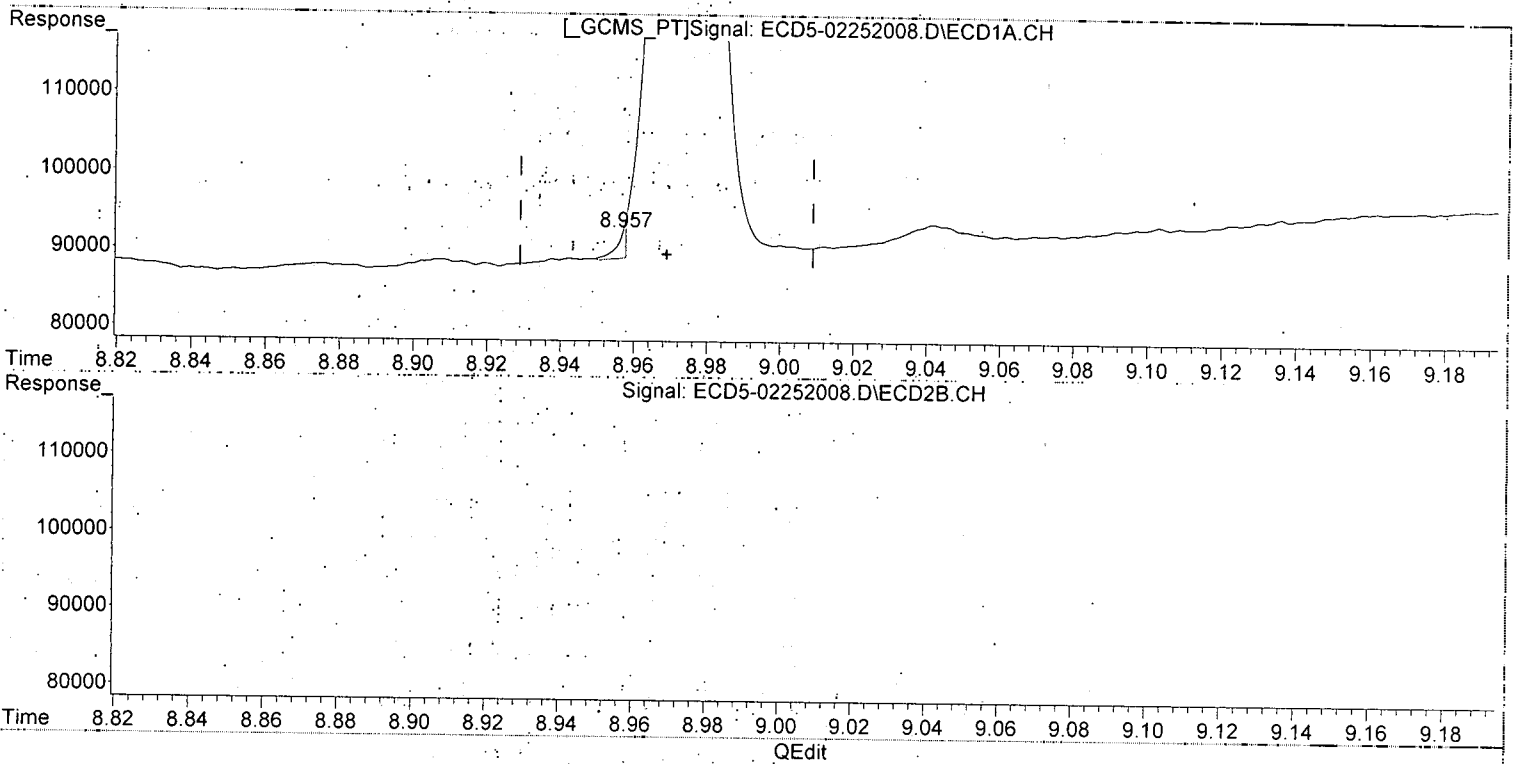
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(21) Endrin Ketone
8.957min -0.234 ng/mL m
response 3346

*MJB
2/26/20*

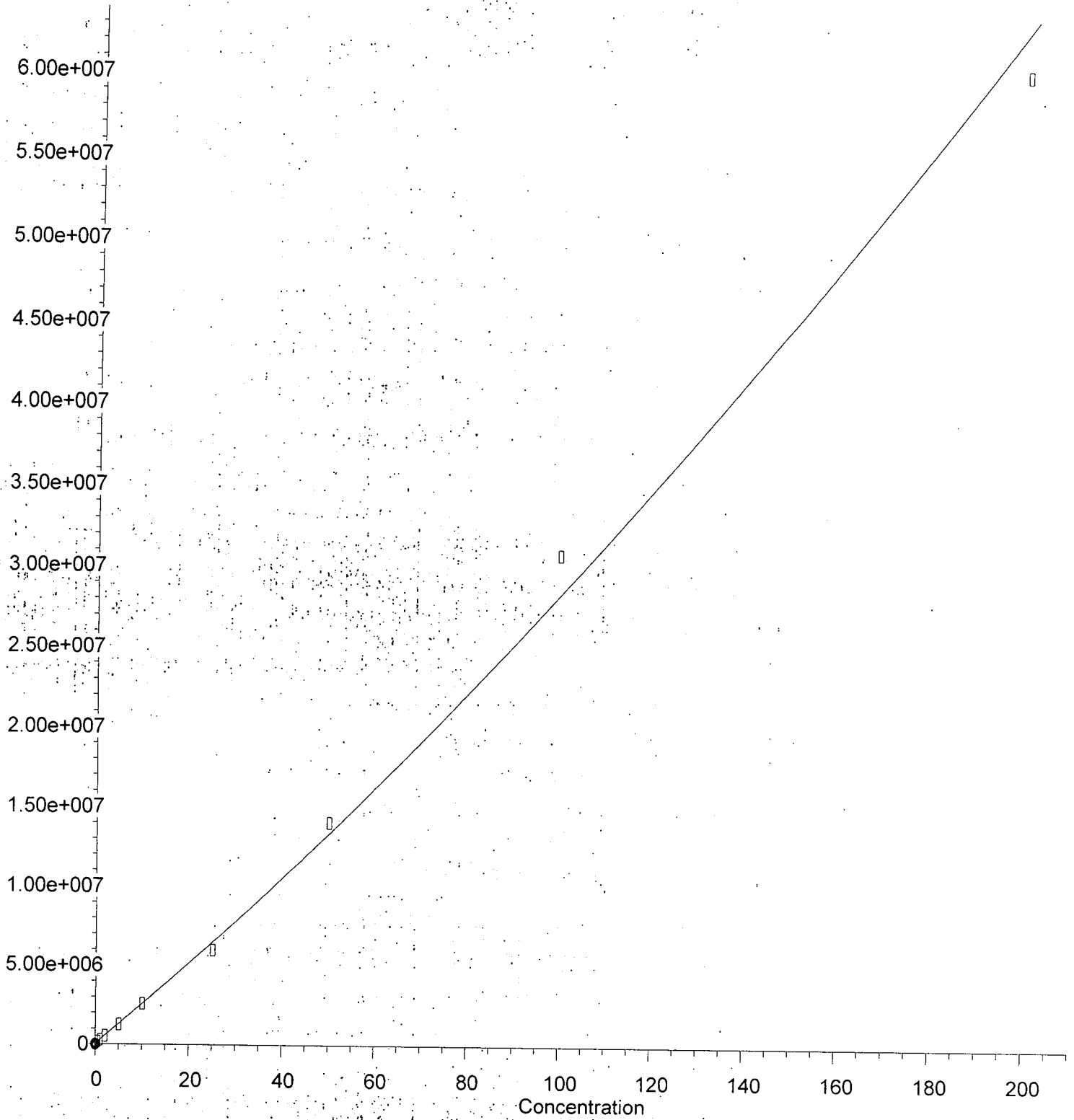
(21) Endrin Ketone #2
9.767min 0.506 ng/mL
response 174090

(+) = Expected Retention Time

ECD5_QUANTPEST_200225.M Wed Feb 26 16:51:53 2020

Endrin Ketone #2

Response



$R = 3.46e+002 A^2 + 2.48e+005 A + 4.84e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)

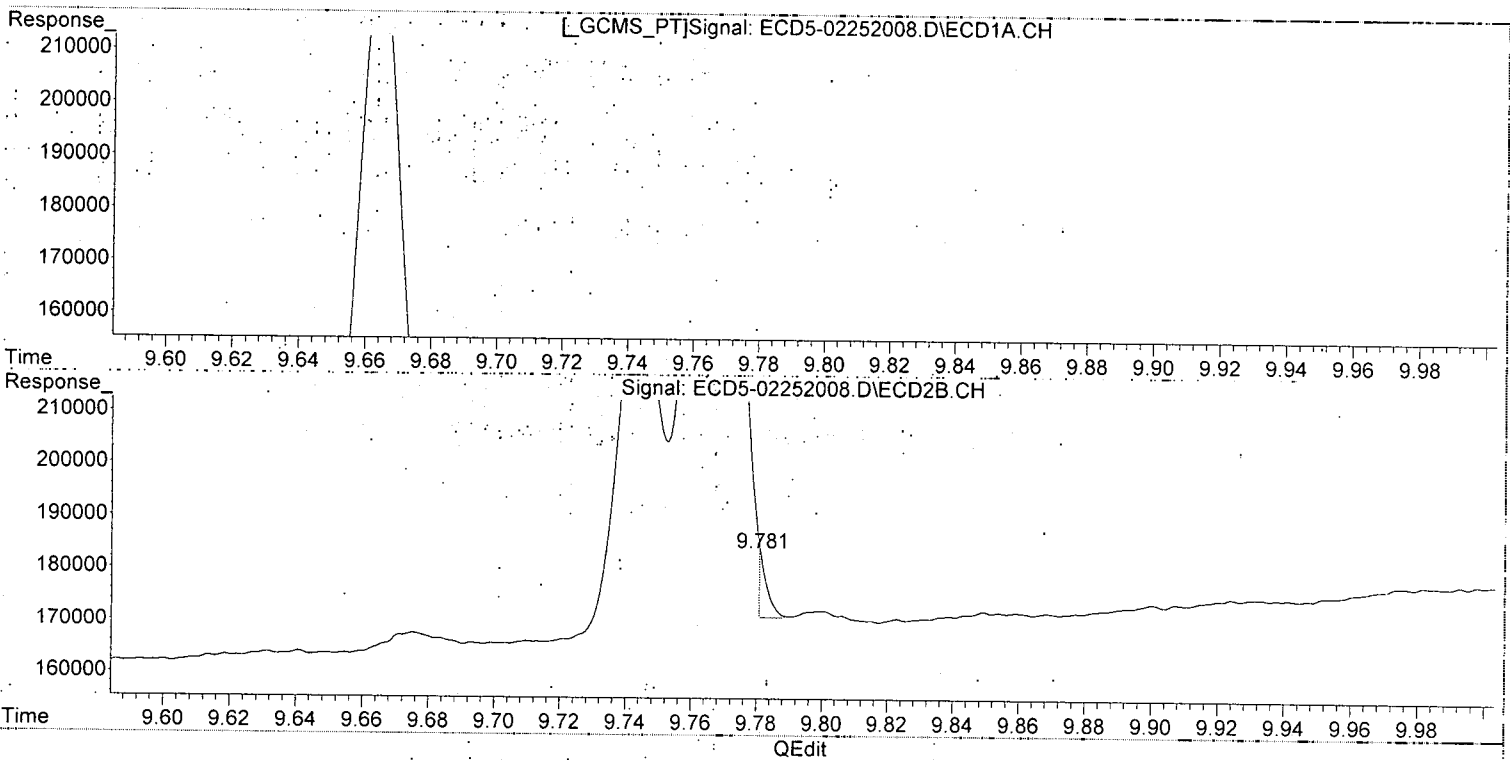
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



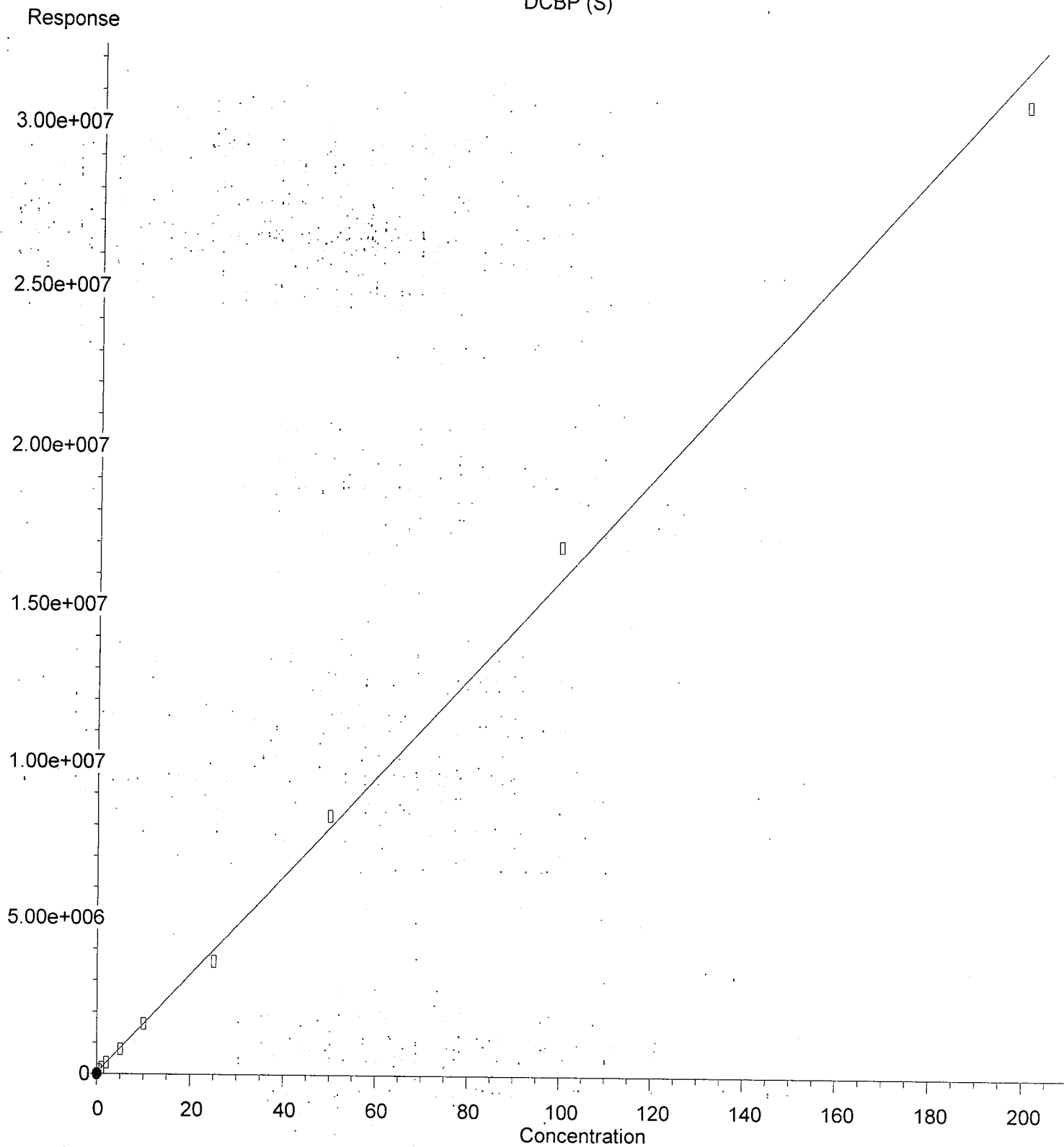
(21) Endrin Ketone
8.957min -0.234 ng/mL m
response 3346

MJB
2/26/20

(21) Endrin Ketone #2
9.781min -0.139 ng/mL (m)
response 13941

(+) = Expected Retention Time

DCBP (S)



$R = 1.41e+001 A^2 + 1.57e+005 A + 3.97e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

04/06/20 Anchor QEA, LLC - Gasco Field, DG 2019 - 4a-b, DOC-CAP Testing Cores Page 655 of 1165

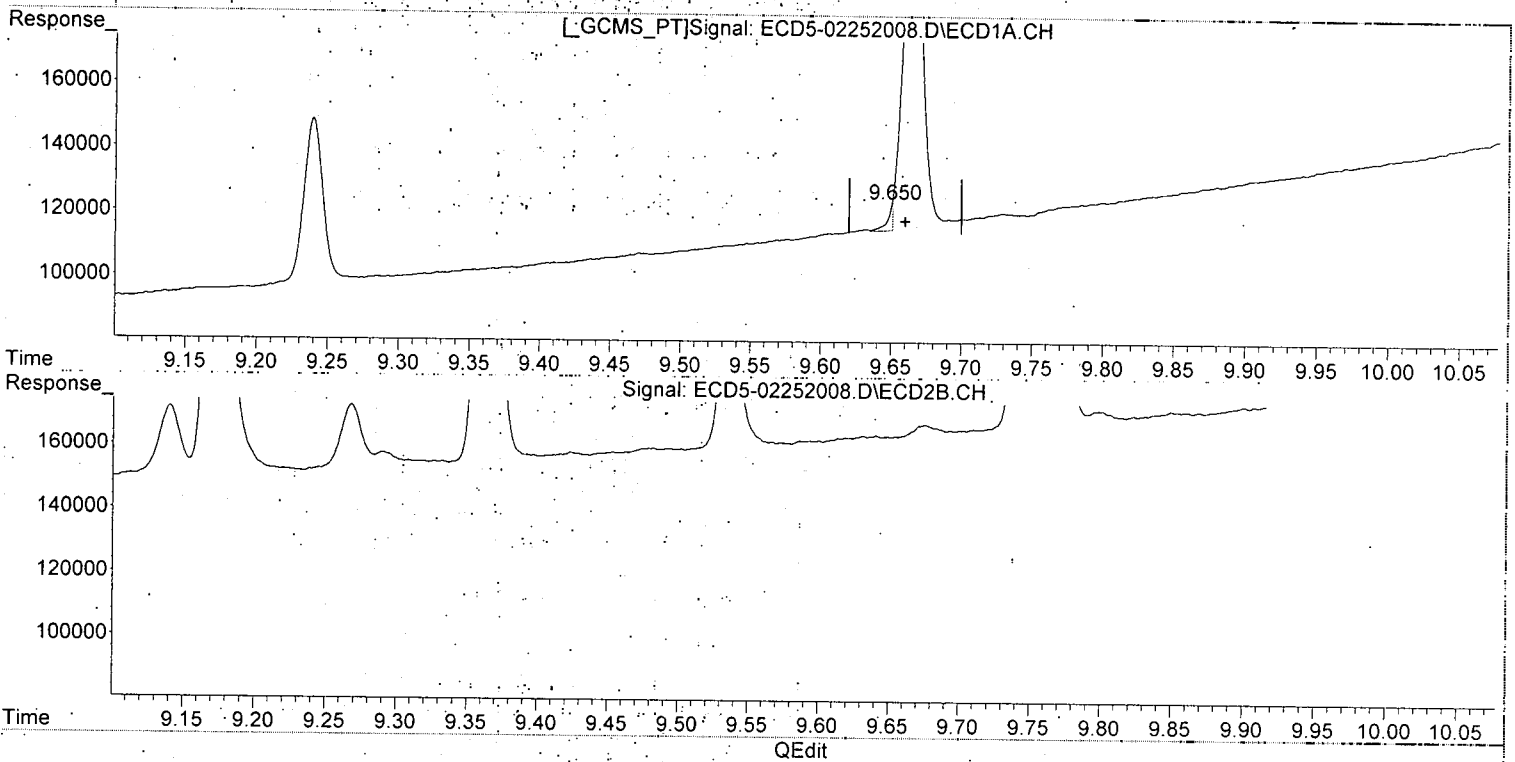
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

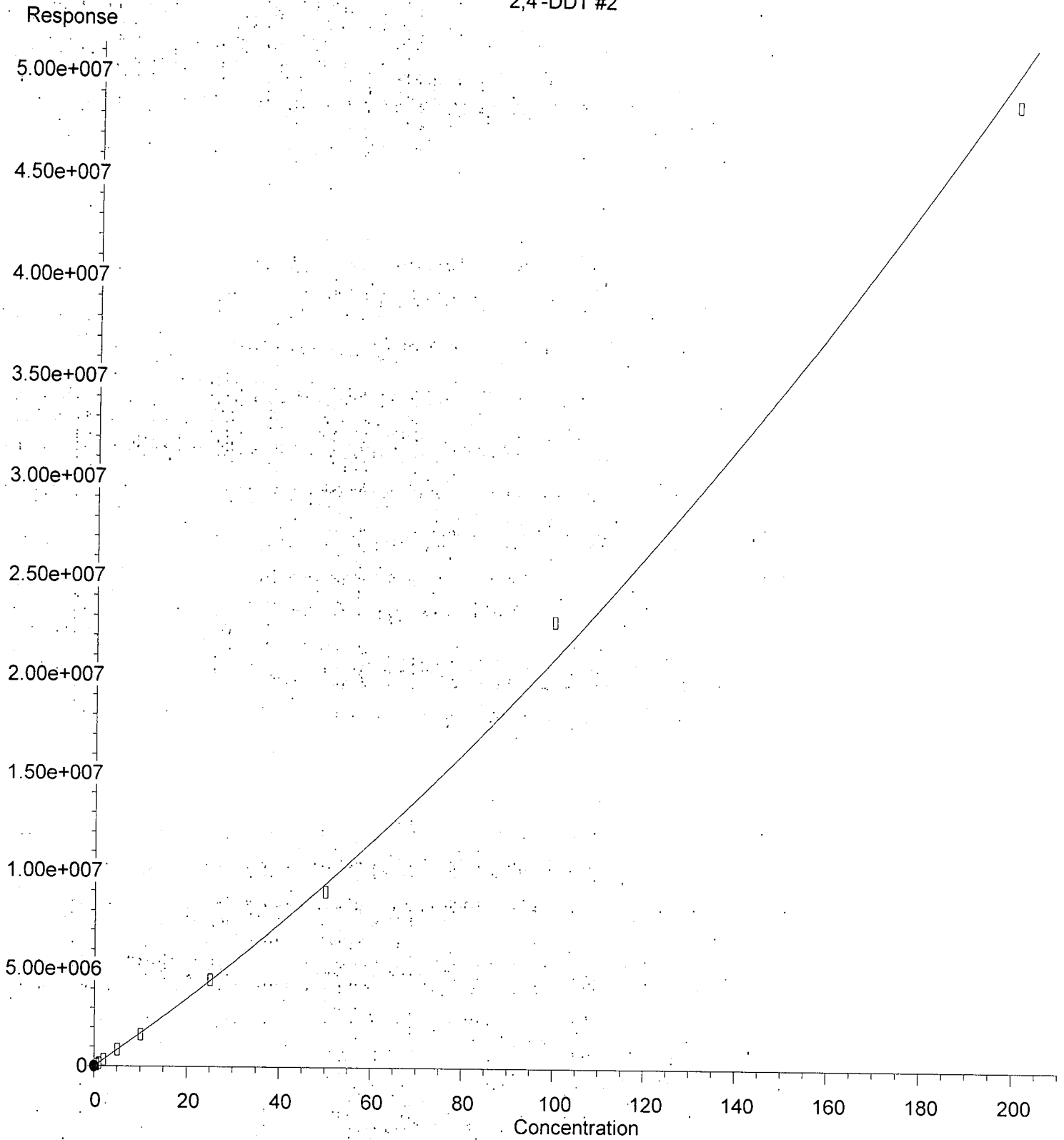


(22) DCBP (S) (S)
9.650min -0.200 ng/mL(m)
response 8366

MJB
2/26/20

(22) DCBP (S) #2 (S)
10.638min 0.590 ng/mL
response 114432

2,4'-DDT #2



$R = 4.32e+002 A^2 + 1.66e+005 A - 5.32e+003$

Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w($1/a^2$)

Method Name: C:\msdchem\1\methods\ECD5_QUANTBEST_200225.M

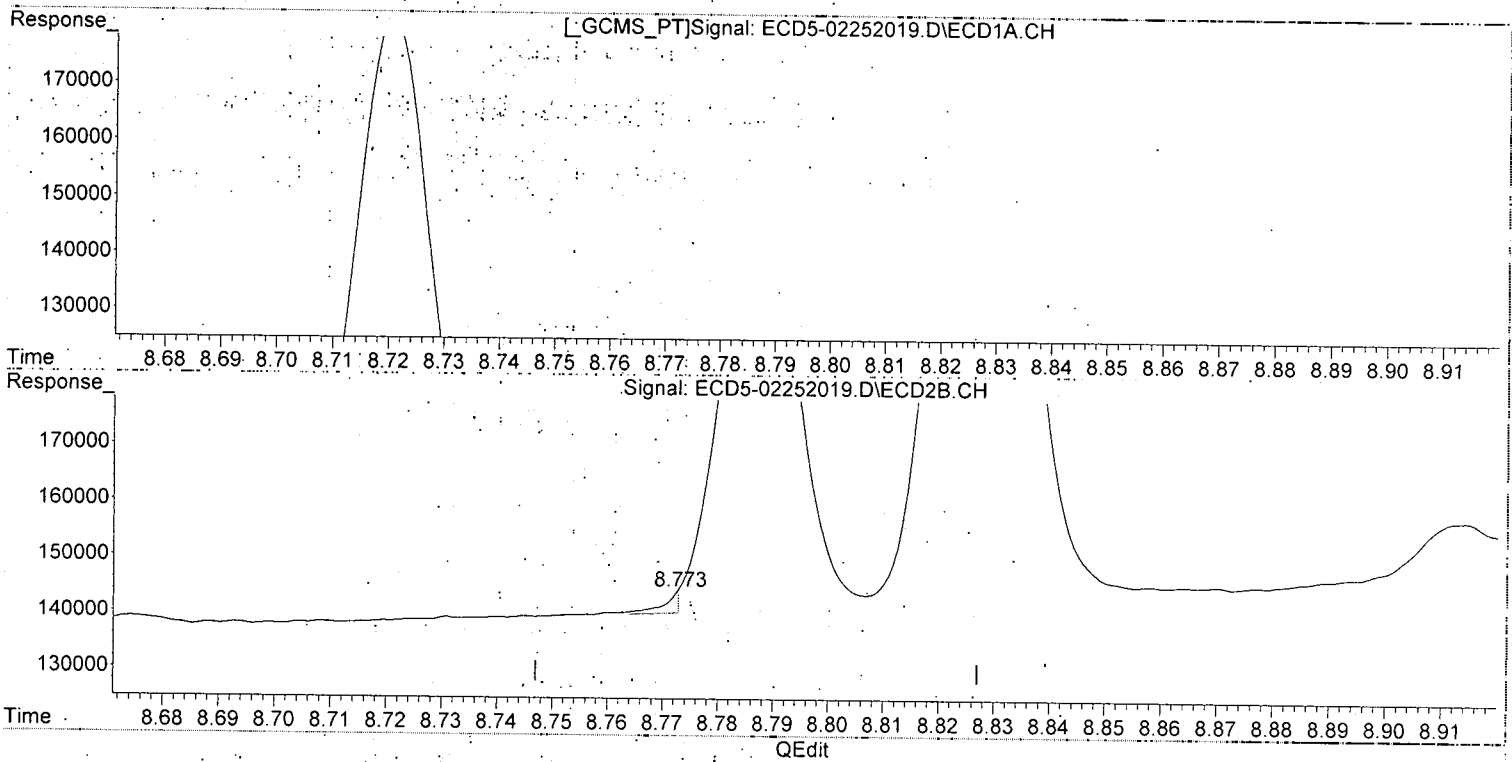
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH, Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
7.936min 0.011 ng/mL m
response 1411

MJB
2/26/20

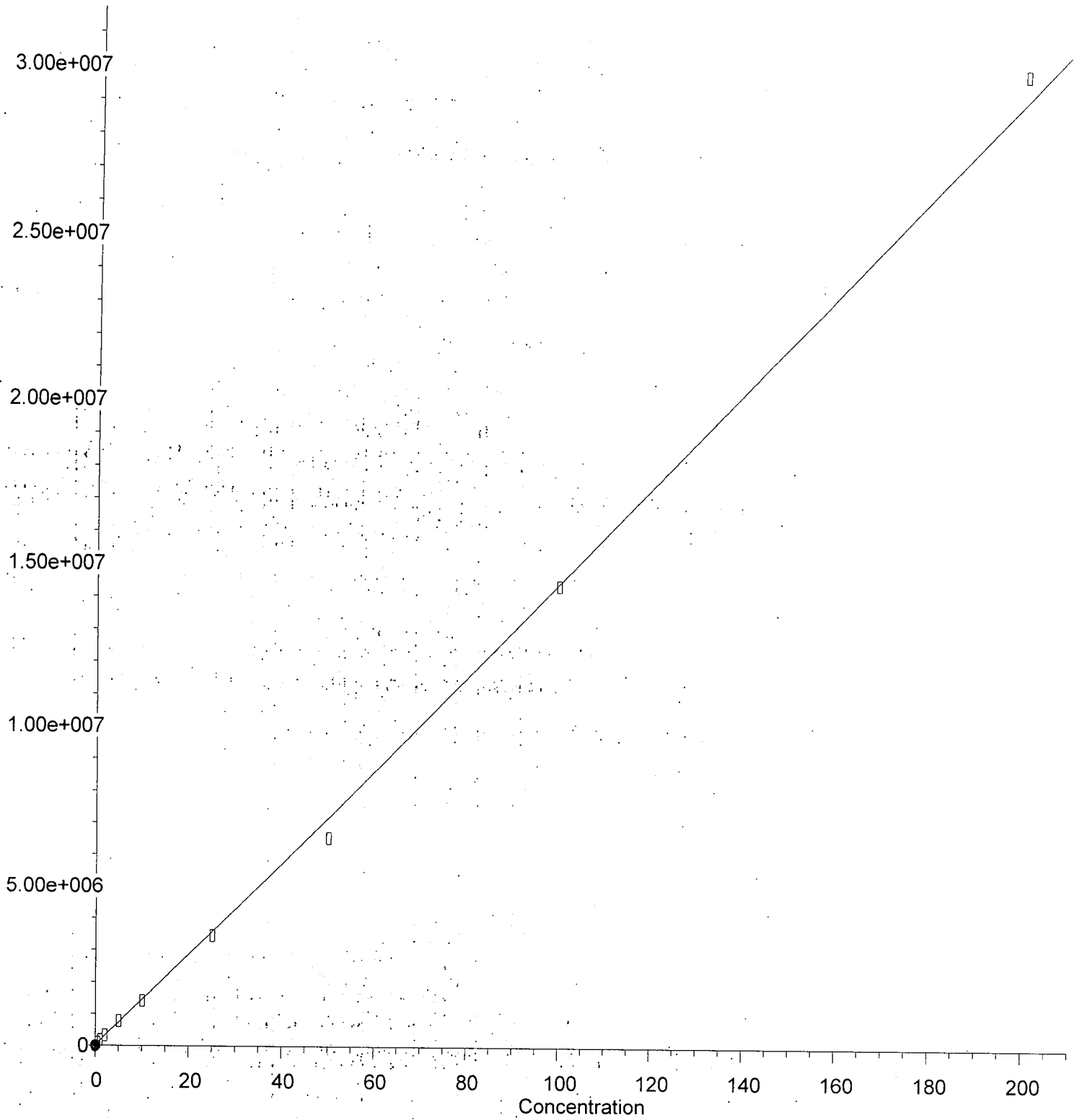
(29) 2,4'-DDT #2
8.773min 0.056 ng/mL (m)
response 3888

(+) = Expected Retention Time

ECD5_QUANTPEST_200225.M Wed Feb 26 16:52:43 2020

Mirex

Response



$R = 3.08e+001 A^A + 1.41e+005 A + 3.20e+004$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)

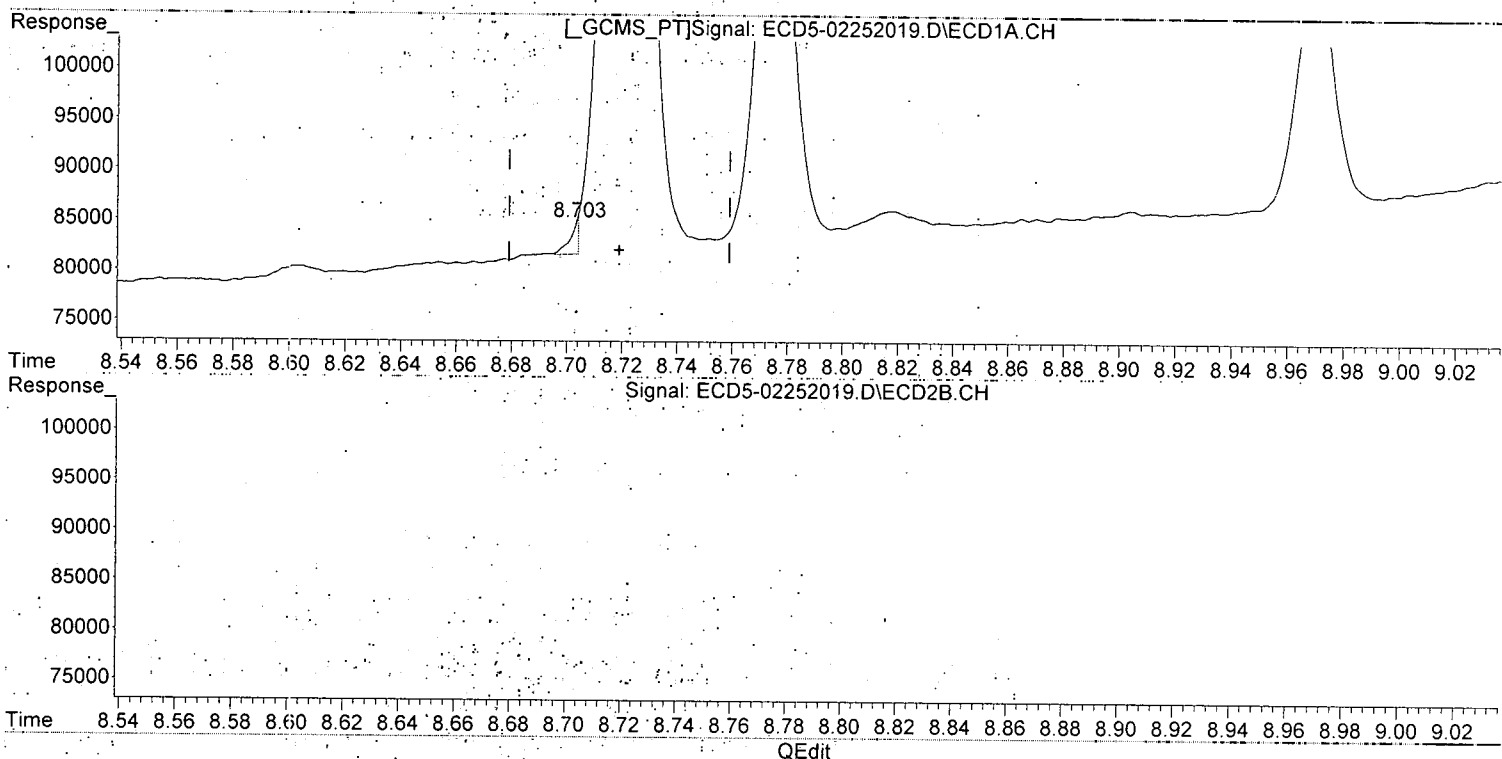
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

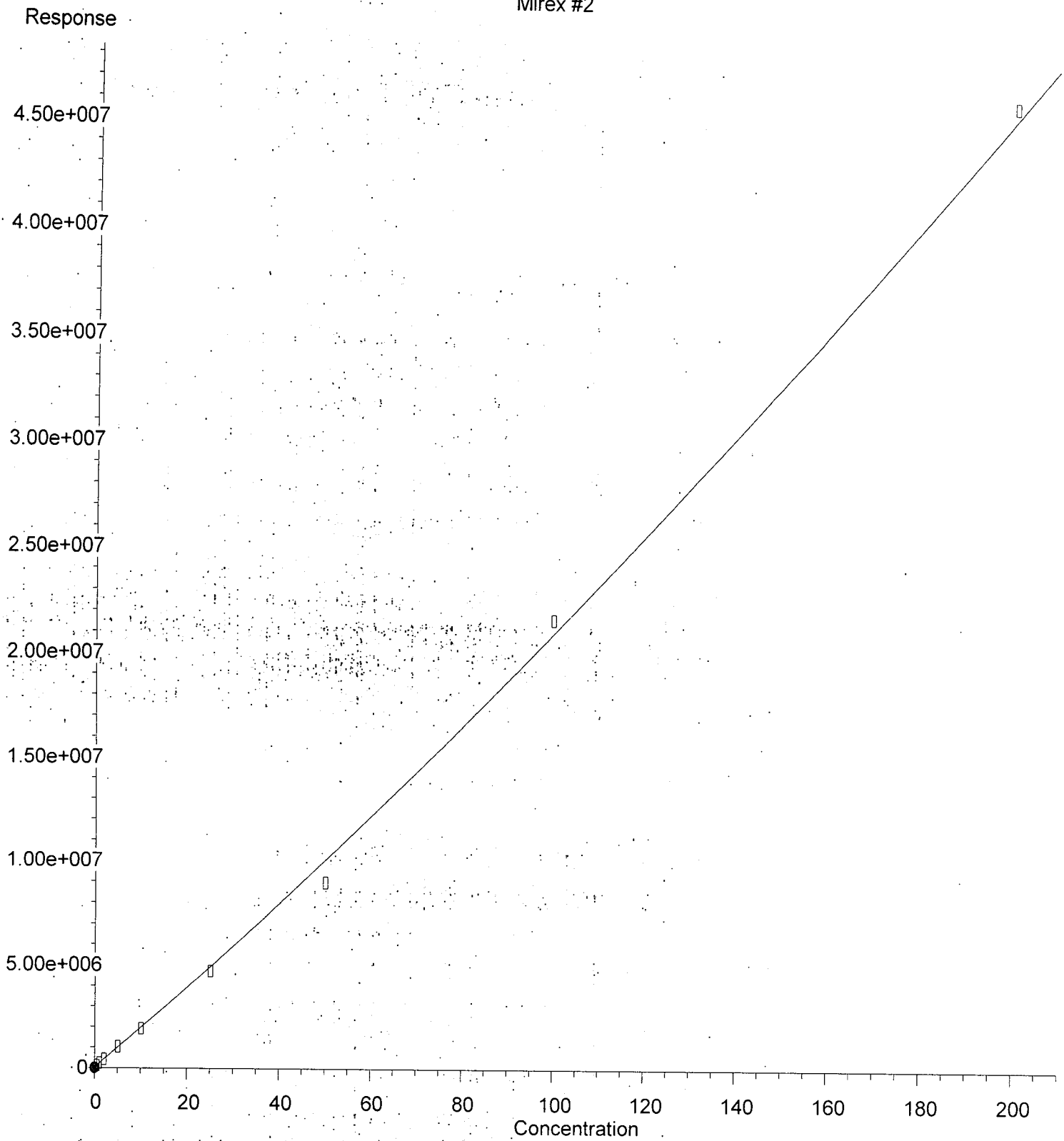


(31) Mirex
8.703min -0.204 ng/mL(m)
response 3177

MJB
2/26/20

(31) Mirex #2
9.758min 0.474 ng/mL m
response 120338

Mirex #2



$R = 1.82e+002 A^2 + 1.91e+005 A + 2.98e+004$

Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

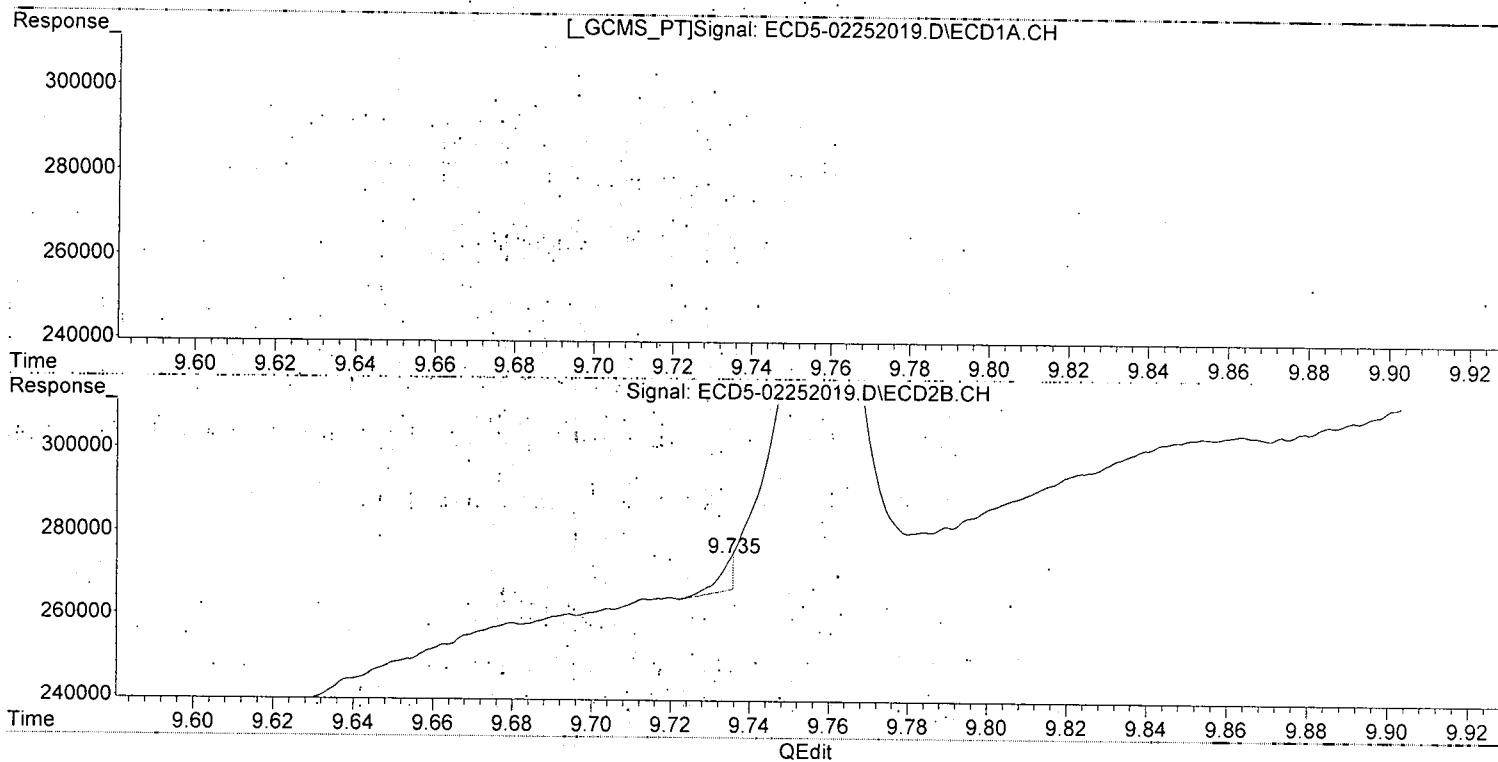
Calibration Table Last Updated: Wed Feb 26 15:46:10 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(31) Mirex
8.703min -0.204 ng/mL m
response 3177

(31) Mirex #2
9.735min -0.115 ng/mL(m)
response 7761

MJB
2/26/20

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B25043

Analysis Included

1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608 Additional Only (QC)
608 Pest (Chlordane)
608 Pesticides
608 Pesticides (DDT Only)
608 Pesticides (SW)
608 Pesticides (SW) Full List
608 Pesticides (TTO)
608.3 Pesticides
608.3 Additional
608.3 Chlordane
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B25043

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0B25043-ICB1	Initial Cal Blank	Water	A20A395		2/25/2020 2:04:00PM
0B25043-CAL1	Cal Standard	Water	A20B330	"	2/25/2020 2:22:00PM
0B25043-CAL2	Cal Standard	Water	A20B331	"	2/25/2020 2:39:00PM
0B25043-CAL3	Cal Standard	Water	A19K128	"	2/25/2020 2:56:00PM
0B25043-CAL4	Cal Standard	Water	A19K130	"	2/25/2020 3:13:00PM
0B25043-CAL5	Cal Standard	Water	A19K131	"	2/25/2020 3:30:00PM
0B25043-CAL6	Cal Standard	Water	A19K132	"	2/25/2020 3:47:00PM
0B25043-CAL7	Cal Standard	Water	A19K133	"	2/25/2020 4:05:00PM
0B25043-CAL8	Cal Standard	Water	A19K134	"	2/25/2020 4:22:00PM
0B25043-CAL9	Cal Standard	Water	A19K126	"	2/25/2020 4:39:00PM
0B25043-ICV1	Initial Cal Check	Water	A19I209	"	2/25/2020 5:13:00PM
0B25043-CALA	Cal Standard	Water	A20B332	"	2/25/2020 5:30:00PM
0B25043-CALB	Cal Standard	Water	A19K263	"	2/25/2020 5:47:00PM
0B25043-CALC	Cal Standard	Water	A19K264	"	2/25/2020 6:05:00PM
0B25043-CALD	Cal Standard	Water	A19K265	"	2/25/2020 6:22:00PM
0B25043-CALE	Cal Standard	Water	A19K266	"	2/25/2020 6:39:00PM
0B25043-CALF	Cal Standard	Water	A19J407	"	2/25/2020 6:56:00PM
0B25043-CALG	Cal Standard	Water	A19J408	"	2/25/2020 7:13:00PM
0B25043-CALH	Cal Standard	Water	A19J409	"	2/25/2020 7:30:00PM
0B25043-CALI	Cal Standard	Water	A19K262	"	2/25/2020 7:47:00PM
0B25043-ICV2	Initial Cal Check	Water	A19J410	"	2/25/2020 8:22:00PM
0B25043-CALJ	Cal Standard	Water	A20B333	"	2/25/2020 8:39:00PM
0B25043-CALK	Cal Standard	Water	A19K307	"	2/25/2020 8:56:00PM
0B25043-CALL	Cal Standard	Water	A19K308	"	2/25/2020 9:13:00PM
0B25043-CALM	Cal Standard	Water	A19K309	"	2/25/2020 9:30:00PM
0B25043-CALN	Cal Standard	Water	A19K310	"	2/25/2020 9:47:00PM
0B25043-CALO	Cal Standard	Water	A19K311	"	2/25/2020 10:04:00PM
0B25043-CALP	Cal Standard	Water	A19K306	"	2/25/2020 10:22:00PM
0B25043-ICV3	Initial Cal Check	Water	A19K312	"	2/25/2020 10:56:00PM
0B25043-CALQ	Cal Standard	Water	A20B334	"	2/25/2020 11:13:00PM
0B25043-CALR	Cal Standard	Water	A19J417	"	2/25/2020 11:30:00PM
0B25043-CALS	Cal Standard	Water	A19J418	"	2/25/2020 11:47:00PM
0B25043-CALT	Cal Standard	Water	A19J419	"	2/26/2020 12:04:00AM
0B25043-CALU	Cal Standard	Water	A19J420	"	2/26/2020 12:21:00AM
0B25043-CALV	Cal Standard	Water	A19J421	"	2/26/2020 12:38:00AM
0B25043-CALW	Cal Standard	Water	A19J416	"	2/26/2020 12:55:00AM
0B25043-ICV4	Initial Cal Check	Water	A19J422	"	2/26/2020 1:29:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0C0203 Instrument: DUALECD5F

1311/8081B TCLP Pest Reg L Sequence: 0B25043 Matrix: Water

SampleID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CAL1					
0B25043-CAL2					
0B25043-CAL3					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B25043

0B25043-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0B25043-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B25043

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: **A0C0203**

Instrument: **DUALECD5F**

608 Pesticides (SW) Full List

Sequence: **0B25043**

Matrix: **Water**

0B25043-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
0B25043-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual
0B25043-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual
0B25043-ICV4	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:04
 Operator : MJB
 Sample : 0B25043-ICB1
 Misc : A20A395
 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: Feb 26 17:00:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.463	6.048	19733738	32875013	91.817	95.453
22) S DCBP (S)	9.665	10.637	15193990	18395711	95.857	94.847

Target Compounds

2) a-BHC	5.999	0.000	4827	0	0.017	N.D. #
3) g-BHC	6.287	6.975	4750	7189	0.019	0.018
4) b-BHC	6.361	7.038	10425	14980	13405	802- BelowCal #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.512	7.295	42811	60616	0.170	0.093 #
7) Aldrin	0.000	7.628	0	12649	N.D.	0.033 #
8) Heptachlo...	7.402	8.059	5920	7234	0.026	0.021
9) trans-Chl...	7.494	8.201	4906	21143	0.022	0.060 #
10) cis-Chlor...	7.576	0.000	11419	0	0.052	N.D. #
11) Endosulfa...	7.693	8.358	3966	5625	0.019	0.018
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.864	8.559	9531	14164	0.041	0.041
14) Endrin	8.030	8.788	6866	10063	0.041	0.014 #
15) 4,4'-DDD	8.073	8.826	5257	6799	0.028	0.022
16) Endosulfa...	8.187	8.935	39373	51944	0.001	0.023 #
17) 4,4'-DDT	8.272	9.076f	3748	8006	0.018	0.127 #
18) Endrin Al...	8.477	9.172	76936	101580	0.061	0.070
19) Endosulfa...	8.779	9.363	78918	103404	0.085	0.090
20) Methoxychlor	8.605	9.536	9649	7131	BelowCal	0.038
21) Endrin Ke...	8.974	9.766	48600	57749	0.007	0.038 #
23) Hexachlor...	3.284f	3.744	5180	5967	0.023	0.014 #
24) Hexachlor...	5.845	6.532	25964	8335	0.115	0.023 #
25) Oxylchlorane	7.318	7.945f	10624	19875	0.053	0.065
26) 2,4'-DDE	7.402	8.201	5920	21143	0.039	0.090 #
27) trans-Non...	7.576	0.000	11419	0	0.051	N.D. #
28) 2,4'-DDD	0.000	8.559	0	14164	N.D.	0.068 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:04
 Operator : MJB
 Sample : 0B25043-ICB1
 Misc : A20A395
 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: Feb 26 17:00:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.938	8.788	2614	10063	0.020	0.093 #
30)	cis-Nonac...	8.030f	8.826	6866	6799	0.027	0.018 #
31)	Mirex	8.716	9.766	5530	57749	BelowCal	0.147
32)	Chlordane...	7.494	8.201	4906	21143	0.198	0.498 #
33)	Chlordane...	7.576	0.000	11419	0	0.415	N.D. #
34)	Chlordane...	8.133	8.968	8186	64532	1.092	5.994 #
35)	Chlordane...	3.736f	3.744	13591	5967	NoCal	NoCal
36)	Toxaphene...	7.576	8.559f	11419	14164	10.769	5.009 #
37)	Toxaphene...	7.864	8.915f	9531	13321	4.839	3.840
38)	Toxaphene...	8.187	8.915	39373	13321	9.797	2.320 #
39)	Toxaphene...	8.442f	8.968	31506	64532	8.063	6.978
40)	Toxaphene...	8.605f	9.172	9649	101580	3.198	20.027 #
41)	Toxaphene...	8.716	9.536	5530	7131	1.402	1.335
42)	Toxaphene...	3.736f	3.744	13591	5967	NoCal	NoCal

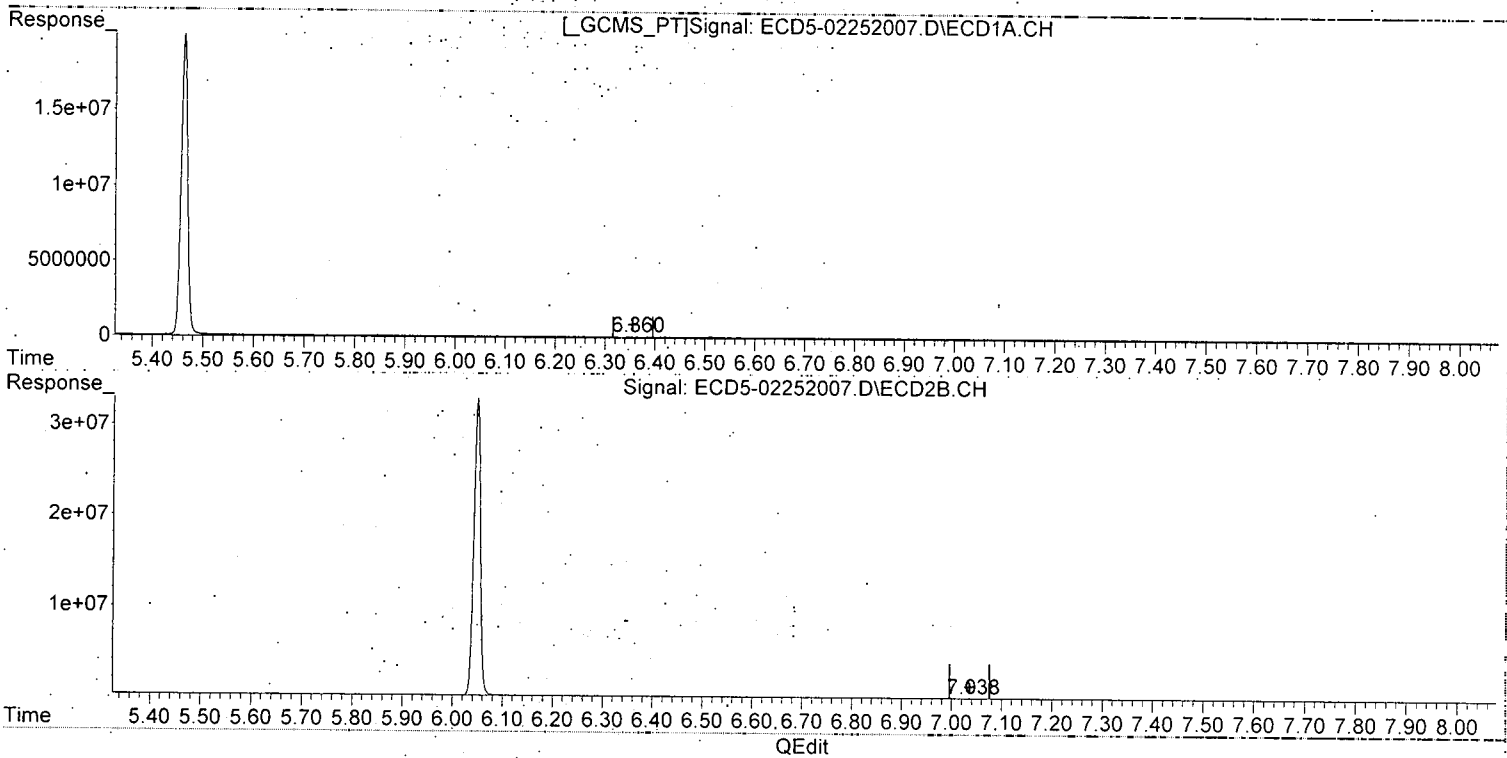
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:04
Operator : MJB
Sample : 0B25043-ICB1
Misc : A20A395
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: Feb 26 17:00:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(4) b-BHC
6.361min 13405.802 ng/mL *Q-Def*
response 10425

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(4) b-BHC #2
7.038min -0.089 ng/mL
response 14980

(+) = Expected Retention Time

ECD5_QUANTPEST_200225.M Wed Feb 26 17:04:27 2020

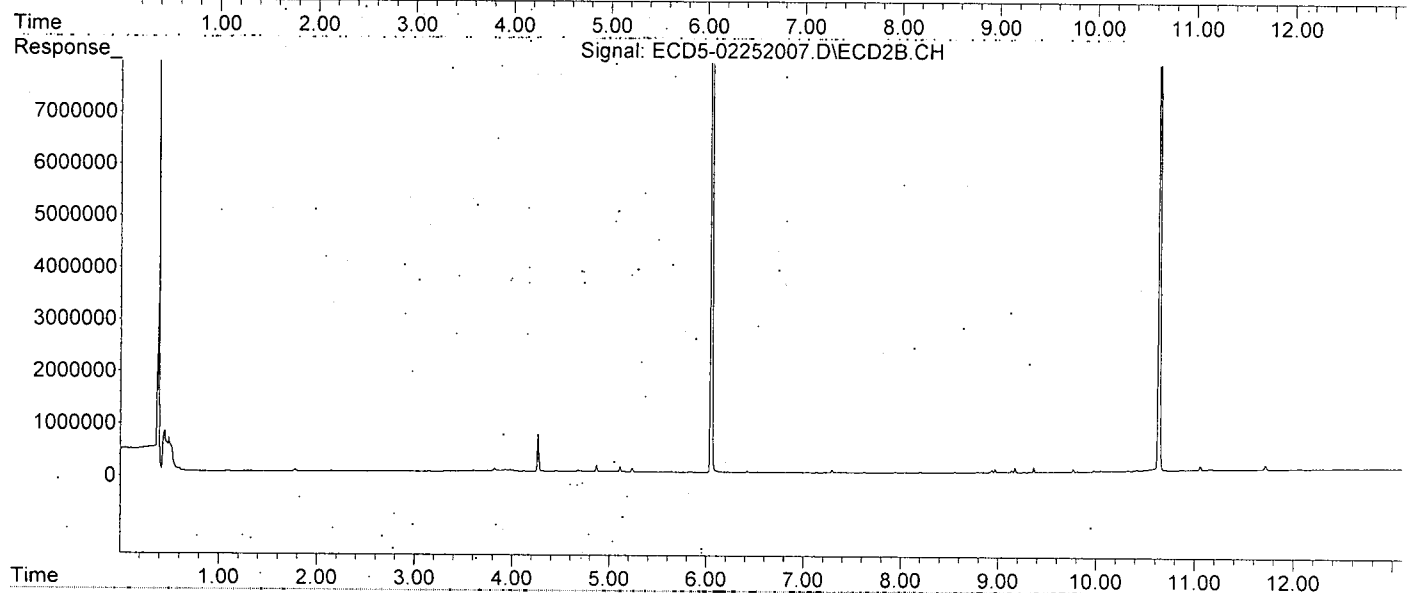
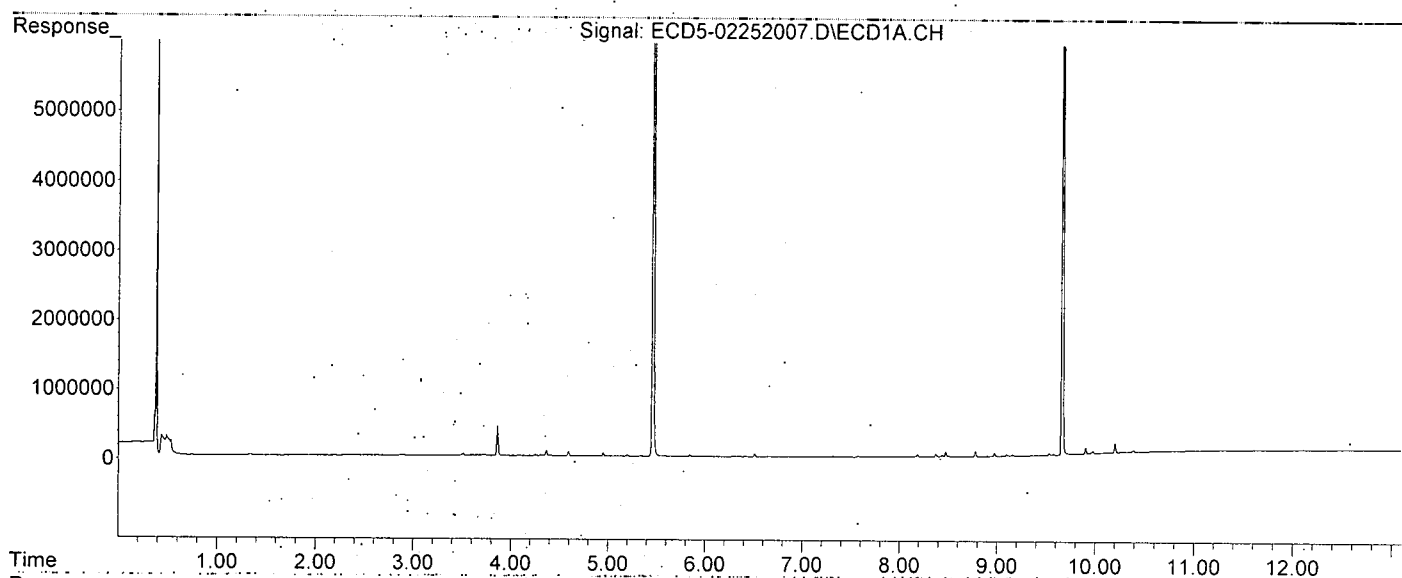
Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:04
Operator : MJB
Sample : 0B25043-ICB1
Misc : A20A395
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: Feb 26 17:00:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:56
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:00:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

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Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.659	10.632	16750	13466	BelowCal	0.069

Target Compounds

2) a-BHC	5.994	0.000	2783	0	0.010	N.D. #
3) g-BHC	6.297	0.000	3583	0	0.014	N.D. #
4) b-BHC	6.350	7.037	7701	9583	13405.827	BelowCal #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.294	29736	43463	0.118	0.045 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.397	8.056	4445	5722	0.020	0.017
9) trans-Chl...	7.491	8.199	3066	9240	0.013	0.026 #
10) cis-Chlor...	7.585	0.000	5755	0	0.026	N.D. #
11) Endosulfa...	7.688	0.000	3198	0	0.016	N.D. #
12) 4,4'-DDE	7.645	8.406	4117	8255	0.018	0.057 #
13) Dieldrin	7.859	8.557	6243	9486	0.027	0.027
14) Endrin	8.026	8.824f	2603	6487	0.016	BelowCal #
15) 4,4'-DDD	8.068	8.824	5185	6487	0.028	0.020 #
16) Endosulfa...	8.183	8.933	31016	43082	BelowCal	BelowCal
17) 4,4'-DDT	8.235f	0.000	3155	0	0.014	N.D. #
18) Endrin Al...	8.473	9.170	78168	109687	0.070	0.108 #
19) Endosulfa...	8.775	9.360	69321	97154	0.024	0.061 #
20) Methoxychlor	8.602	9.544	1578	5886	BelowCal	0.024
21) Endrin Ke...	8.970	9.763	36174	43568	BelowCal	BelowCal
23) Hexachlor...	3.283f	3.751	4851	9792	0.022	0.023
24) Hexachlor...	0.000	6.533	0	7416	N.D.	0.020 #
25) Oxychlordane	7.316	0.000	9019	0	0.045	N.D. #
26) 2,4'-DDE	7.397	8.199	4445	9240	0.029	0.039 #
27) trans-Non...	7.585	0.000	5755	0	0.026	N.D. #
28) 2,4'-DDD	0.000	8.557	0	9486	N.D.	0.045 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:56
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:00:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.929f	8.824f	2226	6487	0.017	0.071 #
30) cis-Nonac...	8.068	8.824	5185	6487	0.021	0.017
31) Mirex	8.710	9.763	4151	43568	BelowCal	0.072
32) Chlordane...	7.491	8.199	3066	9240	0.124	0.218 #
33) Chlordane...	7.585	0.000	5755	0	0.209	N.D. #
34) Chlordane...	0.000	8.970	0	26884	N.D.	2.497 #
35) Chlordane...	3.740f	3.751	6655	9792	NoCal	NoCal
36) Toxaphene...	7.585f	8.557f	5755	9486	5.427	3.355 #
37) Toxaphene...	7.859	0.000	6243	0	3.169	N.D. #
38) Toxaphene...	8.183	8.933	31016	43082	7.717	7.503
39) Toxaphene...	8.377f	8.970	19024	26884	4.869	2.907 #
40) Toxaphene...	8.602f	9.170	1578	109687	0.523	21.625 #
41) Toxaphene...	8.710	9.544	4151	5886	1.053	1.102
42) Toxaphene...	3.740	3.751	6655	9792	NoCal	NoCal

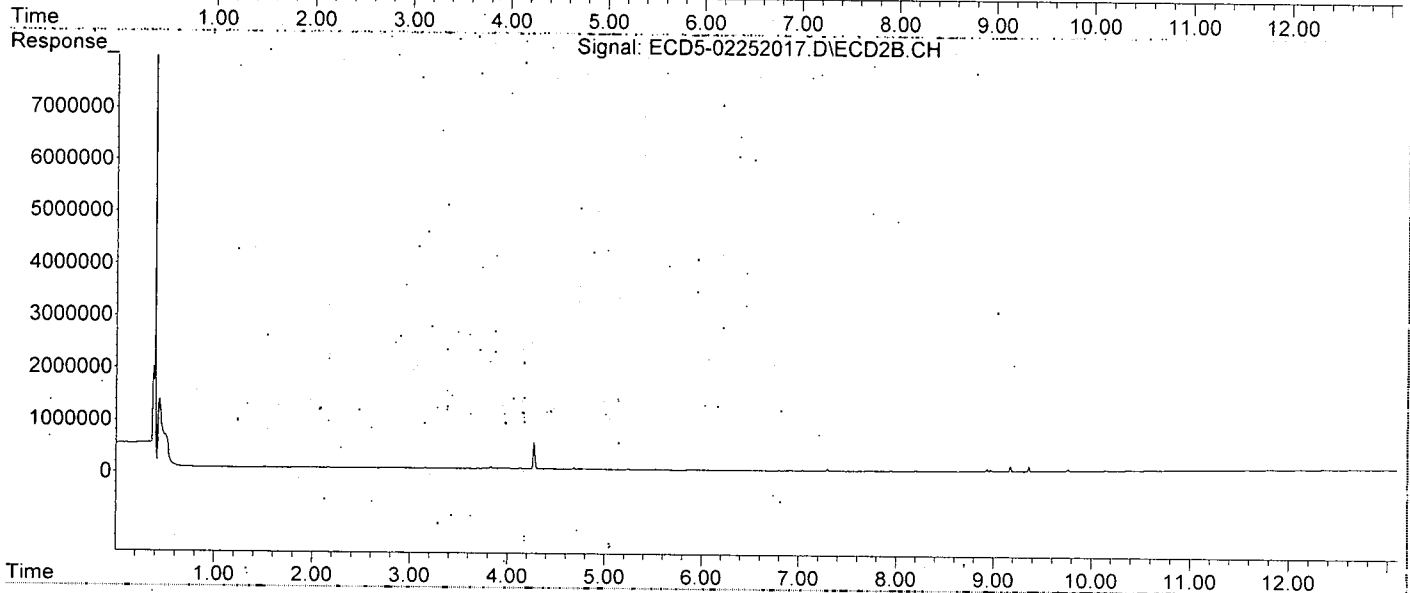
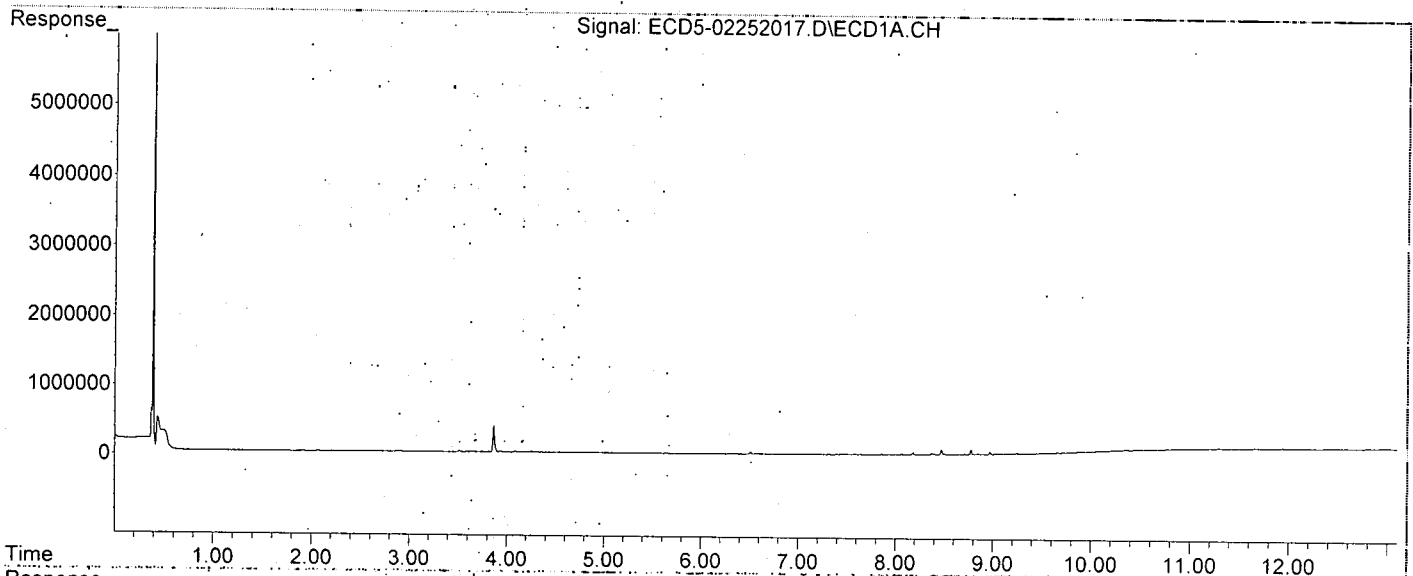
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 16:56
Operator : MJB
Sample : 0B25043-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: Feb 26 17:00:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:13
 Operator : MJB
 Sample : 0B25043-ICV1
 Misc : A191209, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:00:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.458	6.047	9681465	15976417	45.046	46.388
22) S DCBP (S)	9.660	10.632	7480738	8886738	47.272	45.820

Target Compounds

2) a-BHC	5.998	6.655	13721676	23369202	48.012	50.012
3) g-BHC	6.282	6.974	12306057	20633726	48.754	50.492
4) b-BHC	6.356	7.036	5055769	8201118	47.271	47.922
5) Heptachlor	6.692	7.350	10767258	17622363	46.185	47.329
6) d-BHC	6.506	7.293	11763977	19243233	46.781	49.784
7) Aldrin	6.933	7.617	11520333	18861449	47.945	49.717
8) Heptachlo...	7.395	8.056	10263236	16504006	45.592	47.838
9) trans-Chl...	7.490	8.196	10613639	17095203	46.644	48.366
10) cis-Chlor...	7.587	8.304	10447231	16023514	47.275	48.054
11) Endosulfa...	7.686	8.355	9693362	15080268	47.064	48.589
12) 4,4'-DDE	7.645	8.408	11026256	16987572	48.912	48.578
13) Dieldrin	7.858	8.556	10920405	17389877	47.383	50.203
14) Endrin	8.023	8.785	7983929	12006225	48.170	50.702
15) 4,4'-DDD	8.068	8.825	8984073	13856798	48.215	49.446
16) Endosulfa...	8.180	8.931	8735881	14005153	51.604	54.369
17) 4,4'-DDT	8.266	9.052	7492607	10560945	50.505	50.893
18) Endrin Al...	8.471	9.169	8340524	12884541	55.320	56.604
19) Endosulfa...	8.774	9.360	7772369	12678484	49.070	54.852
20) Methoxychlor	8.600	9.531	3400723	4844026	46.522	48.265
21) Endrin Ke...	8.969	9.762	9364329	13875981	48.507	51.958
23) Hexachlor...	3.285f	0.000	3772	0	0.017	N.D. #
24) Hexachlor...	5.839	6.530	17282	8265	0.077	0.023 #
25) Oxychlorane	7.330	7.977	51956	19422	0.259	0.063 #
26) 2,4'-DDE	7.395	8.196	10263236	17095203	67.283	72.625
27) trans-Non...	7.587	8.257	10447231	51457	46.641	0.151 #
28) 2,4'-DDD	7.768	8.556	128001	17389877	0.934	83.241 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:13
 Operator : MJB
 Sample : 0B25043-ICV1
 Misc : A19I209, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:00:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.951	8.785	53444	12006225	0.413	62.311 #
30)	cis-Nonac...	8.068	8.825	8984073	13856798	35.891	36.897
31)	Mirex	8.723	9.762	61913	13875981	0.212	68.141 #
32)	Chlordane...	7.490	8.196	10613639	17095203	427.752	402.817
33)	Chlordane...	7.587	8.304	10447231	16023514	379.373	456.283
34)	Chlordane...	0.000	8.931f	0	14005153	N.D.	1300.784 #
35)	Chlordane...	3.739f	0.000	4917	0	NoCal	N.D.
36)	Toxaphene...	7.587f	8.556f	10447231	17389877	9851.963	6150.101 #
37)	Toxaphene...	7.858	0.000	10920405	0	5544.490	N.D. #
38)	Toxaphene...	8.180	8.931	8735881	14005153	2173.626	2439.227
39)	Toxaphene...	8.396	9.010f	318119	76819	81.418	8.307 #
40)	Toxaphene...	8.652	9.169	40438	12884541	13.404	2540.241 #
41)	Toxaphene...	8.723	9.531	61913	4844026	15.699	906.880 #
42)	Toxaphene...	3.739	0.000	4917	0	NoCal	N.D.

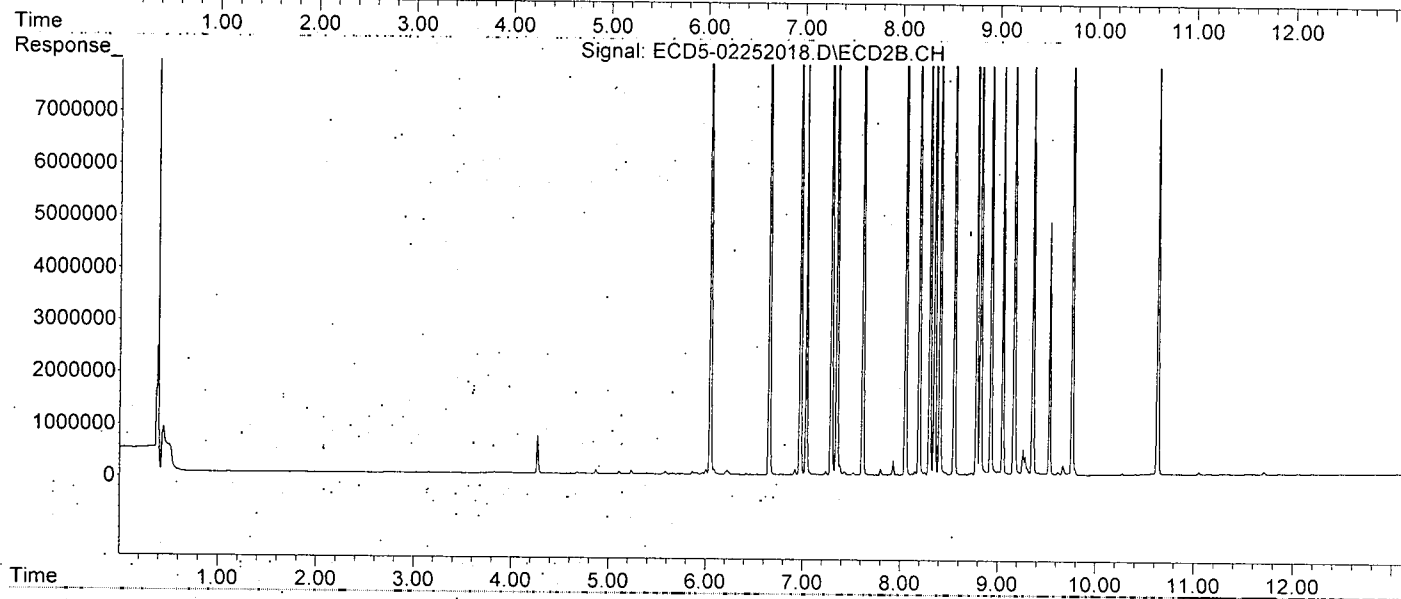
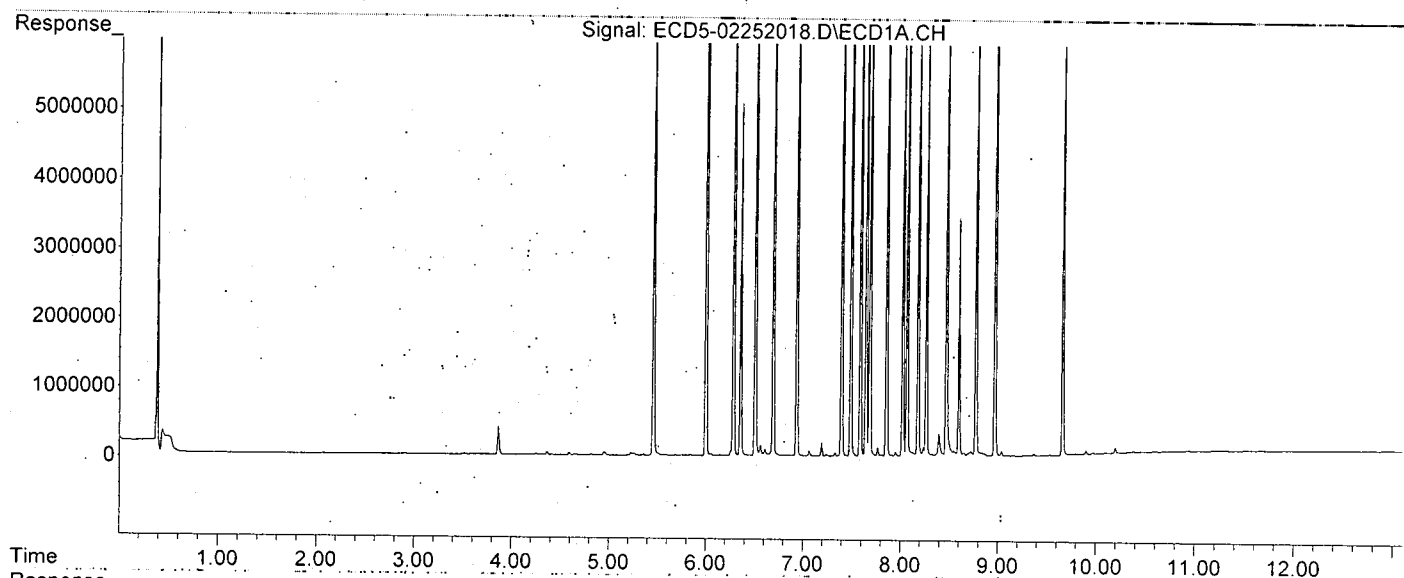
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:13
Operator : MJB
Sample : 0B25043-ICV1
Misc : A191209, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 17:00:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:05
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:00:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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	6.347	0.000	7811	0	13405.826	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.294	10127	13668	0.040	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.396	0.000	3576	0	0.016	N.D. #
9) trans-Chl...	0.000	8.197	0	5835	N.D.	0.017 #
10) cis-Chlor...	7.579	0.000	5203	0	0.024	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.860	8.559	2518	7484	0.011	0.022 #
14) Endrin	8.050f	0.000	4896	0	0.030	N.D. #
15) 4,4'-DDD	8.050	8.827	4896	7855	0.026	0.026
16) Endosulfa...	8.183	8.933	9922	13318	BelowCal	BelowCal
17) 4,4'-DDT	8.237f	0.000	906	0	BelowCal	N.D.
18) Endrin Al...	8.474	9.170	18798	27344	BelowCal	BelowCal
19) Endosulfa...	8.775	9.360	18060	25042	BelowCal	BelowCal
20) Methoxychlor	0.000	9.547	0	2426	N.D.	BelowCal
21) Endrin Ke...	8.969	9.761	11294	21323	BelowCal	BelowCal
23) Hexachlor...	3.283f	3.751	5388	11201	0.024	0.026
24) Hexachlor...	0.000	6.533	0	7750	N.D.	0.021 #
25) Oxychlorane	7.317	0.000	10115	0	0.051	N.D. #
26) 2,4'-DDE	7.396	8.197	3576	5835	0.023	0.025
27) trans-Non...	7.579	0.000	5203	0	0.023	N.D. #
28) 2,4'-DDD	0.000	8.559	0	7484	N.D.	0.036 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:05
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:00:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.929f	8.827f	1880	7855	0.015	0.079 #
30)	cis-Nonac...	8.050	8.827	4896	7855	0.020	0.021
31)	Mirex	8.719	9.761	5981	21323	BelowCal	BelowCal
32)	Chlordane...	0.000	8.197	0	5835	N.D.	0.137 #
33)	Chlordane...	7.579	0.000	5203	0	0.189	N.D. #
34)	Chlordane...	0.000	8.972	0	22852	N.D.	2.122 #
35)	Chlordane...	3.745	3.751	5218	11201	NoCal	NoCal
36)	Toxaphene...	7.579	8.559f	5203	7484	4.907	2.647 #
37)	Toxaphene...	7.860	8.913f	2518	8731	1.278	2.517 #
38)	Toxaphene...	8.183	8.913	9922	8731	2.469	1.521 #
39)	Toxaphene...	8.380f	8.972	15496	22852	3.966	2.471 #
40)	Toxaphene...	0.000	9.170	0	27344	N.D.	5.391 #
41)	Toxaphene...	8.719	9.547	5981	2426	1.517	0.454 #
42)	Toxaphene...	3.745	3.751	5218	11201	NoCal	NoCal

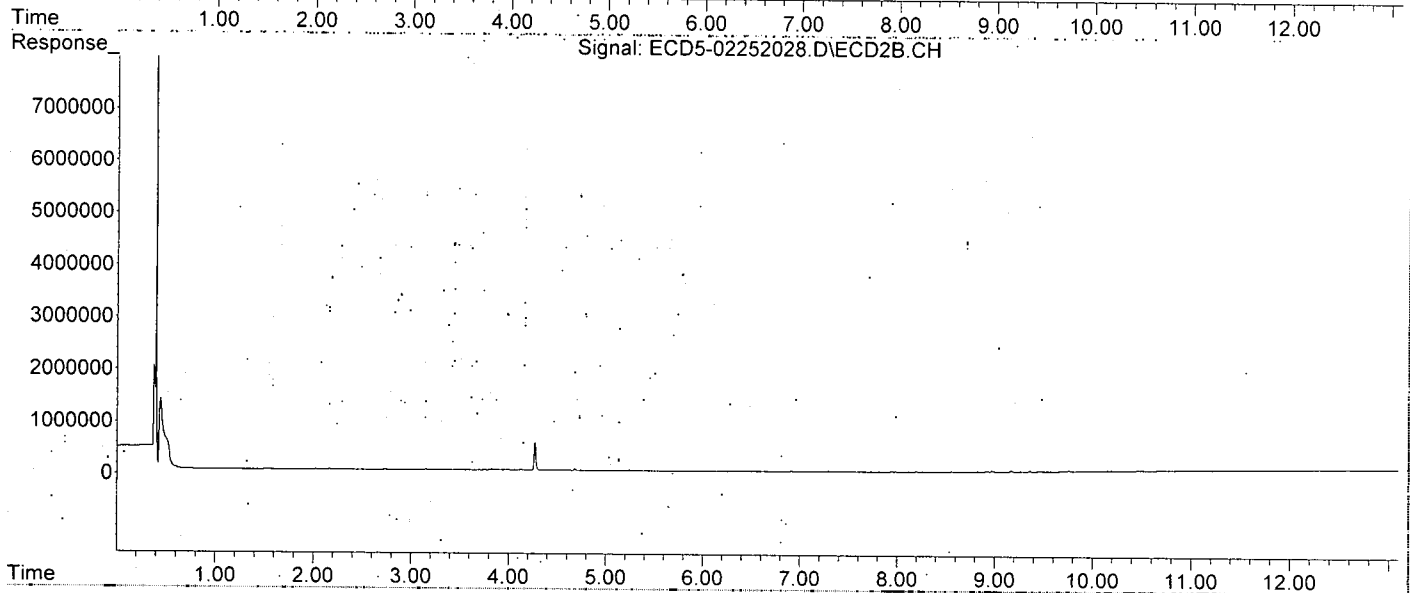
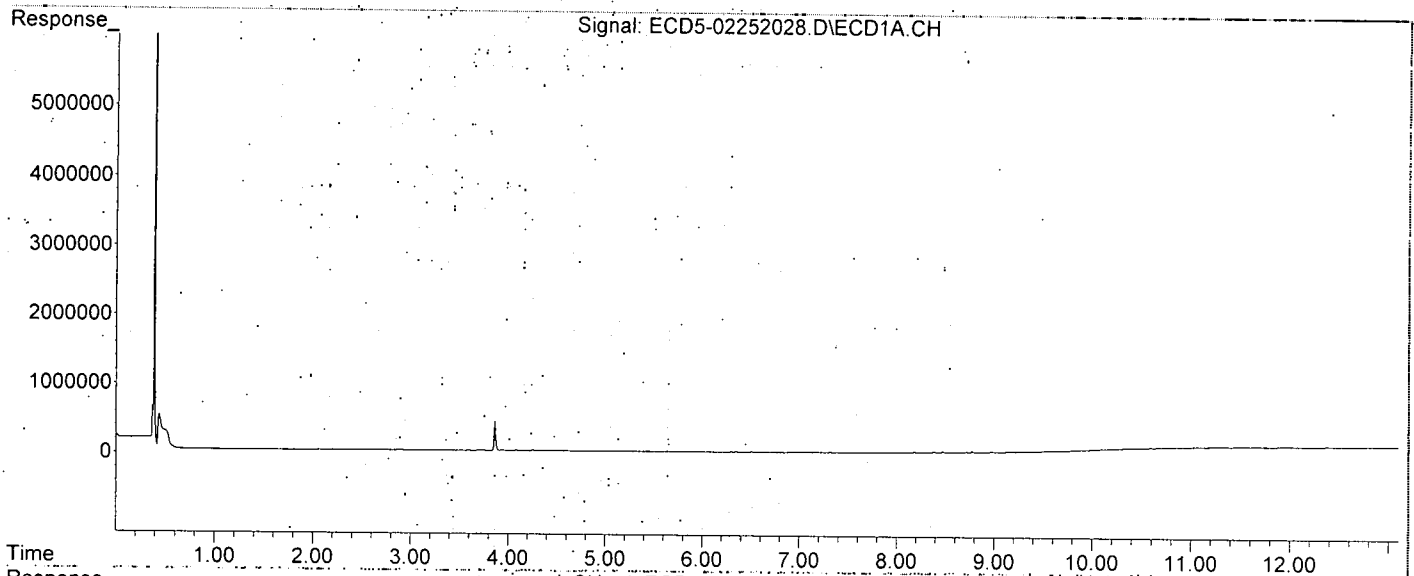
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 20:05
Operator : MJB
Sample : 0B25043-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: Feb 26 17:00:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:22
 Operator : MJB
 Sample : 0B25043-ICV2
 Misc : A19J410, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:00:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.432f	6.054	26168	19724	0.122	0.057 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.

Target Compounds

2) a-BHC	5.993	0.000	6365	0	0.022	N.D. #
3) g-BHC	6.257f	0.000	6070	0	0.024	N.D. #
4) b-BHC	6.344	0.000	10560	0	13405.801	N.D. #
5) Heptachlor	6.694	7.352	7682	11207	0.033	0.030
6) d-BHC	6.509	7.295	4662	7148	0.019	BelowCal #
7) Aldrin	0.000	7.629	0	17657	N.D.	0.047 #
8) Heptachlo...	7.397	8.036f	7457333	37185	33.127	0.108 #
9) trans-Chl...	7.492	8.189	166227	11748434	0.731	33.239 #
10) cis-Chlor...	7.579	8.306	11157820	681086	50.491	2.043 #
11) Endosulfa...	7.690	8.381f	49900	29046	0.242	0.094 #
12) 4,4'-DDE	0.000	8.381f	0	29046	N.D.	0.120 #
13) Dieldrin	7.863	8.563	30864	10380490	0.134	29.968 #
14) Endrin	8.051f	8.789	12112113	10172173	73.076	43.432 #
15) 4,4'-DDD	8.051	8.829	12112113	18935558	65.002	66.167
16) Endosulfa...	8.164	8.914	10612	18391	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.479	9.173	10557	14350	BelowCal	BelowCal
19) Endosulfa...	0.000	9.362	0	7882	N.D.	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.970	9.758	4392	9975584	BelowCal	37.992
23) Hexachlor...	3.263	3.738	11252222	22755320	50.643	52.289
24) Hexachlor...	5.842	6.517	11085777	18514897	49.270	50.655
25) Oxychlorane	7.325	7.987	10059031	15674278	50.224	51.013
26) 2,4'-DDE	7.397	8.189	7457333	11748434	48.888	49.911
27) trans-Non...	7.579	8.261	11157820	17790398	49.813	52.281
28) 2,4'-DDD	7.770	8.563	6512867	10380490	47.533	49.689

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:22
 Operator : MJB
 Sample : 0B25043-ICV2
 Misc : A19J410, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:00:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.953	8.789	6728645	10172173	52.035	53.822
30) cis-Nonac...	8.051	8.829	12112113	18935558	48.388	50.421
31) Mirex	8.721	9.758	7289650	9975584	50.931	49.765
32) Chlordane...	7.492	8.189	166227	11748434	6.699	276.830 #
33) Chlordane...	7.579	8.306	11157820	681086	405.176	19.394 #
34) Chlordane...	8.164f	8.973	10612	25365	1.416	2.356 #
35) Chlordane...	3.752	3.738	11175	22755320	NoCal	NoCal
36) Toxaphene...	7.579	8.563f	11157820	10380490	10522.063	3671.162 #
37) Toxaphene...	7.863	8.914f	30864	18391	15.670	5.301 #
38) Toxaphene...	8.164	8.914	10612	18391	2.640	3.203
39) Toxaphene...	8.380f	8.973	14374	25365	3.679	2.743 #
40) Toxaphene...	0.000	9.173	0	14350	N.D.	2.829 #
41) Toxaphene...	8.721	0.000	7289650	0	1848.418	N.D. #
42) Toxaphene...	3.752	3.738	11175	22755320	NoCal	NoCal

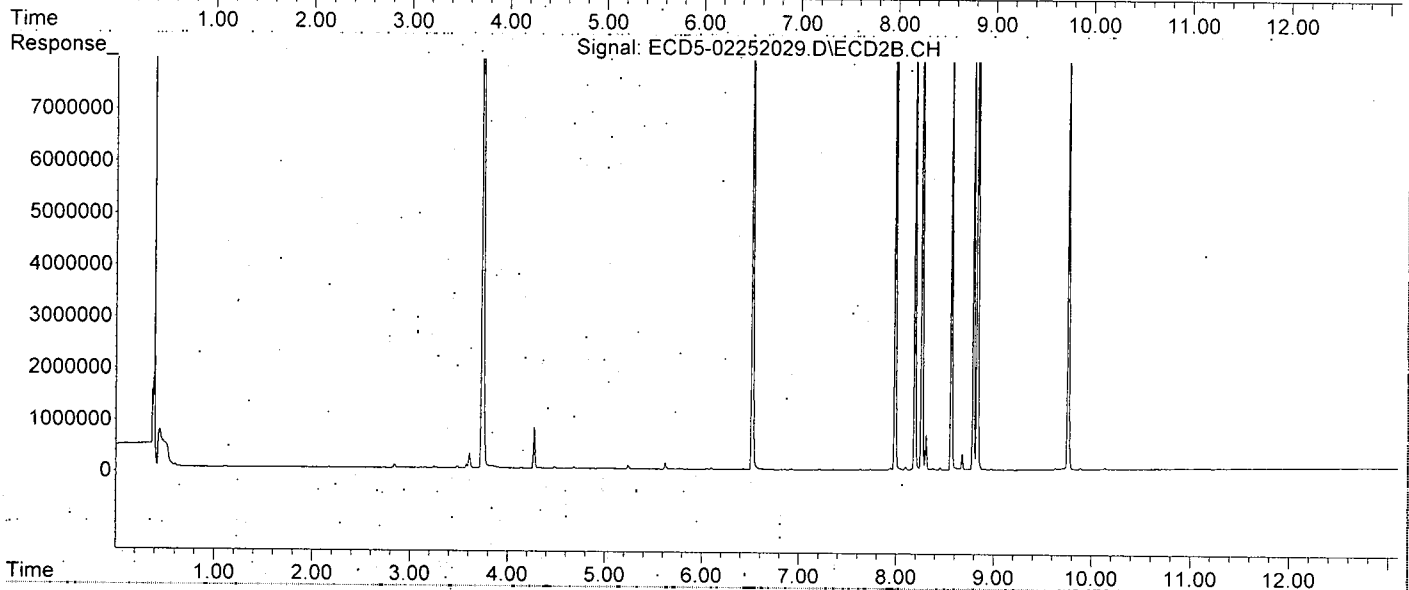
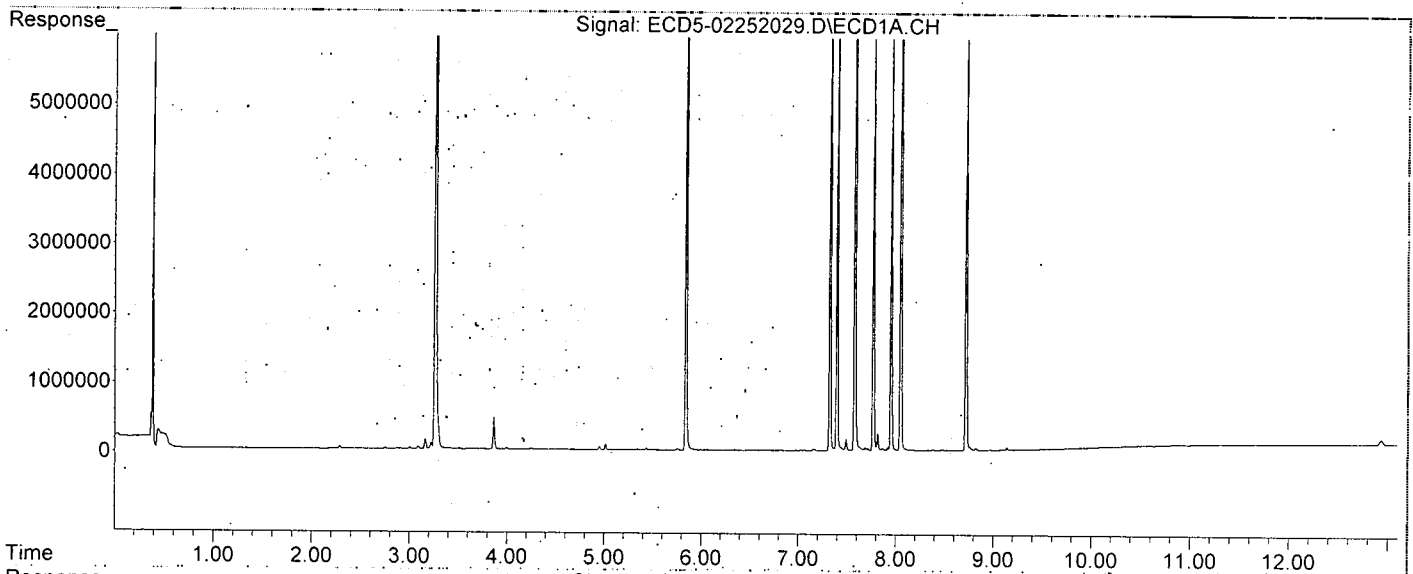
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 20:22
Operator : MJB
Sample : 0B25043-ICV2
Misc : A19J410, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 17:00:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:39
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:00:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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	6.299	0.000	3375	0	0.013	N.D. #
4) b-BHC	6.346	0.000	7474	0	13405.830	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.293	8561	11803	0.034	BelowCal #
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...	7.491	8.196	3722	10031	0.016	0.028 #
10) cis-Chlor...	7.584	8.303	5877	5574	0.027	0.017 #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.860	0.000	2180	0	0.009	N.D. #
14) Endrin	8.049f	0.000	1116	0	0.007	N.D. #
15) 4,4'-DDD	8.049	0.000	1116	0	0.006	N.D. #
16) Endosulfa...	8.184	8.934	8515	11070	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.474	9.171	15120	22164	BelowCal	BelowCal
19) Endosulfa...	8.775	9.360	14502	21553	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.970	9.761	8846	14898	BelowCal	BelowCal
23) Hexachlor...	3.284f	3.751	4960	10147	0.022	0.023
24) Hexachlor...	0.000	6.534	0	7252	N.D.	0.020 #
25) Oxychlorane	7.317	0.000	9463	0	0.047	N.D. #
26) 2,4'-DDE	0.000	8.196	0	10031	N.D.	0.043 #
27) trans-Non...	7.584	8.259	5877	5689	0.026	0.017 #
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:39
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:00:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.929f	0.000	2218	0	0.017	N.D. #
30)	cis-Nonac...	8.049	0.000	1116	0	0.004	N.D. #
31)	Mirex	8.721	9.761	788	14898	BelowCal	BelowCal
32)	Chlordane...	7.491	8.196	3722	10031	0.150	0.236 #
33)	Chlordane...	7.584	8.303	5877	5574	0.213	0.159 #
34)	Chlordane...	0.000	8.974	0	21228	N.D.	1.972 #
35)	Chlordane...	0.000	3.751	0	10147	N.D.	NoCal
36)	Toxaphene...	7.584	0.000	5877	0	5.542	N.D. #
37)	Toxaphene...	7.860	8.913f	2180	8275	1.107	2.385 #
38)	Toxaphene...	8.184	8.913	8515	8275	2.119	1.441 #
39)	Toxaphene...	8.383f	8.974	13925	21228	3.564	2.295 #
40)	Toxaphene...	0.000	9.171	0	22164	N.D.	4.370 #
41)	Toxaphene...	8.721	0.000	788	0	0.200	N.D. #
42)	Toxaphene...	0.000	3.751	0	10147	N.D.	NoCal

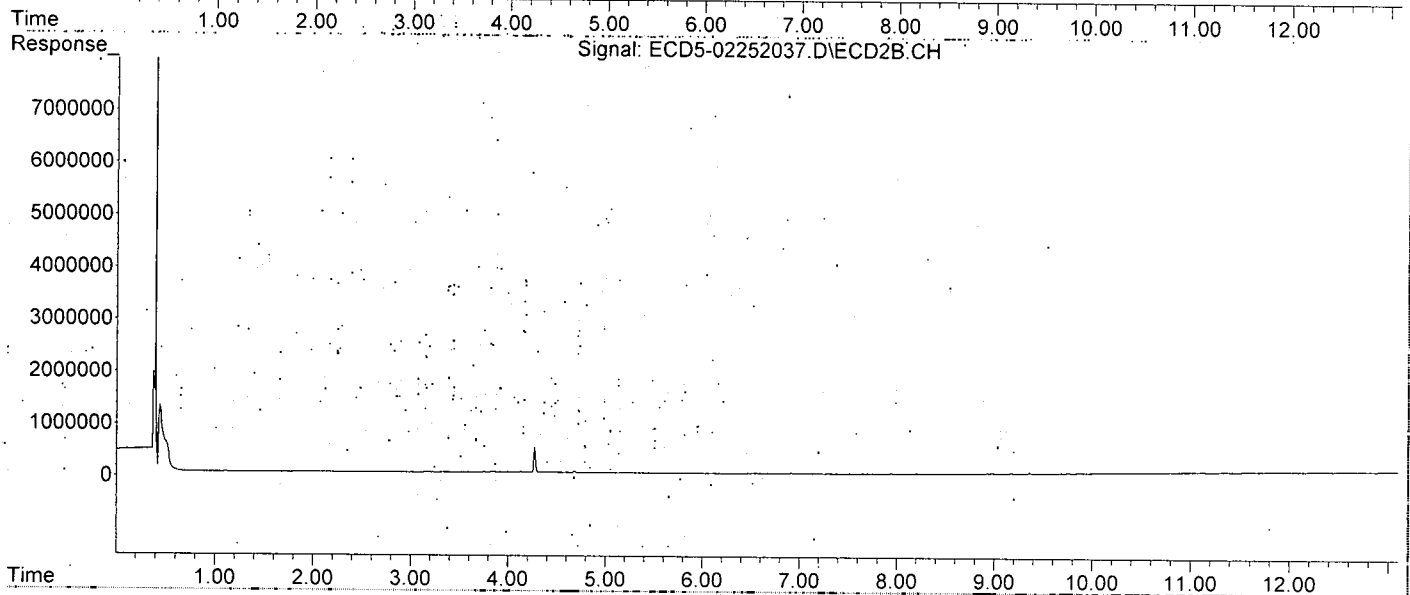
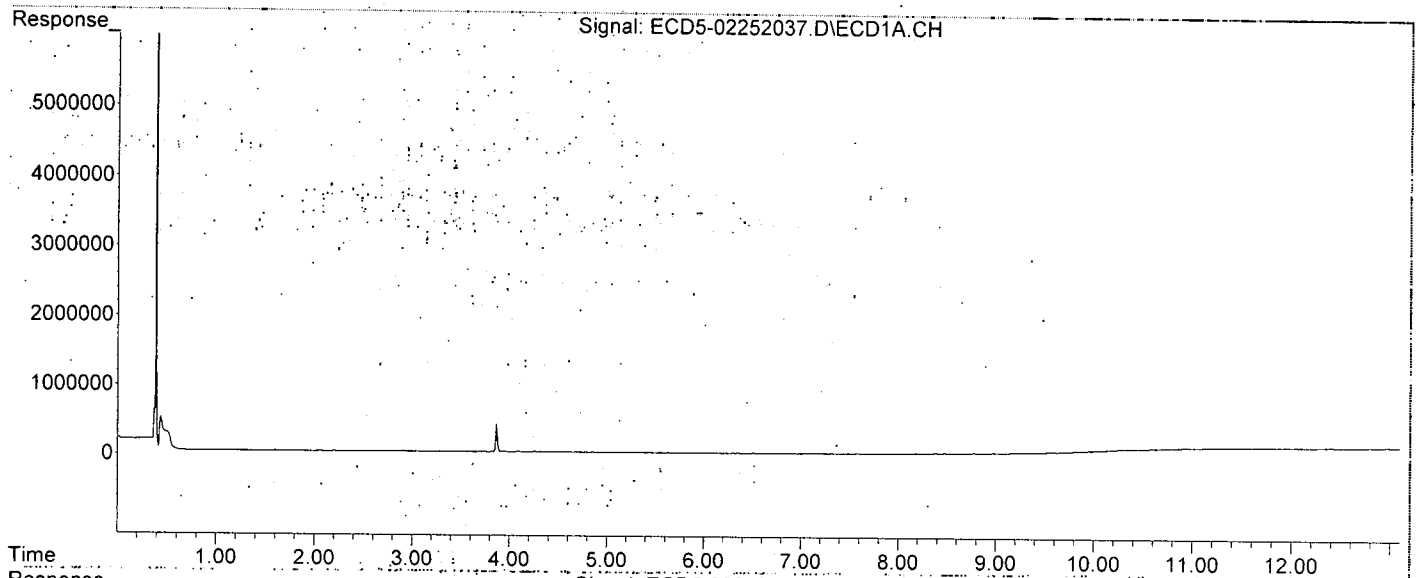
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 22:39
Operator : MJB
Sample : 0B25043-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: Feb 26 17:00:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:56
 Operator : MJB
 Sample : 0B25043-ICV3
 Misc : A19K312, CHLOR 500 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:01:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.457	6.050	5151	15595	0.024	0.045 #
22) S DCBP (S)	9.671	10.599f	21968	8169	BelowCal	0.042

Target Compounds

2) a-BHC	5.987	6.681f	8636	397031	0.030	0.926 #
3) g-BHC	6.296	6.981	16723	255007	0.066	0.624 #
4) b-BHC	6.331f	7.040	160353	80914	1.308	0.308 #
5) Heptachlor	6.691	7.348	5862510	9439029	25.147	25.351
6) d-BHC	6.498	7.278	85456	78400	0.340	0.142 #
7) Aldrin	6.938	7.619	85533	109129	0.356	0.288
8) Heptachlo...	7.401	8.072	910376	532179	4.044	1.543 #
9) trans-Chl...	7.489	8.194	13108632	22686158	57.609	64.184
10) cis-Chlor...	7.583	8.302	14164073	18965403	64.095	56.877
11) Endosulfa...	7.702	8.377f	330909	264414	1.607	0.852 #
12) 4,4'-DDE	7.642	8.397	368696	491509	1.636	1.506
13) Dieldrin	7.870	8.555	425799	1414459	1.848	4.083 #
14) Endrin	8.047f	8.798	2208838	227638	13.327	1.008 #
15) 4,4'-DDD	8.047f	8.826	2208838	3419662	11.854	12.794
16) Endosulfa...	8.183	8.941	253774	356225	1.287	1.293
17) 4,4'-DDT	0.000	9.062	0	126732	N.D.	0.780 #
18) Endrin Al...	8.493f	9.199f	75001	905780	0.049	3.840 #
19) Endosulfa...	8.776	9.389f	156183	88473	0.582	0.021 #
20) Methoxychlor	8.592	9.533	68068	19433	0.796	0.173 #
21) Endrin Ke...	8.959	9.761	21295	158059	BelowCal	0.442
23) Hexachlor...	3.284f	0.000	5267	0	0.024	N.D. #
24) Hexachlor...	5.829	6.530	7824	11391	0.035	0.031
25) Oxychlorane	7.315	7.996	133718	305159	0.668	0.993 #
26) 2,4'-DDE	7.401	8.194	910376	22686158	5.968	96.378 #
27) trans-Non...	7.583	8.258	14164073	16929361	63.234	49.751
28) 2,4'-DDD	7.738f	8.555	1037619	1414459	7.573	6.771

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:56
 Operator : MJB
 Sample : 0B25043-ICV3
 Misc : A19K312, CHLOR 500 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2). Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:01:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.979f	8.798	318814	227638	2.465	1.400 #
30) cis-Nonac...	8.047	8.826	2208838	3419662	8.824	9.106
31) Mirex	8.706	9.761	21198	158059	BelowCal	0.672
32) Chlordane...	7.489	8.194	13108632	22686158	528.306	534.557
33) Chlordane...	7.583	8.302	14164073	18965403	514.343	540.056
34) Chlordane...	8.134	8.967	4073525	5740330	543.580	533.156
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.583	8.555f	14164073	1414459	13357.024	500.237 #
37) Toxaphene...	7.870	8.881	425799	543716	216.186	156.728 #
38) Toxaphene...	8.183	8.919	253774	415048	63.143	72.287
39) Toxaphene...	8.412	8.967	160125	5740330	40.982	620.719 #
40) Toxaphene...	8.619f	9.138f	71898	98193	23.833	19.359
41) Toxaphene...	8.706	9.533	21198	19433	5.375	3.638 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

A
 B
 528.74
 535.92

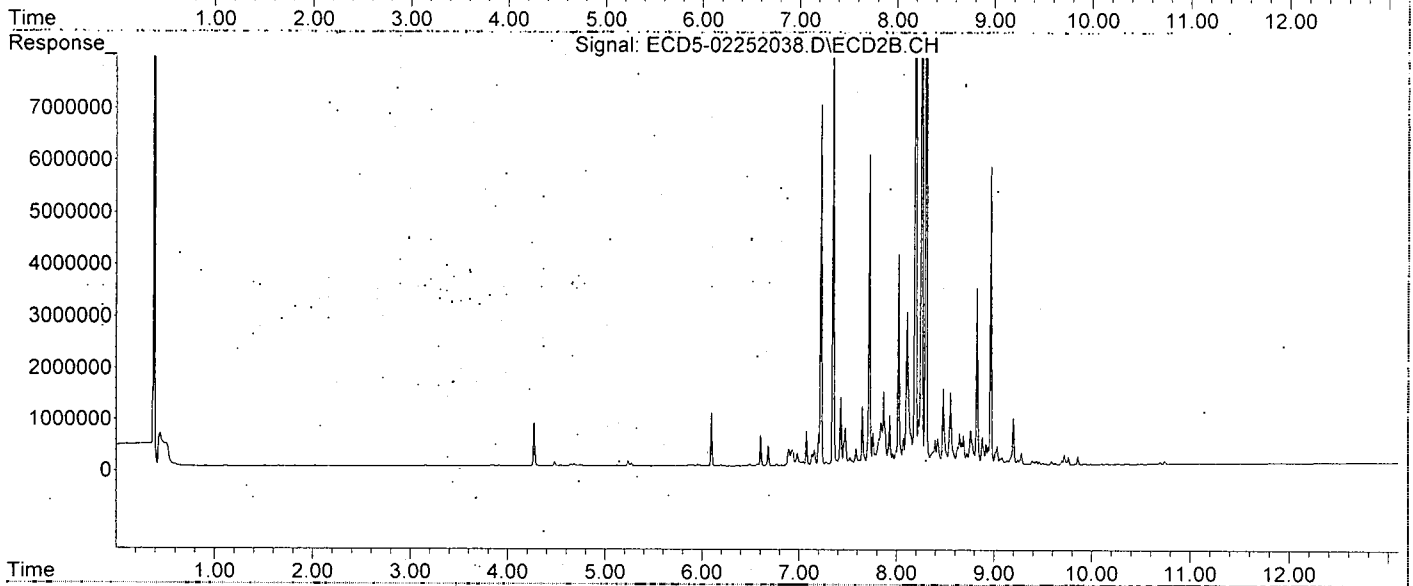
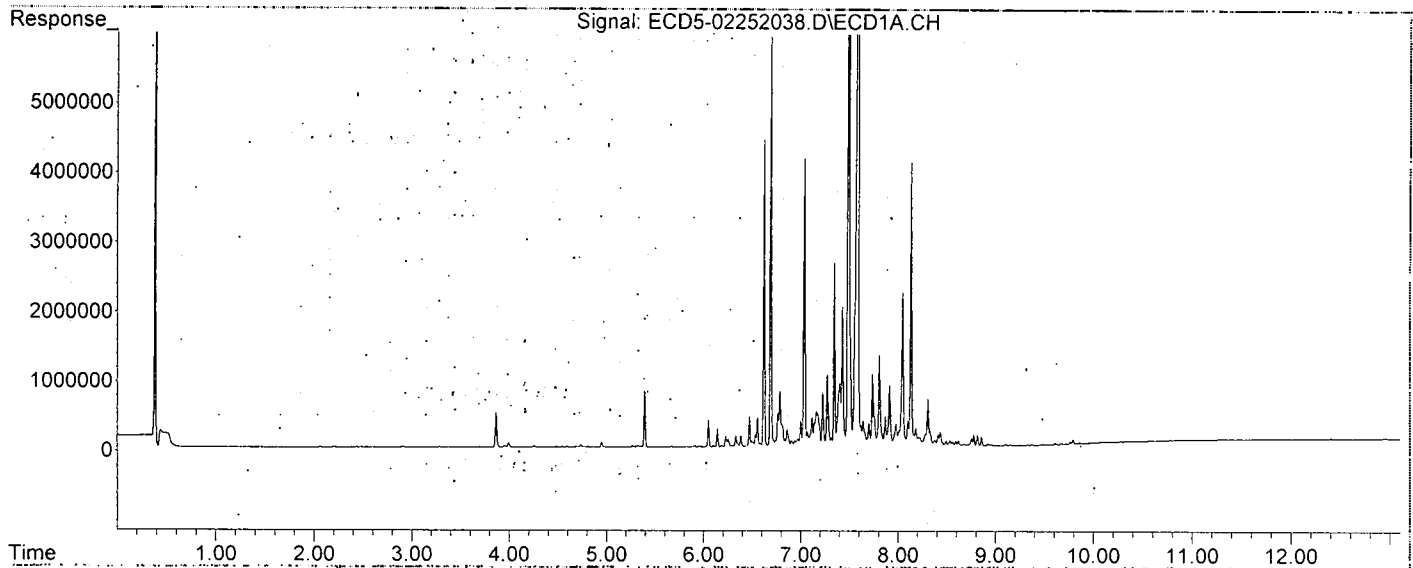
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 22:56
Operator : MJB
Sample : 0B25043-ICV3
Misc : A19K312, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 17:01:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 1:12
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:01:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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	6.299	0.000	3743	0	0.015	N.D. #
4) b-BHC	6.347	0.000	8243	0	13405.822	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.294	7968	11463	0.032	BelowCal #
7) Aldrin	6.894f	0.000	2830	0	0.012	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...	0.000	0.000	0	0	N.D.	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.860	0.000	1983	0	0.009	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...	8.184	8.933	8046	11561	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.474	9.170	14393	20948	BelowCal	BelowCal
19) Endosulfa...	8.776	9.360	14116	21358	BelowCal	BelowCal
20) Methoxychlor	0.000	9.543	0	1941	N.D.	BelowCal
21) Endrin Ke...	8.970	9.761	8390	13783	BelowCal	BelowCal
23) Hexachlor...	3.284f	3.753	4709	10646	0.021	0.024
24) Hexachlor...	0.000	6.534	0	7568	N.D.	0.021 #
25) Oxychlorane	7.317	0.000	10424	0	0.052	N.D. #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	0.000	0.000	0	0	N.D.	N.D.
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 1:12
 Operator : MJB
 Sample : 0B25043-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: Feb 26 17:01:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.930f	0.000	2360	0	0.018	N.D. #
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	8.715	9.761	1034	13783	BelowCal	BelowCal
32) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34) Chlordane...	0.000	8.975	0	18175	N.D.	1.688 #
35) Chlordane...	0.000	3.753	0	10646	N.D.	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	7.860	8.913f	1983	9998	1.007	2.882 #
38) Toxaphene...	8.184	8.913	8046	9998	2.002	1.741
39) Toxaphene...	8.384f	8.975	12921	18175	3.307	1.965 #
40) Toxaphene...	0.000	9.170	0	20948	N.D.	4.130 #
41) Toxaphene...	8.715	9.543	1034	1941	0.262	0.363 #
42) Toxaphene...	0.000	3.753	0	10646	N.D.	NoCal

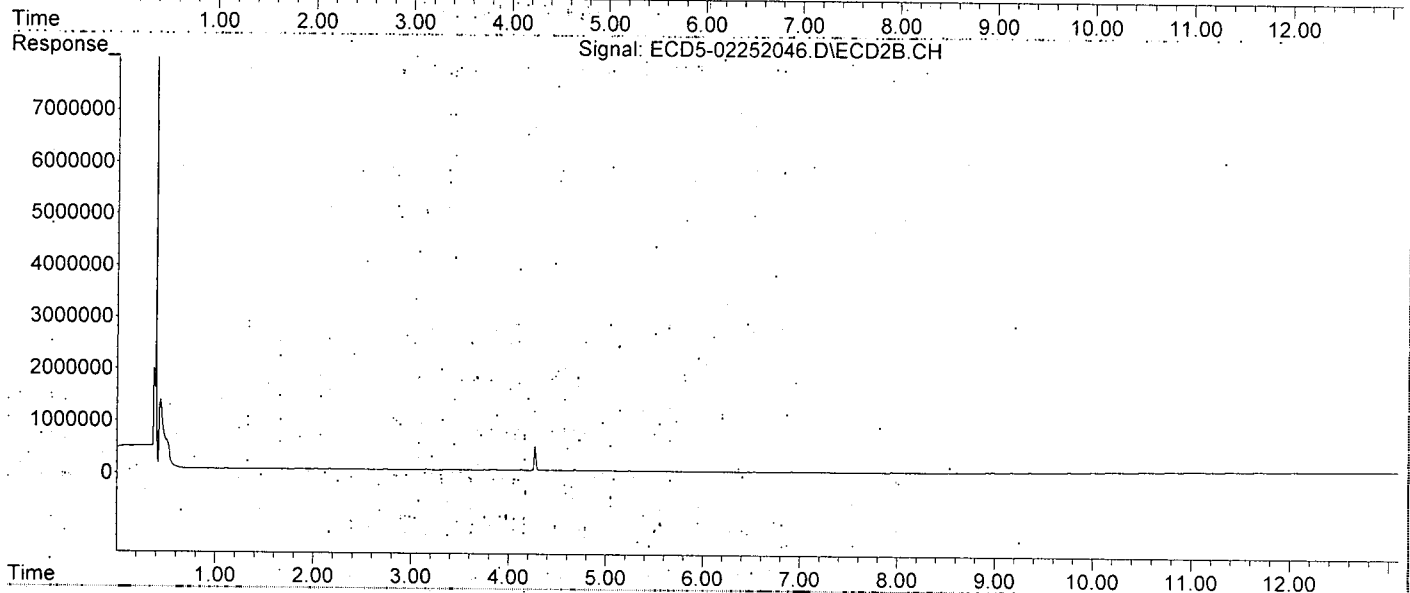
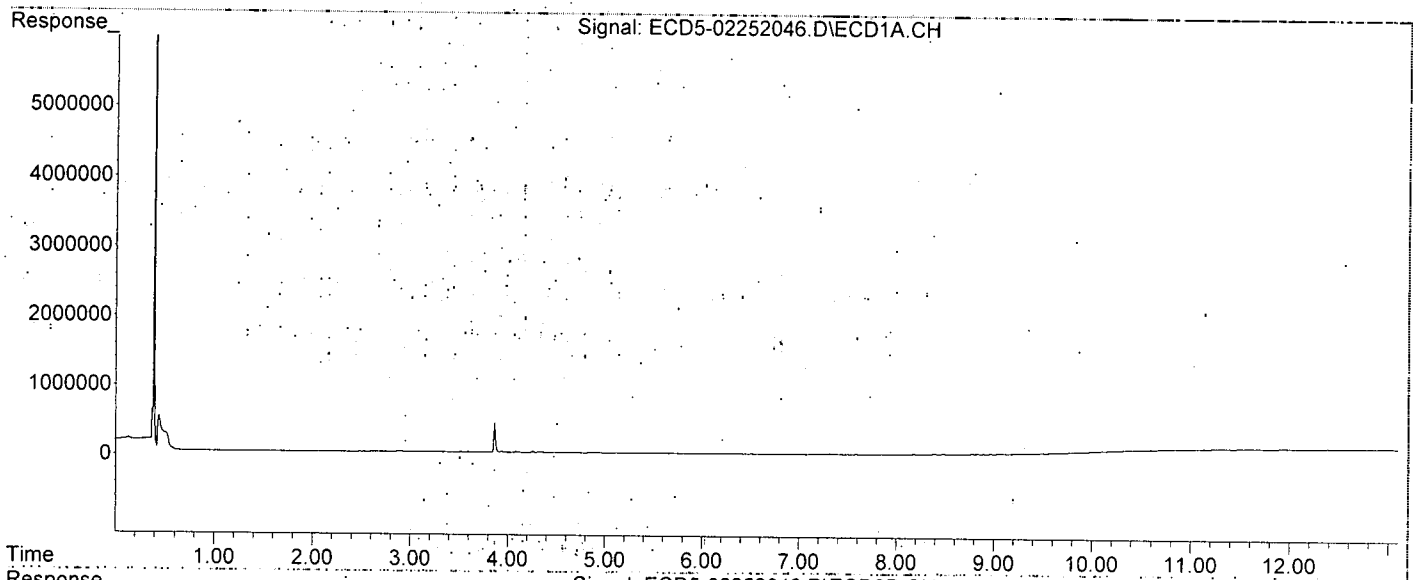
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 1:12
Operator : MJB
Sample : 0B25043-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: Feb 26 17:01:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 1:29
 Operator : MJB
 Sample : 0B25043-ICV4
 Misc : A19J42, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:01:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
2/26/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.050	0	13148	N.D.	0.038 #
22) S DCBP (S)	9.656	10.611f	35408	40148	BelowCal	0.207

Target Compounds

2) a-BHC	5.993	6.655	7219	9117	0.025	0.044 #
3) g-BHC	6.289	6.963	8620	22748	0.034	0.056 #
4) b-BHC	6.345	7.026	13960	34873	13405.769	0.031 #
5) Heptachlor	6.694	7.355	26294	58316	0.113	0.157 #
6) d-BHC	6.530f	7.294	18287	56505	0.073	0.081
7) Aldrin	6.932	7.643f	63332	138472	0.264	0.365 #
8) Heptachlo...	7.422f	8.049	308271	479845	1.369	1.391
9) trans-Chl...	7.507	8.177f	390838	563546	1.718	1.594
10) cis-Chlor...	7.565f	8.285f	537812	517170	2.434	1.551 #
11) Endosulfa...	7.694	8.360	632448	700354	3.071	2.257 #
12) 4,4'-DDE	7.615f	8.426	433686	844784	1.924	2.562 #
13) Dieldrin	7.859	8.573	953917	863437	4.139	2.493 #
14) Endrin	8.049f	8.778	1307264	1622497	7.887	7.307
15) 4,4'-DDD	8.049	8.831	1307264	1084852	7.016	4.103 #
16) Endosulfa...	8.172	8.918	2049843	2921227	12.037	11.834
17) 4,4'-DDT	8.250	9.048	1765434	1127907	12.415	6.190 #
18) Endrin Al...	8.459	9.161	1347053	2602400	8.572	11.690 #
19) Endosulfa...	8.778	9.363	760404	1095361	4.462	4.665
20) Methoxychlor	8.611	9.544	695095	2762657	9.699	28.616 #
21) Endrin Ke...	8.963	9.785f	527307	529088	2.545	1.932
23) Hexachlor...	3.262	3.736	4280	8115	0.019	0.019
24) Hexachlor...	5.842	6.530	4520	11167	0.020	0.031 #
25) Oxychlordan	7.326	7.998	429359	445900	2.144	1.451 #
26) 2,4'-DDE	7.422f	8.177	308271	563546	2.021	2.394
27) trans-Non...	7.565	8.270	537812	550973	2.401	1.619 #
28) 2,4'-DDD	7.778	8.573	723172	863437	5.278	4.133

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 1:29
 Operator : MJB
 Sample : 0B25043-ICV4
 Misc : A19J42, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 17:01:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.964	8.778	1160426	1622497	8.974	9.577
30) cis-Nonac...	8.049	8.831	1307264	1084852	5.222	2.889 #
31) Mirex	8.709	9.785f	2017791	529088	14.047	2.610 #
32) Chlordane...	7.507	8.177	390838	563546	15.752	13.279
33) Chlordane...	7.565	8.285	537812	517170	19.530	14.727
34) Chlordane...	8.113f	8.984	906644	4744422	120.984	440.657 #
35) Chlordane...	0.000	3.736	0	8115	N.D.	NoCal
36) Toxaphene...	7.565	8.533	537812	1464350	507.168	517.882
37) Toxaphene...	7.859	8.882	953917	1829817	484.321	527.449
38) Toxaphene...	8.172	8.918	2049843	2921227	510.033	508.779
39) Toxaphene...	8.412	8.984	2003445	4744422	512.755	513.028
40) Toxaphene...	8.642	9.161	1604536	2602400	531.877	513.074
41) Toxaphene...	8.709	9.544	2017791	2762657	511.646	517.214
42) Toxaphene...	0.000	3.736	0	8115	N.D.	NoCal

A B
 509.63 516.24

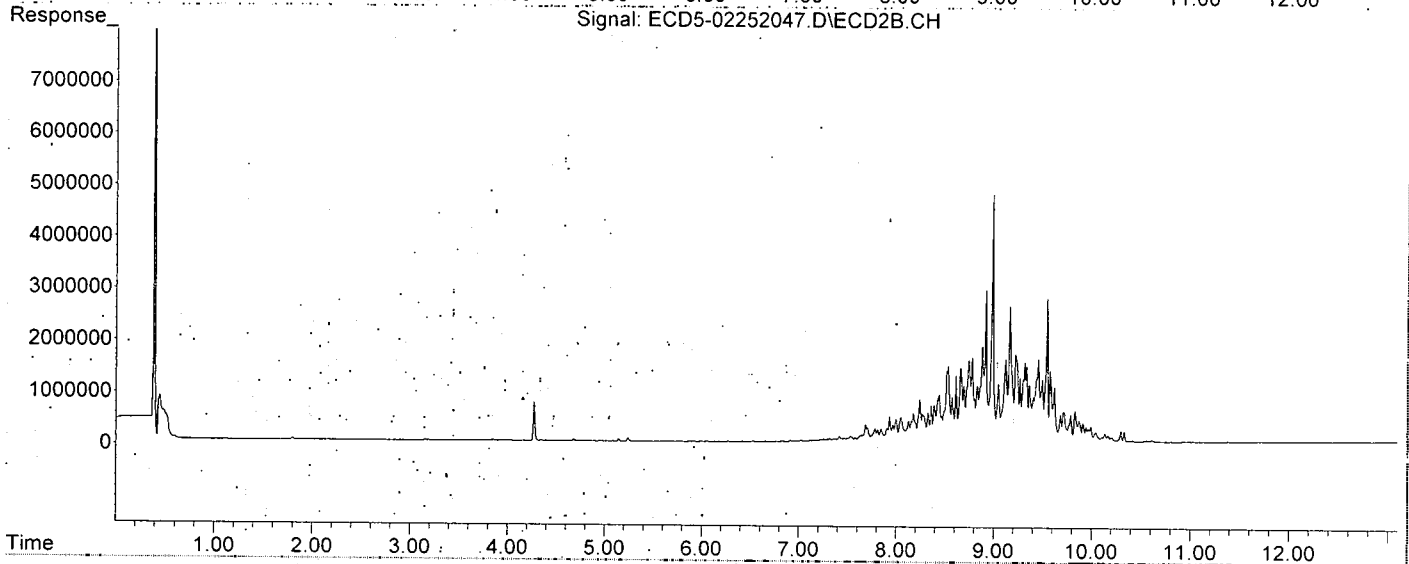
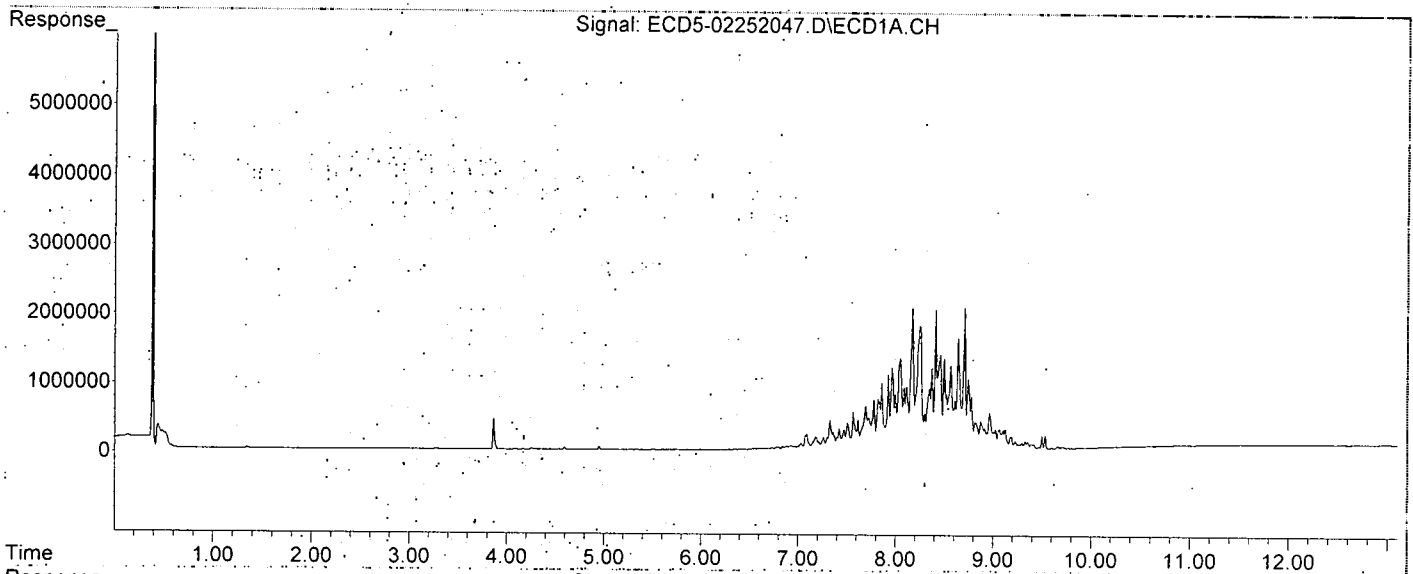
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 1:29
Operator : MJB
Sample : 0B25043-ICV4
Misc : A19J42, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 17:01:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:22
 Operator : MJB
 Sample : 0B25043-CAL1
 Misc : A20B330, AB 0.5 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:47:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
2/26/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.463	6.052	124556	193527	0.580	0.562
22) S DCBP (S)	9.665	10.638	117037	114432	0.493	0.590

Target Compounds

2) a-BHC	6.004	6.660	145037	216180	0.507	0.515
3) g-BHC	6.287	6.978	132571	202742	0.525	0.496
4) b-BHC	6.362	7.041	73548	112940	0.496	0.500
5) Heptachlor	6.698	7.355	128664	192196	0.552	0.516
6) d-BHC	6.513	7.298	149468	214107	0.594	0.518
7) Aldrin	6.940	7.623	124739	187155	0.519	0.493
8) Heptachlo...	7.402	8.061	128967	184247	0.573	0.534
9) trans-Chl...	7.497	8.201	125113	189029	0.550	0.535
10) cis-Chlor...	7.594	8.309	125794	178270	0.569	0.535
11) Endosulfa...	7.693	8.360	114727	165750	0.557	0.534
12) 4,4'-DDE	7.651	8.413	115550	161551	0.513	0.517
13) Dieldrin	7.864	8.562	127511	172991	0.553	0.499
14) Endrin	8.029	8.790	89558	118360	0.540	0.509
15) 4,4'-DDD	8.073	8.830	100840	135180	0.541	0.510
16) Endosulfa...	8.187	8.937	123502	167227	0.506	0.504
17) 4,4'-DDT	8.272	9.057	73248	81426	0.514	0.531
18) Endrin Al...	8.477	9.174	141186	193803	0.492	0.504
19) Endosulfa...	8.780	9.364	144136	194517	0.504	0.512
20) Methoxychlor	8.605	9.536	47477	50315	0.501	0.513
21) Endrin Ke...	8.974	9.767	141143	174090	0.498	0.506
23) Hexachlor...	3.289f	3.755	5930	11057	0.027	0.025
24) Hexachlor...	0.000	6.537f	0	9137	N.D.	0.025 #
25) Oxychlorane	7.319	7.947f	12113	20771	0.060	0.068
26) 2,4'-DDE	7.402	8.201	128967	189029	0.845	0.803
27) trans-Non...	7.594	0.000	125794	0	0.562	N.D. #
28) 2,4'-DDD	0.000	8.562	0	172991	N.D.	0.828 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:22
 Operator : MJB
 Sample : 0B25043-CAL1
 Misc : A20B330, AB 0.5 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:47:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	0.000	8.790	0	118360	N.D.	0.744 #
30)	cis-Nonac...	8.029f	8.830	89558	135180	0.358	0.360
31)	Mirex	8.715	9.767	2575	174090	BelowCal	0.756
32)	Chlordane...	7.497	8.201	125113	189029	5.042	4.454
33)	Chlordane...	7.594	8.309	125794	178270	4.568	5.076
34)	Chlordane...	0.000	8.971	0	34177	N.D.	3.174 #
35)	Chlordane...	3.745	3.755	9335	11057	NoCal	NoCal
36)	Toxaphene...	7.594f	8.562f	125794	172991	118.626	61.180 #
37)	Toxaphene...	7.864	0.000	127511	0	64.740	N.D. #
38)	Toxaphene...	8.187	8.937	123502	167227	30.729	29.125
39)	Toxaphene...	8.443f	8.971	13014	34177	3.331	3.696
40)	Toxaphene...	8.605f	9.174	47477	193803	15.738	38.209 #
41)	Toxaphene...	8.715	9.536	2575	50315	0.653	9.420 #
42)	Toxaphene...	3.745	3.755	9335	11057	NoCal	NoCal

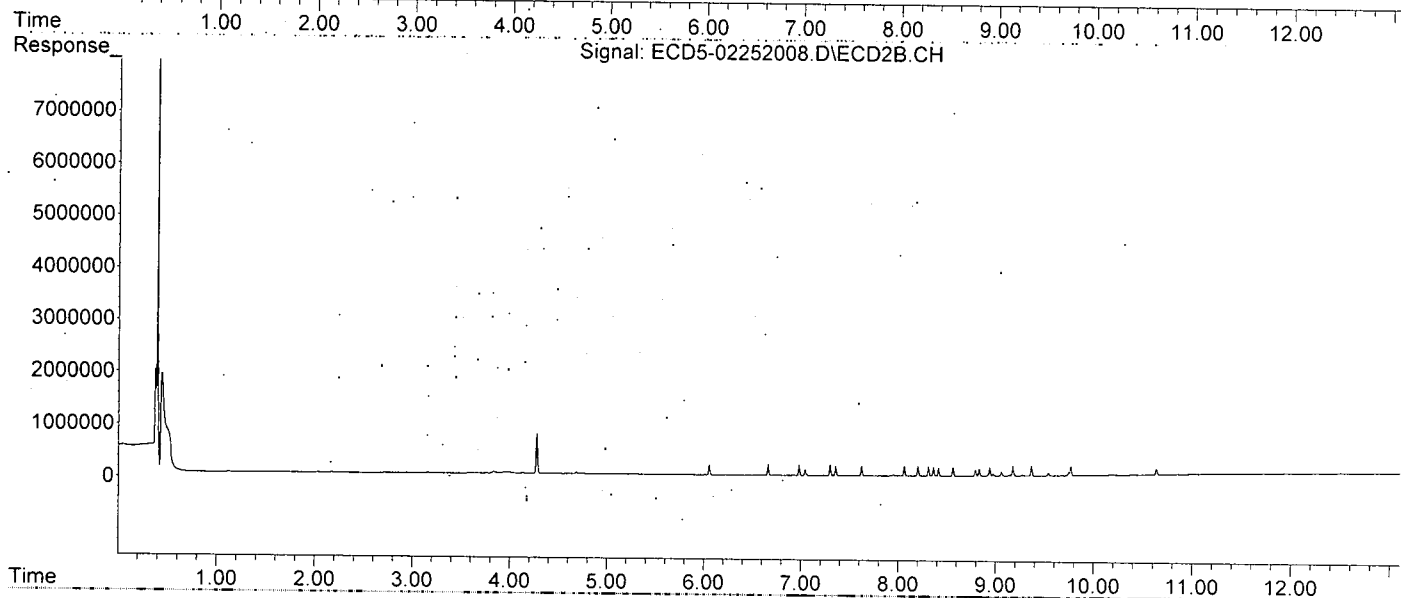
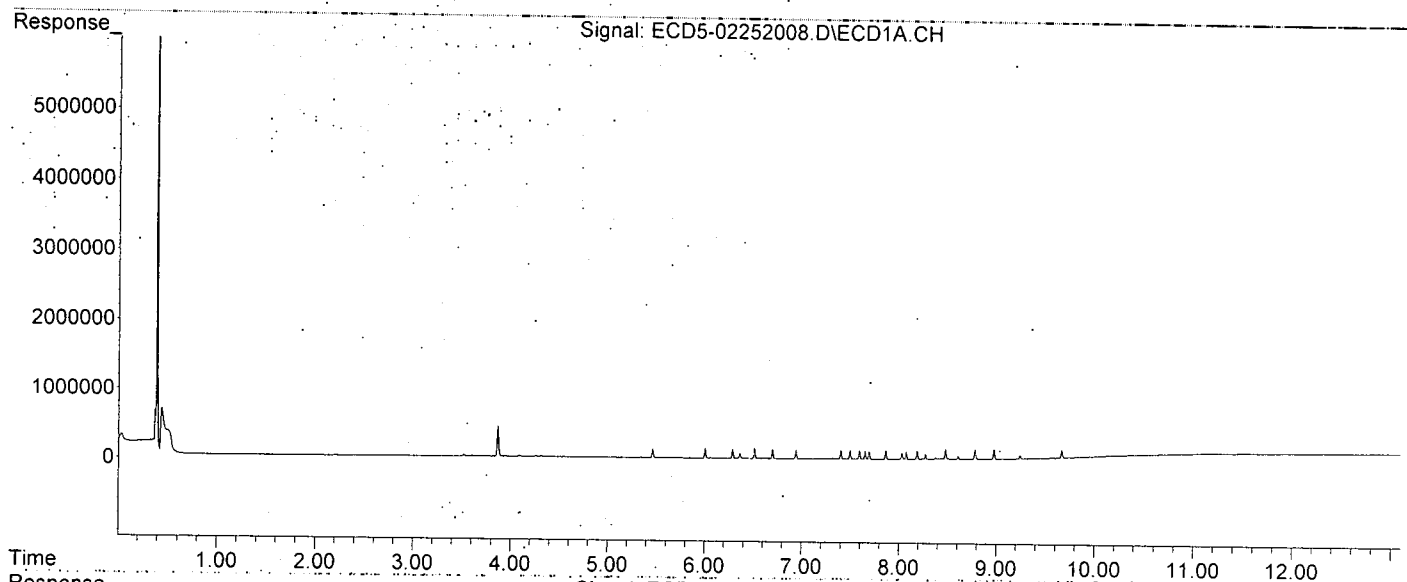
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:39
 Operator : MJB
 Sample : 0B25043-CAL2
 Misc : A20B331, AB 1 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:47:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.460	6.049	233699	352114	1.087	1.022
22) S DCBP (S)	9.662	10.634	200173	203741	1.024	1.050

Target Compounds

2) a-BHC	6.001	6.657	279704	417011	0.979	0.971
3) g-BHC	6.285	6.976	251453	390959	0.996	0.957
4) b-BHC	6.360	7.038	128925	195905	1.014	0.999
5) Heptachlor	6.695	7.352	232243	351823	0.996	0.945
6) d-BHC	6.510	7.294	257306	372903	1.023	0.958
7) Aldrin	6.937	7.619	239630	348395	0.997	0.918
8) Heptachlo...	7.398	8.058	235377	334473	1.046	0.969
9) trans-Chl...	7.494	8.198	232235	340785	1.021	0.964
10) cis-Chlor...	7.591	8.306	227540	322691	1.030	0.968
11) Endosulfa...	7.689	8.357	214430	303264	1.041	0.977
12) 4,4'-DDE	7.648	8.409	219730	311134	0.975	0.966
13) Dieldrin	7.861	8.558	231817	326125	1.006	0.942
14) Endrin	8.027	8.787	164410	221743	0.992	0.981
15) 4,4'-DDD	8.070	8.826	184468	259515	0.990	0.983
16) Endosulfa...	8.183	8.933	201485	282832	0.974	0.987
17) 4,4'-DDT	8.268	9.054	136646	152974	0.966	0.923
18) Endrin Al...	8.474	9.170	218212	293186	1.008	0.971
19) Endosulfa...	8.776	9.361	217356	289732	0.975	0.953
20) Methoxychlor	8.602	9.533	81060	92284	0.982	0.974
21) Endrin Ke...	8.971	9.764	236826	292223	1.005	0.981
23) Hexachlor...	3.287f	3.754	4961	7385	0.022	0.017
24) Hexachlor...	0.000	6.534	0	8535	N.D.	0.023 #
25) Oxychlorane	7.316	0.000	11905	0	0.059	N.D. #
26) 2,4'-DDE	7.398	8.198	235377	340785	1.543	1.448
27) trans-Non...	7.591	0.000	227540	0	1.016	N.D. #
28) 2,4'-DDD	0.000	8.558	0	326125	N.D.	1.561 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:39
 Operator : MJB
 Sample : 0B25043-CAL2
 Misc : A20B331, AB 1 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:47:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	0.000	8.787	0	221743	N.D.	1.364 #
30) cis-Nonac...	8.070f	8.826	184468	259515	0.737	0.691
31) Mirex	8.712	9.764	2953	292223	BelowCal	1.374
32) Chlordane...	7.494	8.198	232235	340785	9.360	8.030
33) Chlordane...	7.591	8.306	227540	322691	8.263	9.189
34) Chlordane...	0.000	8.968	0	33232	N.D.	3.087 #
35) Chlordane...	3.749	3.754	7917	7385	NoCal	NoCal
36) Toxaphene...	7.591f	8.558f	227540	326125	214.575	115.337 #
37) Toxaphene...	7.861	0.000	231817	0	117.698	N.D. #
38) Toxaphene...	8.183	8.933	201485	282832	50.133	49.260
39) Toxaphene...	8.440f	8.968	10352	33232	2.650	3.594 #
40) Toxaphene...	8.602f	9.170	81060	293186	26.870	57.803 #
41) Toxaphene...	8.712	9.533	2953	92284	0.749	17.277 #
42) Toxaphene...	3.749	3.754	7917	7385	NoCal	NoCal

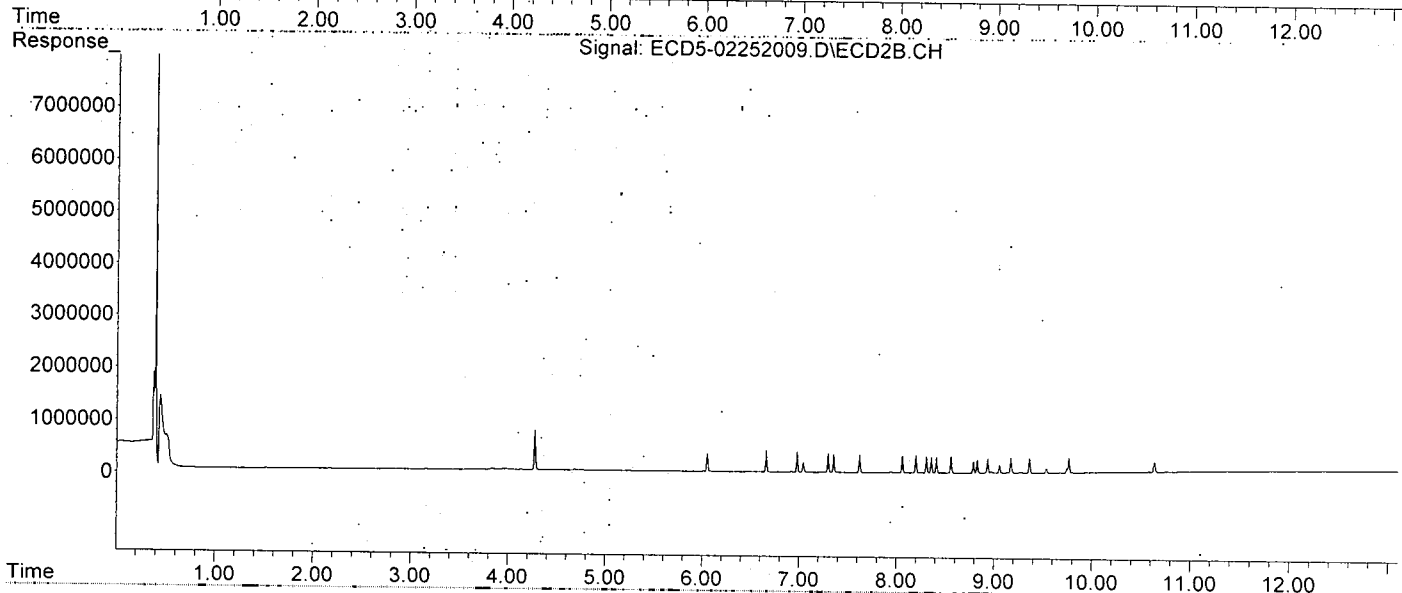
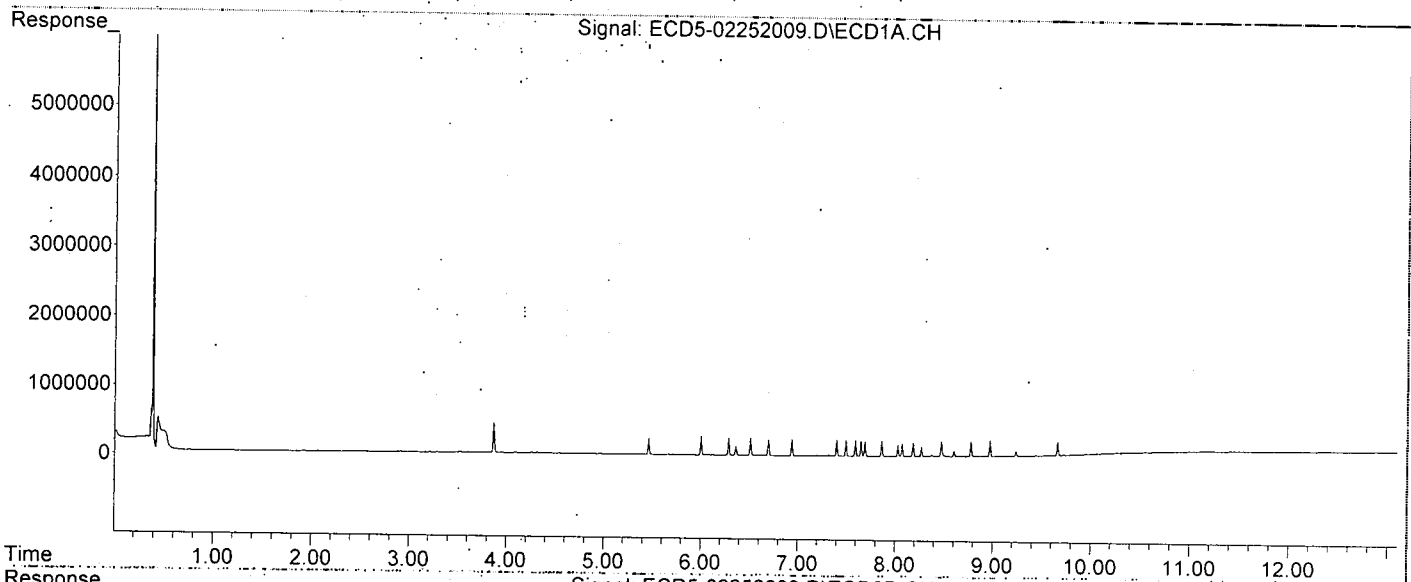
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:39
Operator : MJB
Sample : 0B25043-CAL2
Misc : A20B331, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:47:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:56
 Operator : MJB
 Sample : 0B25043-CAL3
 Misc : A19K128, AB 2 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.460	6.048	439420	687097	2.045	1.995
22) S DCBP (S)	9.662	10.634	360138	384159	2.044	1.981

Target Compounds

2) a-BHC	6.001	6.657	558948	834863	1.956	1.919
3) g-BHC	6.284	6.976	495165	751240	1.962	1.838
4) b-BHC	6.359	7.038	237777	368359	2.032	2.034
5) Heptachlor	6.694	7.352	460866	712528	1.977	1.914
6) d-BHC	6.509	7.295	484609	722490	1.927	1.923
7) Aldrin	6.936	7.619	468839	712936	1.951	1.879
8) Heptachlo...	7.398	8.058	451037	657729	2.004	1.906
9) trans-Chl...	7.493	8.198	449517	659567	1.976	1.866
10) cis-Chlor...	7.590	8.306	442664	631569	2.003	1.894
11) Endosulfa...	7.688	8.357	415164	584625	2.016	1.884
12) 4,4'-DDE	7.648	8.410	433562	626077	1.923	1.908
13) Dieldrin	7.861	8.558	446086	639177	1.936	1.845
14) Endrin	8.026	8.787	320798	435263	1.935	1.954
15) 4,4'-DDD	8.070	8.827	371932	511651	1.996	1.939
16) Endosulfa...	8.183	8.934	375693	527060	2.019	2.004
17) 4,4'-DDT	8.268	9.055	273553	325030	1.940	1.864
18) Endrin Al...	8.474	9.171	385517	532913	2.130	2.096
19) Endosulfa...	8.776	9.362	384470	516495	2.048	2.001
20) Methoxychlor	8.602	9.533	159441	180433	2.103	1.939
21) Endrin Ke...	8.971	9.764	429826	544557	2.028	1.994
23) Hexachlor...	3.287f	0.000	5184	0	0.023	N.D. #
24) Hexachlor...	0.000	6.534	0	8847	N.D.	0.024 #
25) Oxychlorane	7.316	0.000	10486	0	0.052	N.D. #
26) 2,4'-DDE	7.398	8.198	451037	659567	2.957	2.802
27) trans-Non...	7.590	0.000	442664	0	1.976	N.D. #
28) 2,4'-DDD	0.000	8.558	0	639177	N.D.	3.060 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:56
 Operator : MJB
 Sample : 0B25043-CAL3
 Misc : A19K128, AB 2 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	0.000	8.787	0	435263	N.D.	2.639 #
30) cis-Nonac...	8.070f	8.827	371932	511651	1.486	1.362
31) Mirex	8.722	9.764	4083	544557	BelowCal	2.691
32) Chlordane...	7.493	8.198	449517	659567	18.117	15.541
33) Chlordane...	7.590	8.306	442664	631569	16.075	17.984
34) Chlordane...	0.000	8.968	0	33790	N.D.	3.138 #
35) Chlordane...	3.749	0.000	8770	0	NoCal	N.D.
36) Toxaphene...	7.590f	8.558f	442664	639177	417.442	226.051 #
37) Toxaphene...	7.861	0.000	446086	0	226.486	N.D. #
38) Toxaphene...	8.183	8.934	375693	527060	93.478	91.796
39) Toxaphene...	8.441f	8.968	8077	33790	2.067	3.654 #
40) Toxaphene...	8.653	9.171	1828	532913	0.606	105.066 #
41) Toxaphene...	8.722	9.533	4083	180433	1.035	33.780 #
42) Toxaphene...	3.749	0.000	8770	0	NoCal	N.D.

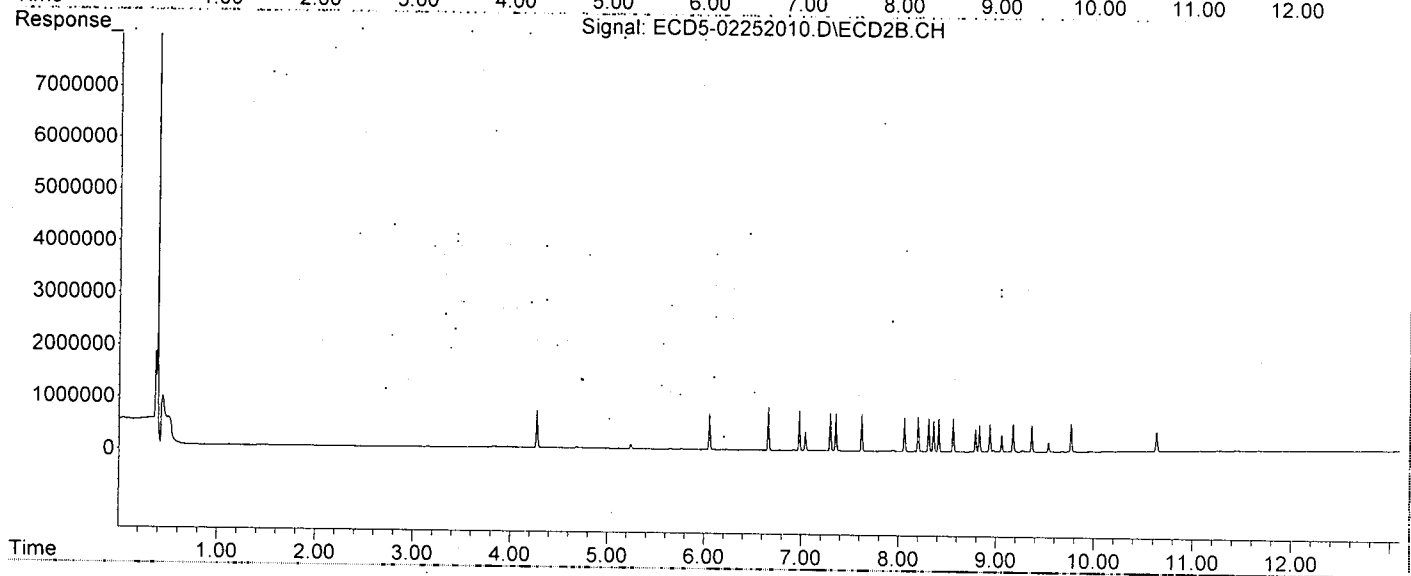
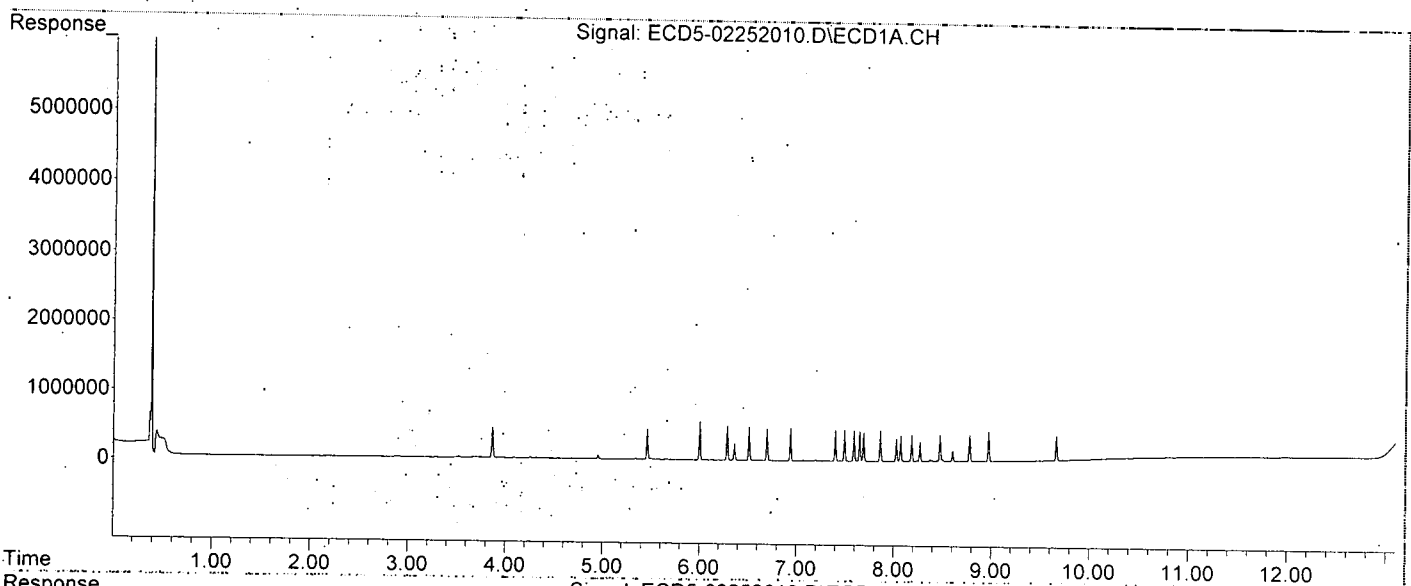
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:56
Operator : MJB
Sample : 0B25043-CAL3
Misc : A19K128, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:48:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:13
 Operator : MJB
 Sample : 0B25043-CAL4
 Misc : A19K130, AB 5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:18 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.048	1003988	1546173	4.671	4.489
22) S DCBP (S)	9.662	10.634	799869	875888	4.848	4.516

Target Compounds

2) a-BHC	6.000	6.657	1382053	2126700	4.836	4.834
3) g-BHC	6.284	6.975	1227845	1881135	4.864	4.603
4) b-BHC	6.358	7.038	547413	837376	4.930	4.844
5) Heptachlor	6.694	7.352	1111456	1694467	4.767	4.551
6) d-BHC	6.508	7.294	1189174	1729213	4.729	4.690
7) Aldrin	6.936	7.619	1146897	1773714	4.773	4.675
8) Heptachlo...	7.398	8.058	1085253	1574920	4.821	4.565
9) trans-Chl...	7.493	8.198	1077636	1595744	4.736	4.515
10) cis-Chlor...	7.590	8.306	1034851	1507927	4.683	4.522
11) Endosulfa...	7.689	8.357	1014379	1439410	4.925	4.638
12) 4,4'-DDE	7.648	8.410	1084606	1553504	4.811	4.674
13) Dieldrin	7.860	8.558	1130550	1567052	4.905	4.524
14) Endrin	8.026	8.787	781467	1071103	4.715	4.833
15) 4,4'-DDD	8.070	8.827	885705	1267308	4.753	4.790
16) Endosulfa...	8.183	8.934	869870	1217071	4.981	4.864
17) 4,4'-DDT	8.268	9.054	677705	840171	4.802	4.652
18) Endrin Al...	8.474	9.171	790735	1118310	4.845	4.831
19) Endosulfa...	8.776	9.361	816986	1150682	4.825	4.918
20) Methoxychlor	8.602	9.533	348323	439742	4.794	4.754
21) Endrin Ke...	8.971	9.764	979562	1270528	4.938	4.892
23) Hexachlor...	3.286f	0.000	4786	0	0.022	N.D. #
24) Hexachlor...	5.841	6.533	4659	8680	0.021	0.024
25) Oxychlorane	7.316	0.000	10075	0	0.050	N.D. #
26) 2,4'-DDE	7.398	8.198	1085253	1595744	7.115	6.779
27) trans-Non...	7.590	8.260	1034851	6223	4.620	0.018 #
28) 2,4'-DDD	0.000	8.558	0	1567052	N.D.	7.501 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:13
 Operator : MJB
 Sample : 0B25043-CAL4
 Misc : A19K130, AB 5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:18 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.956	8.787	40229	1071103	0.311	6.385 #
30) cis-Nonac...	8.070f	8.827	885705	1267308	3.538	3.375
31) Mirex	8.709	9.764	20345	1270528	BelowCal	6.463
32) Chlordane...	7.493	8.198	1077636	1595744	43.431	37.601
33) Chlordane...	7.590	8.306	1034851	1507927	37.579	42.939
34) Chlordane...	0.000	8.969	0	40082	N.D.	3.723 #
35) Chlordane...	3.745	0.000	8120	0	NoCal	N.D.
36) Toxaphene...	7.590f	8.558f	1034851	1567052	975.887	554.203 #
37) Toxaphene...	7.860	0.000	1130550	0	574.001	N.D. #
38) Toxaphene...	8.183	8.934	869870	1217071	216.437	211.973
39) Toxaphene...	8.396	8.969	37231	40082	9.529	4.334 #
40) Toxaphene...	8.657	9.171	17180	1118310	5.695	220.480 #
41) Toxaphene...	8.709	9.533	20345	439742	5.159	82.327 #
42) Toxaphene...	3.745	0.000	8120	0	NoCal	N.D.

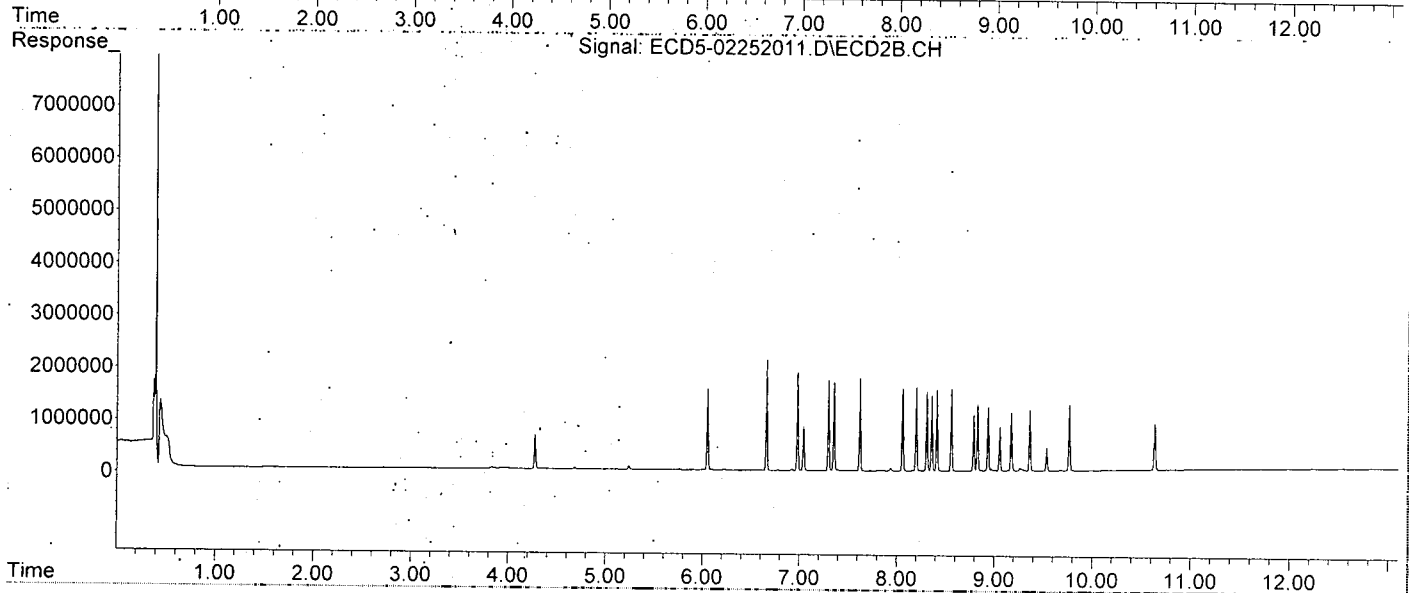
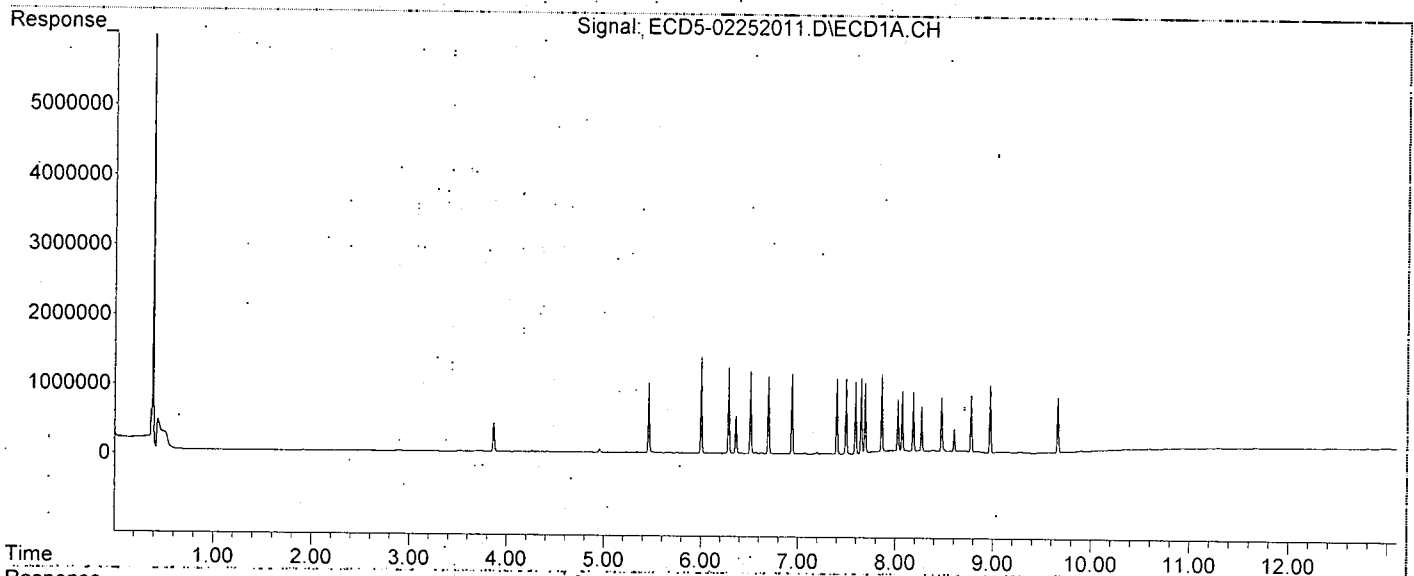
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 15:13
Operator : MJB
Sample : 0B25043-CAL4
Misc : A19K130, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:48:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:30
 Operator : MJB
 Sample : 0B25043-CAL5
 Misc : A19K131, AB 10 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.048	1998110	3136923	9.297	9.108
22) S DCBP (S)	9.660	10.633	1619015	1782079	10.067	9.188

Target Compounds

2) a-BHC	6.000	6.656	2743087	4275680	9.598	9.637
3) g-BHC	6.283	6.975	2419200	3823021	9.584	9.355
4) b-BHC	6.358	7.037	1084856	1664144	9.964	9.778
5) Heptachlor	6.693	7.351	2236498	3567347	9.593	9.581
6) d-BHC	6.508	7.294	2405210	3730042	9.565	10.126
7) Aldrin	6.935	7.619	2348957	3580406	9.776	9.438
8) Heptachlo...	7.397	8.057	2106338	3225324	9.357	9.349
9) trans-Chl...	7.492	8.197	2156922	3321961	9.479	9.399
10) cis-Chlor...	7.589	8.306	2101531	3145257	9.510	9.433
11) Endosulfa...	7.688	8.356	2002466	2901002	9.723	9.347
12) 4,4'-DDE	7.647	8.409	2207718	3337927	9.793	9.951
13) Dieldrin	7.859	8.558	2231423	3243846	9.682	9.365
14) Endrin	8.025	8.786	1583671	2199983	9.555	9.878
15) 4,4'-DDD	8.069	8.826	1845969	2702397	9.907	10.146
16) Endosulfa...	8.182	8.933	1754678	2495237	10.274	10.103
17) 4,4'-DDT	8.267	9.054	1457724	1849882	10.275	9.994
18) Endrin Al...	8.472	9.170	1552434	2212372	9.947	9.898
19) Endosulfa...	8.775	9.361	1704127	2341971	10.510	10.346
20) Methoxychlor	8.601	9.533	720753	944530	10.061	10.141
21) Endrin Ke...	8.969	9.763	1963488	2578653	10.129	10.056
23) Hexachlor...	3.286f	0.000	3892	0	0.018	N.D. #
24) Hexachlor...	5.841	6.532	5724	8797	0.025	0.024
25) Oxychlorane	7.332	7.980	11891	5851	0.059	0.019 #
26) 2,4'-DDE	7.397	8.197	2106338	3321961	13.809	14.113
27) trans-Non...	7.589	8.258	2101531	12333	9.382	0.036 #
28) 2,4'-DDD	0.000	8.558	0	3243846	N.D.	15.527 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:30
 Operator : MJB
 Sample : 0B25043-CAL5
 Misc : A19K131, AB 10 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.954	8.786	7492	2199983	0.058	12.867 #
30)	cis-Nonac...	8.069	8.826	1845969	2702397	7.375	7.196
31)	Mirex	8.724	9.763	12449	2578653	BelowCal	13.193
32)	Chlordane...	7.492	8.197	2156922	3321961	86.929	78.276
33)	Chlordane...	7.589	8.306	2101531	3145257	76.313	89.564
34)	Chlordane...	0.000	8.967	0	45246	N.D.	4.202 #
35)	Chlordane...	3.743	0.000	8271	0	NoCal	N.D.
36)	Toxaphene...	7.589f	8.558f	2101531	3243846	1981.788	1147.218 #
37)	Toxaphene...	7.859	0.000	2231423	0	1132.934	N.D. #
38)	Toxaphene...	8.182	8.933	1754678	2495237	436.592	434.586
39)	Toxaphene...	8.395	8.967	38140	45246	9.761	4.893 #
40)	Toxaphene...	8.653	9.170	7465	2212372	2.475	436.178 #
41)	Toxaphene...	8.724	9.533	12449	944530	3.157	176.831 #
42)	Toxaphene...	3.743	0.000	8271	0	NoCal	N.D.

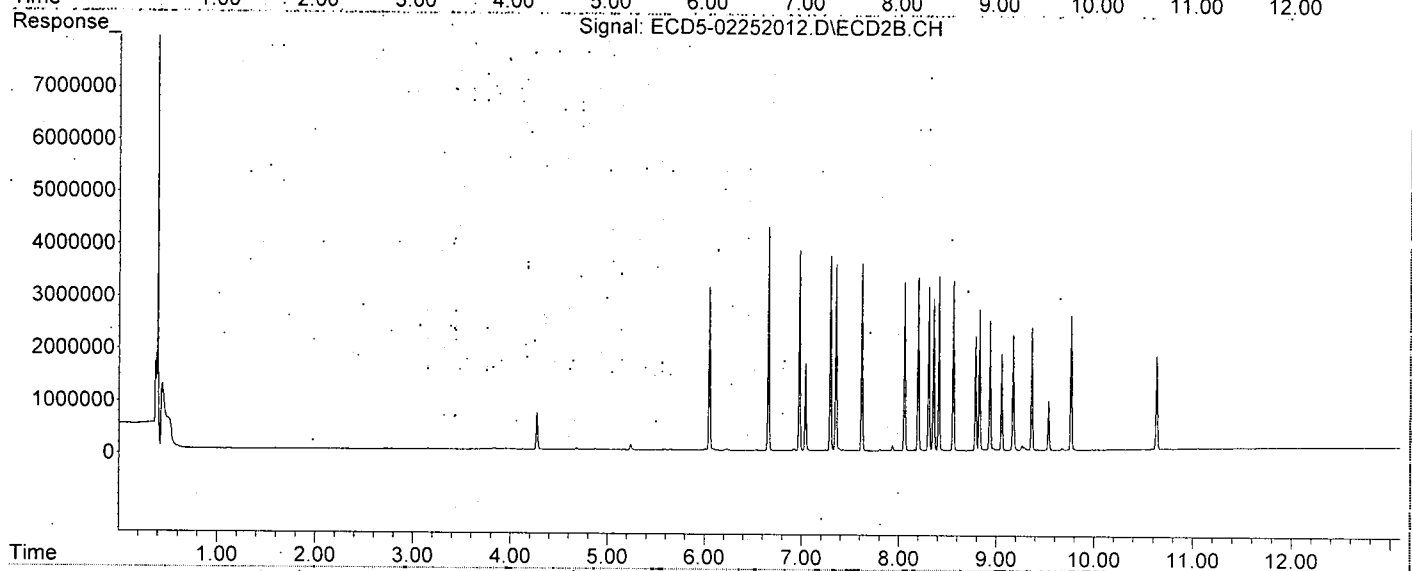
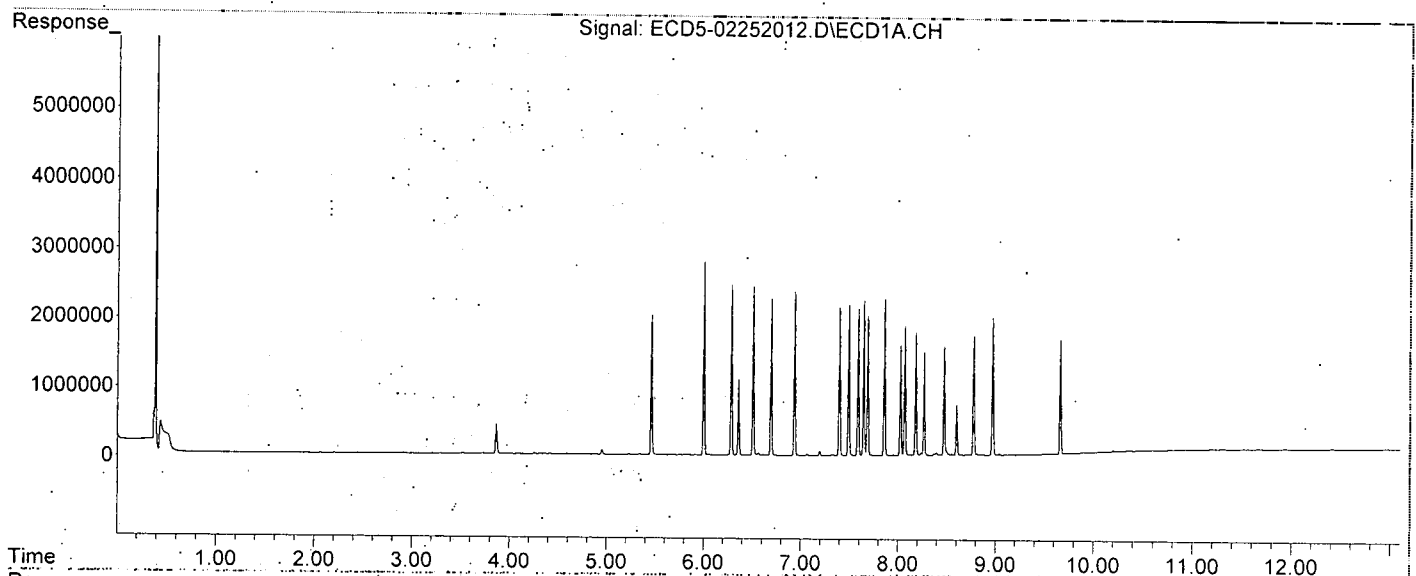
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 15:30
Operator : MJB
Sample : 0B25043-CAL5
Misc : A19K131, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:48:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252013.D
 Signal(s) : Signal #1: ECD1A.CH ; Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:47
 Operator : MJB
 Sample : 0B25043-CAL6
 Misc : A19K132, AB 25 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:39 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
----------	------	------	--------	--------	-------	-------

System Monitoring Compounds

1) S TCMX (S)	5.459	6.048	4871536	7818668	22.666	22.702
22) S DCBP (S)	9.661	10.633	3610372	4340907	22.734	22.382

Target Compounds

2) a-BHC	6.000	6.656	6884847	11048670	24.090	24.410
3) g-BHC	6.283	6.975	5970280	9675514	23.653	23.677
4) b-BHC	6.357	7.037	2499762	3993135	23.233	23.540
5) Heptachlor	6.693	7.352	5347547	8492275	22.938	22.808
6) d-BHC	6.507	7.294	5689190	8941211	22.624	23.916
7) Aldrin	6.935	7.619	5742951	9148985	23.901	24.116
8) Heptachlo...	7.397	8.057	5260106	7997772	23.367	23.182
9) trans-Chl...	7.492	8.197	5366296	8352508	23.583	23.631
10) cis-Chlor...	7.589	8.305	5066990	7833062	22.929	23.491
11) Endosulfa...	7.688	8.356	4717875	7248567	22.907	23.355
12) 4,4'-DDE	7.647	8.409	5348124	8455231	23.724	24.779
13) Dieldrin	7.859	8.558	5269648	8227724	22.865	23.753
14) Endrin	8.025	8.786	3796982	5486337	22.908	24.125
15) 4,4'-DDD	8.069	8.826	4106399	6277761	22.038	23.171
16) Endosulfa...	8.182	8.933	3837705	5738244	22.687	23.083
17) 4,4'-DDT	8.267	9.054	3331009	4632719	23.146	23.976
18) Endrin Al...	8.472	9.170	3455529	5038314	22.685	22.727
19) Endosulfa...	8.775	9.360	3605036	5180877	22.651	23.012
20) Methoxychlor	8.601	9.532	1638952	2187472	22.828	22.917
21) Endrin Ke...	8.970	9.763	4404291	5980624	22.914	23.158
23) Hexachlor...	3.286f	0.000	4871	0	0.022	N.D. #
24) Hexachlor...	5.841	6.532	9778	7921	0.043	0.022 #
25) Oxychlorane	7.332	7.979	26074	10192	0.130	0.033 #
26) 2,4'-DDE	7.397	8.197	5260106	8352508	34.484	35.484
27) trans-Non...	7.589	8.258	5066990	28412	22.621	0.083 #
28) 2,4'-DDD	7.773	8.558	9245	8227724	0.067	39.384 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:47
 Operator : MJB
 Sample : 0B25043-CAL6
 Misc : A19K132, AB 25 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:39 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.954	8.786	17098	5486337	0.132	30.665 #
30) cis-Nonac...	8.069	8.826	4106399	6277761	16.405	16.716
31) Mirex	8.711	9.763	35541	5980624	0.025	30.312 #
32) Chlordane...	7.492	8.197	5366296	8352508	216.273	196.811
33) Chlordane...	7.589	8.305	5066990	7833062	183.999	223.053
34) Chlordane...	8.123	8.933f	63029	5738244	8.411	532.962 #
35) Chlordane...	3.745	0.000	8012	0	NoCal	N.D.
36) Toxaphene...	7.589f	8.558f	5066990	8227724	4778.280	2909.815 #
37) Toxaphene...	7.859	0.000	5269648	0	2675.497	N.D. #
38) Toxaphene...	8.182	8.933	3837705	5738244	954.882	999.409
39) Toxaphene...	8.396	9.013f	130957	94080	33.517	10.173 #
40) Toxaphene...	8.652	9.170	19289	5038314	6.394	993.325 #
41) Toxaphene...	8.711	9.532	35541	2187472	9.012	409.530 #
42) Toxaphene...	3.745	0.000	8012	0	NoCal	N.D.

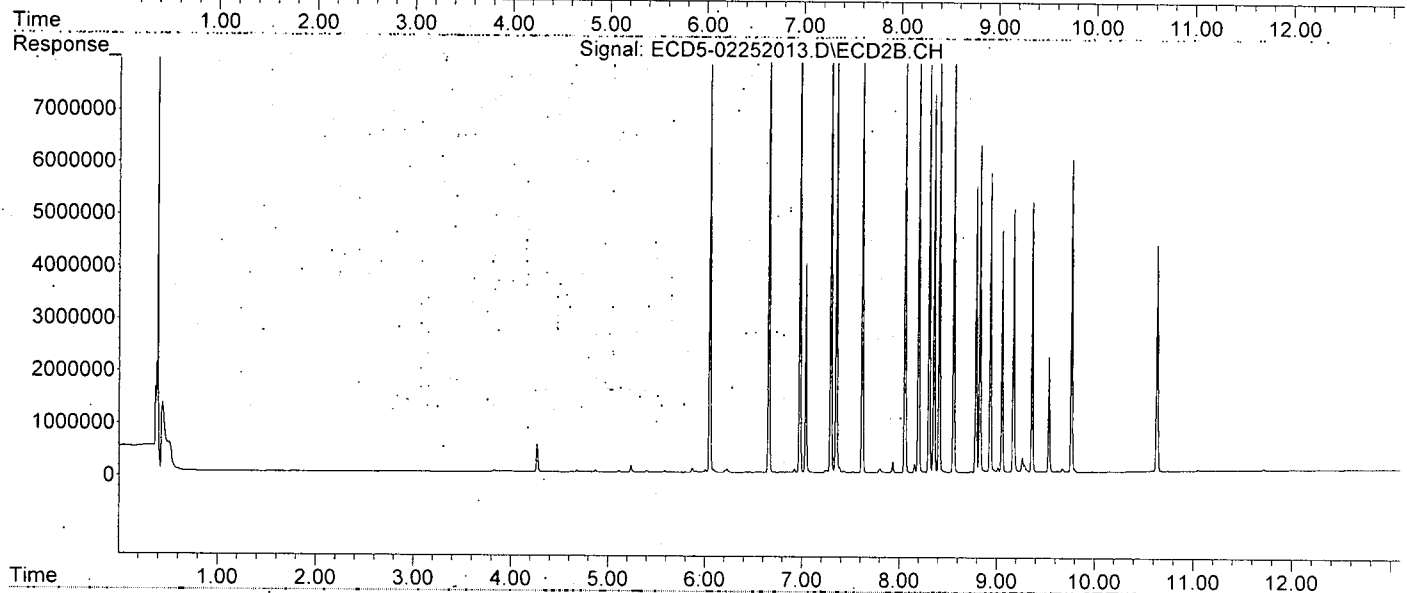
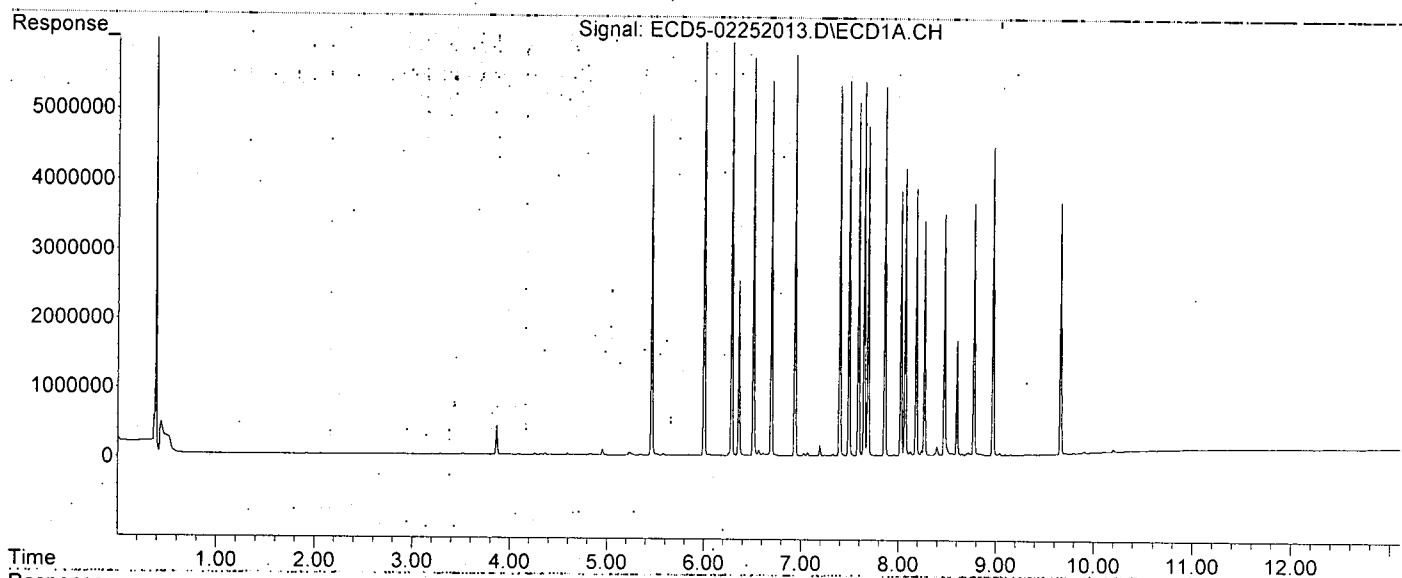
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 15:47
Operator : MJB
Sample : 0B25043-CAL6
Misc : A19K132, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:48:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation : 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:05
 Operator : MJB
 Sample : 0B25043-CAL7
 Misc : A19K133, AB 50 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.047	10731650	17822263	49.932	51.747
22) S DCBP (S)	9.660	10.633	8305607	9791773	52.488	50.486

Target Compounds

2) a-BHC	5.999	6.656	15209025	25650670	53.216	54.591
3) g-BHC	6.282	6.975	13363469	22622161	52.943	55.358
4) b-BHC	6.356	7.037	5581996	9127826	52.230	53.211
5) Heptachlor	6.692	7.351	12085740	19987480	51.841	53.681
6) d-BHC	6.507	7.293	12889590	21243835	51.257	54.616
7) Aldrin	6.934	7.618	12716308	20698030	52.923	54.558
8) Heptachlo...	7.396	8.057	11335290	18112331	50.354	52.500
9) trans-Chl...	7.490	8.197	11763747	19071430	51.698	53.957
10) cis-Chlor...	7.588	8.305	11462285	17623386	51.869	52.852
11) Endosulfa...	7.686	8.356	10328433	16390492	50.148	52.811
12) 4,4'-DDE	7.646	8.409	12232629	18984564	54.263	53.995
13) Dieldrin	7.858	8.558	11964598	18957252	51.913	54.728
14) Endrin	8.024	8.786	8611621	12598924	51.957	53.020
15) 4,4'-DDD	8.068	8.826	9813457	15132504	52.666	53.708
16) Endosulfa...	8.181	8.933	8825451	13529606	52.129	52.632
17) 4,4'-DDT	8.266	9.054	8101008	11817676	54.375	56.197
18) Endrin Al...	8.472	9.170	7801382	12137225	51.723	53.478
19) Endosulfa...	8.774	9.360	8174428	12031401	51.605	52.188
20) Methoxychlor	8.600	9.532	3829989	5539365	52.147	54.527
21) Endrin Ke...	8.969	9.763	9941349	14032758	51.452	52.510
23) Hexachlor...	3.285f	3.697f	5450	4498	0.025	0.010 #
24) Hexachlor...	5.840	6.531	19387	10626	0.086	0.029 #
25) Oxychlorane	7.331	7.979	56696	21138	0.283	0.069 #
26) 2,4'-DDE	7.396	8.197	11335290	19071430	74.311	81.021
27) trans-Non...	7.588	8.258	11462285	56362	51.172	0.166 #
28) 2,4'-DDD	7.772	8.558	21657	18957252	0.158	90.744 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:05
 Operator : MJB
 Sample : 0B25043-CAL7
 Misc : A19K133, AB 50 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.953	8.786	39287	12598924	0.304	64.994 #
30) cis-Nonac...	8.068	8.826	9813457	15132504	39.204	40.294
31) Mirex	8.724	9.763	63101	14032758	0.221	68.867 #
32) Chlordane...	7.490	8.197	11763747	19071430	474.104	449.383
33) Chlordane...	7.588	8.305	11462285	17623386	416.232	501.841
34) Chlordane...	8.121	8.933f	81501	13529606	10.876	1256.615 #
35) Chlordane...	3.740f	0.000	5896	0	NoCal	N.D.
36) Toxaphene...	7.588f	8.558f	11462285	18957252	10809.181	6704.418 #
37) Toxaphene...	7.858	0.000	11964598	0	6074.646	N.D. #
38) Toxaphene...	8.181	8.933	8825451	13529606	2195.912	2356.402
39) Toxaphene...	8.395	9.012f	277232	115702	70.954	12.511 #
40) Toxaphene...	8.653	9.170	44130	12137225	14.628	2392.905 #
41) Toxaphene...	8.724	9.532	63101	5539365	16.000	1037.059 #
42) Toxaphene...	3.740	0.000	5896	0	NoCal	N.D.

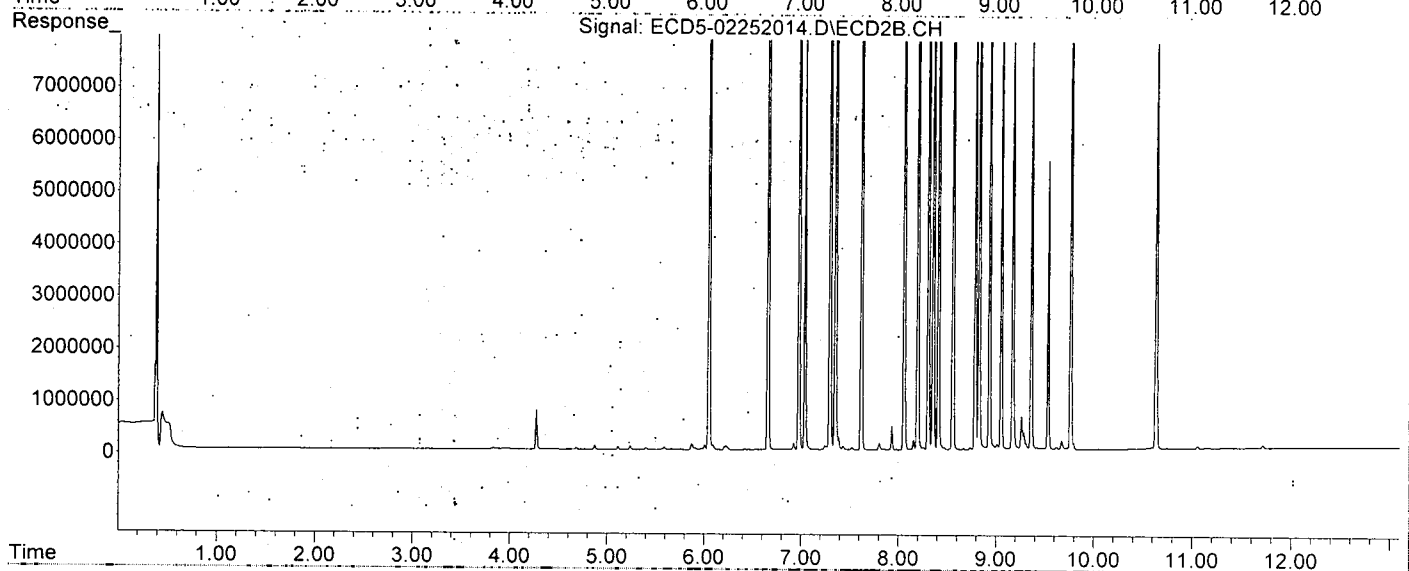
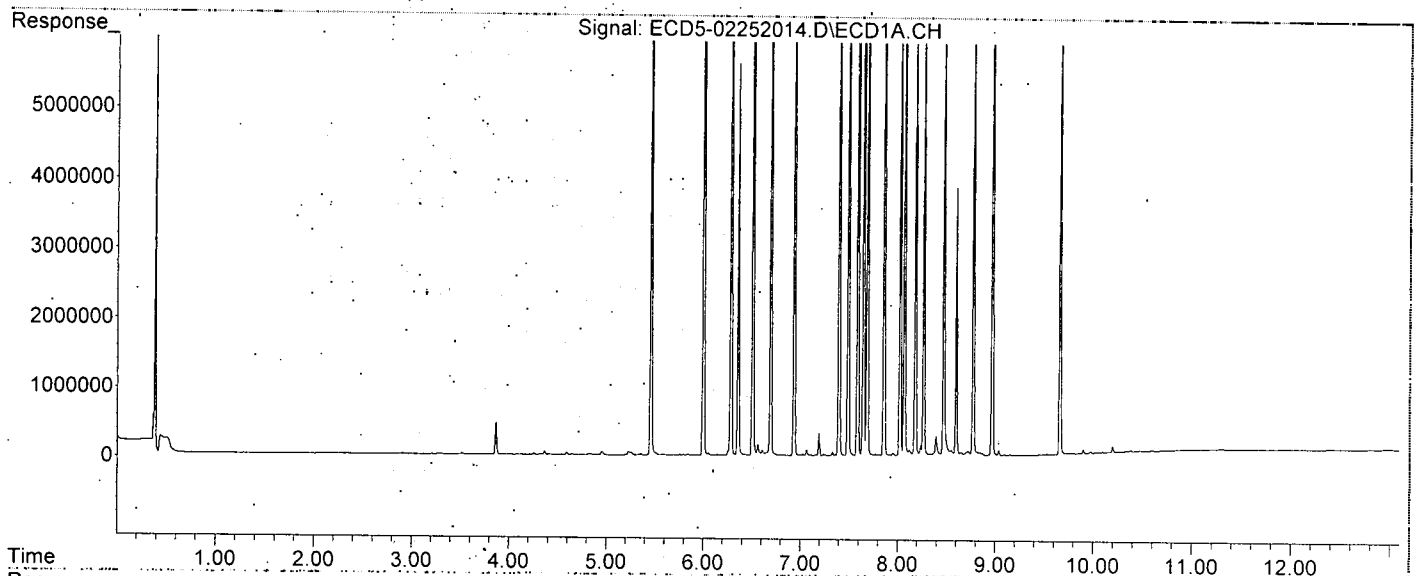
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 16:05
Operator : MJB
Sample : 0B25043-CAL7
Misc : A19K133, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:48:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:22
 Operator : MJB
 Sample : 0B25043-CAL8
 Misc : A19K134, AB 100 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.048	21812121	37410091	101.487	108.621
22) S DCBP (S)	9.660	10.633	16911120	20337985	106.616	104.862

Target Compounds

2) a-BHC	6.000	6.657	30891885	54162670	108.089	108.278
3) g-BHC	6.283	6.976	26681791	46224455	105.707	113.115
4) b-BHC	6.357	7.037	11148406	18765906	104.921	106.650
5) Heptachlor	6.692	7.352	24700924	42307878	105.953	113.628
6) d-BHC	6.507	7.294	25693757	45122745	102.175	108.394
7) Aldrin	6.934	7.619	25784012	42911687	107.308	113.111
8) Heptachlo...	7.396	8.057	23172462	38728026	102.937	112.257
9) trans-Chl...	7.490	8.198	23799233	39546171	104.591	111.885
10) cis-Chlor...	7.588	8.305	22990765	37388226	104.037	112.127
11) Endosulfa...	7.686	8.356	21108336	34479924	102.487	111.096
12) 4,4'-DDE	7.646	8.410	24348815	40494676	108.010	109.189
13) Dieldrin	7.858	8.558	24355805	40207008	105.678	116.075
14) Endrin	8.024	8.786	18020248	27530939	108.722	107.130
15) 4,4'-DDD	8.068	8.826	20044187	32957325	107.570	109.308
16) Endosulfa...	8.180	8.933	18165481	29366432	106.251	107.064
17) 4,4'-DDT	8.266	9.054	16871387	25957678	107.065	109.128
18) Endrin Al...	8.471	9.170	16057739	25571934	106.694	106.941
19) Endosulfa...	8.774	9.361	17053641	25984775	106.977	106.661
20) Methoxychlor	8.600	9.533	8280893	12207611	107.516	108.759
21) Endrin Ke...	8.969	9.764	21026565	30840298	106.779	107.864
23) Hexachlor...	3.285f	3.698f	5643	6285	0.025	0.014 #
24) Hexachlor...	5.840	6.530	33974	12564	0.151	0.034 #
25) Oxychlorane	7.330	7.979	104417	32032	0.521	0.104 #
26) 2,4'-DDE	7.396	8.198	23172462	39546171	151.912	168.004
27) trans-Non...	7.588	8.258	22990765	101911	102.640	0.299 #
28) 2,4'-DDD	7.771	8.558	38972	40207008	0.284	192.461 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:22
 Operator : MJB
 Sample : 0B25043-CAL8
 Misc : A19K134, AB 100 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:48:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.952	8.786	73719	27530939	0.570	125.189 #
30) cis-Nonac...	8.068	8.826	20044187	32957325	80.076	87.757
31) Mirex	8.722	9.764	114976	30840298	0.589	142.197 #
32) Chlordane...	7.490	8.198	23799233	39546171	959.160	931.832
33) Chlordane...	7.588	8.305	22990765	37388226	834.869	1064.661 #
34) Chlordane...	8.118	8.933f	109025	29366432	14.549	2727.523 #
35) Chlordane...	3.744	0.000	5624	0	NoCal	N.D.
36) Toxaphene...	7.588f	8.558f	22990765	40207008	21680.785	14219.603 #
37) Toxaphene...	7.858	0.000	24355805	0	12365.890	N.D. #
38) Toxaphene...	8.180	8.933	18165481	29366432	4519.860	5114.645
39) Toxaphene...	8.395	9.011f	531574	155182	136.049	16.780 #
40) Toxaphene...	8.655	9.170	83844	25571934	27.793	5041.613 #
41) Toxaphene...	8.722	9.533	114976	12207611	29.154	2285.462 #
42) Toxaphene...	3.744	0.000	5624	0	NoCal	N.D.

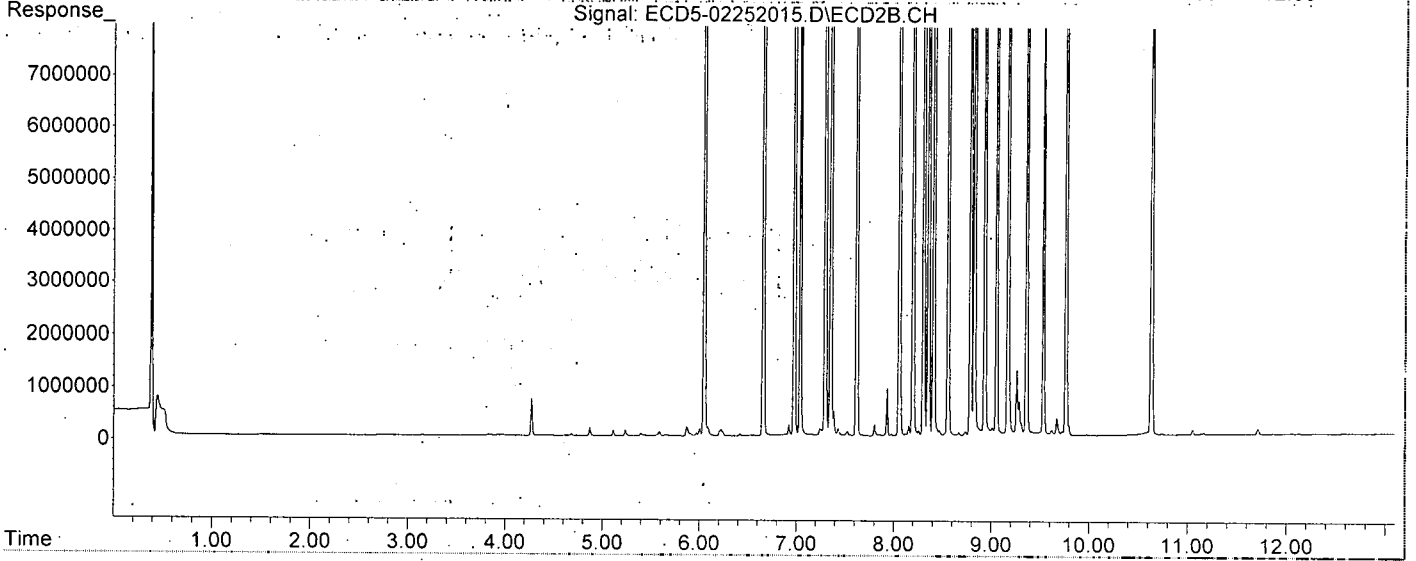
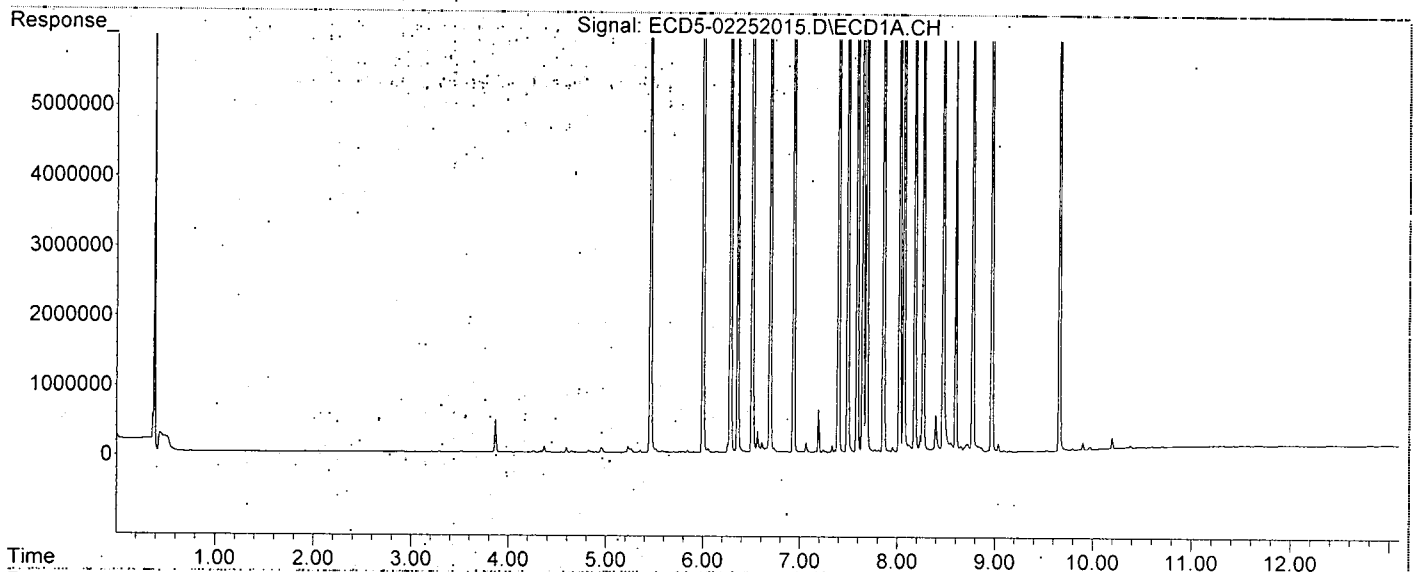
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 16:22
Operator : MJB
Sample : 0B25043-CAL8
Misc : A19K134, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:48:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update: Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:39
 Operator : MJB
 Sample : 0B25043-CAL9
 Misc : A19K126, AB 200 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:49:09 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.460	6.050	40716076	70148935	189.443	203.679
22) S DCBP (S)	9.661	10.634	30862270	38926681	193.289	200.704

Target Compounds

2) a-BHC	6.001	6.659	56746220	104.1E6	198.553	190.383
3) g-BHC	6.284	6.977	49429525	89110852	195.828	218.061
4) b-BHC	6.358	7.038	20521194	35323697	194.607	192.615
5) Heptachlor	6.694	7.353	45923221	80078866	196.984	215.072
6) d-BHC	6.508	7.296	48803999	87313309	194.076	190.524
7) Aldrin	6.935	7.620	46568890	82680029	193.810	217.936
8) Heptachlo...	7.397	8.059	42132464	73235301	187.162	212.279
9) trans-Chl...	7.491	8.199	44311155	74026356	194.735	209.436
10) cis-Chlor...	7.588	8.307	41893394	70044392	189.574	210.062
11) Endosulfa...	7.687	8.357	38537479	65130641	187.111	209.853
12) 4,4'-DDE	7.647	8.411	44300571	75526792	196.516	189.402
13) Dieldrin	7.859	8.559	44296283	75535999	192.198	218.067
14) Endrin	8.024	8.787	33762704	55483131	203.702	192.834
15) 4,4'-DDD	8.069	8.827	36440139	63046425	195.562	190.782
16) Endosulfa...	8.181	8.934	33764297	58469099	193.908	193.502
17) 4,4'-DDT	8.267	9.056	32909669	53209539	191.956	190.096
18) Endrin Al...	8.472	9.172	29251534	50169608	194.015	193.190
19) Endosulfa...	8.775	9.362	31315454	51500488	193.602	193.944
20) Methoxychlor	8.601	9.534	15999083	24607594	193.439	191.457
21) Endrin Ke...	8.970	9.765	39463917	60793634	194.107	192.909
23) Hexachlor...	3.285f	3.699f	4931	6929	0.022	0.016 #
24) Hexachlor...	5.841	6.530	57585	12003	0.256	0.033 #
25) Oxychlorane	7.331	7.980	181266	56785	0.905	0.185 #
26) 2,4'-DDE	7.397	8.199	42132464	74026356	276.208	314.486
27) trans-Non...	7.588	8.258	41893394	170355	187.030	0.501 #
28) 2,4'-DDD	7.772	8.559	61758	75535999	0.451	361.572 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:39
 Operator : MJB
 Sample : 0B25043-CAL9
 Misc : A19K126, AB 200 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:49:09 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.952	8.787	129263	55483131	1.000	214.566 #
30) cis-Nonac...	8.069	8.827	36440139	63046425	145.577	167.878
31) Mirex	8.723	9.765	184792	60793634	1.084	255.979 #
32) Chlordane...	7.491	8.199	44311155	74026356	1785.835	1744.293
33) Chlordane...	7.588	8.307	41893394	70044392	1521.284	1994.573 #
34) Chlordane...	8.118	8.934f	166286	58469099	22.190	5430.548 #
35) Chlordane...	3.739f	0.000	4905	0	NoCal	N.D.
36) Toxaphene...	7.588f	8.559f	41893394	75535999	39506.369	26714.047 #
37) Toxaphene...	7.859	0.000	44296283	0	22490.037	N.D. #
38) Toxaphene...	8.181	8.934	33764297	58469099	8401.093	10183.351
39) Toxaphene...	8.395	9.012f	915146	238752	234.220	25.817 #
40) Toxaphene...	8.655	9.172	139091	50169608	46.106	9891.148 #
41) Toxaphene...	8.723	9.534	184792	24607594	46.857	4606.939 #
42) Toxaphene...	3.739	0.000	4905	0	NoCal	N.D.

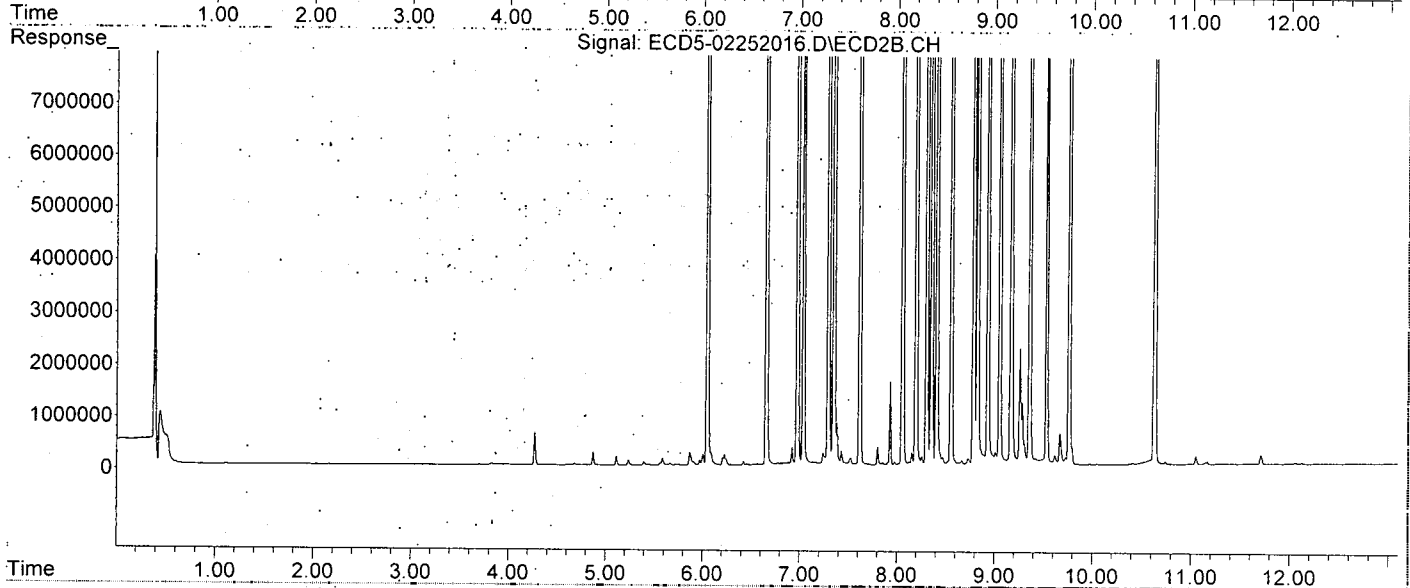
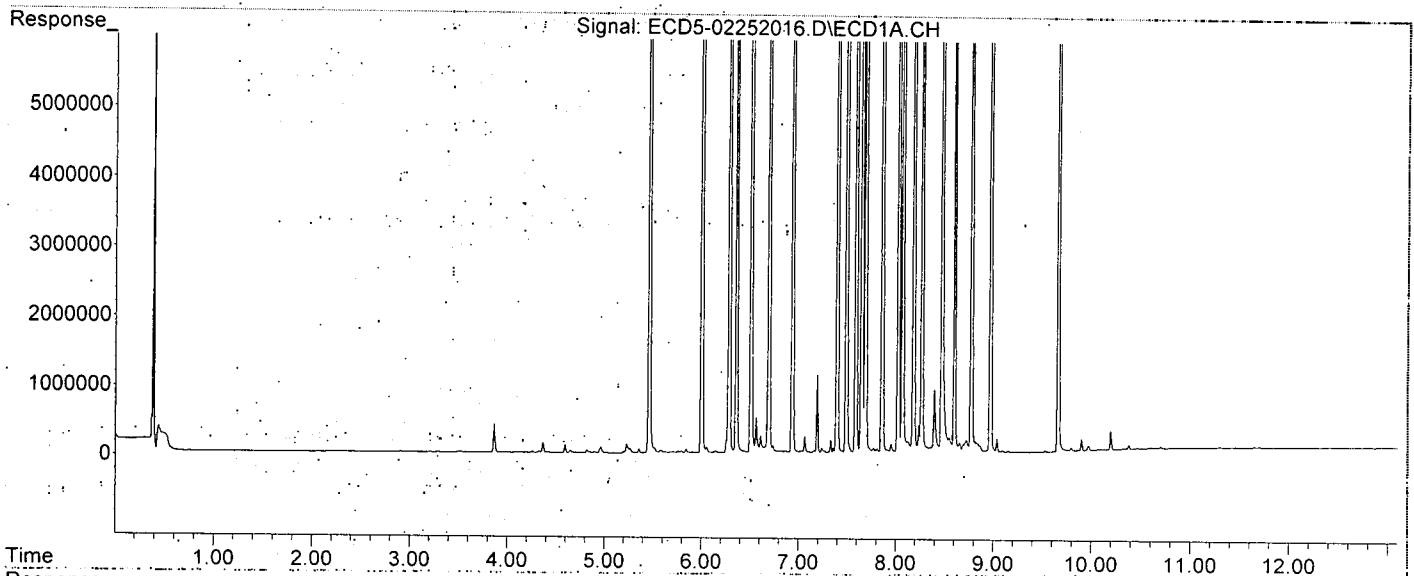
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 16:39
Operator : MJB
Sample : 0B25043-CAL9
Misc : A19K126, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:49:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info: 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.051	0	6467	N.D.	0.019 #
22) S DCBP (S)	9.660	0.000	10695	0	BelowCal	N.D.

Target Compounds

2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.347	7.037	8094	6668	13405.824	BelowCal #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.294	18403	25220	0.073	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.397	0.000	82916	0	0.368	N.D. #
9) trans-Chl...	7.492	8.188	3069	121631	0.013	0.344 #
10) cis-Chlor...	7.580	0.000	125622	0	0.568	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.860	8.562	4511	112451	0.020	0.325 #
14) Endrin	8.051f	8.788	133571	79209	0.806	0.330 #
15) 4,4'-DDD	8.051	8.828	133571	183369	0.717	0.693
16) Endosulfa...	8.183	8.934	18054	23711	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.474	9.171	47311	62151	BelowCal	BelowCal
19) Endosulfa...	8.775	9.361	40566	58071	BelowCal	BelowCal
20) Methoxychlor	8.604	9.501f	945	50461	BelowCal	0.514
21) Endrin Ke...	8.970	9.758	22603	204569	BelowCal	0.629
23) Hexachlor...	3.261	3.735	117932	219919	0.531	0.505
24) Hexachlor...	5.840	6.516	129074	201711	0.574	0.552
25) Oxychlorane	7.324	7.985	116445	166729	0.581	0.543
26) 2,4'-DDE	7.397	8.188	82916	121631	0.544	0.517
27) trans-Non...	7.580	8.260	125622	177493	0.561	0.522
28) 2,4'-DDD	7.770	8.562	76012	112451	0.555	0.538

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.953	8.788	63598	79209	0.492	0.509
30) cis-Nonac...	8.051	8.828	133571	183369	0.534	0.488
31) Mirex	8.721	9.758	99990	120338	0.483	0.474m
32) Chlordane...	7.492	8.188	3069	121631	0.124	2.866 #
33) Chlordane...	7.580	0.000	125622	0	4.562	N.D. #
34) Chlordane...	0.000	8.971	0	23963	N.D.	2.226 #
35) Chlordane...	3.740f	3.735	5477	219919	NoCal	NoCal
36) Toxaphene...	7.580	8.562f	125622	112451	118.464	39.769 #
37) Toxaphene...	7.860	8.914f	4511	8739	2.290	2.519
38) Toxaphene...	8.183	8.914	18054	8739	4.492	1.522 #
39) Toxaphene...	8.377f	8.971	17106	23963	4.378	2.591 #
40) Toxaphene...	8.604f	9.171	945	62151	0.313	12.253 #
41) Toxaphene...	8.721	0.000	99990	0	25.354	N.D. #
42) Toxaphene...	3.740	3.735	5477	219919	NoCal	NoCal

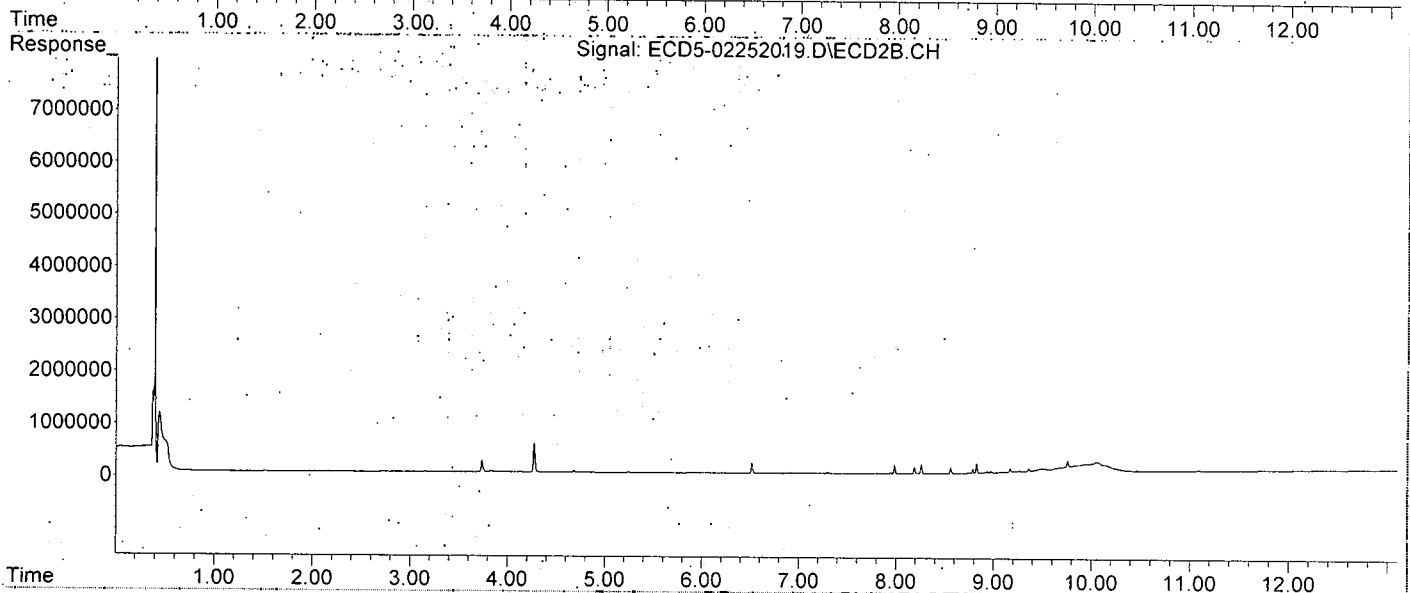
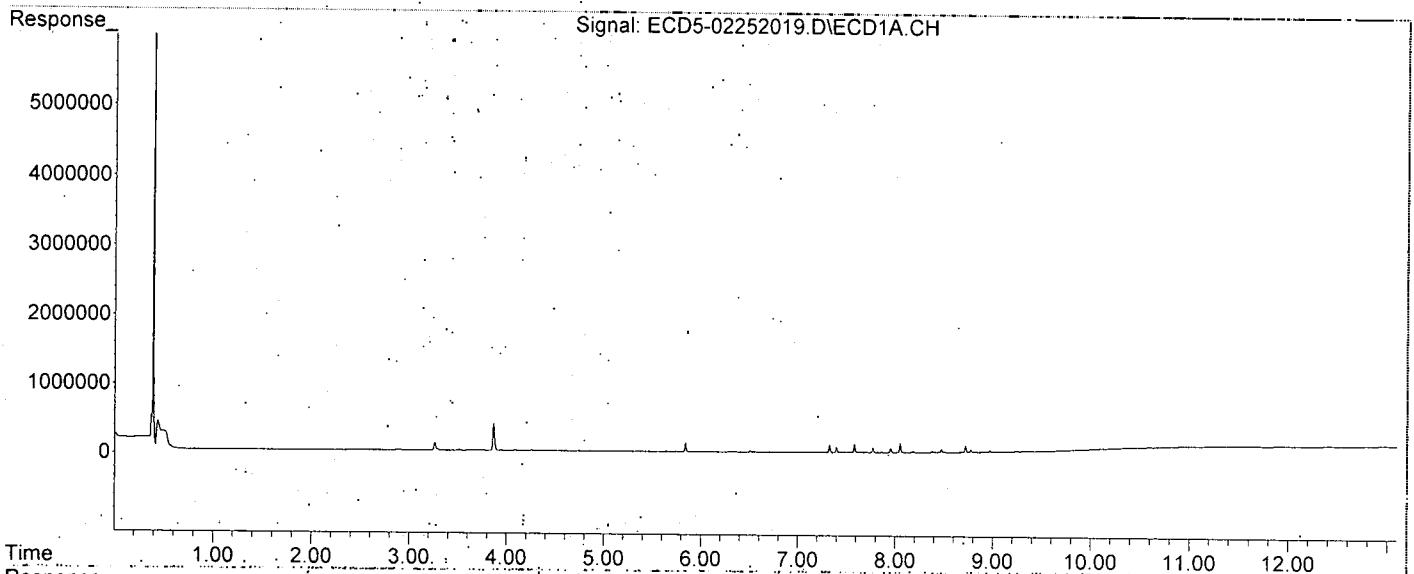
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation. 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

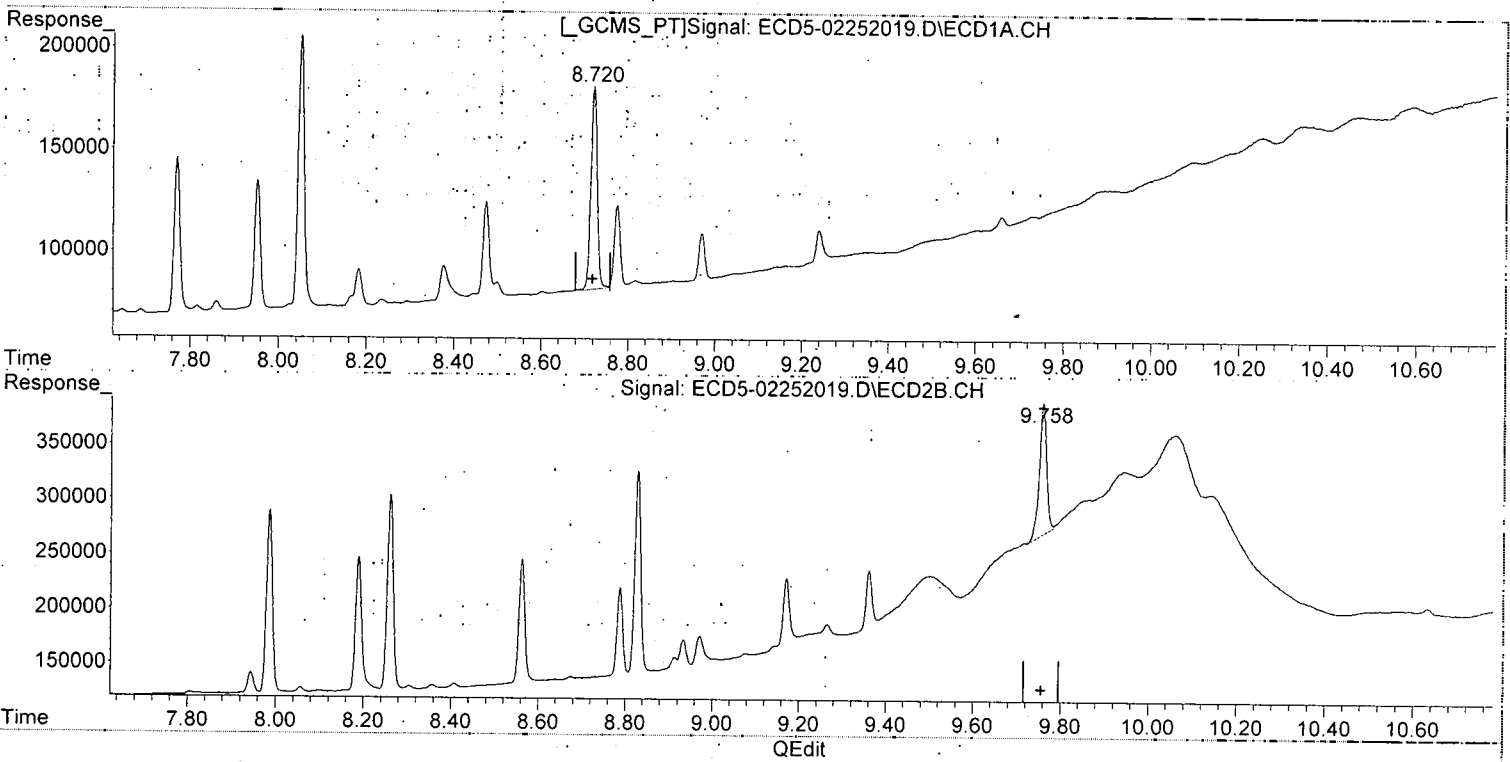


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:49:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(31) Mirex
8.721min 0.483 ng/mL
response 99990

MJB
2/26/20

(31) Mirex #2
9.758min 0.474 ng/mL (m)
response 120338

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:49:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MS

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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*MJB
2/24/20*

System Monitoring Compounds

1) S TCMX (S)	0.000	6.051	0	6467	N.D.	0.019 #
22) S DCBP (S)	9.660	0.000	10695	0	BelowCal	N.D.

Target Compounds

2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.347	7.037	8094	6668	13405.824	BelowCal #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.294	18403	25220	0.073	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.397	0.000	82916	0	0.368	N.D. #
9) trans-Chl...	7.492	8.188	3069	121631	0.013	0.344 #
10) cis-Chlor...	7.580	0.000	125622	0	0.568	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.860	8.562	4511	112451	0.020	0.325 #
14) Endrin	8.051f	8.788	133571	79209	0.806	0.330 #
15) 4,4'-DDD	8.051	8.828	133571	183369	0.717	0.693
16) Endosulfa...	8.183	8.034	18054	23711	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.474	9.171	47311	62151	BelowCal	BelowCal
19) Endosulfa...	8.775	9.361	40566	58071	BelowCal	BelowCal
20) Methoxychlor	8.604	9.501f	945	50461	BelowCal	0.514
21) Endrin Ke...	8.970	9.758	22603	204569	BelowCal	0.629
23) Hexachlor...	3.261	3.735	117932	219919	0.531	0.505
24) Hexachlor...	5.840	6.516	129074	201711	0.574	0.552
25) Oxychlorane	7.324	7.985	116445	166729	0.581	0.543
26) 2,4'-DDE	7.397	8.188	82916	121631	0.544	0.517
27) trans-Non...	7.580	8.260	125622	177493	0.561	0.522
28) 2,4'-DDD	7.770	8.562	76012	112451	0.555	0.538

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig.#1); 0 (Sig.#2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:49:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.953	8.788	63598	79209	0.492	0.509
30)	cis-Nonac...	8.051	8.828	133571	183369	0.534	0.488
31)	Mirex	8.721	9.758	99990	204569	0.483	0.915 #
32)	Chlordane...	7.492	8.188	3069	121631	0.124	2.866 #
33)	Chlordane...	7.580	0.000	125622	0	4.562	N.D. #
34)	Chlordane...	0.000	8.971	0	23963	N.D.	2.226 #
35)	Chlordane...	3.740f	3.735	5477	219919	NoCal	NoCal
36)	Toxaphene...	7.580	8.562f	125622	112451	118.464	39.769 #
37)	Toxaphene...	7.860	8.914f	4511	8739	2.290	2.519
38)	Toxaphene...	8.183	8.914	18054	8739	4.492	1.522 #
39)	Toxaphene...	8.377f	8.971	17106	23963	4.378	2.591 #
40)	Toxaphene...	8.604f	9.171	945	62151	0.313	12.253 #
41)	Toxaphene...	8.721	0.000	99990	0	25.354	N.D. #
42)	Toxaphene...	3.740	3.735	5477	219919	NoCal	NoCal

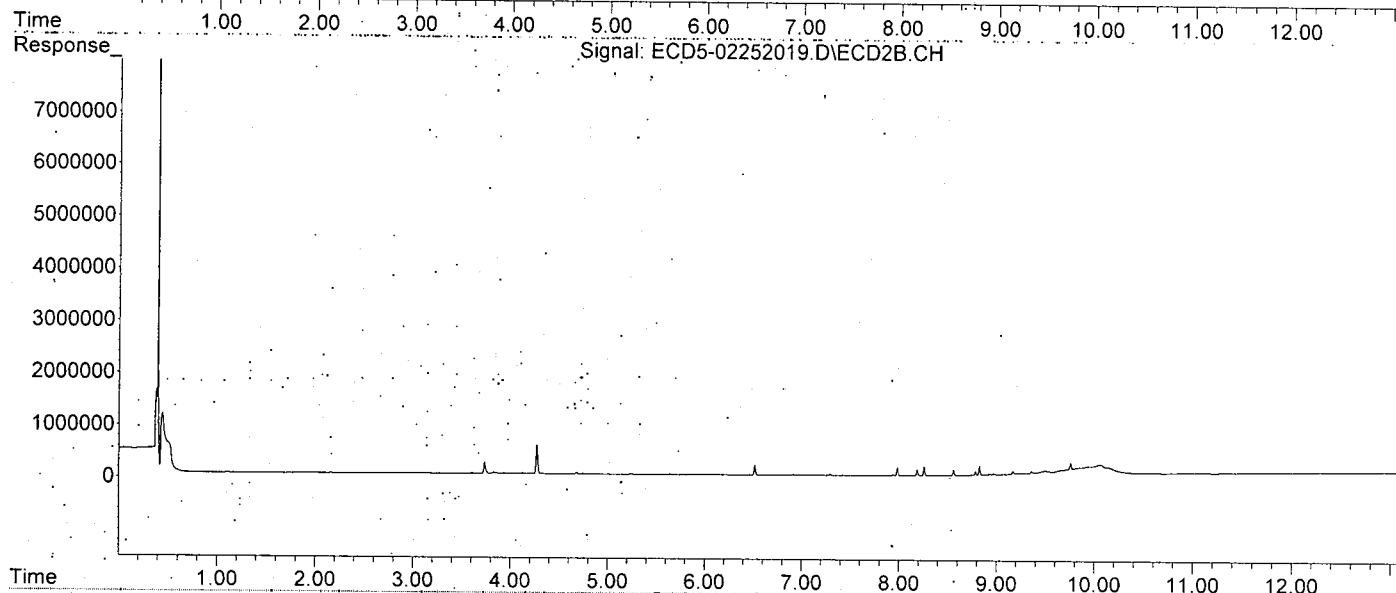
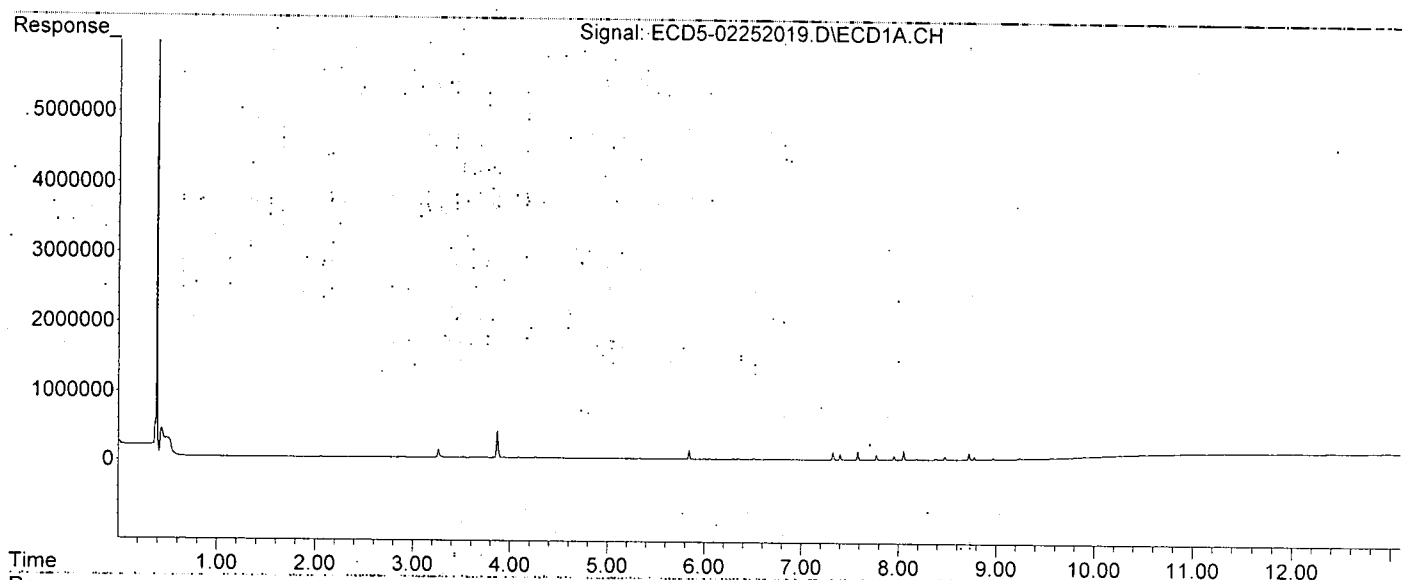
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:49:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:47
 Operator : MJB
 Sample : 0B25043-CALB
 Misc : A19K263, 9-42 1 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.052	0	10890	N.D.	0.032 #
22) S DCBP (S)	9.661	10.634	3367	4890	BelowCal	0.025

Target Compounds

2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.345	0.000	8729	0	13405.818	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.293	14516	19140	0.058	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.396	0.000	162790	0	0.723	N.D. #
9) trans-Chl...	7.491	8.188	3729	234158	0.016	0.662 #
10) cis-Chlor...	7.579	0.000	236653	0	1.071	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.859	8.561	4161	217911	0.018	0.629 #
14) Endrin	8.050f	8.787	260805	155855	1.574	0.681 #
15) 4,4'-DDD	8.050	8.828	260805	370083	1.400	1.402
16) Endosulfa...	8.182	8.933	13995	18673	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.473	9.170	33663	46736	BelowCal	BelowCal
19) Endosulfa...	8.775	9.361	28901	41084	BelowCal	BelowCal
20) Methoxychlor	0.000	9.543	0	2496	N.D.	BelowCal
21) Endrin Ke...	8.970	9.757	17479	239555	BelowCal	0.770
23) Hexachlor...	3.261	3.735	231018	429757	1.040	0.988
24) Hexachlor...	5.840	6.515	247315	381742	1.099	1.044
25) Oxychlordan	7.324	7.985	215837	307918	1.078	1.002
26) 2,4'-DDE	7.396	8.188	162790	234158	1.067	0.995
27) trans-Non...	7.579	8.260	236653	339792	1.057	0.999
28) 2,4'-DDD	7.769	8.561	147365	217911	1.076	1.043

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:47
 Operator : MJB
 Sample : 0B25043-CALB
 Misc : A19K263, 9-42 1 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.952	8.787	121988	155855	0.943	0.970
30) cis-Nonac...	8.050	8.828	260805	370083	1.042	0.985
31) Mirex	8.721	9.757	177415	239555	1.032	1.098
32) Chlordane...	7.491	8.188	3729	234158	0.150	5.517 #
33) Chlordane...	7.579	0.000	236653	0	8.594	N.D. #
34) Chlordane...	0.000	8.970	0	25817	N.D.	2.398 #
35) Chlordane...	0.000	3.735	0	429757	N.D.	NoCal
36) Toxaphene...	7.579	8.561f	236653	217911	223.169	77.066 #
37) Toxaphene...	7.859	8.913f	4161	9496	2.113	2.737 #
38) Toxaphene...	8.182	8.913	13995	9496	3.482	1.654 #
39) Toxaphene...	8.377f	8.970	15848	25817	4.056	2.792 #
40) Toxaphene...	0.000	9.170	0	46736	N.D.	9.214 #
41) Toxaphene...	8.721	9.543	177415	2496	44.987	0.467 #
42) Toxaphene...	0.000	3.735	0	429757	N.D.	NoCal

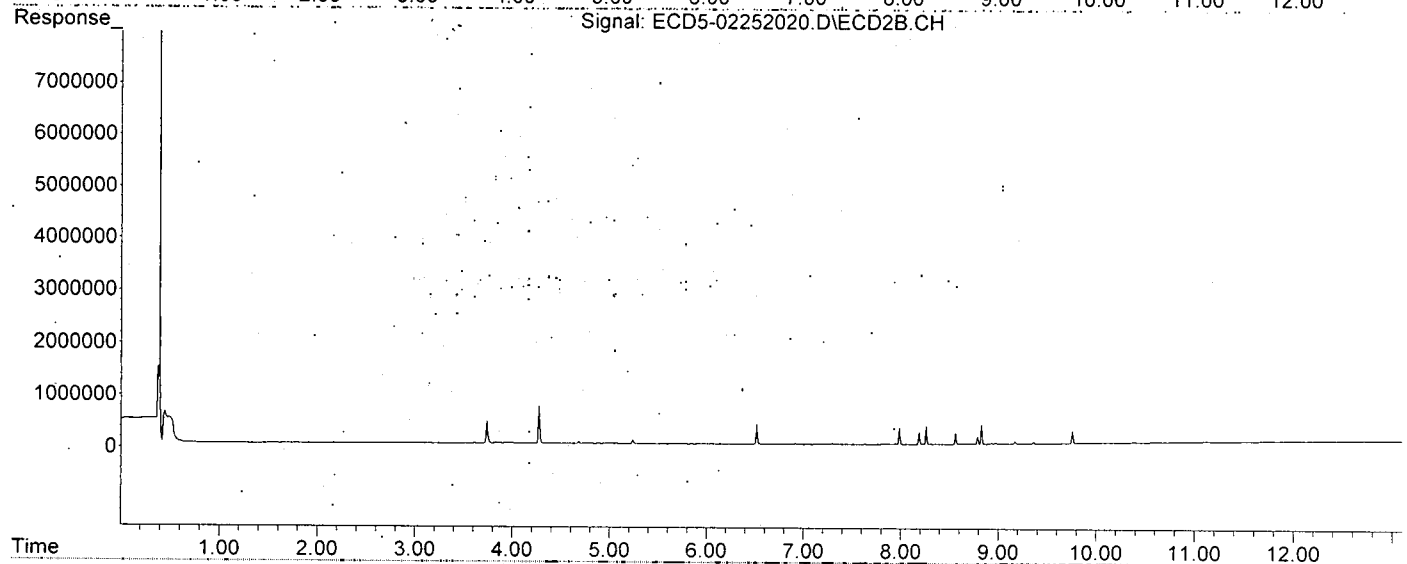
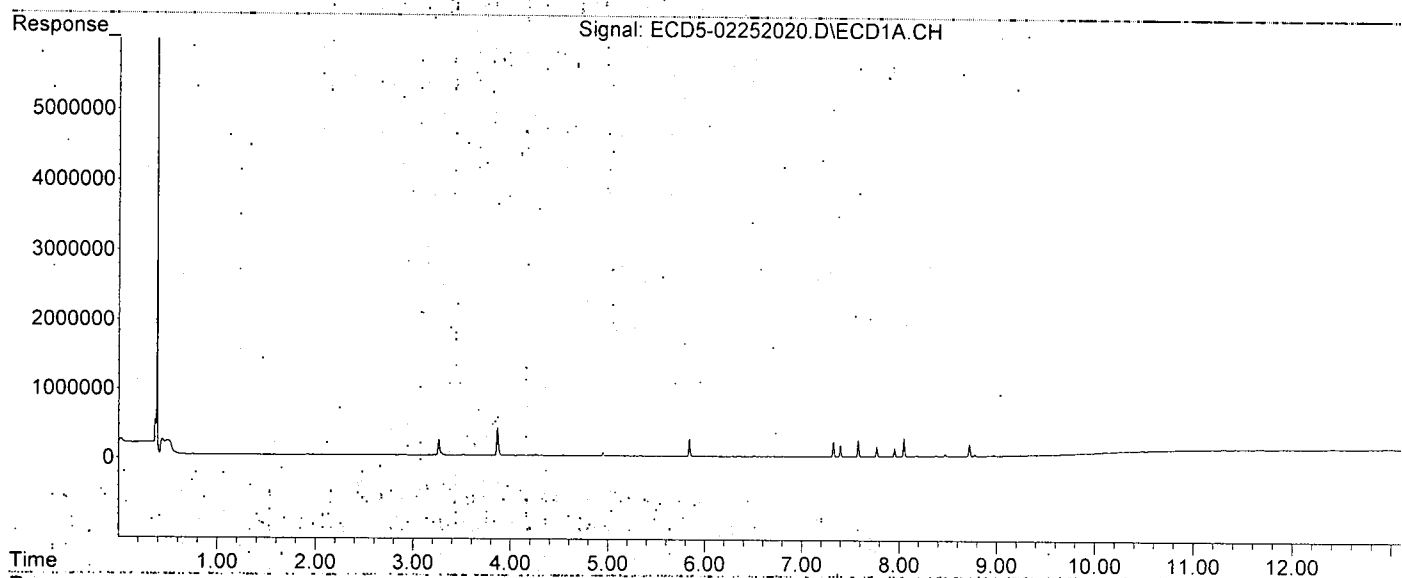
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:47
Operator : MJB
Sample : 0B25043-CALB
Misc : A19K263, 9-42 1 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:05
 Operator : MJB
 Sample : 0B25043-CALC
 Misc : A19K264, 9-42 2 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound RT#1 RT#2 Resp#1 Resp#2 ng/mL ng/mL

System Monitoring Compounds

1) S TCMX (S) 0.000 6.050 0 12575 N.D. 0.037 #
 22) S DCBP (S) 9.660 10.633 9374 2920 BelowCal 0.015

Target Compounds

2) a-BHC 0.000 0.000 0 0 N.D. N.D.
 3) g-BHC 0.000 0.000 0 0 N.D. N.D.
 4) b-BHC 6.343 0.000 9104 0 13405.814 N.D. #
 5) Heptachlor. 0.000 0.000 0 0 N.D. N.D.
 6) d-BHC 6.507 7.293 12929 17413 0.051 BelowCal #
 7) Aldrin 0.000 7.628 0 6457 N.D. 0.017 #
 8) Heptachlo... 7.396 0.000 308973 0 1.373 N.D. #
 9) trans-Chl... 7.490 8.187 5758 450716 0.025 1.275 #
 10) cis-Chlor... 7.579 0.000 451765 0 2.044 N.D. #
 11) Endosulfa... 0.000 0.000 0 0 N.D. N.D.
 12) 4,4'-DDE 0.000 0.000 0 0 N.D. N.D.
 13) Dieldrin 7.859 8.561 4695 402947 0.020 1.163 #
 14) Endrin 8.050f 8.787 494941 322849 2.986 1.442 #
 15) 4,4'-DDD 8.050 8.827 494941 704365 2.656 2.668
 16) Endosulfa... 8.183 8.933 11867 15681 BelowCal BelowCal
 17) 4,4'-DDT 8.235f 0.000 1932 0 0.005 N.D. #
 18) Endrin Al... 8.473 9.170 27086 36156 BelowCal BelowCal
 19) Endosulfa... 8.775 9.360 23762 32503 BelowCal BelowCal
 20) Methoxychlor 8.602 9.539 875 2704 BelowCal BelowCal
 21) Endrin Ke... 8.969 9.757 15092 427844 BelowCal 1.526
 23) Hexachlor... 3.261 3.735 456305 860733 2.054 1.978
 24) Hexachlor... 5.840 6.515 454930 716095 2.022 1.959
 25) Oxychlorane 7.323 7.985 404098 596146 2.018 1.940
 26) 2,4'-DDE 7.396 8.187 308973 450716 2.026 1.915
 27) trans-Non... 7.579 8.260 451765 659379 2.017 1.938
 28) 2,4'-DDD 7.769 8.561 278841 402947 2.035 1.929

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:05
 Operator : MJB
 Sample : 0B25043-CALC
 Misc : A19K264, 9-42 2 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.952	8.787	247235	322849	1.912	1.969
30) cis-Nonac...	8.050	8.827	494941	704365	1.977	1.876
31) Mirex	8.720	9.757	331292	427844	2.123	2.082
32) Chlordane...	7.490	8.187	5758	450716	0.232	10.620 #
33) Chlordane...	7.579	0.000	451765	0	16.405	N.D. #
34) Chlordane...	0.000	8.970	0	26889	N.D.	2.497 #
35) Chlordane...	3.743	3.735	3622	860733	NoCal	NoCal
36) Toxaphene...	7.579	8.561f	451765	402947	426.024	142.506 #
37) Toxaphene...	7.859	8.912f	4695	10222	2.384	2.946
38) Toxaphene...	8.183	8.912	11867	10222	2.953	1.780 #
39) Toxaphene...	8.376f	8.970	17053	26889	4.364	2.908 #
40) Toxaphene...	8.602f	9.170	875	36156	0.290	7.128 #
41) Toxaphene...	8.720	9.539	331292	2704	84.005	0.506 #
42) Toxaphene...	3.743	3.735	3622	860733	NoCal	NoCal

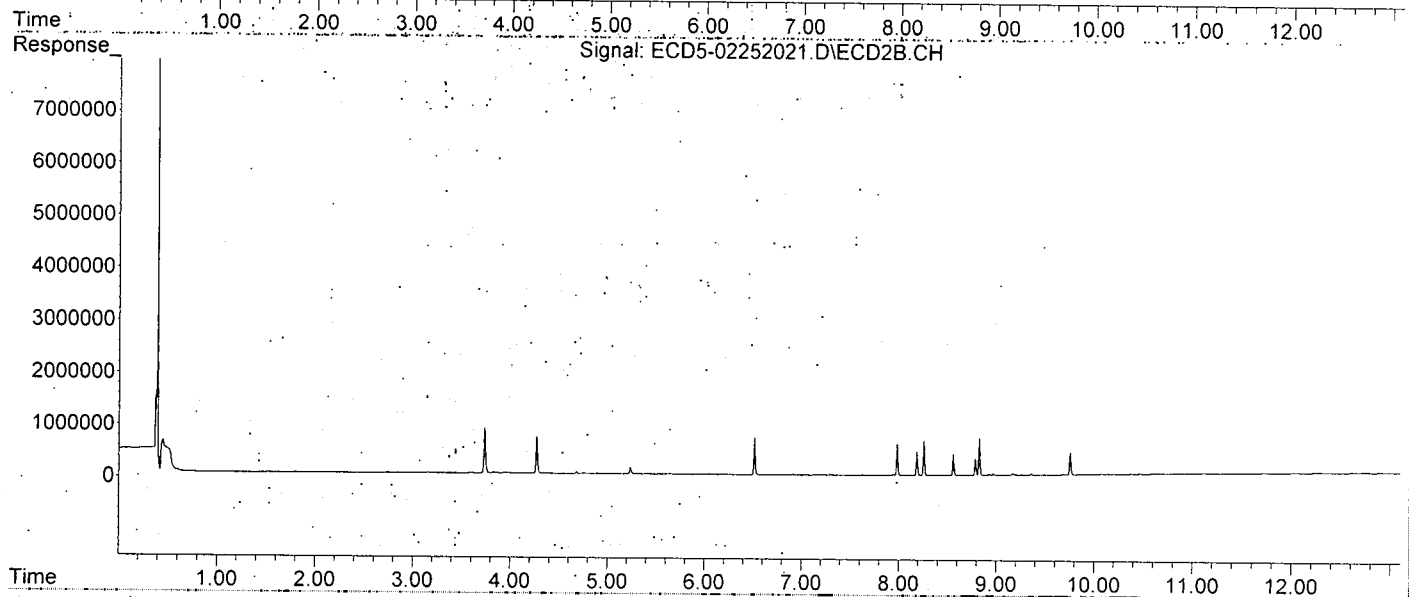
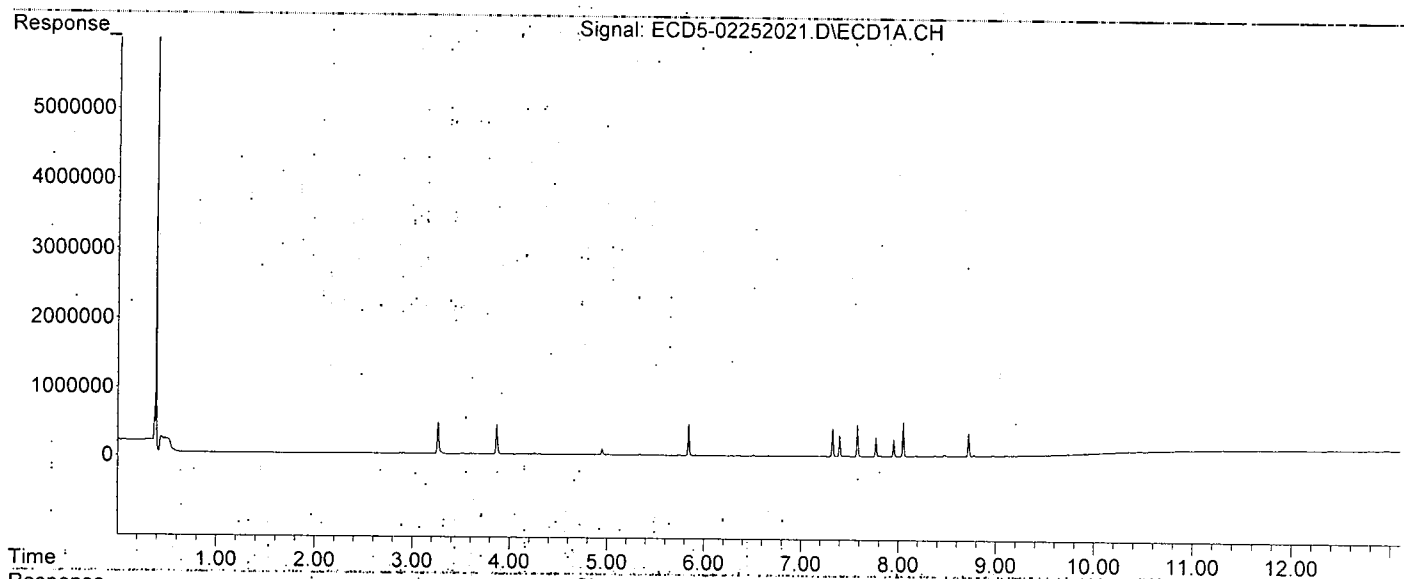
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:05
Operator : MJB
Sample : 0B25043-CALC
Misc : A19K264, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:22
 Operator : MJB
 Sample : 0B25043-CALD
 Misc : A19K265, 9-42 5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
 2/26/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.497f	6.051	11129	9006	0.052	0.026 #
22) S DCBP (S)	9.661	0.000	11298	0	BelowCal	N.D.

Target Compounds

2) a-BHC	5.994	0.000	4111	0	0.014	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.345	7.038	9190	6213	13405.814	BelowCal #
5) Heptachlor	6.692	0.000	2687	0	0.012	N.D. #
6) d-BHC	6.508	7.294	11802	16410	0.047	BelowCal #
7) Aldrin	0.000	7.628	0	14121	N.D.	0.037 #
8) Heptachlo...	7.396	8.056	784279	8197	3.484	0.024 #
9) trans-Chl...	7.490	8.187	12789	1172351	0.056	3.317 #
10) cis-Chlor...	7.579	8.304	1144259	8182	5.178	0.025 #
11) Endosulfa...	7.647f	0.000	3775	0	0.018	N.D. #
12) 4,4'-DDE	7.647	0.000	3775	0	0.017	N.D. #
13) Dieldrin	7.860	8.562	6410	1029786	0.028	2.973 #
14) Endrin	8.050f	8.787	1288124	853816	7.772	3.852 #
15) 4,4'-DDD	8.050	8.827	1288124	1876952	6.913	7.074
16) Endosulfa...	8.182	8.933	10564	13601	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.473	9.171	23454	32636	BelowCal	BelowCal
19) Endosulfa...	8.775	9.360	19865	26641	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.970	9.757	13054	1031368	BelowCal	3.940
23) Hexachlor...	3.261	3.735	1113082	2127786	5.010	4.889
24) Hexachlor...	5.840	6.516	1134739	1781991	5.043	4.875
25) Oxychlorane	7.324	7.985	1015651	1516690	5.071	4.936
26) 2,4'-DDE	7.396	8.187	784279	1172351	5.141	4.980
27) trans-Non...	7.579	8.260	1144259	1676451	5.108	4.927
28) 2,4'-DDD	7.769	8.562	710550	1029786	5.186	4.929

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:22
 Operator : MJB
 Sample : 0B25043-CALD
 Misc : A19K265, 9-42 5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.952	8.787	643652	853816	4.978	5.113
30)	cis-Nonac...	8.050	8.827	1288124	1876952	5.146	4.998
31)	Mirex	8.720	9.757	781249	1031368	5.310	5.223
32)	Chlordane...	7.490	8.187	12789	1172351	0.515	27.624 #
33)	Chlordane...	7.579	8.304	1144259	8182	41.552	0.233 #
34)	Chlordane...	0.000	8.971	0	25354	N.D.	2.355 #
35)	Chlordane...	3.746	3.735	4394	2127786	NoCal	NoCal
36)	Toxaphene...	7.579	8.562f	1144259	1029786	1079.060	364.194 #
37)	Toxaphene...	7.860	8.913f	6410	10159	3.254	2.928
38)	Toxaphene...	8.182	8.913	10564	10159	2.629	1.769 #
39)	Toxaphene...	8.377f	8.971	15788	25354	4.041	2.742 #
40)	Toxaphene...	0.000	9.171	0	32636	N.D.	6.434 #
41)	Toxaphene...	8.720	0.000	781249	0	198.099	N.D. #
42)	Toxaphene...	3.746	3.735	4394	2127786	NoCal	NoCal

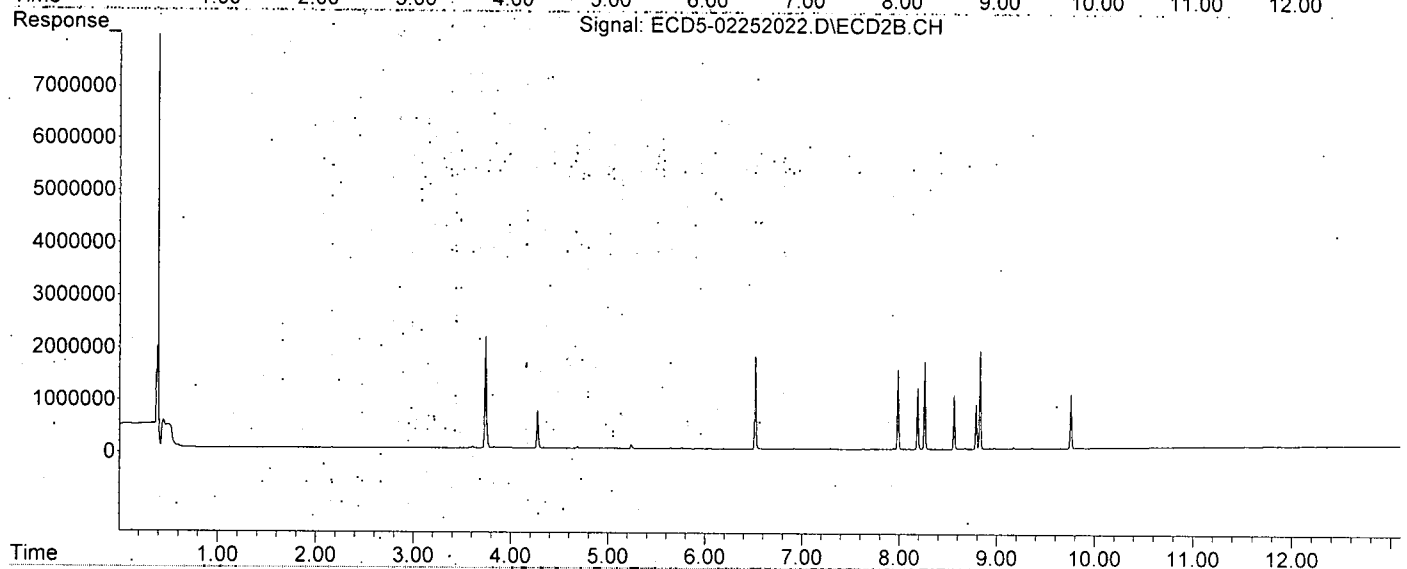
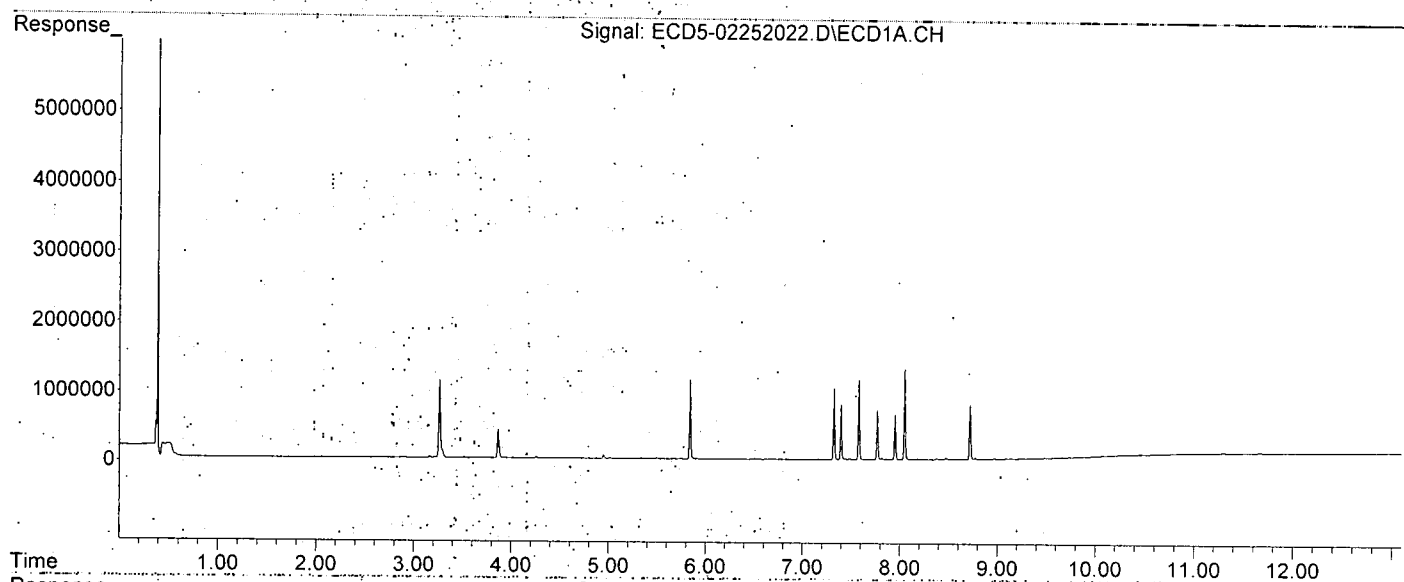
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:22
Operator : MJB
Sample : 0B25043-CALD
Misc : A19K265, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:39
 Operator : MJB
 Sample : 0B25043-CALE
 Misc : A19K266, 9-42 10 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:50 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.431f	6.053	4592	9197	0.021	0.027
22) S DCBP (S)	9.660	10.631	11480	8282	BelowCal	0.043

Target Compounds

2) a-BHC	5.994	0.000	3974	0	0.014	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.345	7.037	8722	6045	13405.818	BelowCal #
5) Heptachlor	6.693	7.350	3671	5857	0.016	0.016
6) d-BHC	6.508	7.293	10962	14770	0.044	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.395	8.055	1469851	11301	6.529	0.033 #
9) trans-Chl...	7.491	8.187	19545	2213415	0.086	6.262 #
10) cis-Chlor...	7.578	8.302	2133448	12990	9.654	0.039 #
11) Endosulfa...	7.667	8.363	5584	3808	0.027	0.012 #
12) 4,4'-DDE	7.648	0.000	5563	0	0.025	N.D. #
13) Dieldrin	7.860	8.561	8885	1931515	0.039	5.576 #
14) Endrin	8.050f	8.786	2424511	1641641	14.628	7.393 #
15) 4,4'-DDD	8.050	8.827	2424511	3529630	13.012	13.199
16) Endosulfa...	8.182	8.932	9492	12761	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.473	9.169	18912	26892	BelowCal	BelowCal
19) Endosulfa...	8.774	9.359	18015	21137	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.969	9.756	10941	1914233	BelowCal	7.442
23) Hexachlor...	3.260	3.735	2115564	4029851	9.522	9.260
24) Hexachlor...	5.840	6.515	2108819	3393326	9.372	9.284
25) Oxychlorane	7.323	7.985	1862537	2780134	9.300	9.048
26) 2,4'-DDE	7.395	8.187	1469851	2213415	9.636	9.403
27) trans-Non...	7.578	8.259	2133448	3123800	9.525	9.180
28) 2,4'-DDD	7.768	8.561	1279287	1931515	9.337	9.246

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:39
 Operator : MJB
 Sample : 0B25043-CALE
 Misc : A19K266, 9-42 10 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:50:50 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.951	8.786	1188032	1641641	9.187	9.687
30) cis-Nonac...	8.050	8.827	2424511	3529630	9.686	9.399
31) Mirex	8.719	9.756	1417093	1914233	9.807	9.785
32) Chlordane...	7.491	8.187	19545	2213415	0.788	52.155 #
33) Chlordane...	7.578	8.302	2133448	12990	77.472	0.370 #
34) Chlordane...	0.000	8.970	0	24868	N.D.	2.310 #
35) Chlordane...	0.000	3.735	0	4029851	N.D.	NoCal
36) Toxaphene...	7.578	8.561f	2133448	1931515	2011.887	683.099 #
37) Toxaphene...	7.860	8.912f	8885	10597	4.511	3.055 #
38) Toxaphene...	8.182	8.912	9492	10597	2.362	1.846
39) Toxaphene...	8.378f	8.970	15761	24868	4.034	2.689 #
40) Toxaphene...	0.000	9.169	0	26892	N.D.	5.302 #
41) Toxaphene...	8.719	0.000	1417093	0	359.329	N.D. #
42) Toxaphene...	0.000	3.735	0	4029851	N.D.	NoCal

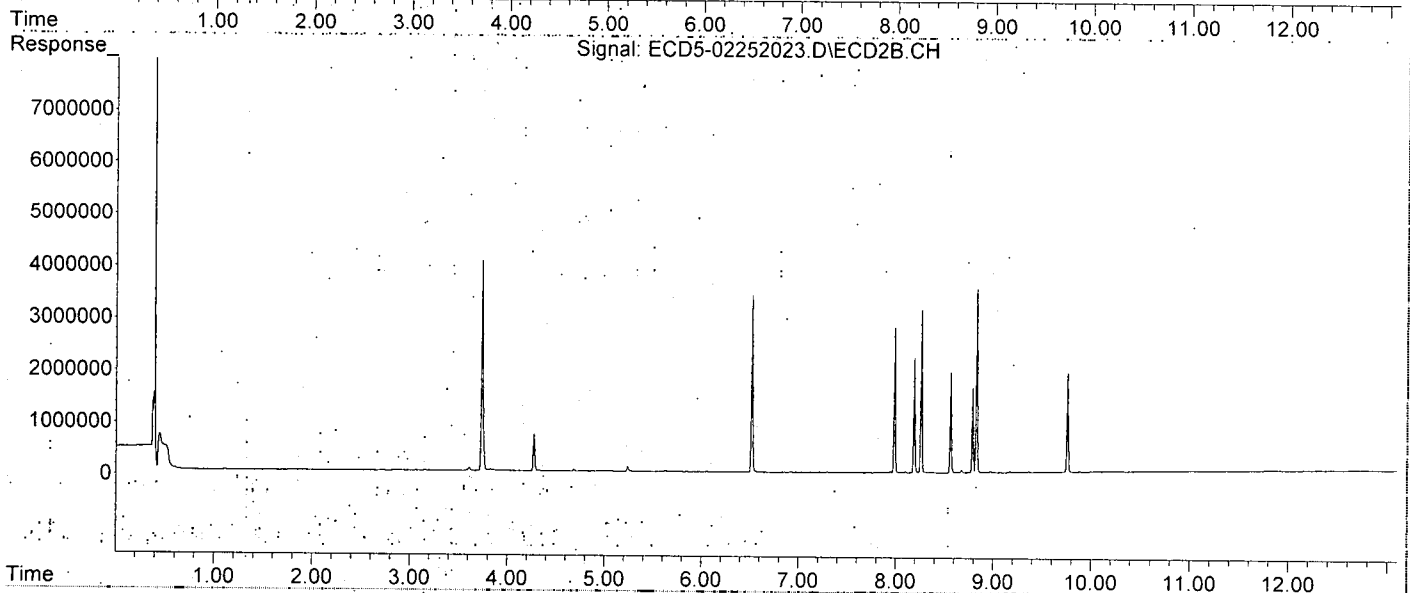
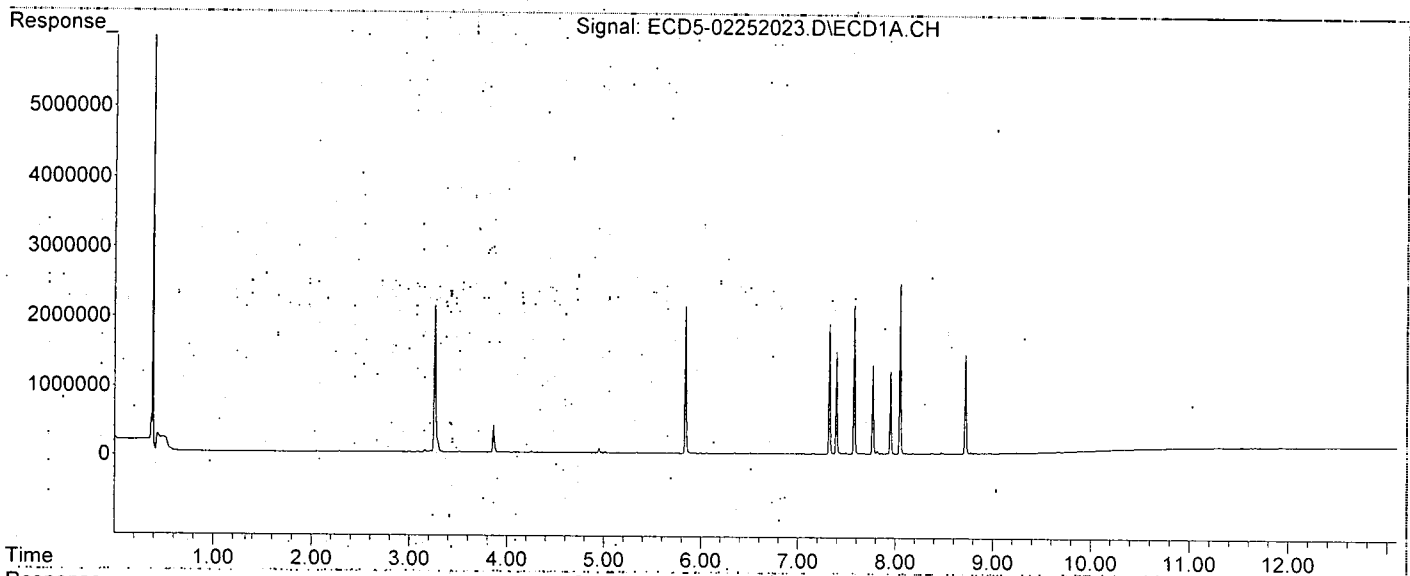
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:39
Operator : MJB
Sample : 0B25043-CALE
Misc : A19K266, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:50:50 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:56
 Operator : MJB
 Sample : 0B25043-CALF
 Misc : A19J407, 9-42 25 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.430f	6.052	11700	12108	0.054	0.035 #
22) S DCBP (S)	9.660	10.631	25301	20075	BelowCal	0.104

Target Compounds

2) a-BHC	5.991	0.000	5939	0	0.021	N.D. #
3) g-BHC	6.255f	0.000	4995	0	0.020	N.D. #
4) b-BHC	6.342	7.037	9978	5694	13405.806	BelowCal #
5) Heptachlor	6.692	7.350	7112	10897	0.031	0.029
6) d-BHC	6.507	7.293	8204	10852	0.033	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.395	8.054	3629037	21417	16.121	0.062 #
9) trans-Chl...	7.490	8.188	41798	5570315	0.184	15.760 #
10) cis-Chlor...	7.578	8.302	5130994	28901	23.219	0.087 #
11) Endosulfa...	0.000	8.364	0	13437	N.D.	0.043 #
12) 4,4'-DDE	0.000	8.381f	0	11841	N.D.	0.068 #
13) Dieldrin	7.859	8.561	15867	4852223	0.069	14.008 #
14) Endrin	8.049f	8.787	5977723	4477299	36.066	19.818 #
15) 4,4'-DDD	8.049	8.827	5977723	8823260	32.080	32.188
16) Endosulfa...	8.181	8.932	9111	13234	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.474	9.170	15087	20276	BelowCal	BelowCal
19) Endosulfa...	8.774	9.360	19626	15676	BelowCal	BelowCal
20) Methoxychlor	0.000	9.492f	0	2610	N.D.	BelowCal
21) Endrin Ke...	8.969	9.756	9253	4725980	BelowCal	18.379
23) Hexachlor...	3.261	3.736	5372243	10474503	24.179	24.069
24) Hexachlor...	5.840	6.515	5164469	8445450	22.953	23.106
25) Oxychlorane	7.323	7.985	4667823	7090383	23.306	23.076
26) 2,4'-DDE	7.395	8.188	3629037	5570315	23.791	23.664
27) trans-Non...	7.578	8.259	5130994	7939518	22.907	23.332
28) 2,4'-DDD	7.768	8.561	3146355	4852223	22.963	23.226

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:56
 Operator : MJB
 Sample : 0B25043-CALF
 Misc : A19J407, 9-42 25 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.952	8.787	3118024	4477299	24.113	25.356
30)	cis-Nonac...	8.049	8.827	5977723	8823260	23.881	23.494
31)	Mirex	8.719	9.756	3449936	4725980	24.125	24.061
32)	Chlordane...	7.490	8.188	41798	5570315	1.685	131.254 #
33)	Chlordane...	7.578	8.302	5130994	28901	186.323	0.823 #
34)	Chlordane...	0.000	8.970	0	25058	N.D.	2.327 #
35)	Chlordane...	3.750	3.736	7560	10474503	NoCal	NoCal
36)	Toxaphene...	7.578	8.561f	5130994	4852223	4838.638	1716.036 #
37)	Toxaphene...	7.859	8.912f	15867	14726	8.056	4.245 #
38)	Toxaphene...	8.181	8.912	9111	14726	2.267	2.565
39)	Toxaphene...	8.378f	8.970	15203	25058	3.891	2.710 #
40)	Toxaphene...	0.000	9.170	0	20276	N.D.	3.998 #
41)	Toxaphene...	8.719	0.000	3449936	0	874.792	N.D. #
42)	Toxaphene...	3.750	3.736	7560	10474503	NoCal	NoCal

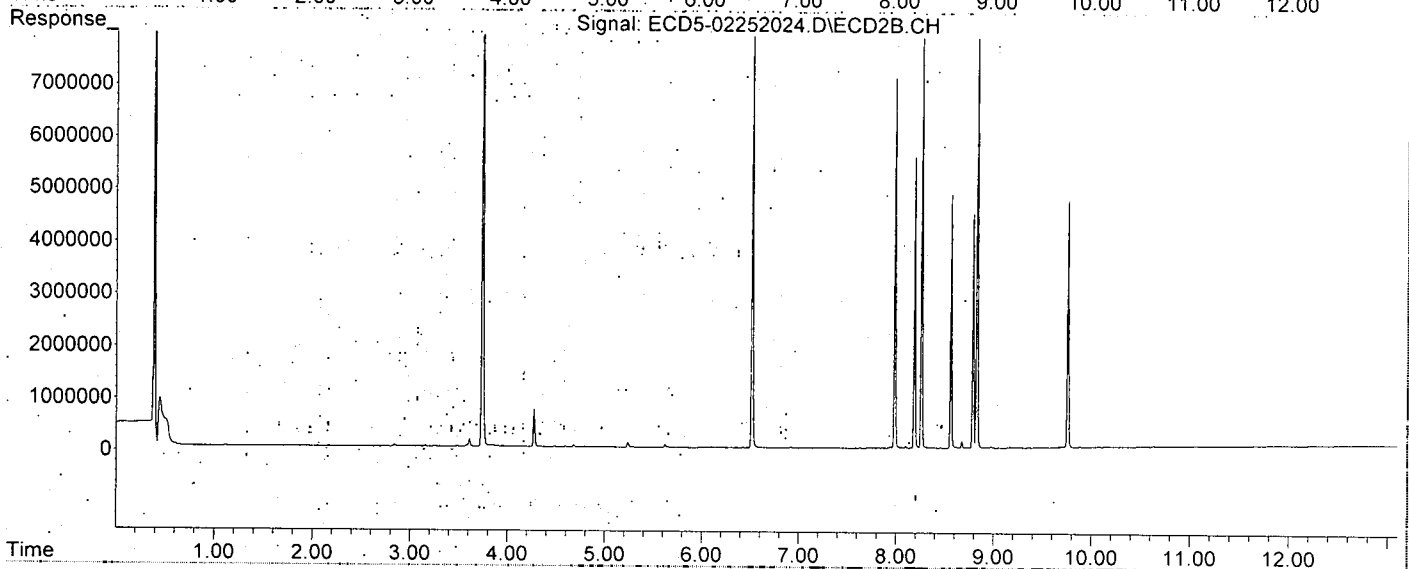
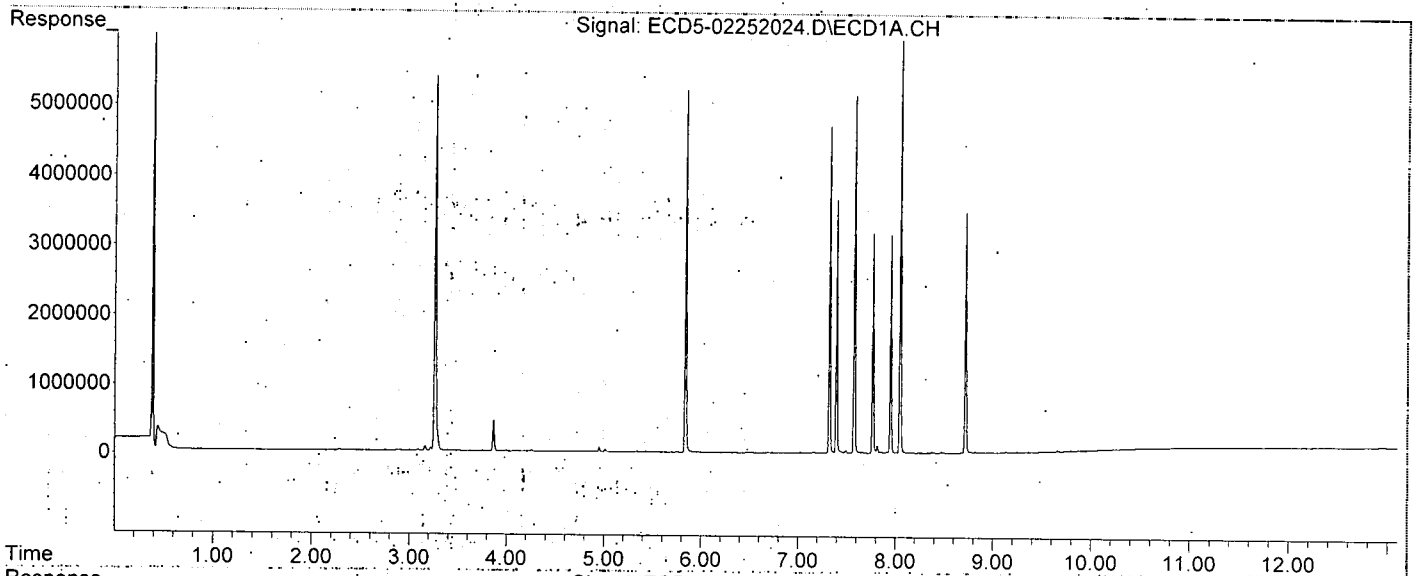
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:56
Operator : MJB
Sample : 0B25043-CALF
Misc : A19J407, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:51:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:13
 Operator : MJB
 Sample : 0B25043-CALG
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB
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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.431f	6.050	20956	8112	0.098	0.024 #
22) S DCBP (S)	9.660	10.632	39797	35784	0.000	0.185 #

Target Compounds

2) a-BHC	5.992	0.000	5760	0	0.020	N.D. #
3) g-BHC	6.256f	0.000	7626	0	0.030	N.D. #
4) b-BHC	6.342	7.036	9757	6138	13405.808	BelowCal #
5) Heptachlor	6.692	7.350	12037	18569	0.052	0.050
6) d-BHC	6.507	7.293	6625	9577	0.026	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.395	8.054	6700631	37801	29.766	0.110 #
9) trans-Chl...	7.490	8.187	72584	10947466	0.319	30.973 #
10) cis-Chlor...	7.578	8.301	10012921	52185	45.310	0.157 #
11) Endosulfa...	7.647f	8.364	18554	25386	0.090	0.082
12) 4,4'-DDE	7.647	8.381f	18554	25404	0.082	0.109 #
13) Dieldrin	7.859	8.561	27654	9442355	0.120	27.259 #
14) Endrin	8.050f	8.787	11201104	8983017	67.580	38.635 #
15) 4,4'-DDD	8.050	8.827	11201104	17575775	60.113	61.753
16) Endosulfa...	8.182	8.933	11543	16490	BelowCal	BelowCal
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.476	9.169	14767	17717	BelowCal	BelowCal
19) Endosulfa...	0.000	9.360	0	13037	N.D.	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.969	9.756	7281	8959174	BelowCal	34.271
23) Hexachlor...	3.261	3.736	9990291	19935750	44.964	45.810
24) Hexachlor...	5.840	6.516	9886431	16599953	43.939	45.415
25) Oxychlordane	7.323	7.985	8837500	13968909	44.125	45.463
26) 2,4'-DDE	7.395	8.187	6700631	10947466	43.927	46.508
27) trans-Non...	7.578	8.259	10012921	15596383	44.702	45.833
28) 2,4'-DDD	7.768	8.561	6083122	9442355	44.396	45.198

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:13
 Operator : MJB
 Sample : 0B25043-CALG
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.951	8.787	6102858	8983017	47.195	48.157
30)	cis-Nonac...	8.050	8.827	11201104	17575775	44.748	46.800
31)	Mirex	8.720	9.756	6526642	8959174	45.629	44.879
32)	Chlordane...	7.490	8.187	72584	10947466	2.925	257.957 #
33)	Chlordane...	7.578	8.301	10012921	52185	363.601	1.486 #
34)	Chlordane...	0.000	8.971	0	25944	N.D.	2.410 #
35)	Chlordane...	3.750	3.736	10110	19935750	NoCal	NoCal
36)	Toxaphene...	7.578	8.561f	10012921	9442355	9442.400	3339.381 #
37)	Toxaphene...	7.859	0.000	27654	0	14.041	N.D. #
38)	Toxaphene...	8.182	8.933	11543	16490	2.872	2.872
39)	Toxaphene...	8.378f	8.971	14795	25944	3.787	2.805 #
40)	Toxaphene...	0.000	9.169	0	17717	N.D.	3.493 #
41)	Toxaphene...	8.720	0.000	6526642	0	1654.944	N.D. #
42)	Toxaphene...	3.750	3.736	10110	19935750	NoCal	NoCal

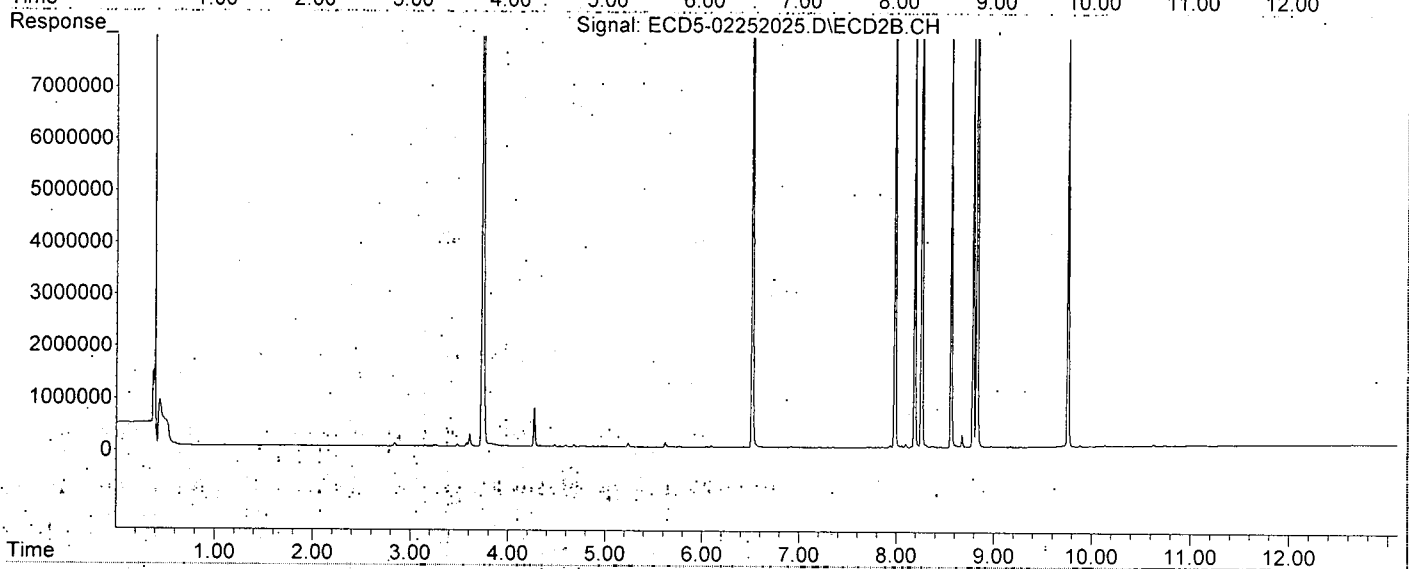
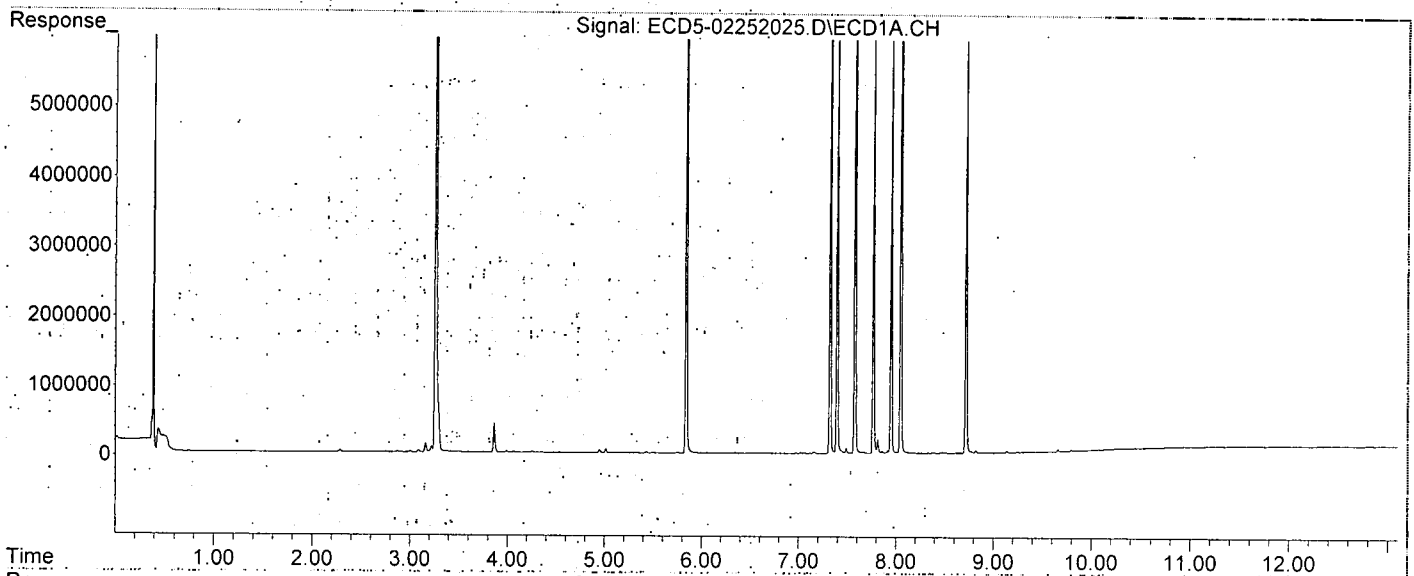
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25%. (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 19:13
Operator : MJB
Sample : 0B25043-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:51:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:30
 Operator : MJB
 Sample : 0B25043-CALH
 Misc : A19J409, 9-42 100 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.430f	6.049	42213	14410	0.196	0.042 #
22) S DCBP (S)	9.659	10.631	75170	74519	0.226	0.384 #

Target Compounds

2) a-BHC	5.992	0.000	8874	0	0.031	N.D. #
3) g-BHC	6.256f	0.000	11391	0	0.045	N.D. #
4) b-BHC	6.340	7.036	11232	10157	13405.794	BelowCal #
5) Heptachlor	6.692	7.350	22663	34823	0.097	0.094
6) d-BHC	6.507	7.294	7554	11328	0.030	BelowCal #
7) Aldrin	6.974f	7.628	12473	8167	0.052	0.022 #
8) Heptachlo...	7.394	8.054	15104320	76584	67.097	0.222 #
9) trans-Chl...	7.489	8.187	150432	25045392	0.661	70.859 #
10) cis-Chlor...	7.577	8.302	22677932	95980	102.621	0.288 #
11) Endosulfa...	7.664f	8.363	32401	41322	0.157	0.133
12) 4,4'-DDE	7.647	8.380f	32205	40566	0.143	0.154
13) Dieldrin	7.858	8.561	54565	22001853	0.237	63.518 #
14) Endrin	8.013	8.787	36679	22793757	0.221	90.768 #
15) 4,4'-DDD	8.049	8.827	25852009	41681458	138.739	134.289
16) Endosulfa...	8.180	8.932	21334	26879	BelowCal	BelowCal
17) 4,4'-DDT	8.265	9.052	10340	8551	0.065	0.130 #
18) Endrin Al...	8.477	9.169	18601	19436	BelowCal	BelowCal
19) Endosulfa...	0.000	9.360	0	13812	N.D.	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.968	9.756	9460	21589971	BelowCal	78.268
23) Hexachlor...	3.261	3.736	23135918	47129729	104.129	108.299
24) Hexachlor...	5.840	6.516	22470076	38212346	99.866	104.544
25) Oxychlorane	7.322	7.985	19750075	33092536	98.611	107.703
26) 2,4'-DDE	7.394	8.187	15104320	25045392	99.019	106.400
27) trans-Non...	7.577	8.259	22677932	36910070	101.244	108.468
28) 2,4'-DDD	7.767	8.561	13756435	22001853	100.398	105.317

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:30
 Operator : MJB
 Sample : 0B25043-CALH
 Misc : A19J409, 9-42 100 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.950	8.787	14712939	22793757	113.780	107.407
30)	cis-Nonac...	8.049	8.827	25852009	41681458	103.278	110.988
31)	Mirex	8.718	9.756	14378442	21589971	99.629	102.900
32)	Chlordane...	7.489	8.187	150432	25045392	6.063	590.148 #
33)	Chlordane...	7.577	8.302	22677932	95980	823.509	2.733 #
34)	Chlordane...	0.000	8.970	0	26649	N.D.	2.475 #
35)	Chlordane...	3.750	3.736	18379	47129729	NoCal	NoCal
36)	Toxaphene...	7.577	8.561f	22677932	22001853	21385.776	7781.171 #
37)	Toxaphene...	7.858	0.000	54565	0	27.704	N.D. #
38)	Toxaphene...	8.180	8.932	21334	26879	5.308	4.681
39)	Toxaphene...	8.378f	8.970	16075	26649	4.114	2.882 #
40)	Toxaphene...	0.000	9.169	0	19436	N.D.	3.832 #
41)	Toxaphene...	8.718	0.000	14378442	0	3645.906	N.D. #
42)	Toxaphene...	3.750	3.736	18379	47129729	NoCal	NoCal

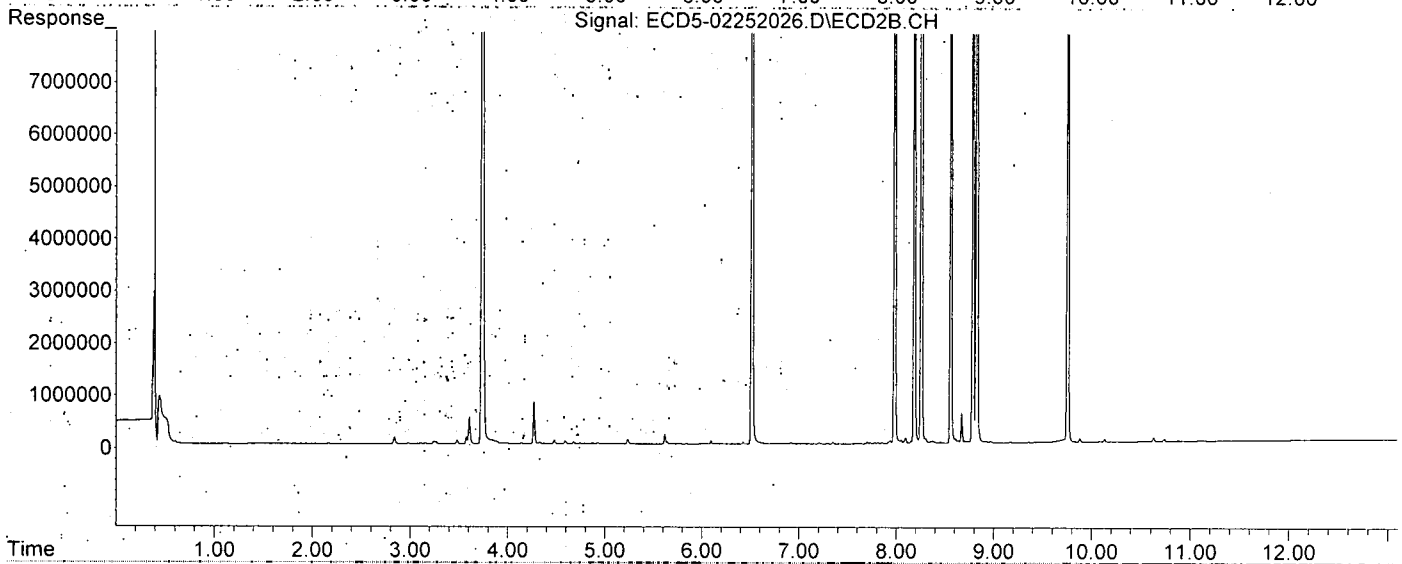
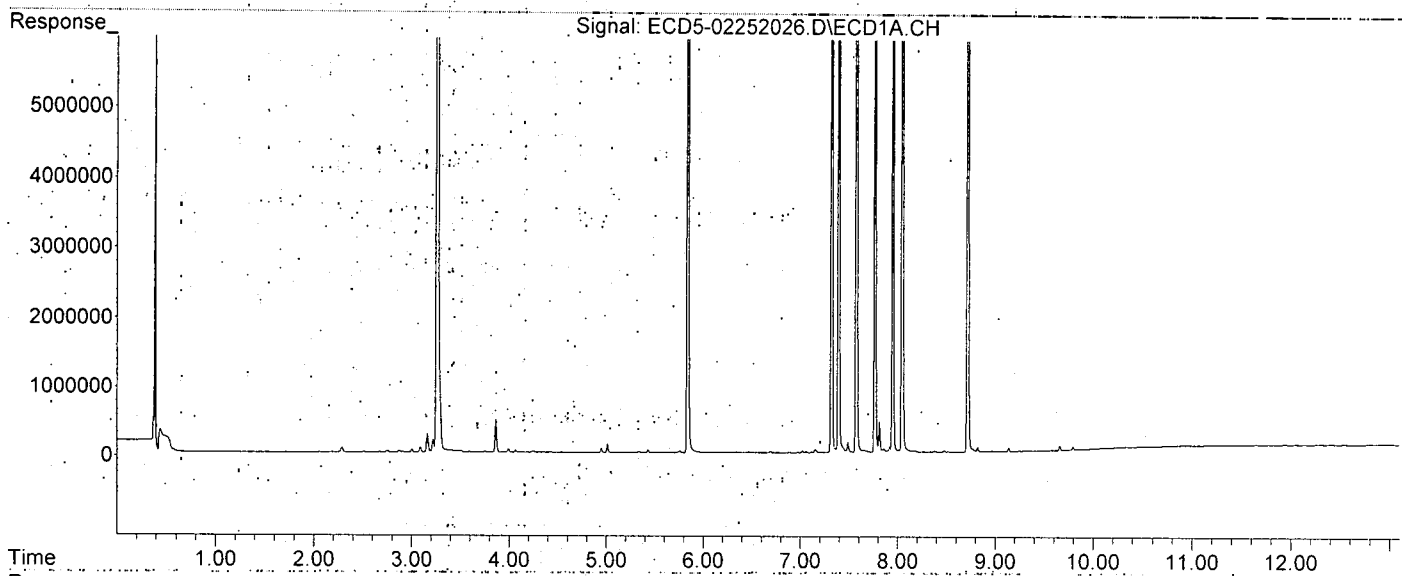
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 19:30
Operator : MJB
Sample : 0B25043-CALH
Misc : A19J409, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:51:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides. Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:47
 Operator : MJB
 Sample : 0B25043-CALI
 Misc : A19K262, 9-42 200 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.431f	6.051	79028	13205	0.368	0.038 #
22) S DCBP (S)	9.659	10.631	138602	142511	0.631	0.735

Target Compounds

2) a-BHC	0.000	6.653	0	18705	N.D.	0.065 #
3) g-BHC	6.256f	7.011f	19988	6684	0.079	0.016 #
4) b-BHC	6.356	7.036	14904	19657	13405.760	BelowCal #
5) Heptachlor	6.691	7.349	44742	65987	0.192	0.177
6) d-BHC	6.506	7.293	11178	16957	0.044	BelowCal #
7) Aldrin	6.933	7.611	3069	7838	0.013	0.021 #
8) Heptachlo...	7.395	8.054	31136923	136943	138.317	0.397 #
9) trans-Chl...	7.489	8.188	286282	53538270	1.258	151.471 #
10) cis-Chlor...	7.578	8.302	45537534	164476	206.064	0.493 #
11) Endosulfa...	7.665f	8.363	53885	71760	0.262	0.231
12) 4,4'-DDE	7.648	8.380f	51726	77620	0.229	0.265
13) Dieldrin	7.858	8.562	97976	46768267	0.425	135.017 #
14) Endrin	8.013	8.788	65227	48925010	0.394	174.107 #
15) 4,4'-DDD	8.049	8.829	51137593	88266437	274.438	250.881
16) Endosulfa...	8.180	8.932	34951	46036	BelowCal	BelowCal
17) 4,4'-DDT	8.266	9.052	21530	18139	0.145	0.183 #
18) Endrin Al...	8.479	9.170	26528	20364	BelowCal	BelowCal
19) Endosulfa...	0.000	9.360	0	15103	N.D.	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.968	9.757	12084	46031145	BelowCal	152.765
23) Hexachlor...	3.262	3.738	44880919	99830182	201.998	229.398
24) Hexachlor...	5.841	6.517	45050237	79747299	200.222	218.179
25) Oxychlorane	7.323	7.986	40282611	70119555	201.130	228.211
26) 2,4'-DDE	7.395	8.188	31136923	53538270	204.124	227.446
27) trans-Non...	7.578	8.260	45537534	78361174	203.299	230.282
28) 2,4'-DDD	7.768	8.562	27847592	46768267	203.239	223.868

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:47
 Operator : MJB
 Sample : 0B25043-CALI
 Misc : A19K262, 9-42 200 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:51:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.951	8.788	29910856	48925010	231.310	195.454
30) cis-Nonac...	8.049	8.829	51137593	88266437	204.293	235.032
31) Mirex	8.719	9.757	30221229	46031145	205.034	202.132
32) Chlordane...	7.489	8.188	286282	53538270	11.538	1261.530 #
33) Chlordane...	7.578	8.302	45537534	164476	1653.614	4.684 #
34) Chlordane...	0.000	8.969	0	31616	N.D.	2.936 #
35) Chlordane...	3.751	3.738	30017	99830182	NoCal	NoCal
36) Toxaphene...	7.578	8.562f	45537534	46768267	42942.872	16540.056 #
37) Toxaphene...	7.858	0.000	97976	0	49.744	N.D. #
38) Toxaphene...	8.180	8.932	34951	46036	8.696	8.018
39) Toxaphene...	8.378f	8.969	20928	31616	5.356	3.419 #
40) Toxaphene...	0.000	9.170	0	20364	N.D.	4.015 #
41) Toxaphene...	8.719	0.000	30221229	0	7663.122	N.D. #
42) Toxaphene...	3.751	3.738	30017	99830182	NoCal	NoCal

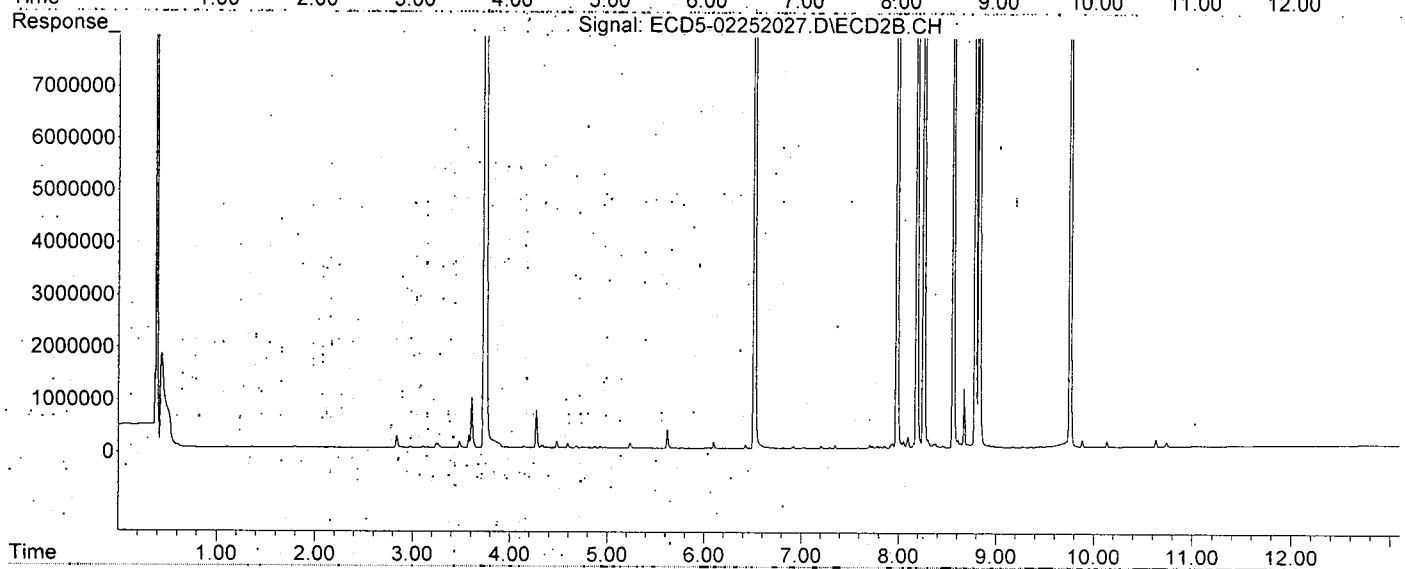
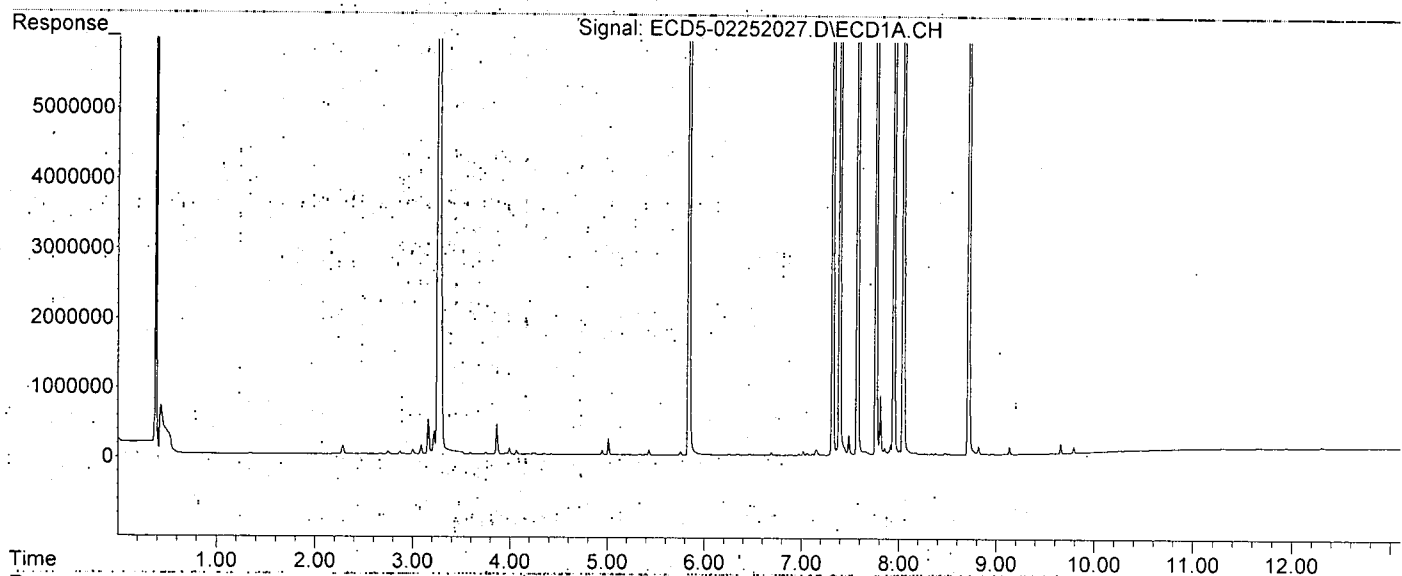
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 19:47
Operator : MJB
Sample : 0B25043-CALI
Misc : A19K262, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:51:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:39
 Operator : MJB
 Sample : 0B25043-CALJ
 Misc : A20B333, CHLOR 10 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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	6.683f	0	11493	N.D.	0.049 #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.347	0.000	8758	0	13405.818	N.D. #
5) Heptachlor	6.693	7.350	117123	180015	0.502	0.483
6) d-BHC	6.506	0.000	4595	0	0.018	N.D. #
7) Aldrin	0.000	7.587f	0	6581	N.D.	0.017 #
8) Heptachlo...	7.403	8.076	21699	9506	0.096	0.028 #
9) trans-Chl...	7.492	8.197	260129	409106	1.143	1.157
10) cis-Chlor...	7.585	8.305	290821	355505	1.316	1.066
11) Endosulfa...	7.705	0.000	6004	0	0.029	N.D. #
12) 4,4'-DDE	7.645	8.401	7302	9124	0.032	0.060 #
13) Dieldrin	7.873	8.559	9139	12538	0.040	0.036
14) Endrin	8.050f	8.783	53313	7183	0.322	0.001 #
15) 4,4'-DDD	8.050	8.828	53313	77423	0.286	0.290
16) Endosulfa...	8.185	8.940	6698	6721	BelowCal	BelowCal
17) 4,4'-DDT	0.000	9.035	0	5938	N.D.	0.115 #
18) Endrin Al...	8.475	9.171	6986	11114	BelowCal	BelowCal
19) Endosulfa...	8.777	9.361	6508	5574	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.970	9.746	3278	20744	BelowCal	BelowCal
23) Hexachlor...	3.284f	3.753	5186	10326	0.023	0.024
24) Hexachlor...	0.000	6.535	0	7311	N.D.	0.020 #
25) Oxychlorane	7.317	8.024f	10492	89610	0.052	0.292 #
26) 2,4'-DDE	7.403	8.197	21699	409106	0.142	1.738 #
27) trans-Non...	7.585	8.260	290821	317520	1.298	0.933 #
28) 2,4'-DDD	7.741f	8.559	21960	12538	0.160	0.060 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:39
 Operator : MJB
 Sample : 0B25043-CALJ
 Misc : A20B333, CHLOR 10 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.982f	8.783	5481	7183	0.042	0.075 #
30)	cis-Nonac...	8.050	8.828	53313	77423	0.213	0.206
31)	Mirex	8.721	9.746	2259	20744	BelowCal	BelowCal
32)	Chlordane...	7.492	8.197	260129	409106	10.484	9.640
33)	Chlordane...	7.585	8.305	290821	355505	10.561	10.123
34)	Chlordane...	8.136	8.970	78700	117072	10.502	10.874
35)	Chlordane...	0.000	3.753	0	10326	N.D.	NoCal
36)	Toxaphene...	7.585	8.559f	290821	12538	274.251	4.434 #
37)	Toxaphene...	7.873	8.885	9139	9974	4.640	2.875 #
38)	Toxaphene...	8.165	8.915	6306	12213	1.569	2.127 #
39)	Toxaphene...	8.411	8.970	4948	117072	1.266	12.659 #
40)	Toxaphene...	0.000	9.171	0	11114	N.D.	2.191 #
41)	Toxaphene...	8.721	0.000	2259	0	0.573	N.D. #
42)	Toxaphene...	0.000	3.753	0	10326	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\

Data File : ECD5-02252030.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 25 Feb 2020 20:39

Operator : MJB

Sample : 0B25043-CALJ

Misc : A20B333, CHLOR 10 ppb

ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e

Integration File signal 2: PEST2.e

Quant Time: Feb 26 15:52:05 2020

Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M

Quant Title : Instrument: DualECD5

QLast Update : Wed Feb 26 15:13:42 2020

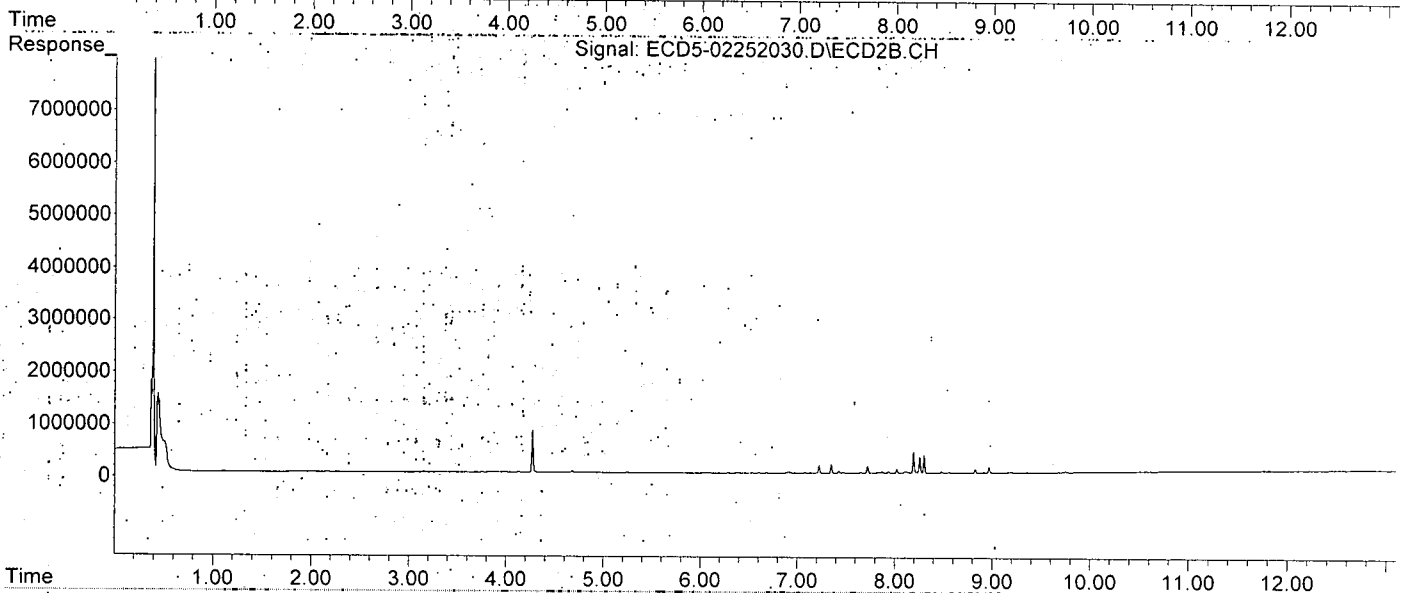
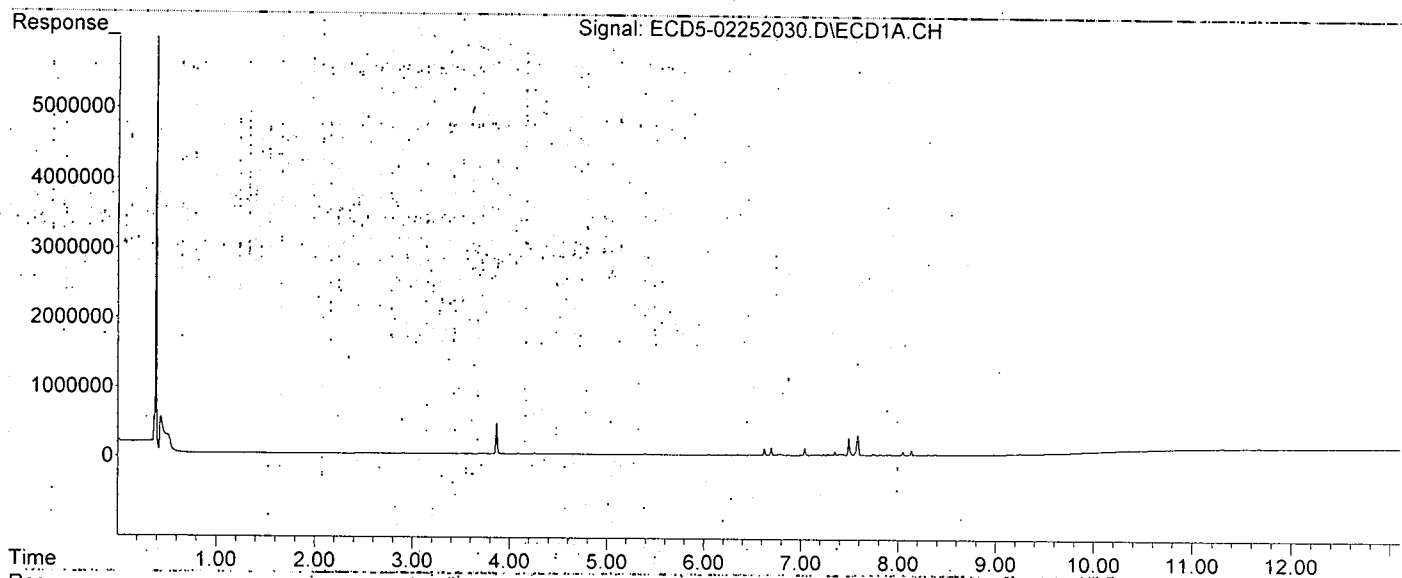
Response via : Initial Calibration

Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL

Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2

Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:56
 Operator : MJB
 Sample : 0B25043-CALK
 Misc : A19K307, CHLOR 50 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:15 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.051	0	9459	N.D.	0.027 #
22) S DCBP (S)	9.673	10.601f	7599	2151	BelowCal	0.011

Target Compounds

2) a-BHC	5.992	6.683f	3179	50297	0.011	0.137 #
3) g-BHC	0.000	6.983	0	27700	N.D.	0.068 #
4) b-BHC	6.334f	0.000	19286	0	13405.719	N.D. #
5) Heptachlor	6.692	7.350	536527	830178	2.301	2.230
6) d-BHC	6.501	0.000	12700	0	0.051	N.D. #
7) Aldrin	6.940	7.628	7342	20188	0.031	0.053 #
8) Heptachlo...	7.402	8.075	95257	52742	0.423	0.153 #
9) trans-Chl...	7.491	8.197	1219372	1979615	5.359	5.601
10) cis-Chlor...	7.584	8.305	1365879	1627418	6.181	4.881
11) Endosulfa...	7.704	8.360	32214	16614	0.156	0.054 #
12) 4,4'-DDE	7.644	8.400	36517	46723	0.162	0.173
13) Dieldrin	7.872	8.558	44008	78571	0.191	0.227
14) Endrin	8.049f	8.782	219339	39242	1.323	0.148 #
15) 4,4'-DDD	8.049	8.828	219339	331096	1.177	1.254
16) Endosulfa...	8.184	8.942	24970	32774	BelowCal	BelowCal
17) 4,4'-DDT	0.000	9.036	0	33409	N.D.	0.267 #
18) Endrin Al...	8.473	9.142f	6419	8418	BelowCal	BelowCal
19) Endosulfa...	8.777	9.360	18807	5235	BelowCal	BelowCal
20) Methoxychlor	8.594	0.000	4064	0	BelowCal	N.D.
21) Endrin Ke...	8.968	9.763	4250	39774	BelowCal	BelowCal
23) Hexachlor...	3.285f	0.000	4957	0	0.022	N.D. #
24) Hexachlor...	0.000	6.533	0	9392	N.D.	0.026 #
25) Oxychlorane	7.316	7.998	18812	29965	0.094	0.098
26) 2,4'-DDE	7.402	8.197	95257	1979615	0.624	8.410 #
27) trans-Non...	7.584	8.260	1365879	1478179	6.098	4.344 #
28) 2,4'-DDD	7.740f	8.558	101620	78571	0.742	0.376 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:56
 Operator : MJB
 Sample : 0B25043-CALK
 Misc : A19K307, CHLOR 50 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:15 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLlast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.982f	8.782	29051	39242	0.225	0.269
30)	cis-Nonac....	8.049	8.828	219339	331096	0.876	0.882
31)	Mirex	8.756f	9.763	9069	39774	BelowCal	0.052
32)	Chlordane...	7.491	8.197	1219372	1979615	49.143	46.646
33)	Chlordane...	7.584	8.305	1365879	1627418	49.599	46.342
34)	Chlordane...	8.136	8.970	363557	503081	48.514	46.726
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.584	8.558f	1365879	78571	1288.053	27.787 #
37)	Toxaphene...	7.872	8.884	44008	52559	22.344	15.150 #
38)	Toxaphene...	8.184	8.920	24970	36964	6.213	6.438
39)	Toxaphene...	8.413	8.970	15769	503081	4.036	54.400 #
40)	Toxaphene...	8.620f	9.142f	5129	8418	1.700	1.660
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

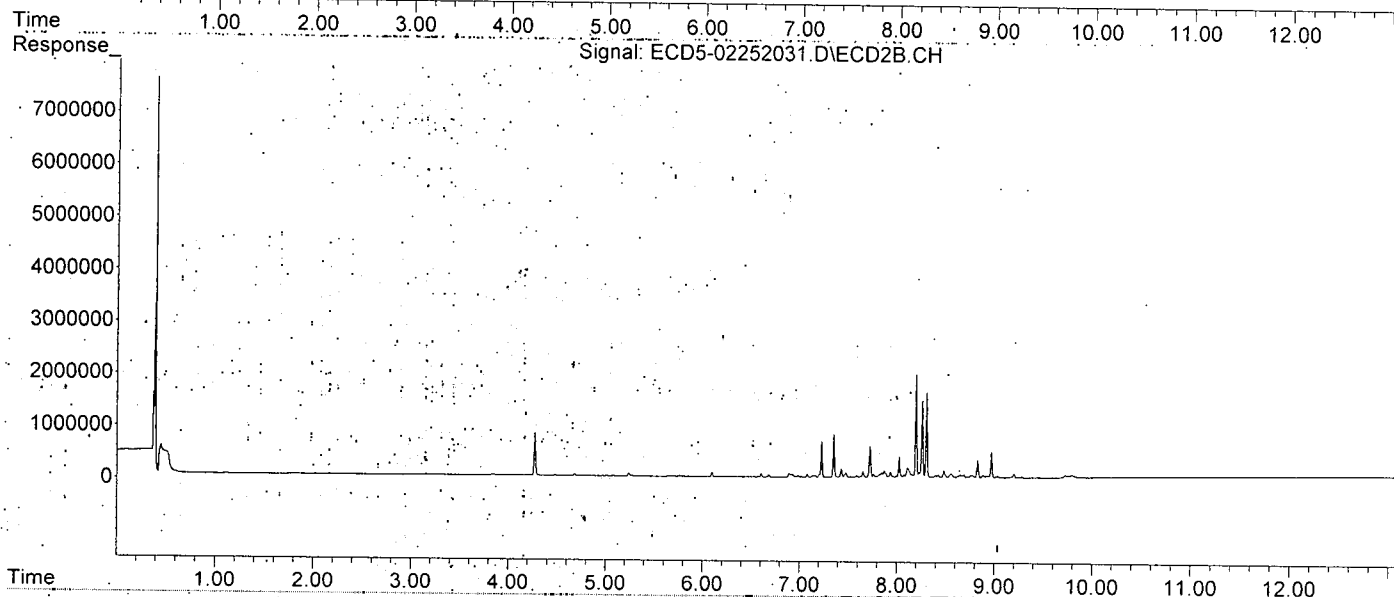
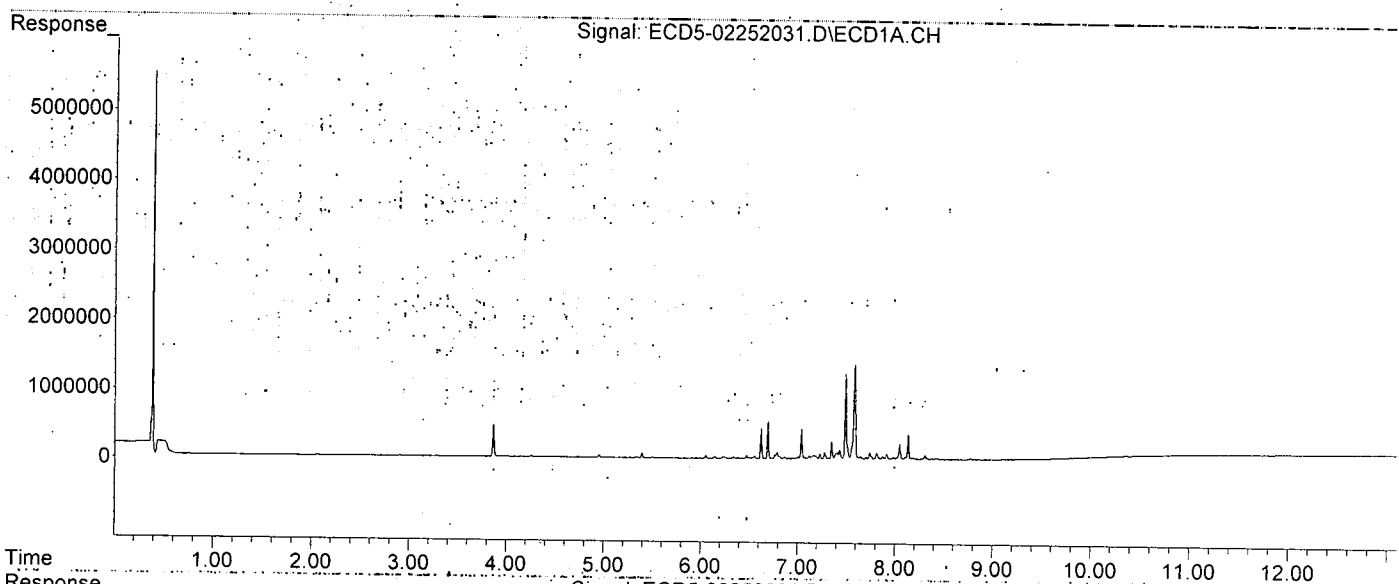
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 20:56
Operator : MJB
Sample : 0B25043-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:52:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:13
 Operator : MJB
 Sample : 0B25043-CALL
 Misc : A19K308, CHLOR 100 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj: 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.051	0	14411	N.D.	0.042 #
22) S DCBP (S)	9.671	0.000	10099	0	BelowCal	N.D.

Target Compounds

2) a-BHC	5.988	6.682f	4332	98522	0.015	0.247 #
3) g-BHC	6.253f	6.982	29398	60588	0.116	0.148 #
4) b-BHC	6.333f	7.041	37984	21313	0.163	BelowCal #
5) Heptachlor	6.691	7.349	1142923	1770038	4.902	4.754
6) d-BHC	6.499	7.281	22594	17714	0.090	BelowCal #
7) Aldrin	6.939	7.625	17471	28065	0.073	0.074
8) Heptachlo...	7.402	8.074	190194	109244	0.845	0.317 #
9) trans-Chl...	7.490	8.196	2563682	4226014	11.267	11.956
10) cis-Chlor...	7.584	8.304	2858046	3515911	12.933	10.544
11) Endosulfa...	7.703	8.366	68625	42709	0.333	0.138 #
12) 4,4'-DDE	7.643	8.399	75000	100706	0.333	0.335
13) Dieldrin	7.871	8.557	90950	202232	0.395	0.584 #
14) Endrin	8.049f	8.781	452962	86483	2.733	0.364 #
15) 4,4'-DDD	8.049	8.827	452962	681471	2.431	2.581
16) Endosulfa...	8.184	8.942	52000	69699	0.076	0.097 #
17) 4,4'-DDT	0.000	9.063	0	22835	N.D.	0.208 #
18) Endrin Al...	8.495f	9.140f	13754	18010	BelowCal	BelowCal
19) Endosulfa...	8.777	9.390f	35563	14661	BelowCal	BelowCal
20) Methoxychlor	8.594	0.000	10514	0	BelowCal	N.D.
21) Endrin Ke...	8.965	9.762	4983	32957	BelowCal	BelowCal
23) Hexachlor...	3.285f	3.751	5061	6976	0.023	0.016 #
24) Hexachlor...	0.000	6.530	0	12052	N.D.	0.033 #
25) Oxychlorane	7.316	7.998	33777	66562	0.169	0.217 #
26) 2,4'-DDE	7.402	8.196	190194	4226014	1.247	17.953 #
27) trans-Non...	7.584	8.259	2858046	3144041	12.760	9.239 #
28) 2,4'-DDD	7.739f	8.557	207267	202232	1.513	0.968 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:13
 Operator : MJB
 Sample : 0B25043-CALL
 Misc : A19K308, CHLOR 100 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.981f	8.781	63960	86483	0.495	0.553
30)	cis-Nonac...	8.049	8.827	452962	681471	1.810	1.815
31)	Mirex	8.755f	9.762	20640	32957	BelowCal	0.017
32)	Chlordane...	7.490	8.196	2563682	4226014	103.322	99.578
33)	Chlordane...	7.584	8.304	2858046	3515911	103.785	100.119
34)	Chlordane...	8.135	8.969	778570	1045379	103.894	97.094
35)	Chlordane...	0.000	3.751	0	6976	N.D.	NoCal
36)	Toxaphene...	7.584	8.557f	2858046	202232	2695.199	71.521 #
37)	Toxaphene...	7.871	8.883	90950	107689	46.177	31.042 #
38)	Toxaphene...	8.184	8.920	52000	81251	12.939	14.151
39)	Toxaphene...	8.413	8.969	34563	1045379	8.846	113.040 #
40)	Toxaphene...	8.620f	9.140f	12022	18010	3.985	3.551
41)	Toxaphene...	8.678f	0.000	3790	0	0.961	N.D. #
42)	Toxaphene...	0.000	3.751	0	6976	N.D.	NoCal

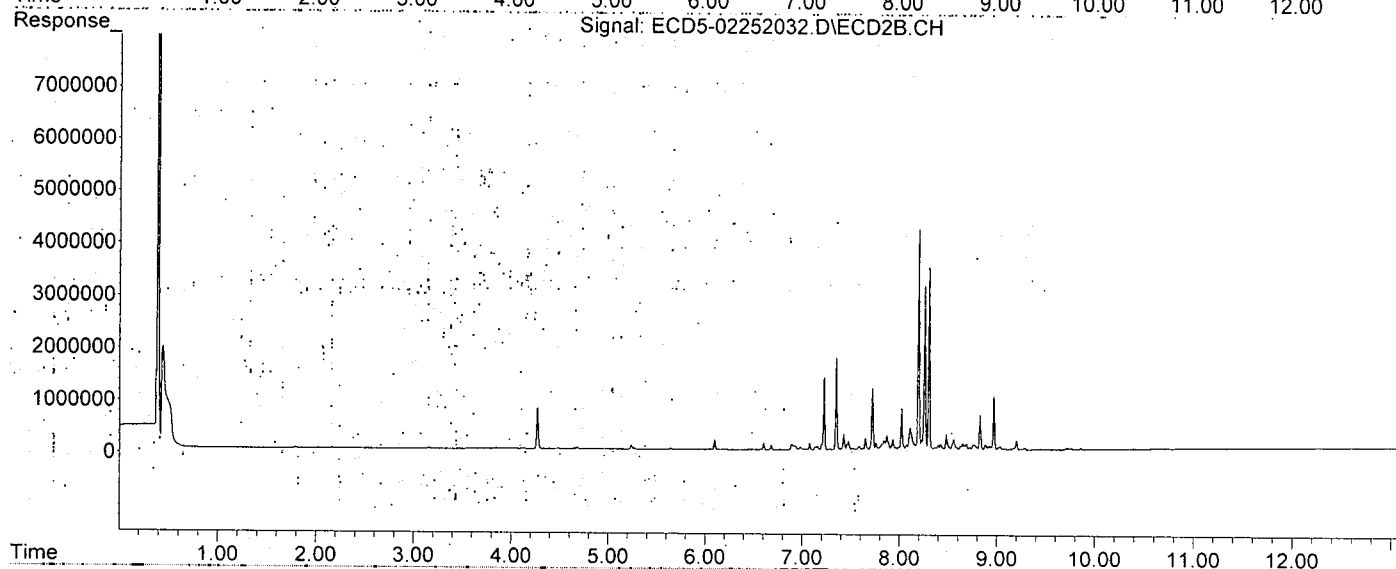
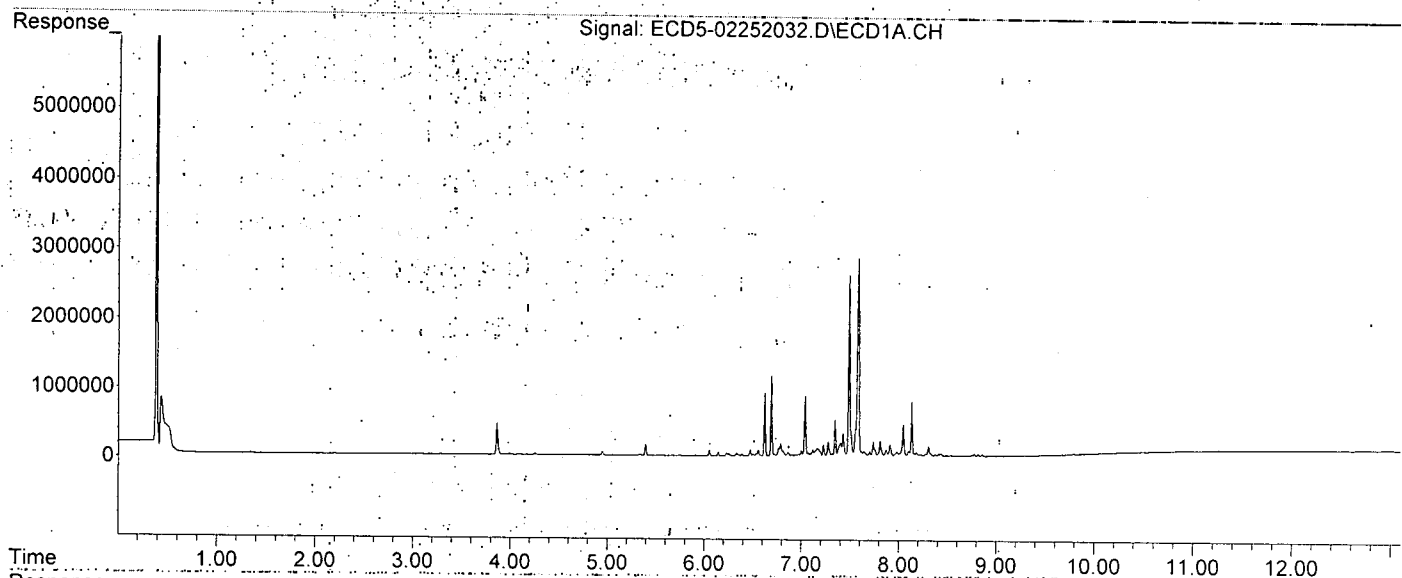
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 21:13
Operator : MJB
Sample : 0B25043-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:52:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:30
 Operator : MJB
 Sample : 0B25043-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0 Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.053	0	11870	N.D.	0.034 #
22) S DCBP (S)	9.672	0.000	13183	0	BelowCal	N.D.

Target Compounds

2) a-BHC	5.991	6.683f	4577	169307	0.016	0.408 #
3) g-BHC	6.254f	6.983	53956	106343	0.214	0.260
4) b-BHC	6.332f	7.042	67645	34440	0.440	0.029 #
5) Heptachlor	6.693	7.350	2121859	3288479	9.102	8.832
6) d-BHC	6.474f	7.281	171933	30291	0.684	0.008 #
7) Aldrin	6.941	7.623	33165	42690	0.138	0.113
8) Heptachlo...	7.403	8.075	350959	200281	1.559	0.581 #
9) trans-Chl...	7.491	8.196	4888024	8173427	21.481	23.124
10) cis-Chlor...	7.584	8.305	5357870	6715049	24.245	20.138
11) Endosulfa...	7.704	0.000	128040	0	0.622	N.D. #
12) 4,4'-DDE	7.644	8.400	137458	181963	0.610	0.578
13) Dieldrin	7.872	8.557	159900	409091	0.694	1.181 #
14) Endrin	8.050f	8.781	837530	153479	5.053	0.670 #
15) 4,4'-DDD	8.050	8.828	837530	1256560	4.495	4.750
16) Endosulfa...	8.185	8.943	93649	129840	0.326	0.348
17) 4,4'-DDT	0.000	9.064	0	42323	N.D.	0.316 #
18) Endrin Al...	8.496f	9.141f	26390	31602	BelowCal	BelowCal
19) Endosulfa...	8.778	9.390f	60359	27130	BelowCal	BelowCal
20) Methoxychlor	8.594	9.500f	21832	8899	0.133	0.057 #
21) Endrin Ke...	8.964	9.762	7670	57433	BelowCal	0.037
23) Hexachlor...	3.285f	0.000	4531	0	0.020	N.D. #
24) Hexachlor...	5.830	6.533	4516	9004	0.020	0.025
25) Oxychlorane	7.317	7.999	55630	118674	0.278	0.386 #
26) 2,4'-DDE	7.403	8.196	350959	8173427	2.301	34.723 #
27) trans-Non...	7.584	8.260	5357870	5933734	23.920	17.438 #
28) 2,4'-DDD	7.740f	8.557	377421	409091	2.755	1.958 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:30
 Operator : MJB
 Sample : 0B25043-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.982f	8.781	117867	153479	0.912	0.955
30) cis-Nonac...	8.050	8.828	837530	1256560	3.346	3.346
31) Mirex	8.708	9.762	3939	57433	BelowCal	0.145
32) Chlordane...	7.491	8.196	4888024	8173427	196.998	192.592
33) Chlordane...	7.584	8.305	5357870	6715049	194.561	191.217
34) Chlordane...	8.136	8.969	1447050	2011818	193.097	186.856
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.584	8.557f	5357870	409091	5052.587	144.679 #
37) Toxaphene...	7.872	8.884	159900	195887	81.184	56.465 #
38) Toxaphene...	8.185	8.921	93649	142606	23.301	24.837
39) Toxaphene...	8.414	8.969	59329	2011818	15.185	217.544 #
40) Toxaphene...	8.620f	9.141f	23677	31602	7.849	6.231
41) Toxaphene...	8.708	0.000	3939	0	0.999	N.D. #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

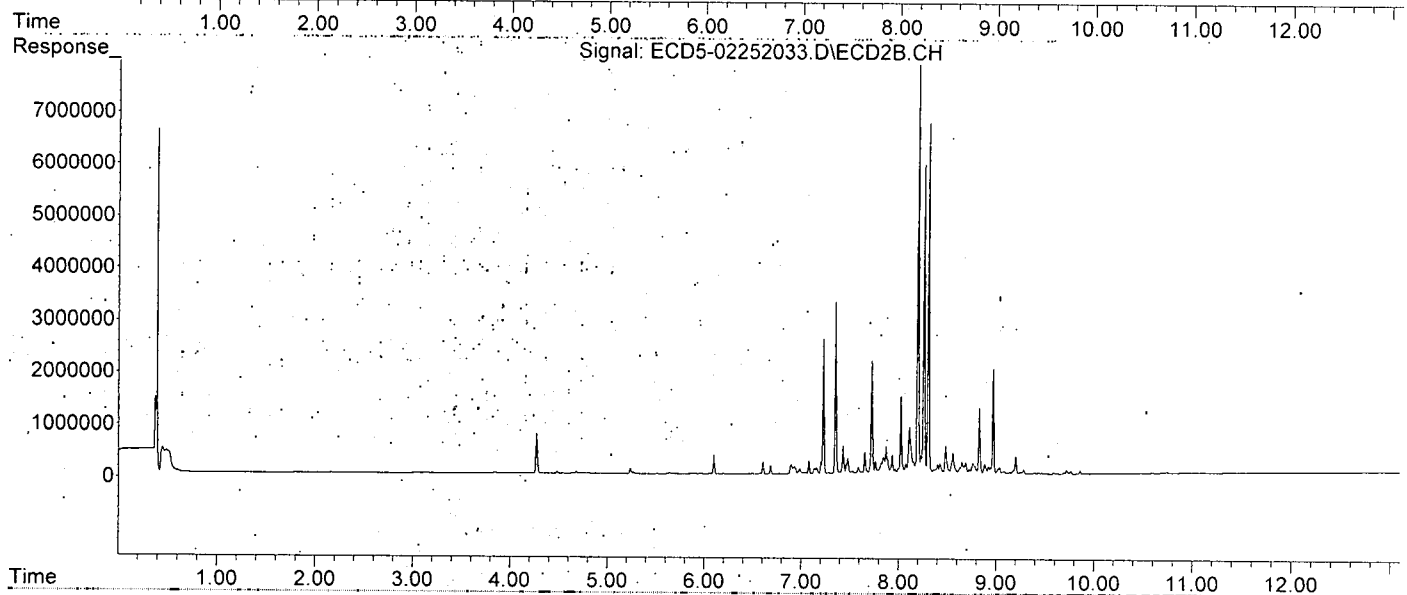
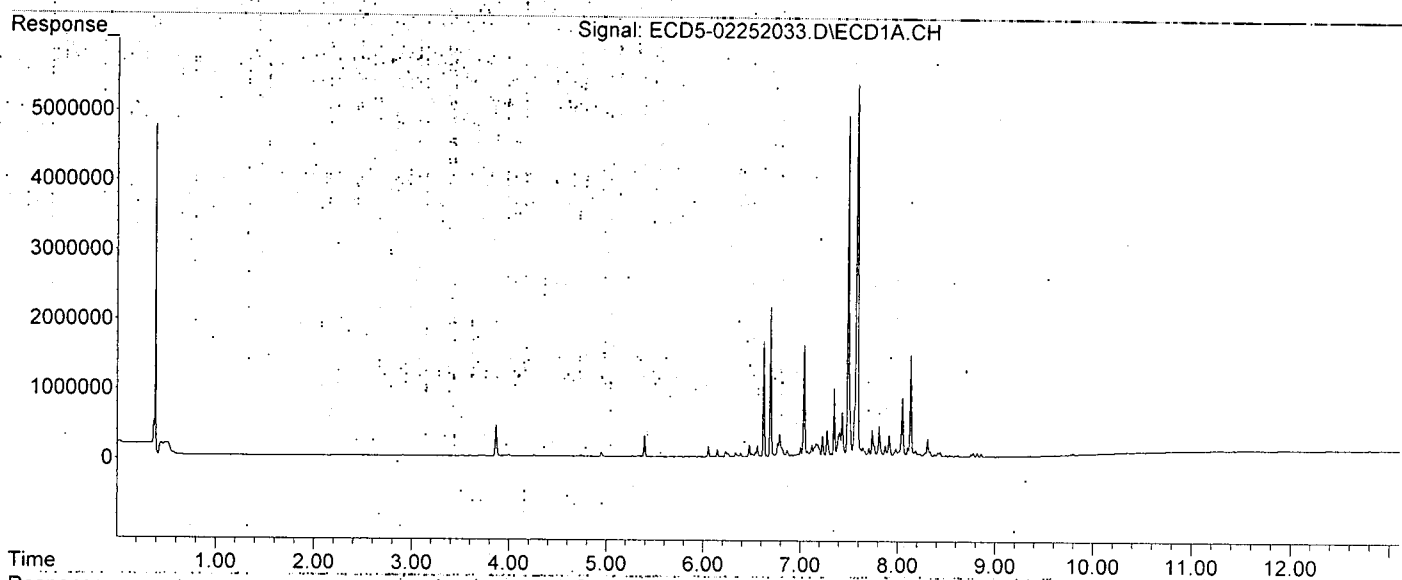
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 21:30
Operator : MJB
Sample : 0B25043-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:52:33 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:47
 Operator : MJB
 Sample : 0B25043-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:43 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.051	4760	12225	0.022	0.035 #
22) S DCBP (S)	9.671	10.601f	21563	7193	BelowCal	0.037

Target Compounds

2) a-BHC	5.988	6.683f	8228	362148	0.029	0.846 #
3) g-BHC	6.298	6.983	15160	231306	0.060	0.566 #
4) b-BHC	6.332f	7.041	148317	74840	1.195	0.271 #
5) Heptachlor	6.692	7.351	5204778	8371513	22.325	22.484
6) d-BHC	6.499	7.281	82914	70925	0.330	0.121 #
7) Aldrin	6.940	7.622	77182	100515	0.321	0.265
8) Heptachlo...	7.402	8.075	823230	479680	3.657	1.390 #
9) trans-Chl...	7.490	8.196	11720316	20498002	51.507	57.993
10) cis-Chlor...	7.584	8.304	13155669	16887593	59.531	50.646
11) Endosulfa...	7.703	8.377f	299874	231529	1.456	0.746 #
12) 4,4'-DDE	7.643	8.399	330874	438389	1.468	1.347
13) Dieldrin	7.871	8.557	382300	1210664	1.659	3.495 #
14) Endrin	8.049f	8.763f	2032345	585529	12.262	2.637 #
15) 4,4'-DDD	8.049	8.828	2032345	3086230	10.907	11.565
16) Endosulfa...	8.183	8.942	225616	317864	1.118	1.133
17) 4,4'-DDT	0.000	9.063	0	111006	N.D.	0.693 #
18) Endrin Al...	8.495f	9.140f	66978	89461	BelowCal	0.013
19) Endosulfa...	8.777	9.391f	139855	78298	0.477	BelowCal #
20) Methoxychlor	8.593	9.535	61642	17174	0.704	0.148 #
21) Endrin Ke...	8.961	9.763	19201	138025	BelowCal	0.361
23) Hexachlor...	3.286f	0.000	4776	0	0.021	N.D. #
24) Hexachlor...	5.830	6.532	7759	9629	0.034	0.026
25) Oxychlorane	7.316	7.998	121747	274174	0.608	0.892 #
26) 2,4'-DDE	7.402	8.196	823230	20498002	5.397	87.082 #
27) trans-Non...	7.584	8.259	13155669	15181882	58.732	44.615
28) 2,4'-DDD	7.739f	8.557	927150	1210664	6.767	5.795

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:47
 Operator : MJB
 Sample : 0B25043-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:43 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.981f	8.763f	285765	585529	2.210	3.531 #
30)	cis-Nonac...	8.049	8.828	2032345	3086230	8.119	8.218
31)	Mirex	8.707	9.763	18432	138025	BelowCal	0.567
32)	Chlordane...	7.490	8.196	11720316	20498002	472.354	482.997
33)	Chlordane...	7.584	8.304	13155669	16887593	477.725	480.888
34)	Chlordane...	8.135	8.969	3598451	5110139	480.185	474.624
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.584	8.557f	13155669	1210664	12406.078	428.163 #
37)	Toxaphene...	7.871	8.883	382300	476818	194.101	137.444 #
38)	Toxaphene...	8.183	8.920	225616	367632	56.137	64.029
39)	Toxaphene...	8.413	8.969	143855	5110139	36.818	552.574 #
40)	Toxaphene...	8.620f	9.140f	64691	89461	21.444	17.638
41)	Toxaphene...	8.707	9.535	18432	17174	4.674	3.215 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

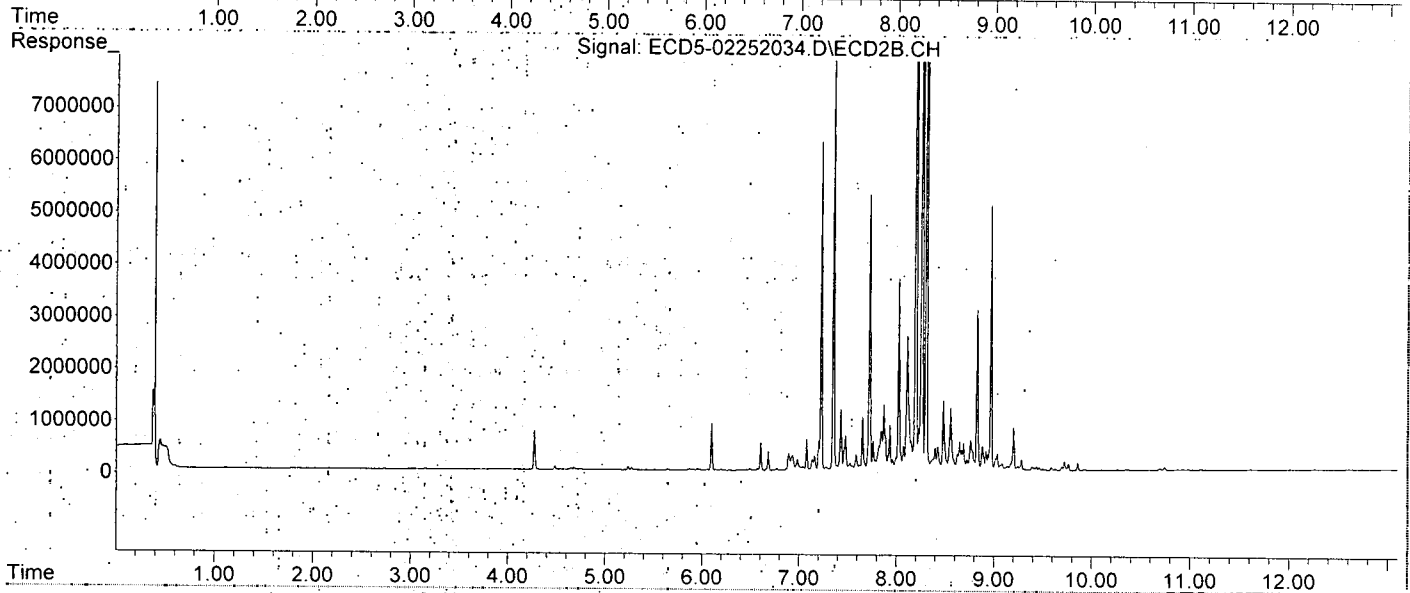
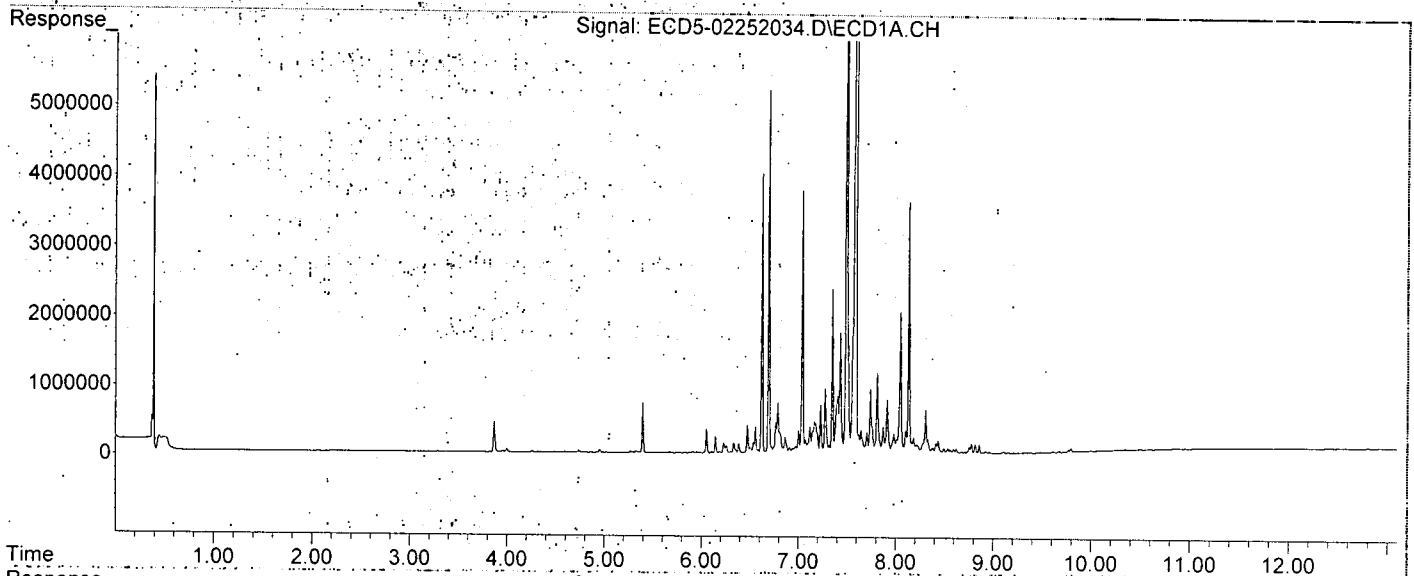
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 21:47
Operator : MJB
Sample : 0B25043-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:52:43 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:04
 Operator : MJB
 Sample : 0B25043-CALO
 Misc : A19K311, CHLOR 1000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.458	6.050	8244	19230	0.038	0.056 #
22) S DCBP (S)	9.671	10.645	40723	7815	0.006	0.040 #

Target Compounds

2) a-BHC	5.988	6.683f	12825	690541	0.045	1.592 #
3) g-BHC	6.299	6.983	26959	429495	0.107	1.051 #
4) b-BHC	6.332f	7.042	279408	130788	2.422	0.608 #
5) Heptachlor	6.692	7.350	10636439	17639070	45.624	47.374
6) d-BHC	6.473f	7.280	790579	131190	3.144	0.288 #
7) Aldrin	6.940	7.621	147922	188074	0.616	0.496
8) Heptachlo...	7.402	8.074	1653794	927607	7.347	2.689 #
9) trans-Chl...	7.490	8.197	24448288	43521903	107.443	123.133
10) cis-Chlor...	7.584	8.305	26395147	35629558	119.442	106.852
11) Endosulfa...	7.703	8.378f	598350	508716	2.905	1.639 #
12) 4,4'-DDE	7.643	8.399	651720	878585	2.891	2.663
13) Dieldrin	7.871	8.557	754847	2819622	3.275	8.140 #
14) Endrin	8.049f	8.801	4027627	414931	24.300	1.862 #
15) 4,4'-DDD	8.049	8.828	4027627	6256313	21.615	23.095
16) Endosulfa...	8.184	8.943	459169	654594	2.519	2.535
17) 4,4'-DDT	8.227f	9.064	236496	231103	1.676	1.351
18) Endrin Al...	8.495f	9.140f	135696	186598	0.455	0.470
19) Endosulfa...	8.778	9.342	274001	48187	1.339	BelowCal #
20) Methoxychlor	8.594	9.536	128530	41309	1.661	0.414 #
21) Endrin Ke...	8.960	9.762	39688	278105	BelowCal	0.925
23) Hexachlor...	3.285f	0.000	4822	0	0.022	N.D. #
24) Hexachlor...	5.830	6.491f	11654	72997	0.052	0.200 #
25) Oxychlorane	7.316	7.998	224207	543924	1.119	1.770 #
26) 2,4'-DDE	7.402	8.197	1653794	43521903	10.842	184.894 #
27) trans-Non...	7.584	8.260	26395147	32021712	117.839	94.103
28) 2,4'-DDD	7.739f	8.557	1910068	2819622	13.940	13.497

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:04
 Operator : MJB
 Sample : 0B25043-CALO
 Misc : A19K311, CHLOR 1000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:52:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.981f	8.801	579609	414931	4.482	2.518 #
30) cis-Nonac...	8.049	8.828	4027627	6256313	16.090	16.659
31) Mirex	8.707	9.762	43555	278105	0.082	1.300 #
32) Chlordane...	7.490	8.197	24448288	43521903	985.319	1025.513
33) Chlordane...	7.584	8.305	26395147	35629558	958.493	1014.582
34) Chlordane...	8.135	8.970	7358441	10775549	981.925	1000.822
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.584	8.557f	26395147	2819622	24891.190	997.187 #
37) Toxaphene...	7.871	8.884	754847	961171	383.249	277.060 #
38) Toxaphene...	8.184	8.921	459169	779366	114.248	135.739
39) Toxaphene...	8.414	8.970	286061	10775549	73.214	1165.192 #
40) Toxaphene...	8.620f	9.140f	135137	186598	44.796	36.788
41) Toxaphene...	8.707	9.536	43555	41309	11.044	7.734 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

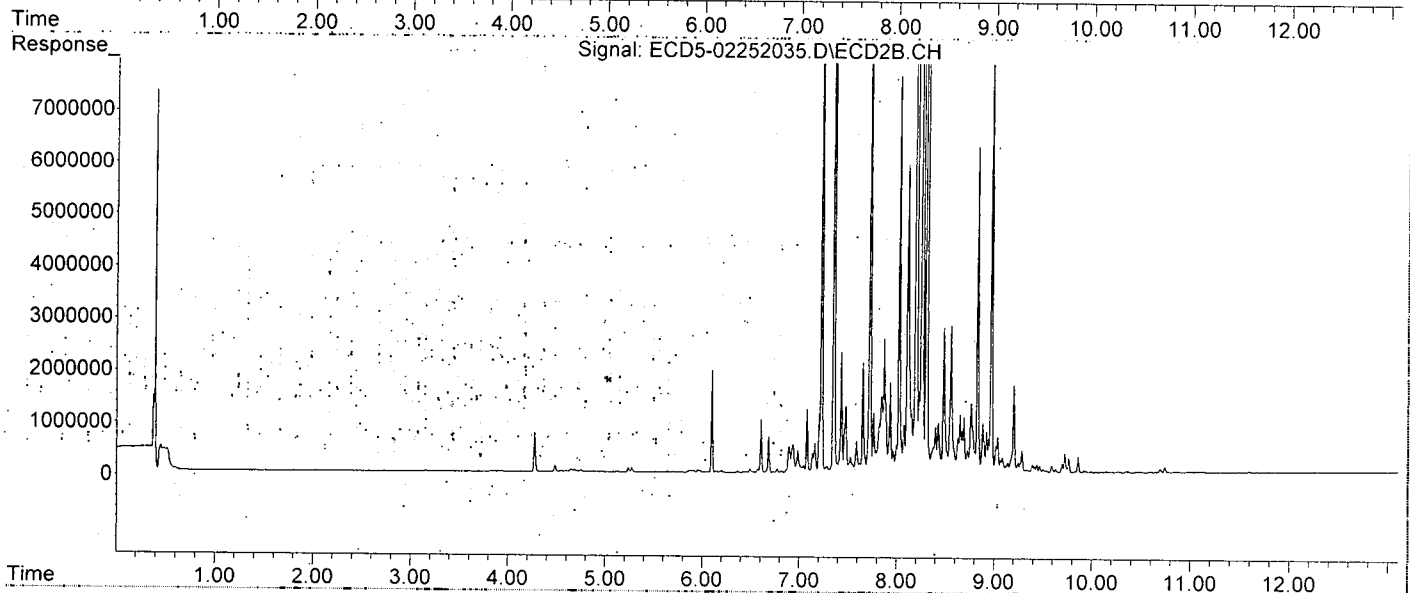
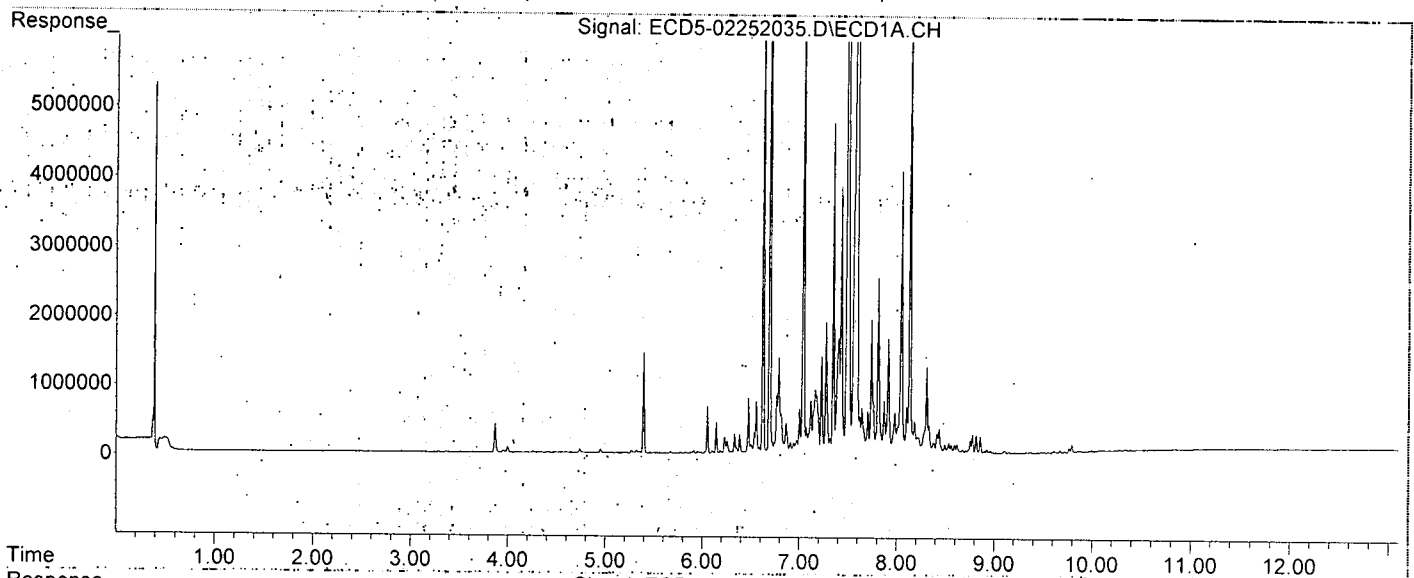
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 22:04
Operator : MJB
Sample : 0B25043-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:52:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:22
 Operator : MJB
 Sample : 0B25043-CALP
 Misc : A19K306, CHLOR 2000 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:53:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.051	15369	24368	0.072	0.071
22) S DCBP (S)	9.672	10.646	73611	16900	0.216	0.087 #

Target Compounds

2) a-BHC	5.988	6.683f	22624	1389514	0.079	3.173 #
3) g-BHC	6.255f	6.983	348162	836663	1.379	2.047 #
4) b-BHC	6.332f	7.042	545571	226437	4.913	1.182 #
5) Heptachlor	6.692	7.351	22344757	39525270	95.846	106.155
6) d-BHC	6.474f	7.281	1641408	246575	6.527	0.608 #
7) Aldrin	6.939	7.621	288250	372055	1.200	0.981
8) Heptachlo...	7.401	8.074	3413139	1939739	15.162	5.623 #
9) trans-Chl...	7.491	8.198	50643560	97852072	222.564	276.845
10) cis-Chlor...	7.584	8.306	56582614	79169029	256.045	237.426
11) Endosulfa...	7.702	8.379f	1250092	1125315	6.070	3.626 #
12) 4,4'-DDE	7.642	8.399	1345781	1866080	5.970	5.603
13) Dieldrin	7.871	8.557	1582344	6633085	6.866	19.149 #
14) Endrin	8.049f	8.801	8583013	922697	51.784	4.163 #
15) 4,4'-DDD	8.049	8.828	8583013	13773446	46.062	49.166
16) Endosulfa...	8.184	8.943	971285	1420646	5.588	5.703
17) 4,4'-DDT	0.000	9.064	0	488975	N.D.	2.756 #
18) Endrin Al...	8.495f	9.141f	279480	402911	1.419	1.486
19) Endosulfa...	8.778	9.342	553764	120387	3.136	0.169 #
20) Methoxychlor	8.594	9.536	269245	99962	3.669	1.058 #
21) Endrin Ke...	8.960	9.763	82997	607300	0.189	2.245 #
23) Hexachlor...	3.285f	0.000	4530	0	0.020	N.D. #
24) Hexachlor...	5.829	6.491f	21744	138743	0.097	0.380 #
25) Oxychlorane	7.315	7.997	449965	1112139	2.247	3.620 #
26) 2,4'-DDE	7.401	8.198	3413139	97852072	22.375	415.705 #
27) trans-Non...	7.584	8.261	56582614	71390716	252.608	209.798
28) 2,4'-DDD	7.739f	8.557	4010101	6633085	29.267	31.751

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:22
 Operator : MJB
 Sample : 0B25043-CALP
 Misc : A19K306, CHLOR 2000 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:53:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.980f	8.801	1221513	922697	9.446	5.517 #
30)	cis-Nonac...	8.049	8.828	8583013	13773446	34.289	36.675
31)	Mirex	8.708	9.763	98144	607300	0.469	3.018 #
32)	Chlordane...	7.491	8.198	50643560	97852072	2041.044	2305.702
33)	Chlordane...	7.584	8.306	56582614	79169029	2054.696	2254.404
34)	Chlordane...	8.135	8.970	15479596	24178823	2065.629	2245.703
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.584	8.557f	56582614	6633085	53358.620	2345.855 #
37)	Toxaphene...	7.871	8.884	1582344	2066013	803.385	595.533 #
38)	Toxaphene...	8.184	8.921	971285	1701048	241.671	296.265
39)	Toxaphene...	8.413	8.970	586436	24178823	150.091	2614.527 #
40)	Toxaphene...	8.620f	9.141f	280260	402911	92.902	79.436
41)	Toxaphene...	8.708	9.536	98144	99962	24.886	18.715
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

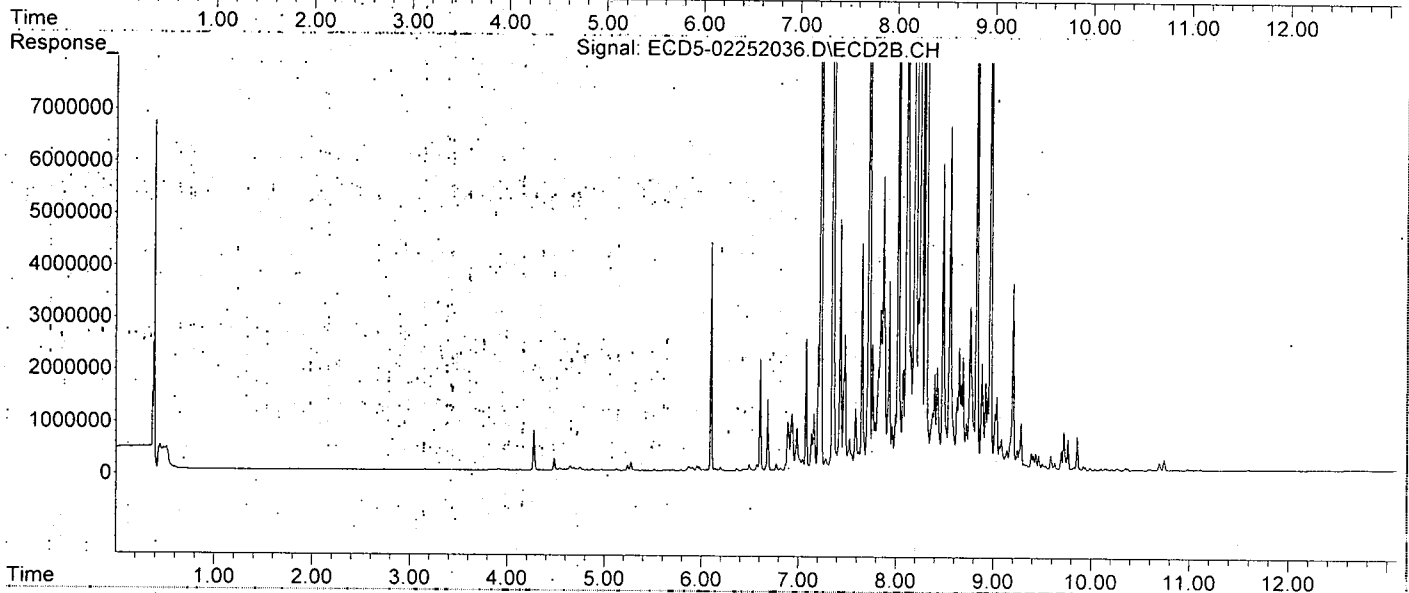
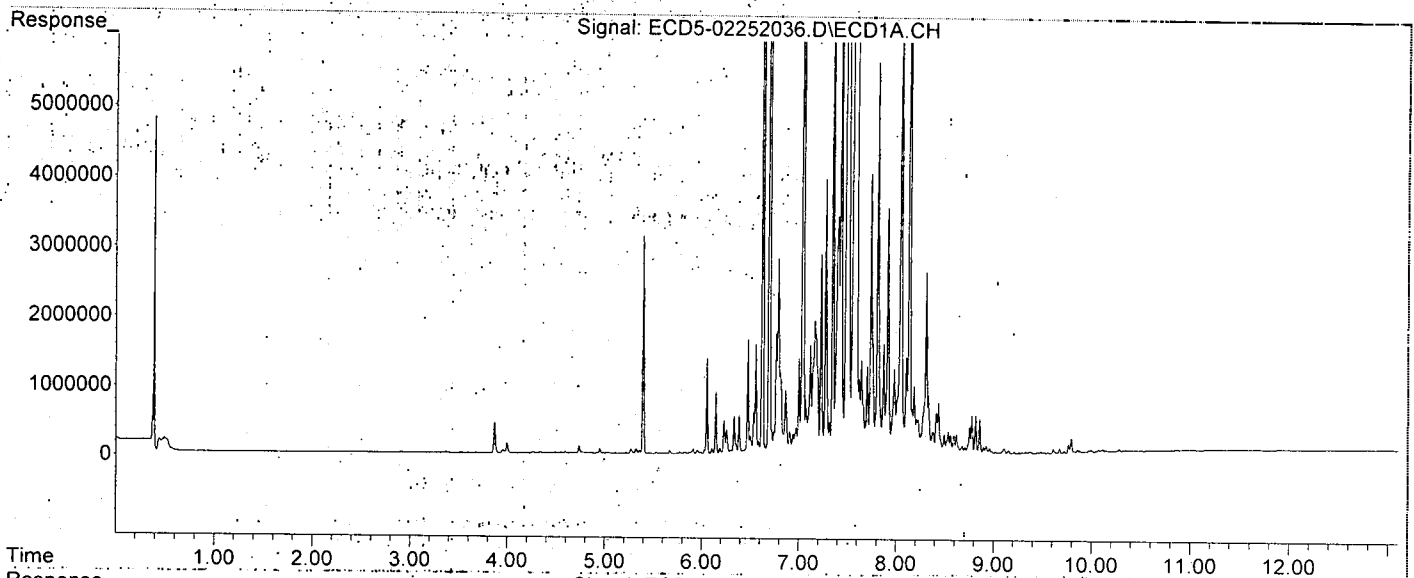
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 22:22
Operator : MJB
Sample : 0B25043-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:53:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:13
 Operator : MJB
 Sample : 0B25043-CALQ
 Misc : A20B334, TOX 10 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:53:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.053	0	5351	N.D.	0.016 #
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	6.345	0.000	8339	0	13405.822	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.398	8.049	2897	8190	0.013	0.024 #
9) trans-Chl...	7.506	8.196	7783	8886	0.034	0.025 #
10) cis-Chlor...	7.566f	8.328f	11341	7033	0.051	0.021 #
11) Endosulfa...	7.693	8.359	12668	12613	0.062	0.041 #
12) 4,4'-DDE	7.614f	8.425	9218	14972	0.041	0.077 #
13) Dieldrin	7.859	8.572	22995	15999	0.100	0.046 #
14) Endrin	8.000f	8.777	10045	26957	0.061	0.091 #
15) 4,4'-DDD	8.087	8.827	15629	17600	0.084	0.063 #
16) Endosulfa...	8.172	8.916	44681	66638	0.032	0.084 #
17) 4,4'-DDT	8.251	9.047	35099	19183	0.242	0.188
18) Endrin Al...	8.460	9.160	25934	54652	BelowCal	BelowCal
19) Endosulfa...	8.777	9.362	11762	19735	BelowCal	BelowCal
20) Methoxychlor	8.611	9.543	9427	55348	BelowCal	0.568
21) Endrin Ke...	8.965	9.745	8627	17325	BelowCal	BelowCal
23) Hexachlor...	3.283f	3.751	5482	9537	0.025	0.022
24) Hexachlor...	0.000	6.533	0	7919	N.D.	0.022 #
25) Oxychlordane	7.319	7.998	14890	9876	0.074	0.032 #
26) 2,4'-DDE	7.398	8.196	2897	8886	0.019	0.038 #
27) trans-Non...	7.566	8.268	11341	8986	0.051	0.026 #
28) 2,4'-DDD	7.777	8.572	13752	15999	0.100	0.077

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:13
 Operator : MJB
 Sample : 0B25043-CALQ
 Misc : A20B334, TOX 10 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:53:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.965	8.777	24758	26957	0.191	0.195
30) cis-Nonac...	8.049	8.827	28759	17600	0.115	0.047 #
31) Mirex	8.709	9.745	43890	17325	0.085	BelowCal #
32) Chlordane...	7.506	8.196	7783	8886	0.314	0.209 #
33) Chlordane...	7.566	8.328f	11341	7033	0.412	0.200 #
34) Chlordane...	8.114f	8.983	15080	103308	2.012	9.595 #
35) Chlordane...	0.000	3.751	0	9537	N.D.	NoCal
36) Toxaphene...	7.566	8.532	11341	29979	10.695	10.602
37) Toxaphene...	7.859	8.881	22995	35085	11.675	10.113
38) Toxaphene...	8.172	8.916	44681	66638	11.117	11.606
39) Toxaphene...	8.412	8.983	43252	103308	11.070	11.171
40) Toxaphene...	8.641	9.160	30451	54652	10.094	10.775
41) Toxaphene...	8.709	9.543	43890	55348	11.129	10.362
42) Toxaphene...	0.000	3.751	0	9537	N.D.	NoCal

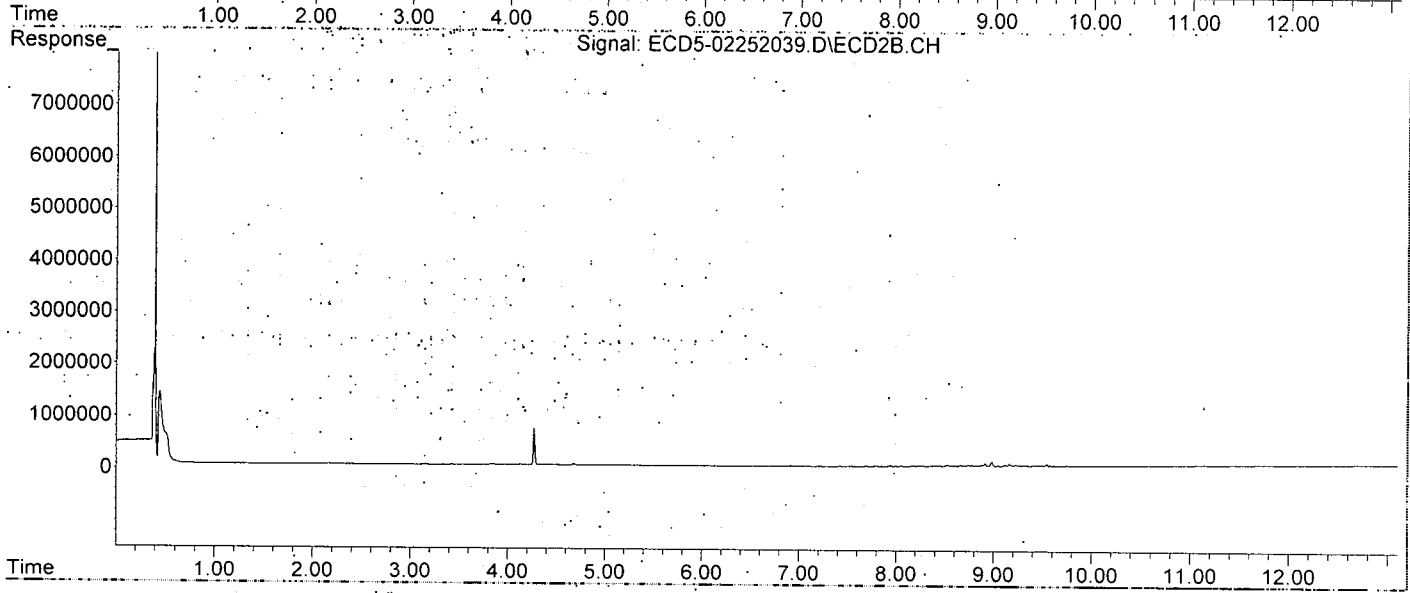
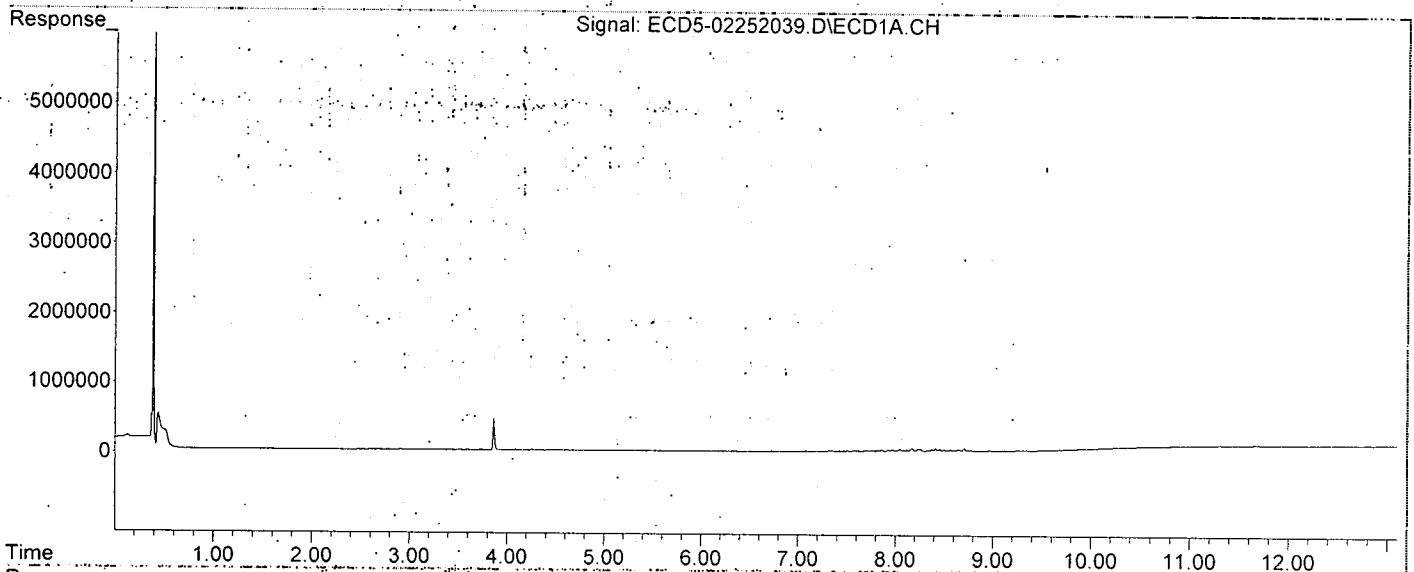
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 23:13
Operator : MJB
Sample : 0B25043-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:53:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:30
 Operator : MJB
 Sample : 0B25043-CALR
 Misc : A19J417, TOX 50 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:53:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.053	0	19626	N.D.	0.057 #
22) S DCBP (S)	9.660	10.611f	5446	2627	BelowCal	0.014

Target Compounds

2) a-BHC	5.993	0.000	3137	0	0.011	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.345	0.000	10737	0.13405	7.99	N.D. #
5) Heptachlor	6.728f	0.000	4769	0	0.020	N.D. #
6) d-BHC	6.507	0.000	2804	0	0.011	N.D. #
7) Aldrin	6.932	7.630	5981	13775	0.025	0.036 #
8) Heptachlo...	7.422f	8.049	33977	51056	0.151	0.148
9) trans-Chl...	7.507	8.177f	43440	57772	0.191	0.163
10) cis-Chlor...	7.566f	8.285f	58140	54256	0.263	0.163 #
11) Endosulfa...	7.693	8.360	68856	73374	0.334	0.236 #
12) 4,4'-DDE	7.615f	8.426	49309	87796	0.219	0.296 #
13) Dieldrin	7.860	8.573	108818	89527	0.472	0.258 #
14) Endrin	8.049f	8.778	139005	149761	0.839	0.653
15) 4,4'-DDD	8.049	8.830	139005	102839	0.746	0.387 #
16) Endosulfa...	8.173	8.917	208175	286968	1.014	1.004
17) 4,4'-DDT	8.248	9.048	175285	105531	1.241	0.663 #
18) Endrin Al...	8.460	9.161	131953	253707	0.430	0.785 #
19) Endosulfa...	8.778	9.363	69440	97773	0.024	0.064 #
20) Methoxychlor	8.611	9.543	63072	265807	0.724	2.869 #
21) Endrin Ke...	8.963	9.764	49202	22199	0.010	BelowCal #
23) Hexachlor...	3.284f	0.000	4884	0	0.022	N.D. #
24) Hexachlor...	5.839	6.515	5608	9971	0.025	0.027
25) Oxychlorane	7.327	7.998	51857	51774	0.259	0.169 #
26) 2,4'-DDE	7.422f	8.177	33977	57772	0.223	0.245
27) trans-Non...	7.566	8.269	58140	57746	0.260	0.170 #
28) 2,4'-DDD	7.778	8.573	77706	89527	0.567	0.429

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:30
 Operator : MJB
 Sample : 0B25043-CALR
 Misc : A19J417, TOX 50 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:53:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4-DDT	7.966	8.778	124203	149761	0.961	0.933
30) cis-Nonac...	8.049	8.830	139005	102839	0.555	0.274 #
31) Mirex	8.709	9.764	201655	22199	1.204	BelowCal #
32) Chlordane...	7.507	8.177	43440	57772	1.751	1.361
33) Chlordane...	7.566	8.285	58140	54256	2.111	1.545 #
34) Chlordane...	8.114f	8.984	91024	459206	12.146	42.651 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.566	8.533	58140	151694	54.828	53.648
37) Toxaphene...	7.860	8.881	108818	175705	55.249	50.647
38) Toxaphene...	8.173	8.917	208175	286968	51.797	49.980
39) Toxaphene...	8.413	8.984	203857	459206	52.174	49.655
40) Toxaphene...	8.642	9.161	155631	253707	51.589	50.019
41) Toxaphene...	8.709	9.543	201655	265807	51.133	49.763
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

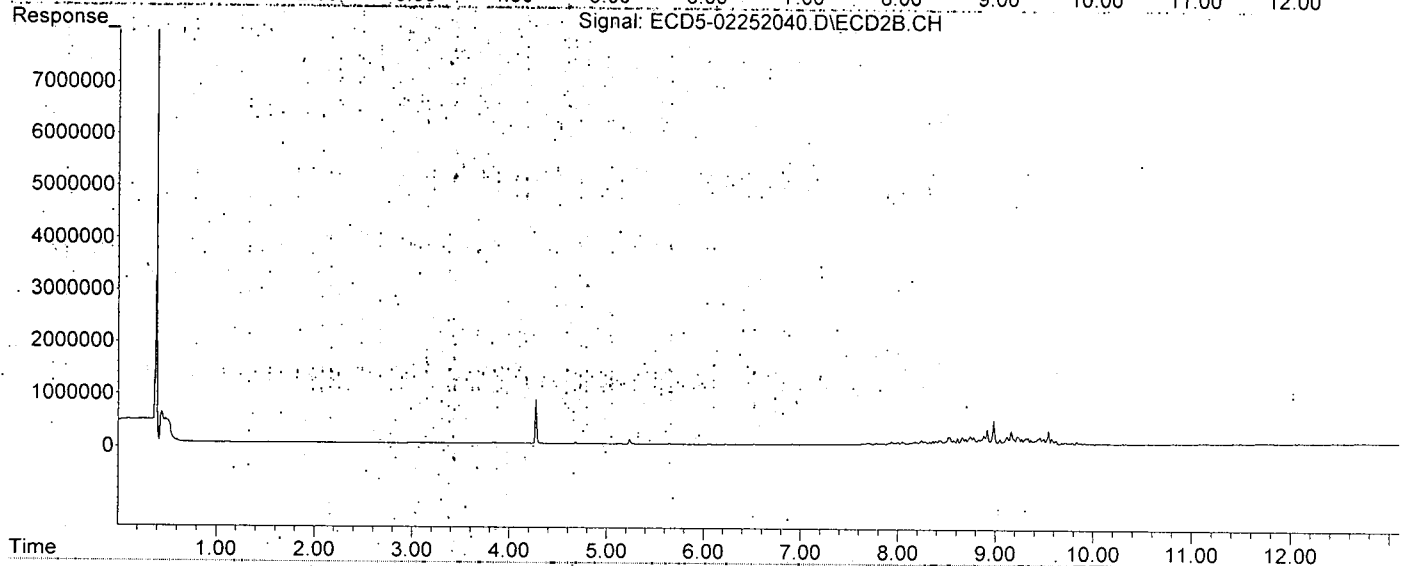
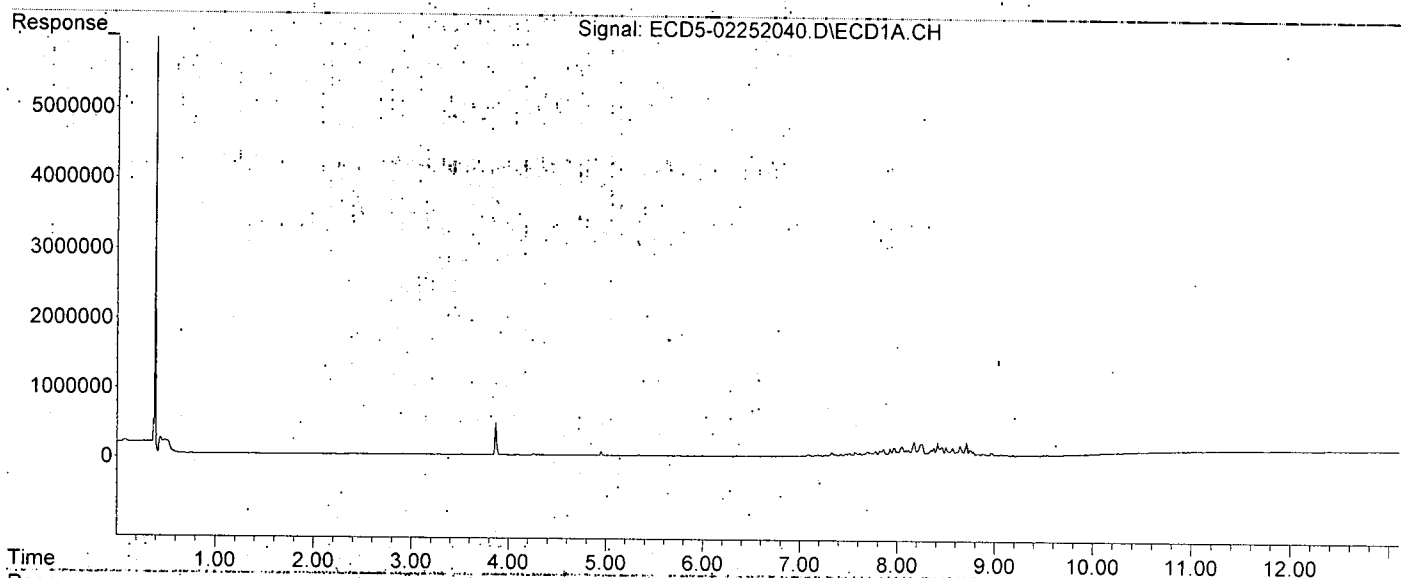
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 23:30
Operator : MJB
Sample : 0B25043-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:53:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:47
 Operator : MJB
 Sample : 0B25043-CALS
 Misc : A19J418, TOX 100 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.052	0	10926	N.D.	0.032 #
22) S DCBP (S)	9.660	10.631	17641	12475	BelowCal	0.064

Target Compounds

2) a-BHC	5.994	0.000	3380	0	0.012	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.345	7.026	10367	4783	13405.803	BelowCal #
5) Heptachlor	6.691	7.318f	3800	7936	0.016	0.021 #
6) d-BHC	6.508	7.293	3447	6463	0.014	BelowCal #
7) Aldrin	6.932	7.630	11860	25945	0.049	0.068 #
8) Heptachlo...	7.423f	8.049	63766	97367	0.283	0.282
9) trans-Chl...	7.508	8.177f	81968	108878	0.360	0.308
10) cis-Chlor...	7.566f	8.285f	107933	102871	0.488	0.309 #
11) Endosulfa...	7.694	8.360	130254	139805	0.632	0.450 #
12) 4,4'-DDE	7.616f	8.427	89242	166246	0.396	0.531 #
13) Dieldrin	7.860	8.573	199066	167701	0.864	0.484 #
14) Endrin	8.049f	8.778	256507	287079	1.548	1.279
15) 4,4'-DDD	8.087	8.830	169997	193281	0.912	0.731
16) Endosulfa...	8.173	8.918	388473	541748	2.095	2.065
17) 4,4'-DDT	8.253	9.048	326014	203776	2.312	1.202 #
18) Endrin Al...	8.460	9.161	251962	480655	1.235	1.851 #
19) Endosulfa...	8.778	9.364	135218	195492	0.447	0.517
20) Methoxychlor	8.612	9.544	123090	500574	1.583	5.410 #
21) Endrin Ke...	8.964	9.745	95473	39084	0.255	BelowCal #
23) Hexachlor...	3.286f	0.000	6026	0	0.027	N.D. #
24) Hexachlor...	0.000	6.533	0	9098	N.D.	0.025 #
25) Oxychlorane	7.328	7.999	87942	94166	0.439	0.306 #
26) 2,4'-DDE	7.423f	8.177	63766	108878	0.418	0.463
27) trans-Non...	7.566	8.270	107933	108493	0.482	0.319 #
28) 2,4'-DDD	7.778	8.573	143523	167701	1.047	0.803

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:47
 Operator : MJB
 Sample : 0B25043-CALS
 Misc : A19J418, TOX 100 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.966	8.778	231967	287079	1.794	1.755
30)	cis-Nonac...	8.049	8.830	256507	193281	1.025	0.515 #
31)	Mirex	8.710	9.745	379633	39084	2.465	0.049 #
32)	Chlordane...	7.508	8.177	81968	108878	3.303	2.566
33)	Chlordane...	7.566	8.285	107933	102871	3.919	2.929 #
34)	Chlordane...	8.114f	8.985	171107	863932	22.833	80.241 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.566	8.533	107933	279984	101.783	99.019
37)	Toxaphene...	7.860	8.882	199066	334014	101.069	96.280
38)	Toxaphene...	8.173	8.918	388473	541748	96.658	94.354
39)	Toxaphene...	8.413	8.985	371980	863932	95.203	93.420
40)	Toxaphene...	8.642	9.161	290355	480655	96.248	94.763
41)	Toxaphene...	8.710	9.544	379633	500574	96.263	93.716
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

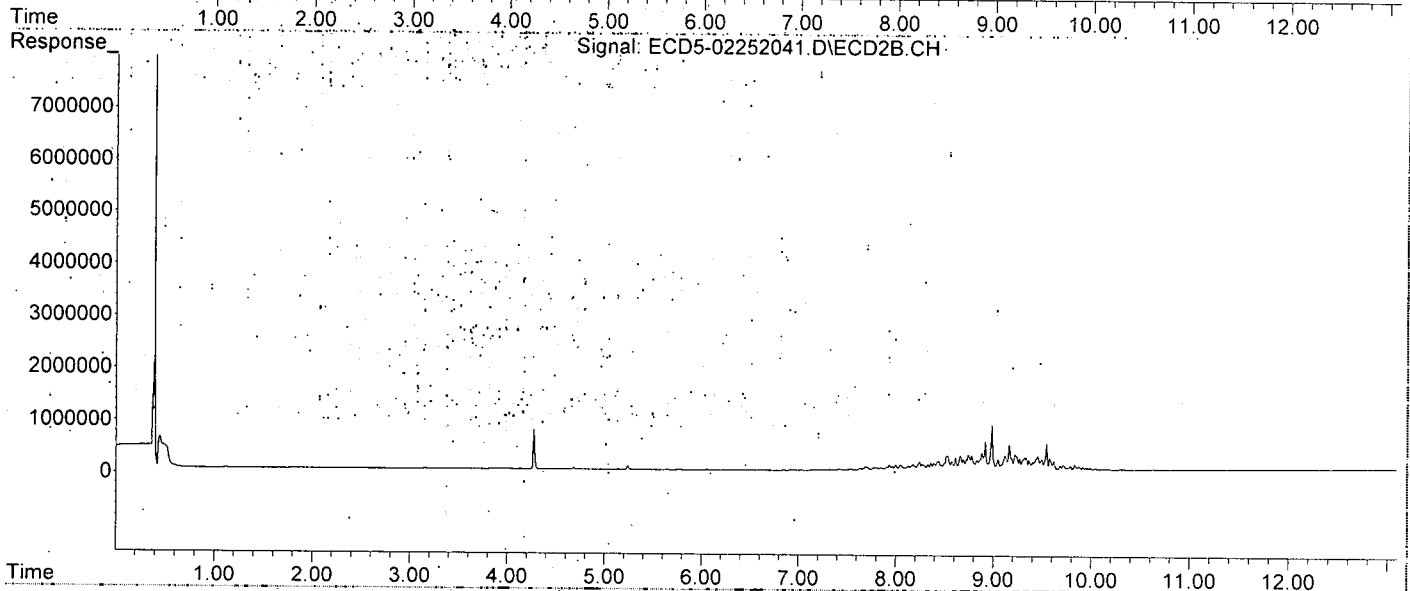
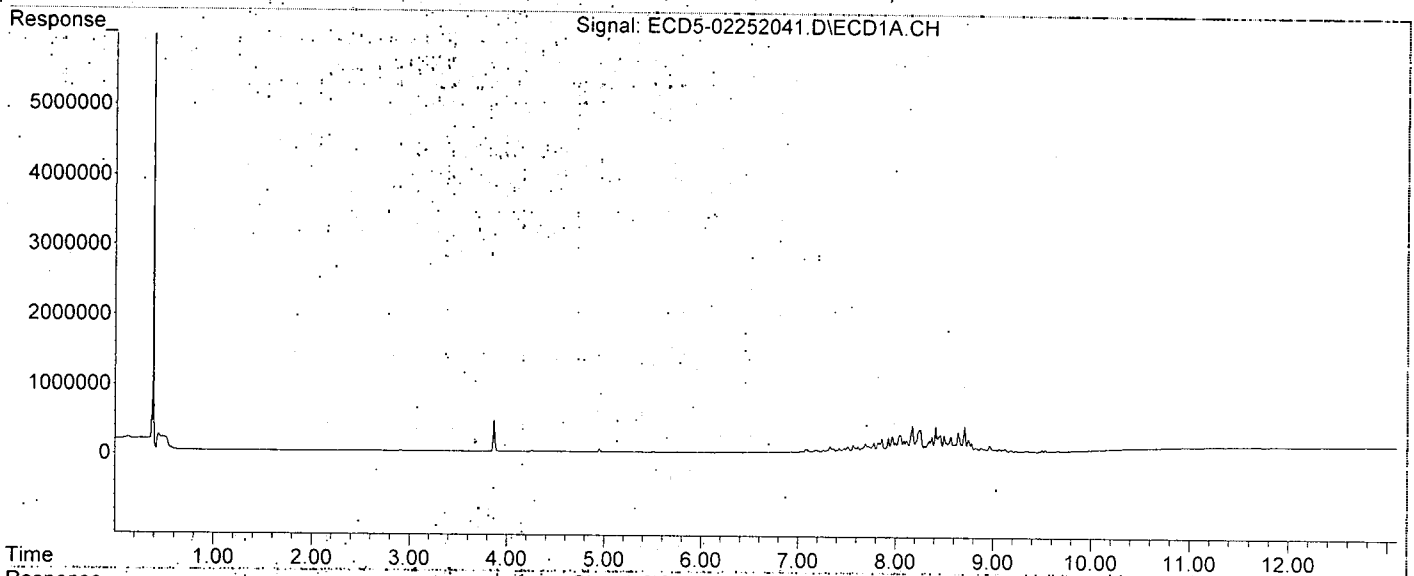
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 23:47
Operator : MJB
Sample : 0B25043-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:54:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:04
 Operator : MJB
 Sample : 0B25043-CALT
 Misc : A19J419, TOX 200 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:17 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.053	0	13073	N.D.	0.038 #
22) S DCBP (S)	9.659	10.630	19015	10346	BelowCal	0.053

Target Compounds

2) a-BHC	5.995	0.000	4279	0	0.015	N.D. #
3) g-BHC	6.289	6.966	2684	8761	0.011	0.021 #
4) b-BHC	6.345	7.026	11084	10948	13405.796	BelowCal #
5) Heptachlor	6.692	7.352	7886	20049	0.034	0.054 #
6) d-BHC	6.529f	7.294	6253	21254	0.025	BelowCal #
7) Aldrin	6.933	7.643f	23782	54393	0.099	0.143 #
8) Heptachlo...	7.399	8.049	71638	192626	0.318	0.558 #
9) trans-Chl...	7.508	8.176f	155727	220640	0.684	0.624
10) cis-Chlor...	7.565f	8.285f	208805	202094	0.945	0.606 #
11) Endosulfa...	7.693	8.360	247684	271084	1.203	0.873 #
12) 4,4'-DDE	7.615f	8.426	171685	323525	0.762	1.003 #
13) Dieldrin	7.859	8.573	374128	333972	1.623	0.964 #
14) Endrin	8.047f	8.778	501054	581792	3.023	2.620
15) 4,4'-DDD	8.087	8.829	344625	394583	1.849	1.495
16) Endosulfa...	8.172	8.917	764681	1091039	4.351	4.343
17) 4,4'-DDT	8.249	9.048	658583	407623	4.667	2.314 #
18) Endrin Al...	8.458	9.160	507178	974015	2.945	4.158 #
19) Endosulfa...	8.778	9.363	274091	393213	1.339	1.432
20) Methoxychlor	8.611	9.543	255883	1029268	3.478	11.033 #
21) Endrin Ke...	8.963	9.786f	194811	179128	0.782	0.527 #
23) Hexachlor...	3.285f	0.000	4390	0	0.020	N.D. #
24) Hexachlor...	0.000	6.533	0	8994	N.D.	0.025 #
25) Oxychlorane	7.328	7.999	165094	180120	0.824	0.586 #
26) 2,4'-DDE	7.399	8.176	71638	220640	0.470	0.937 #
27) trans-Non...	7.565	8.270	208805	219015	0.932	0.644 #
28) 2,4'-DDD	7.778	8.573	278411	333972	2.032	1.599

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:04
 Operator : MJB
 Sample : 0B25043-CALT
 Misc : A19J419, TOX 200 ppb
 ALS Vial : 36 (Sig #1), 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:17 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.965	8.778	450616	581792	3.485	3.509
30) cis-Nonac...	8.047	8.829	501054	394583	2.002	1.051 #
31) Mirex	8.709	9.786f	757030	179128	5.139	0.782 #
32) Chlordane...	7.508	8.176f	155727	220640	6.276	5.199
33) Chlordane...	7.565	8.285	208805	202094	7.582	5.755
34) Chlordane...	8.113f	8.985	348777	1727294	46.542	160.429 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.565	8.533	208805	553315	196.908	195.685
37) Toxaphene...	7.859	8.881	374128	673874	189.952	194.246
38) Toxaphene...	8.172	8.917	764681	1091039	190.265	190.022
39) Toxaphene...	8.412	8.985	751450	1727294	192.324	186.777
40) Toxaphene...	8.642	9.160	591464	974015	196.061	192.031
41) Toxaphene...	8.709	9.543	757030	1029268	191.958	192.696
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

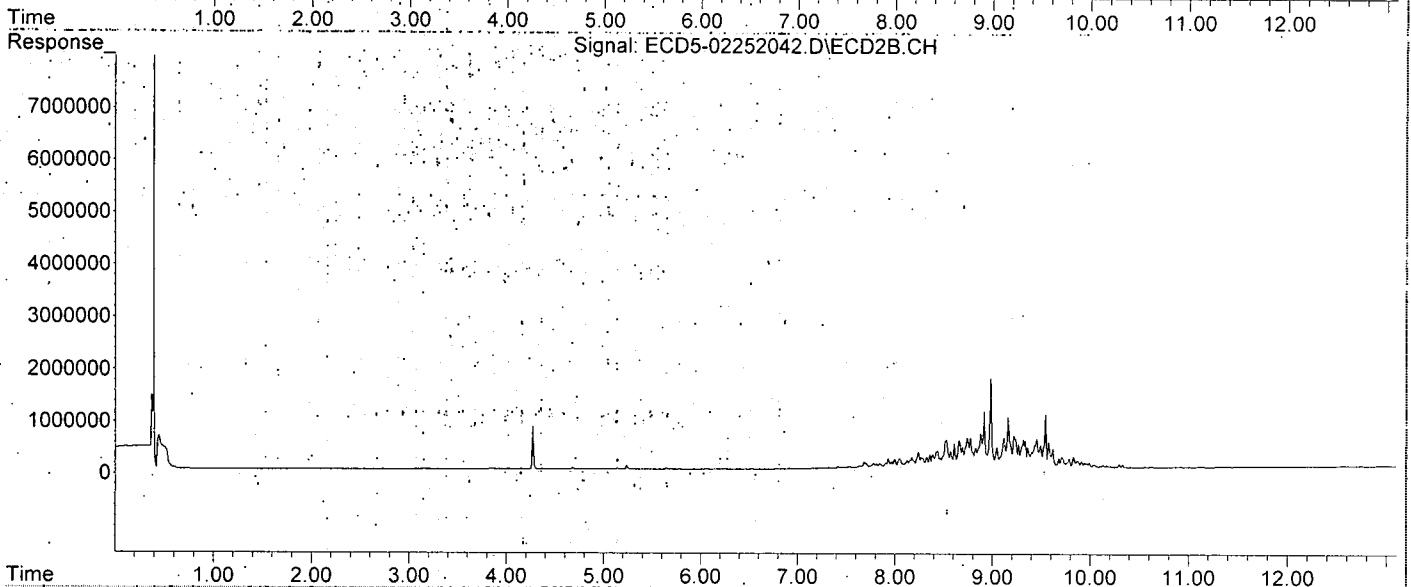
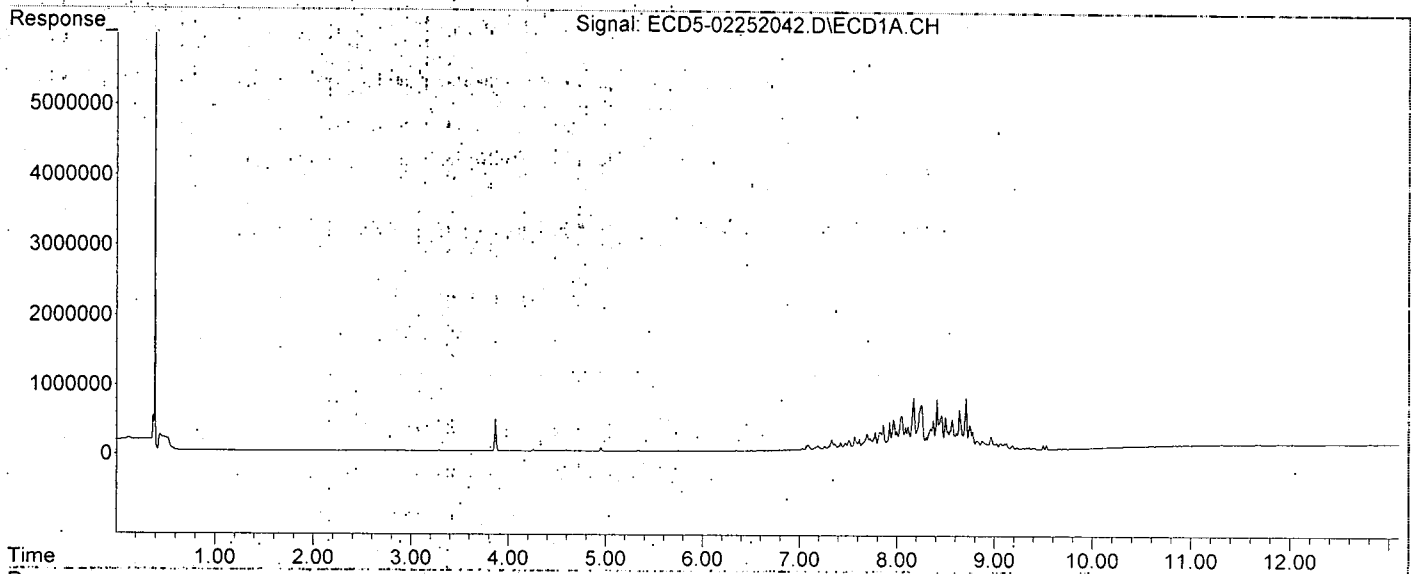
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:04
Operator : MJB
Sample : 0B25043-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:54:17 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42.2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:21
 Operator : MJB
 Sample : 0B25043-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.051	0	8097	N.D.	0.024 #
22) S DCBP (S)	9.658	10.612f	29730	29823	BelowCal	0.154

Target Compounds

2) a-BHC	5.996	6.655	6873	7382	0.024	0.040 #
3) g-BHC	6.289	6.966	6435	23793	0.025	0.058 #
4) b-BHC	6.346	7.027	13728	30824	13405.771	0.007 #
5) Heptachlor	6.694	7.357	22614	52231	0.097	0.140 #
6) d-BHC	6.493	7.294	15064	51566	0.060	0.067
7) Aldrin	6.933	7.644f	58213	128456	0.242	0.339 #
8) Heptachlo...	7.423f	8.050	291740	453115	1.296	1.313
9) trans-Chl...	7.508	8.177	371647	514556	1.633	1.456
10) cis-Chlor...	7.565f	8.284f	502529	488459	2.274	1.465 #
11) Endosulfa...	7.694	8.361	598312	650597	2.905	2.096 #
12) 4,4'-DDE	7.615f	8.426	407613	793419	1.808	2.409 #
13) Dieldrin	7.860	8.573	902886	792534	3.918	2.288 #
14) Endrin	8.049f	8.779	1212289	1472296	7.314	6.635
15) 4,4'-DDD	8.087	8.830	852696	996185	4.576	3.769
16) Endosulfa...	8.172	8.918	1906098	2719332	11.179	11.015
17) 4,4'-DDT	8.253	9.048	1653827	1036418	11.640	5.703 #
18) Endrin Al...	8.459	9.162	1259407	2425185	7.985	10.877 #
19) Endosulfa...	8.779	9.364	691627	996207	4.020	4.210
20) Methoxychlor	8.611	9.544	629109	2567429	8.769	26.695 #
21) Endrin Ke...	8.964	9.786f	477382	466641	2.280	1.682 #
23) Hexachlor...	3.286f	0.000	6639	0	0.030	N.D. #
24) Hexachlor...	5.877f	6.533	2800	10977	0.012	0.030 #
25) Oxychlorane	7.328	8.000	384699	415685	1.921	1.353 #
26) 2,4'-DDE	7.423f	8.177	291740	514556	1.913	2.186
27) trans-Non...	7.565	8.271	502529	516788	2.243	1.519 #
28) 2,4'-DDD	7.778	8.573	681265	792534	4.972	3.794

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:21
 Operator : MJB
 Sample : 0B25043-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volumé Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.965	8.779	1095427	1472296	8.471	8.713
30) cis-Nonac...	8.049	8.830	1212289	996185	4.843	2.653 #
31) Mirex	8.709	9.786f	1873668	466641	13.031	2.285 #
32) Chlordane...	7.508	8.177	371647	514556	14.978	12.125
33) Chlordane...	7.565	8.284	502529	488459	18.248	13.909
34) Chlordane...	8.113f	8.986	853162	4378899	113.848	406.707 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.565	8.533	502529	1333338	473.896	471.548
37) Toxaphene...	7.860	8.882	902886	1691199	458.412	487.492
38) Toxaphene...	8.172	8.918	1906098	2719332	474.267	473.616
39) Toxaphene...	8.413	8.986	1894280	4378899	484.816	473.503
40) Toxaphene...	8.642	9.162	1451072	2425185	481.007	478.135
41) Toxaphene...	8.709	9.544	1873668	2567429	475.101	480.664
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

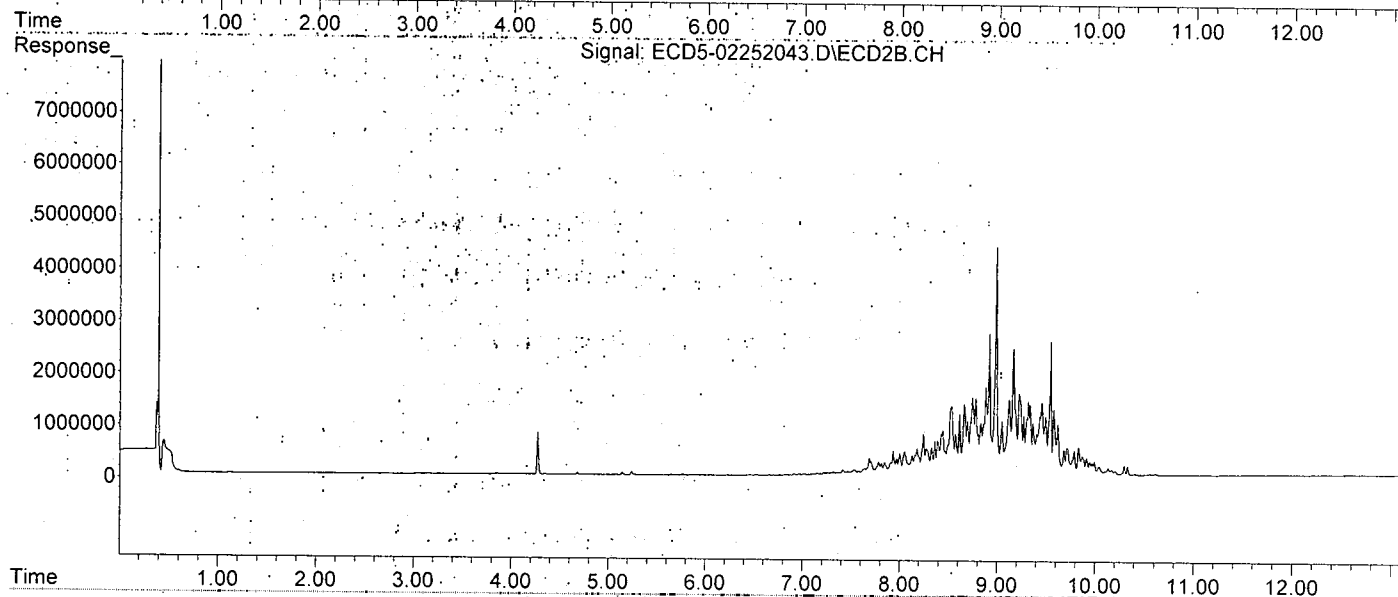
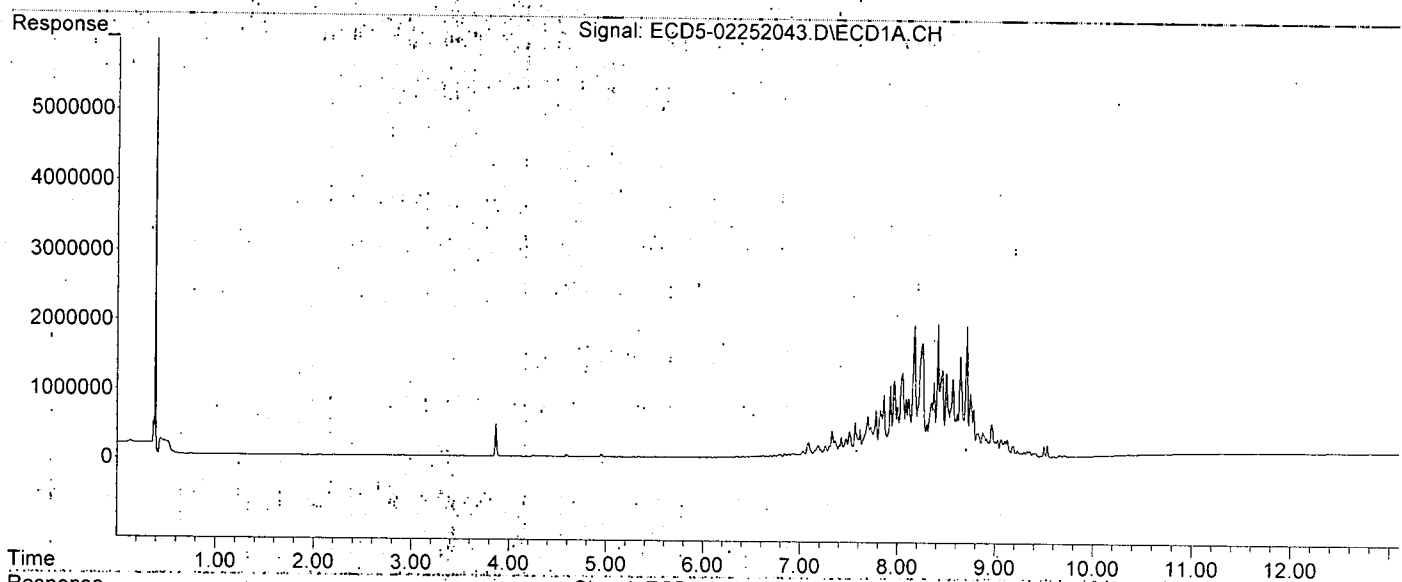
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:21
Operator : MJB
Sample : 0B25043-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:54:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:38
 Operator : MJB
 Sample : 0B25043-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.050	0	8074	N.D.	0.023 #
22) S DCBP (S)	9.658	10.612f	69511	78316	0.190	0.404 #

Target Compounds

2) a-BHC	5.996	6.655	10762	18716	0.038	0.065 #
3) g-BHC	6.288	6.966	11948	51490	0.047	0.126 #
4) b-BHC	6.354	7.027	21240	62989	0.006	0.200 #
5) Heptachlor	6.694	7.352	45675	100502	0.196	0.270 #
6) d-BHC	6.493	7.293	28036	93666	0.111	0.184 #
7) Aldrin	6.933	7.644f	110333	243510	0.459	0.642 #
8) Heptachlo...	7.422f	8.049	568693	892538	2.526	2.587
9) trans-Chl...	7.508	8.177f	742026	1030576	3.261	2.916
10) cis-Chlor...	7.565f	8.285	1016048	954593	4.598	2.863 #
11) Endosulfa...	7.693	8.360	1223929	1299174	5.943	4.186 #
12) 4,4'-DDE	7.615f	8.425	806256	1605520	3.577	4.829 #
13) Dieldrin	7.859	8.573	1836951	1634614	7.970	4.719 #
14) Endrin	8.048f	8.778	2512912	3170959	15.161	14.154
15) 4,4'-DDD	8.087	8.830	1743654	2085858	9.358	7.854
16) Endosulfa...	8.172	8.917	3990757	5679715	23.596	22.852
17) 4,4'-DDT	8.249	9.048	3397060	2225990	23.593	11.945 #
18) Endrin Al...	8.459	9.161	2642193	5137081	17.243	23.169 #
19) Endosulfa...	8.777	9.364	1475071	2147903	9.043	9.466
20) Methoxychlor	8.611	9.544	1353460	5434405	18.890	53.591 #
21) Endrin Ke...	8.962	9.785f	1017437	1045625	5.138	3.996
23) Hexachlor...	3.286f	0.000	5286	0	0.024	N.D. #
24) Hexachlor...	5.877f	6.514	4706	14707	0.021	0.040 #
25) Oxychlorane	7.327	8.000	754583	812500	3.768	2.644 #
26) 2,4'-DDE	7.422f	8.177	568693	1030576	3.728	4.378
27) trans-Non...	7.565	8.270	1016048	1030037	4.536	3.027 #
28) 2,4'-DDD	7.778	8.573	1400088	1634614	10.218	7.824

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:38
 Operator : MJB
 Sample : 0B25043-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.964	8.778	2271110	3170959	17.563	18.283
30)	cis-Nonac...	8.048	8.830	2512912	2085858	10.039	5.554 #
31)	Mirex	8.709	9.785f	3931248	1045625	27.502	5.297 #
32)	Chlordane...	7.508	8.177	742026	1030576	29.905	24.284
33)	Chlordane...	7.565	8.285	1016048	954593	36.896	27.183 #
34)	Chlordane...	8.113f	8.985	1794601	9443957	239.475	877.145 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.565	8.534	1016048	2769168	958.155	979.344
37)	Toxaphene...	7.859	8.881	1836951	3540659	932.654	1020.603
38)	Toxaphene...	8.172	8.917	3990757	5679715	992.964	989.215
39)	Toxaphene...	8.412	8.985	3823934	9443957	978.685	1021.203
40)	Toxaphene...	8.641	9.161	3053151	5137081	1012.069	1012.797
41)	Toxaphene...	8.709	9.544	3931248	5434405	996.837	1017.408
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

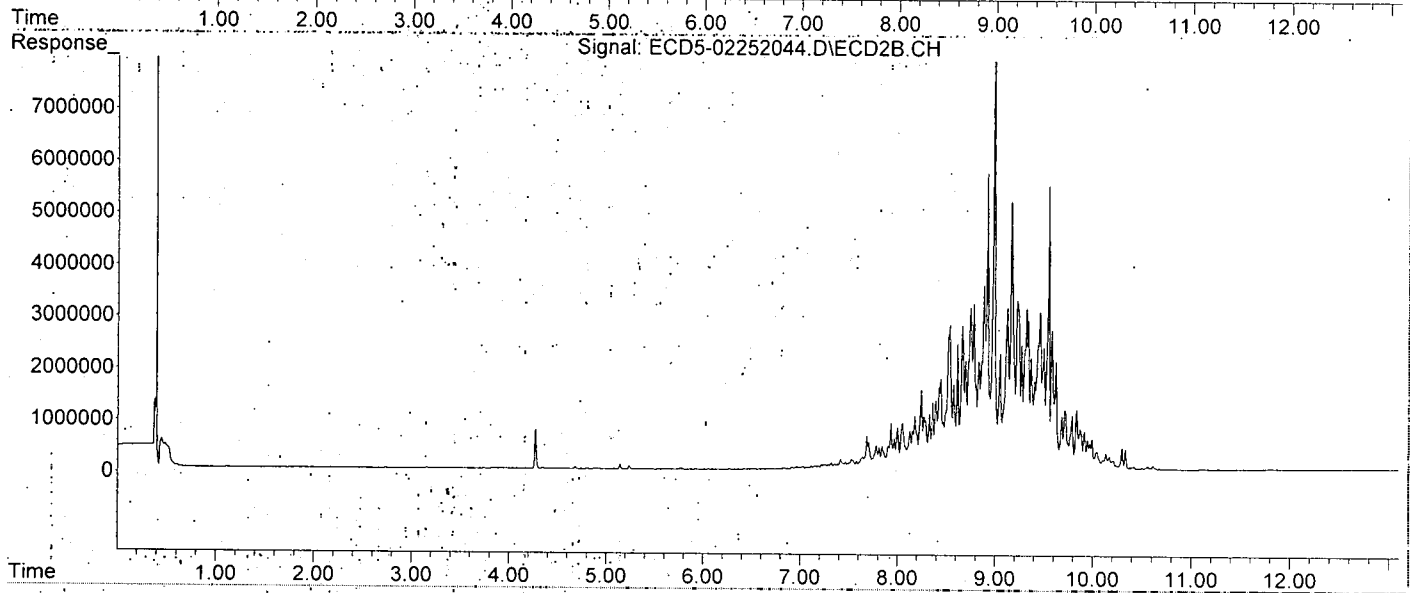
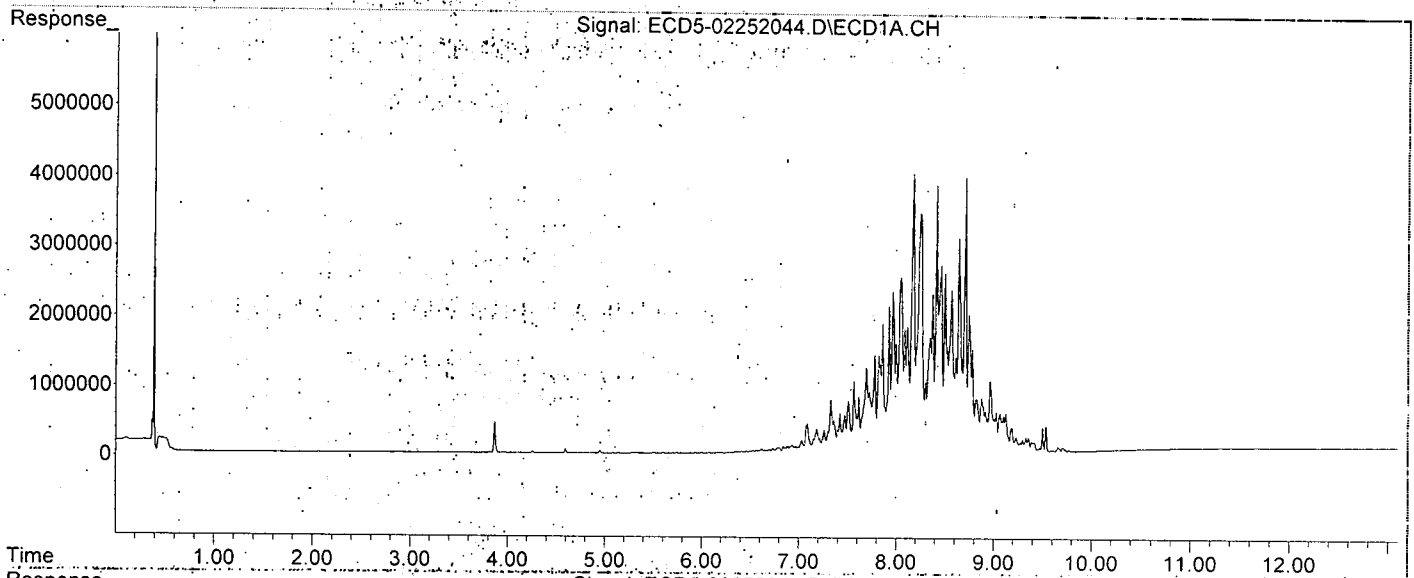
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:38
Operator : MJB
Sample : 0B25043-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:54:38 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:55
 Operator : MJB
 Sample : 0B25043-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.473	6.049	4530	11538	0.021	0.033 #
22) S DCBP (S)	9.658	10.612	151496	177435	0.713	0.915 #

Target Compounds

2) a-BHC	5.997	6.655	18549	34520	0.065	0.101 #
3) g-BHC	6.287	6.966	22528	86290	0.089	0.211 #
4) b-BHC	6.354	7.026	36009	111619	0.145	0.492 #
5) Heptachlor	6.694	7.353	82832	174534	0.355	0.469 #
6) d-BHC	6.492	7.293	51583	155649	0.205	0.356 #
7) Aldrin	6.933	7.643f	201205	432075	0.837	1.139 #
8) Heptachlo...	7.421f	8.049	1109398	1701203	4.928	4.931
9) trans-Chl...	7.507	8.176f	1416079	2005629	6.223	5.674
10) cis-Chlor...	7.564f	8.284f	1963084	1810084	8.883	5.428 #
11) Endosulfa...	7.692	8.360	2450814	2528654	11.899	8.147 #
12) 4,4'-DDE	7.614f	8.426	1570299	3150047	6.966	9.399 #
13) Dieldrin	7.859	8.572	3614562	3206719	15.683	9.258 #
14) Endrin	8.048f	8.779	4973601	6533668	30.007	28.538
15) 4,4'-DDD	8.086	8.831	3503824	4294587	18.804	16.001
16) Endosulfa...	8.172	8.918	7981234	11594452	47.173	45.490
17) 4,4'-DDT	8.250	9.048	6815281	4554451	46.160	23.596 #
18) Endrin Al...	8.459	9.162	5410603	10603539	35.757	47.000 #
19) Endosulfa...	8.778	9.363	2994681	4498966	18.759	20.003
20) Methoxychlor	8.611	9.544	2728345	11635220	37.598	104.449 #
21) Endrin Ke...	8.962	9.785f	2101433	2201767	10.855	8.575
23) Hexachlor...	3.286f	0.000	4996	0	0.022	N.D. #
24) Hexachlor...	5.845	6.513	3362	22312	0.015	0.061 #
25) Oxychlorane	7.327	7.999	1471369	1529017	7.346	4.976 #
26) 2,4'-DDE	7.421f	8.176	1109398	2005629	7.273	8.521
27) trans-Non...	7.564	8.269	1963084	2046891	8.764	6.015 #
28) 2,4'-DDD	7.777	8.572	2749042	3206719	20.063	15.350

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
 Data File : ECD5-02252045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:55
 Operator : MJB
 Sample : 0B25043-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:54:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2µL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.964	8.779	4546182	6533668	35.157	36.045
30) cis-Nonac...	8.048	8.831	4973601	4294587	19.869	11.435 #
31) Mirex	8.709	9.785f	7847735	2201767	54.801	11.262 #
32) Chlordane...	7.507	8.176f	1416079	2005629	57.071	47.259
33) Chlordane...	7.564	8.284	1963084	1810084	71.286	51.544 #
34) Chlordane...	8.112f	8.986	3534759	19485393	471.685	1809.783 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.564	8.534	1963084	5517985	1851.230	1951.489
37) Toxaphene...	7.859	8.881	3614562	7258199	1835.180	2092.193
38) Toxaphene...	8.172	8.918	7981234	11594452	1985.858	2019.364
39) Toxaphene...	8.412	8.986	7717268	19485393	1975.133	2107.013
40) Toxaphene...	8.642	9.162	6286579	10603539	2083.897	2090.532
41) Toxaphene...	8.709	9.544	7847735	11635220	1989.931	2178.301
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

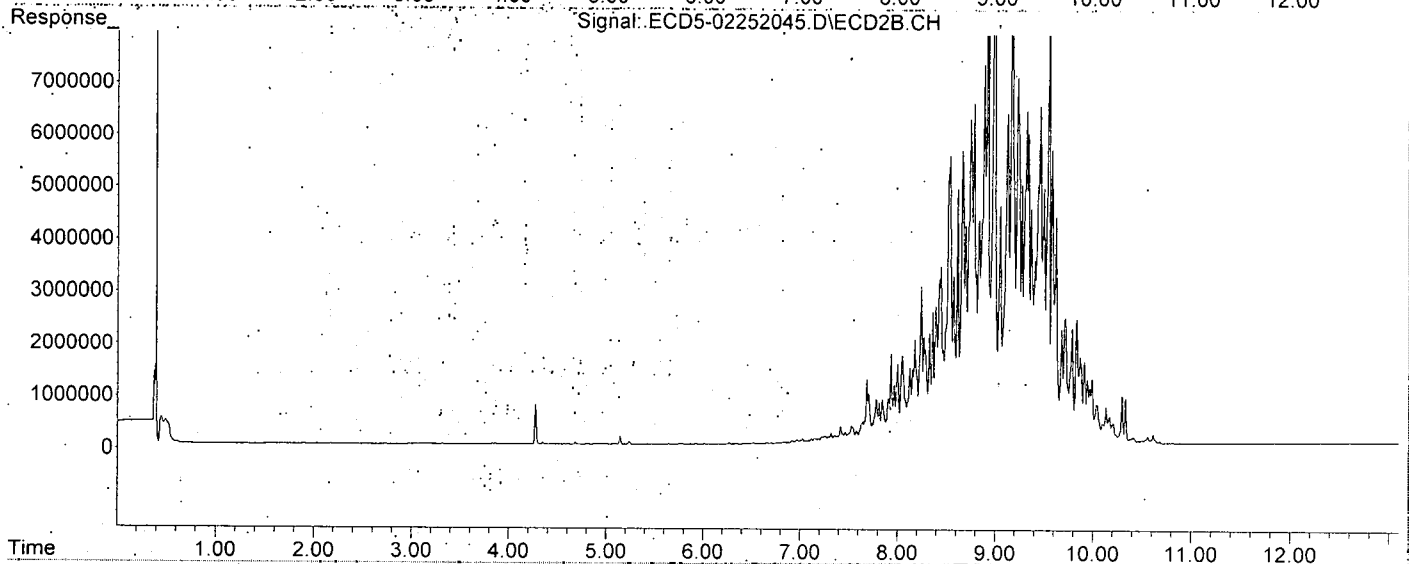
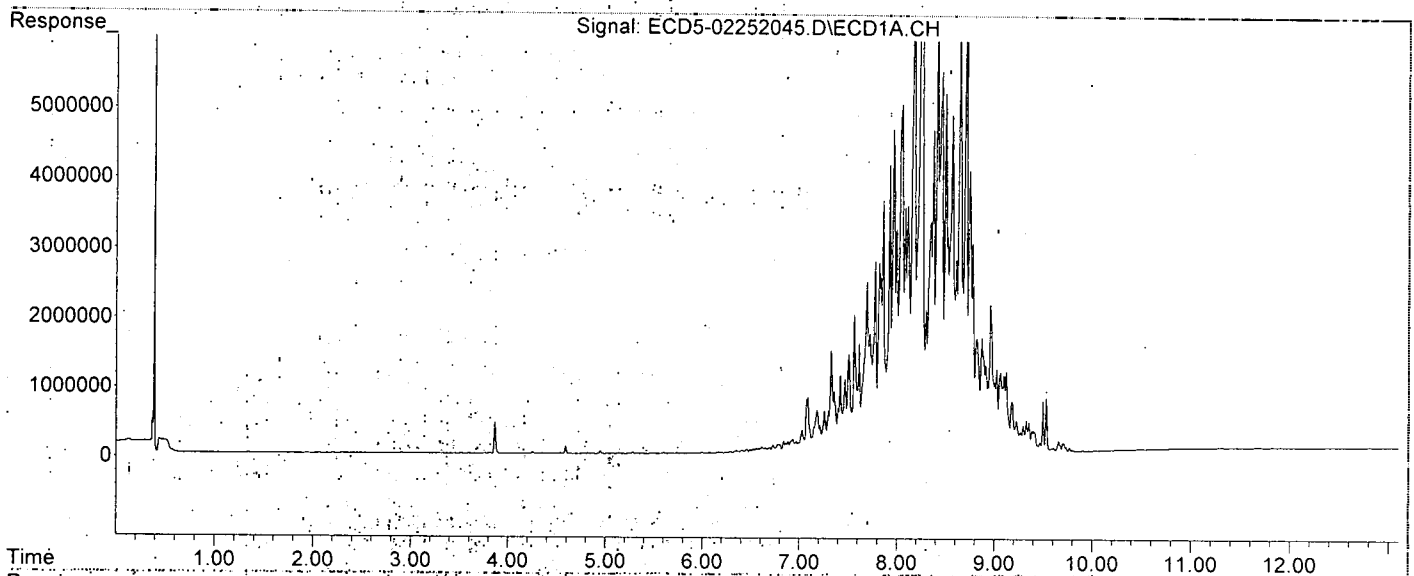
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\REQUANT\
Data File : ECD5-02252045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:55
Operator : MJB
Sample : 0B25043-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:54:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Sequence Name: C:\msdchem\1\sequence\0B25043.s

Comment: Pesticides

Operator: MJB

Data Path: C:\MSDCHEM\1\DATA\2020-02\0B25043\

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	2 Conditioning Run
Datafile	ECD5-02252001
Method	ECD5_AQUPEST_160111
2) Sample	2 Conditioning Run
Datafile	ECD5-02252002
Method	ECD5_AQUPEST_160111
3) Sample	1 Hexane
Datafile	ECD5-02252003
Method	ECD5_AQUPEST_160111
4) Sample	3 0B25043-BKD1
Datafile	ECD5-02252004
Method	ECD5_AQUPEST_160111
5) Sample	1 Hexane
Datafile	ECD5-02252005
Method	ECD5_AQUPEST_160111
6) Sample	3 0B25043-BKD2
Datafile	ECD5-02252006
Method	ECD5_AQUPEST_160111
7) Sample	4 0B25043-ICB1
Datafile	ECD5-02252007
Method	ECD5_AQUPEST_160111
8) Sample	5 0B25043-CAL1
Datafile	ECD5-02252008
Method	ECD5_AQUPEST_160111
9) Sample	6 0B25043-CAL2
Datafile	ECD5-02252009
Method	ECD5_AQUPEST_160111
10) Sample	7 0B25043-CAL3
Datafile	ECD5-02252010
Method	ECD5_AQUPEST_160111
11) Sample	8 0B25043-CAL4
Datafile	ECD5-02252011
Method	ECD5_AQUPEST_160111
12) Sample	9 0B25043-CAL5
Datafile	ECD5-02252012
Method	ECD5_AQUPEST_160111
13) Sample	10 0B25043-CAL6
Datafile	ECD5-02252013
Method	ECD5_AQUPEST_160111
14) Sample	11 0B25043-CAL7
Datafile	ECD5-02252014
Method	ECD5_AQUPEST_160111

→ Failed

→ cut to 6" off guard column

MJB 2/26/20

15) Sample	12 0B25043-CAL8
Datafile	ECD5-02252015
Method	ECD5_AQUPEST_160111
16) Sample	13 0B25043-CAL9
Datafile	ECD5-02252016
Method	ECD5_AQUPEST_160111
17) Sample	1 0B25043-IBL1
Datafile	ECD5-02252017
Method	ECD5_AQUPEST_160111
18) Sample	14 0B25043-ICV1
Datafile	ECD5-02252018
Method	ECD5_AQUPEST_160111
19) Sample	15 0B25043-CALA
Datafile	ECD5-02252019
Method	ECD5_AQUPEST_160111
20) Sample	16 0B25043-CALB
Datafile	ECD5-02252020
Method	ECD5_AQUPEST_160111
21) Sample	17 0B25043-CALC
Datafile	ECD5-02252021
Method	ECD5_AQUPEST_160111
22) Sample	18 0B25043-CALD
Datafile	ECD5-02252022
Method	ECD5_AQUPEST_160111
23) Sample	19 0B25043-CALE
Datafile	ECD5-02252023
Method	ECD5_AQUPEST_160111
24) Sample	20 0B25043-CALF
Datafile	ECD5-02252024
Method	ECD5_AQUPEST_160111
25) Sample	21 0B25043-CALG
Datafile	ECD5-02252025
Method	ECD5_AQUPEST_160111
26) Sample	22 0B25043-CALH
Datafile	ECD5-02252026
Method	ECD5_AQUPEST_160111
27) Sample	23 0B25043-CALI
Datafile	ECD5-02252027
Method	ECD5_AQUPEST_160111
28) Sample	1 0B25043-IBL2
Datafile	ECD5-02252028
Method	ECD5_AQUPEST_160111
29) Sample	24 0B25043-ICV2
Datafile	ECD5-02252029
Method	ECD5_AQUPEST_160111
30) Sample	25 0B25043-CALJ
Datafile	ECD5-02252030
Method	ECD5_AQUPEST_160111
31) Sample	26 0B25043-CALK
Datafile	ECD5-02252031
Method	ECD5_AQUPEST_160111
32) Sample	27 0B25043-CALL
Datafile	ECD5-02252032
Method	ECD5_AQUPEST_160111
33) Sample	28 0B25043-CALM
Datafile	ECD5-02252033
Method	ECD5_AQUPEST_160111
34) Sample	29 0B25043-CALN

Datafile ECD5-02252034
Method ECD5_AQUPEST_160111
35) Sample 30 0B25043-CALO
Datafile ECD5-02252035
Method ECD5_AQUPEST_160111
36) Sample 31 0B25043-CALP
Datafile ECD5-02252036
Method ECD5_AQUPEST_160111
37) Sample 1 0B25043-IBL3
Datafile ECD5-02252037
Method ECD5_AQUPEST_160111
38) Sample 32 0B25043-ICV3
Datafile ECD5-02252038
Method ECD5_AQUPEST_160111
39) Sample 33 0B25043-CALQ
Datafile ECD5-02252039
Method ECD5_AQUPEST_160111
40) Sample 34 0B25043-CALR
Datafile ECD5-02252040
Method ECD5_AQUPEST_160111
41) Sample 35 0B25043-CALS
Datafile ECD5-02252041
Method ECD5_AQUPEST_160111
42) Sample 36 0B25043-CALT
Datafile ECD5-02252042
Method ECD5_AQUPEST_160111
43) Sample 37 0B25043-CALU
Datafile ECD5-02252043
Method ECD5_AQUPEST_160111

Line Type	Vial	DataFile	Method	Sample Name
44) Sample	38	0B25043-CALV		
Datafile		ECD5-02252044		
Method		ECD5_AQUPEST_160111		
45) Sample	39	0B25043-CALW		
Datafile		ECD5-02252045		
Method		ECD5_AQUPEST_160111		
46) Sample	1	0B25043-IBL4		
Datafile		ECD5-02252046		
Method		ECD5_AQUPEST_160111		
47) Sample	40	0B25043-ICV4		
Datafile		ECD5-02252047		
Method		ECD5_AQUPEST_160111		

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0B25043 BKD2
Data File: ECD5-02252006.D

First Column Area Counts		Percent Breakdown	
DDE	719462		
DDD	5404521		
DDT	166696427	3.54	PASS
Endrin	95652037	9.60	PASS
Endrin Aldehyde	3749783		
Endrin Ketone	6412358		

Second Column Area Counts		Percent Breakdown	
DDE	1091705		
DDD	9982699		
DDT	255372519	4.16	PASS
Endrin	145978630	8.62	PASS
Endrin Aldehyde	4970268		
Endrin Ketone	8802160		

Breakdown must be less than 15% to accept sample data.

*MJB
2/26/20*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 13:38
 Operator : MJB
 Sample : 0B25043-BKD2
 Misc : A20A019
 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: Feb 26 14:28:34 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200225.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

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

Target Compounds			
1) 4,4'-DDE	7.649	719462	NoCal ng/mL
2) Endrin	8.028	95652037	NoCal ng/mL
3) 4,4'-DDD	8.072	5404521	NoCal ng/mL
4) 4,4'-DDT	8.271	166696427	NoCal ng/mL
5) Endrin Aldehyde	8.475	3749783	NoCal ng/mL
6) Endrin Ketone	8.972	6412358	NoCal ng/mL
8) 4,4'-DDE [2C]	8.412	1091705	NoCal ng/mL
9) Endrin [2C]	8.790	145978630	NoCal ng/mL
10) 4,4'-DDD [2C]	8.829	9982699	NoCal ng/mL
11) Endrin Aldehyde [2C]	9.173	4970268	NoCal ng/mL
12) 4,4'-DDT [2C]	9.058	255372519	NoCal ng/mL
13) Endrin Ketone [2C]	9.766	8802160	NoCal ng/mL

(f)=RT Delta > 1/2 Window

(m)=manual int.

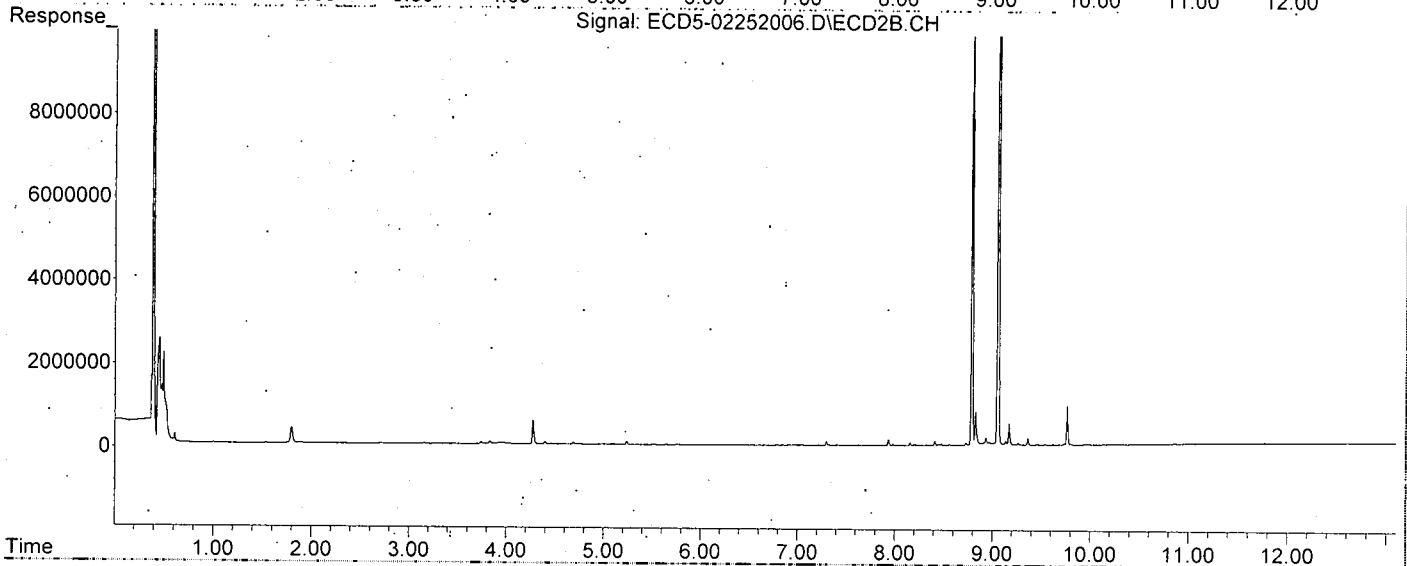
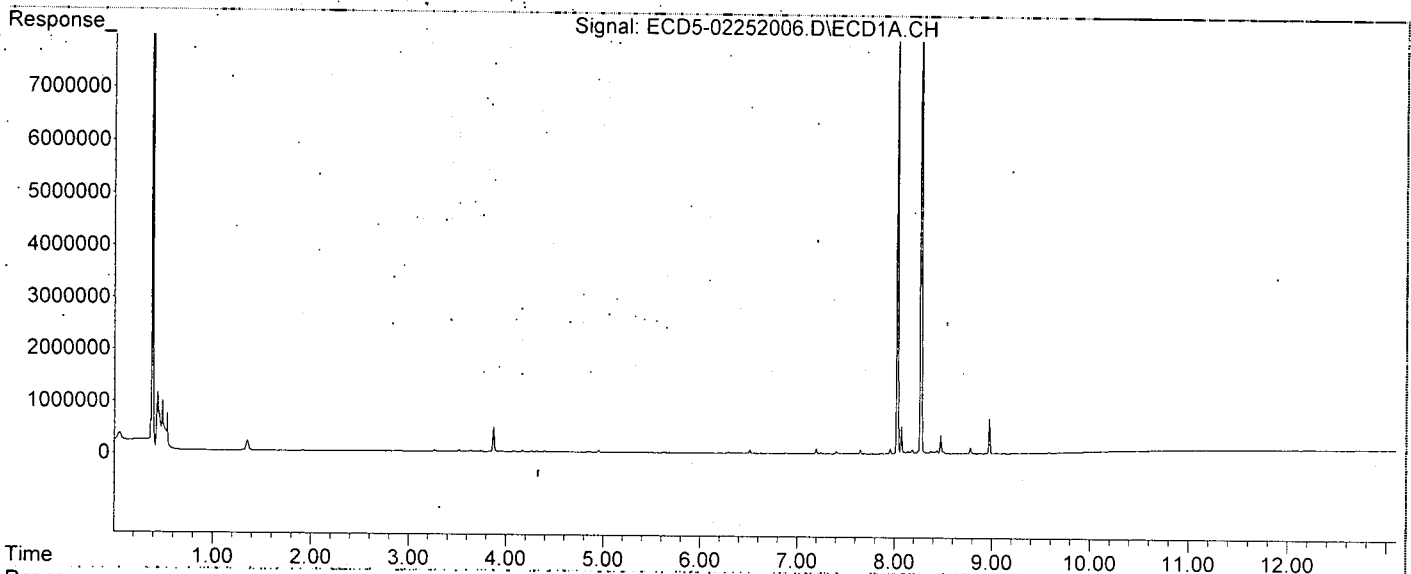
MJP
2/26/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 13:38
Operator : MJB
Sample : 0B25043-BKD2
Misc : A20A019
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: Feb 26 14:28:34 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200225.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

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:22
 Operator : MJB
 Sample : 0B25043-CAL1
 Misc : A20B330, AB 0.5 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:44:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

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2/26/20*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.463	6.052	124556	193527	0.713	0.630
22) S DCBP (S)	9.665	10.638	117037	114432	0.531	0.419

Target Compounds

2) a-BHC	6.004	6.660	145037	216180	0.579	0.595
3) g-BHC	6.287	6.978	132571	202742	0.602	0.586
4) b-BHC	6.362	7.041	73548	112940	0.938	0.720
5) Heptachlor	6.698	7.355	128664	192196	0.582	0.541
6) d-BHC	6.513	7.298	149468	214107	1.078	1.064
7) Aldrin	6.940	7.623	124739	187155	0.556	0.507
8) Heptachlo...	7.402	8.061	128967	184247	0.610	0.548
9) trans-Chl...	7.497	8.201	125113	189029	0.598	0.563
10) cis-Chlor...	7.594	8.309	125794	178270	0.604	0.547
11) Endosulfa...	7.693	8.360	114727	165750	0.555	0.546
12) 4,4'-DDE	7.651	8.413	115550	161551	0.686	0.555
13) Dieldrin	7.864	8.562	127511	172991	0.587	0.527
14) Endrin	8.029	8.790	89558	118360	0.523	0.480
15) 4,4'-DDD	8.073	8.830	100840	135180	0.733	0.550 #
16) Endosulfa...	8.187	8.937	123502	167227	0.749	0.640
17) 4,4'-DDT	8.272	9.057	73248	81426	0.896	0.981
18) Endrin Al...	8.477	9.174	141186	193803	0.875	0.753
19) Endosulfa...	8.780	9.364	144136	194517	0.875	0.907
20) Methoxychlor	8.605	9.536	47477	50315	0.809	0.945
21) Endrin Ke...	8.974	9.767	141143	174090	0.743	0.705
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On. : 25 Feb 2020 14:22
 Operator : MJB
 Sample : 0B25043-CAL1
 Misc : A20B330, AB 0.5 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:44:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

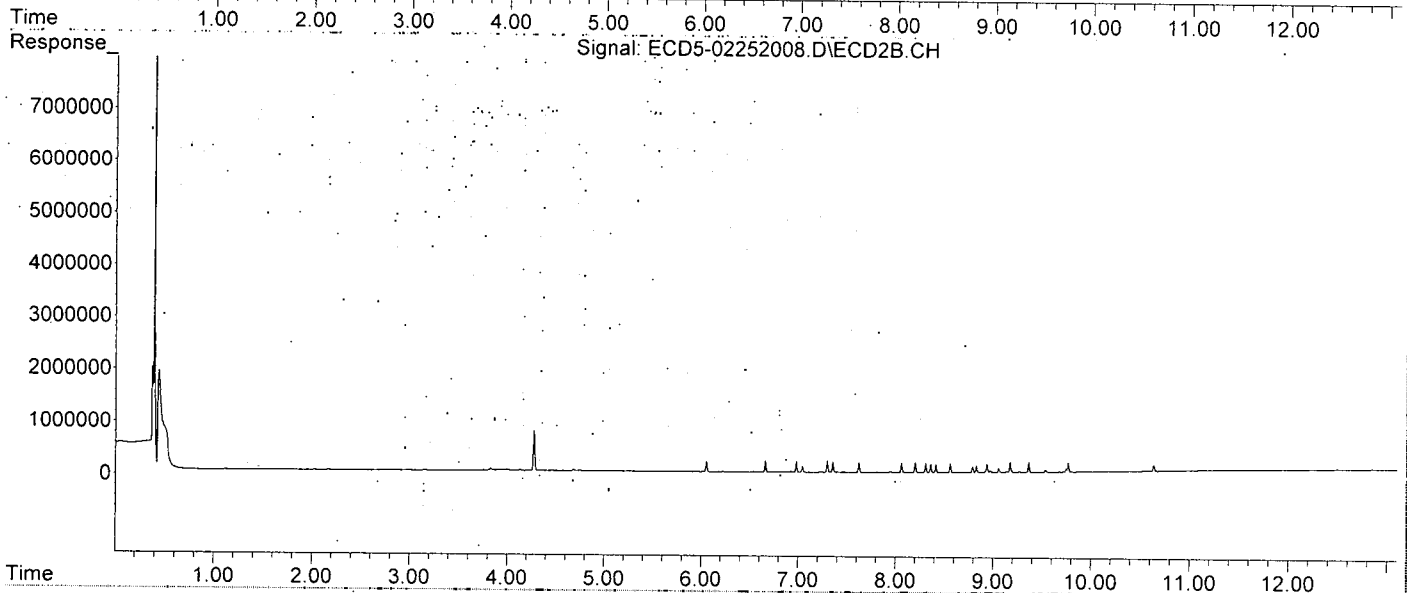
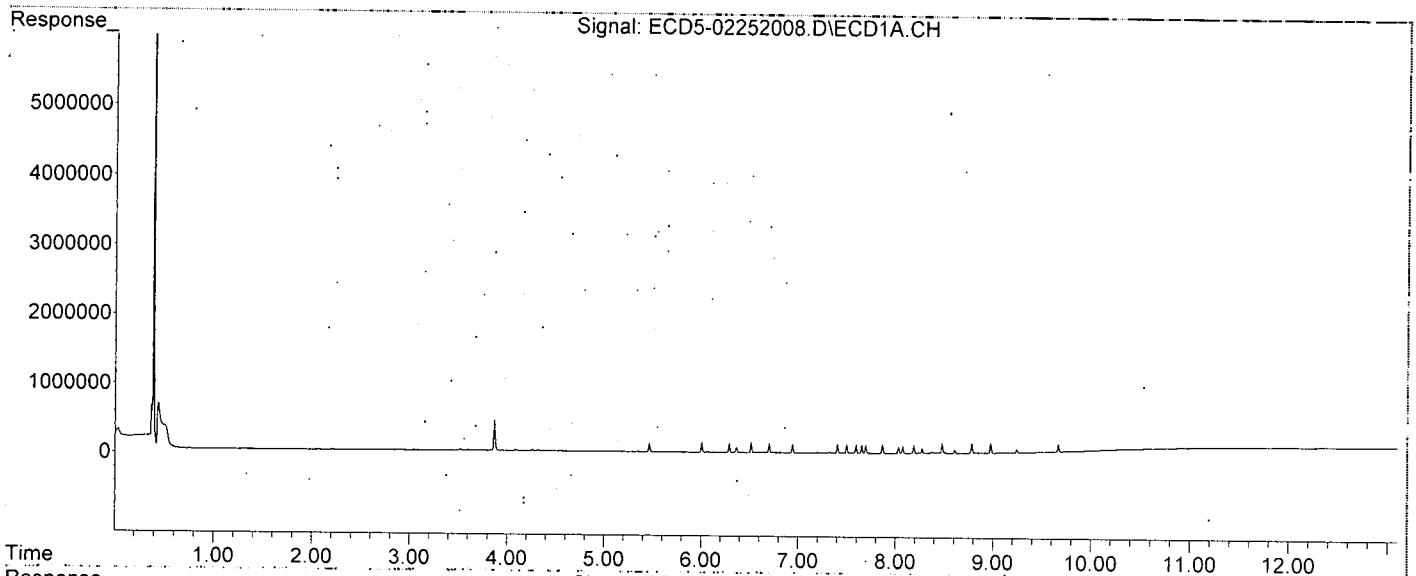
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:22
Operator : MJB
Sample : 0B25043-CAL1
Misc : A20B330, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:44:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:39
 Operator : MJB
 Sample : 0B25043-CAL2
 Misc : A20B331, AB 1 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:44:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.460	6.049	233699	352114	1.337	1.327
22) S DCBP (S)	9.662	10.634	200173	203741	1.100	0.910
Target Compounds						
2) a-BHC	6.001	6.657	279704	417011	1.117	1.145
3) g-BHC	6.285	6.976	251453	390959	1.141	1.148
4) b-BHC	6.360	7.038	128925	195905	1.719	1.356
5) Heptachlor	6.695	7.352	232243	351823	1.051	1.048
6) d-BHC	6.510	7.294	257306	372903	1.839	1.642
7) Aldrin	6.937	7.619	239630	348395	1.068	0.943
8) Heptachlo...	7.398	8.058	235377	334473	1.113	0.995
9) trans-Chl...	7.494	8.198	232235	340785	1.110	1.016
10) cis-Chlor...	7.591	8.306	227540	322691	1.092	0.989
11) Endosulfa...	7.689	8.357	214430	303264	1.037	0.998
12) 4,4'-DDE	7.648	8.409	219730	311134	1.348	1.096
13) Dieldrin	7.861	8.558	231617	326125	1.067	1.018
14) Endrin	8.027	8.787	164410	221743	0.960	0.941
15) 4,4'-DDD	8.070	8.826	184468	259515	1.402	1.109
16) Endosulfa...	8.183	8.933	201485	282832	1.222	1.150
17) 4,4'-DDT	8.268	9.054	136646	152974	1.467	1.496
18) Endrin Al...	8.474	9.170	218212	293186	1.504	1.274
19) Endosulfa...	8.776	9.361	217356	289732	1.409	1.427
20) Methoxychlor	8.602	9.533	81060	92284	1.493	1.552
21) Endrin Ke...	8.971	9.764	236826	292223	1.247	1.260
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:39
 Operator : MJB
 Sample : 0B25043-CAL2
 Misc : A20B331, AB 1 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:44:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

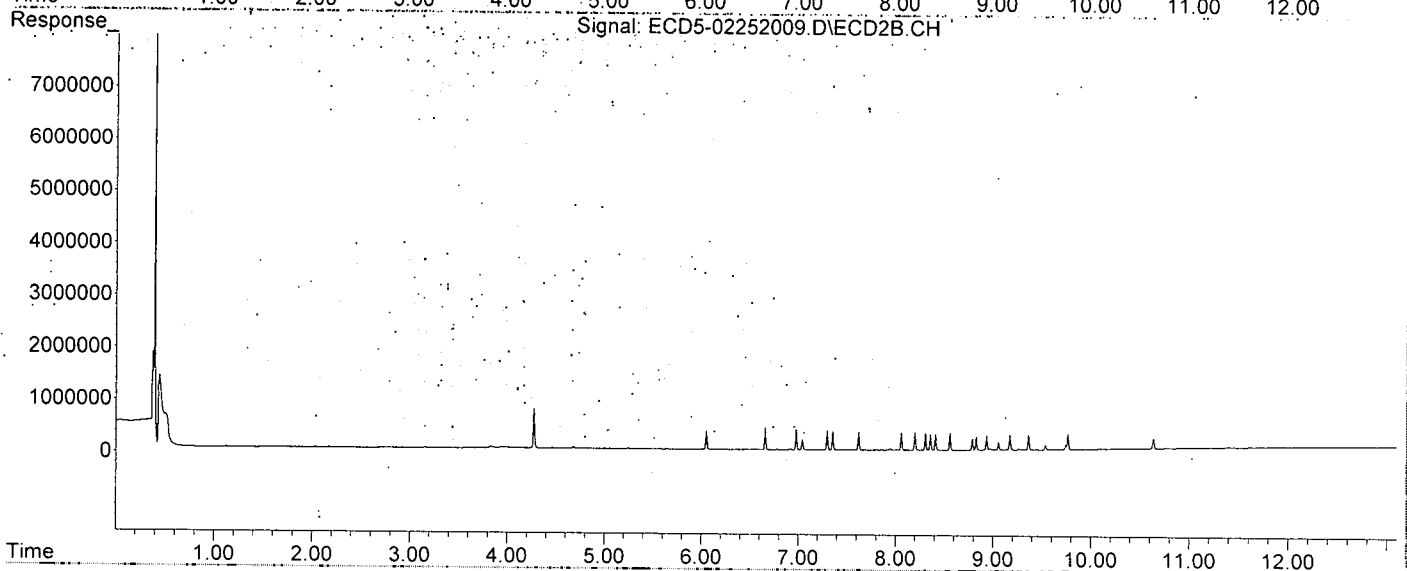
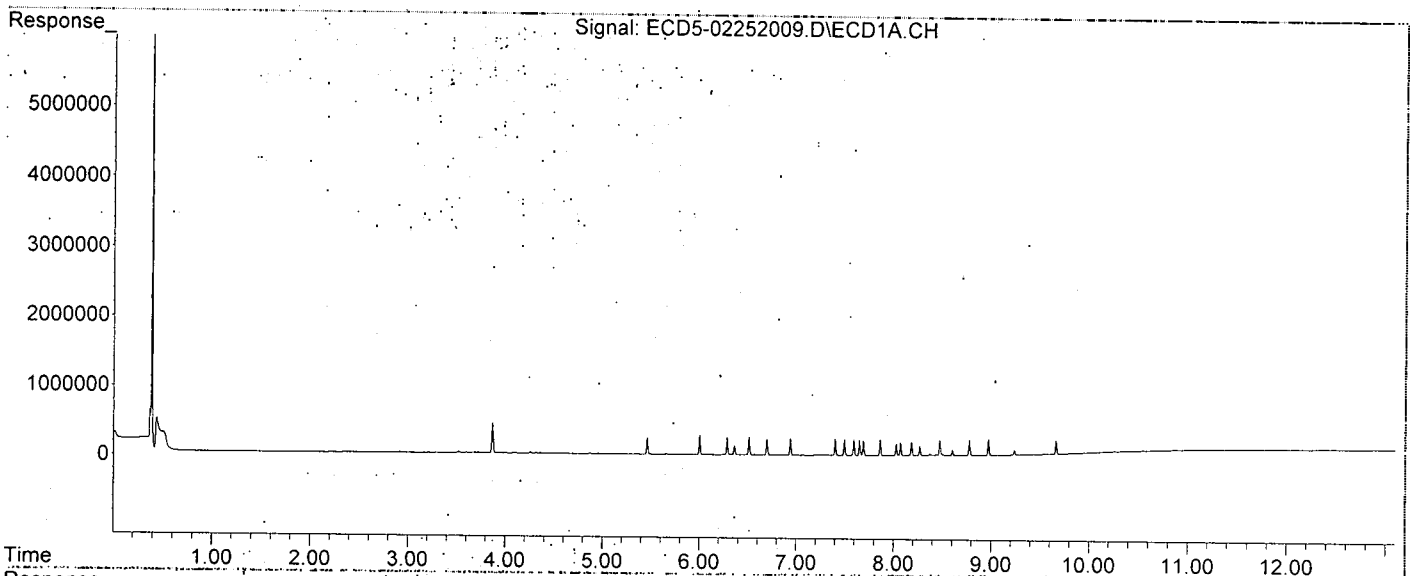
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:39
Operator : MJB
Sample : 0B25043-CAL2
Misc : A20B331, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:44:46 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation; 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:56
 Operator : MJB
 Sample : 0B25043-CAL3
 Misc : A19K128, AB 2 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:45:21 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
2/26/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.460	6.048	439420	687097	2.515	2.790
22) S DCBP (S)	9.662	10.634	360138	384159	2.196	1.900

Target Compounds

2) a-BHC	6.001	6.657	558948	834863	2.233	2.283
3) g-BHC	6.284	6.976	495165	751240	2.247	2.220
4) b-BHC	6.359	7.038	237777	368359	3.246	2.675
5) Heptachlor	6.694	7.352	460866	712528	2.086	2.191
6) d-BHC	6.509	7.295	484609	722490	3.433	2.908
7) Aldrin	6.936	7.619	468839	712936	2.090	1.930
8) Heptachlo...	7.398	8.058	451037	657729	2.132	1.957
9) trans-Chl...	7.493	8.198	449517	659567	2.149	1.966
10) cis-Chlor...	7.590	8.306	442664	631569	2.124	1.936
11) Endosulfa...	7.688	8.357	415164	584625	2.007	1.925
12) 4,4'-DDE	7.648	8.410	433562	626077	2.703	2.230
13) Dieldrin	7.861	8.558	446086	639177	2.053	2.019
14) Endrin	8.026	8.787	320798	435263	1.874	1.889
15) 4,4'-DDD	8.070	8.827	371932	511651	2.895	2.239
16) Endosulfa...	8.183	8.934	375693	527060	2.279	2.225
17) 4,4'-DDT	8.268	9.055	273553	325030	2.693	2.724
18) Endrin Al...	8.474	9.171	385517	532913	2.866	2.527
19) Endosulfa...	8.776	9.362	384470	516495	2.624	2.660
20) Methoxychlor	8.602	9.533	159441	180433	3.077	2.816
21) Endrin Ke...	8.971	9.764	429826	544557	2.263	2.442
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) Oxylchlorane	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 14:56
 Operator : MJB
 Sample : 0B25043-CAL3
 Misc : A19K128, AB 2 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:45:21 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

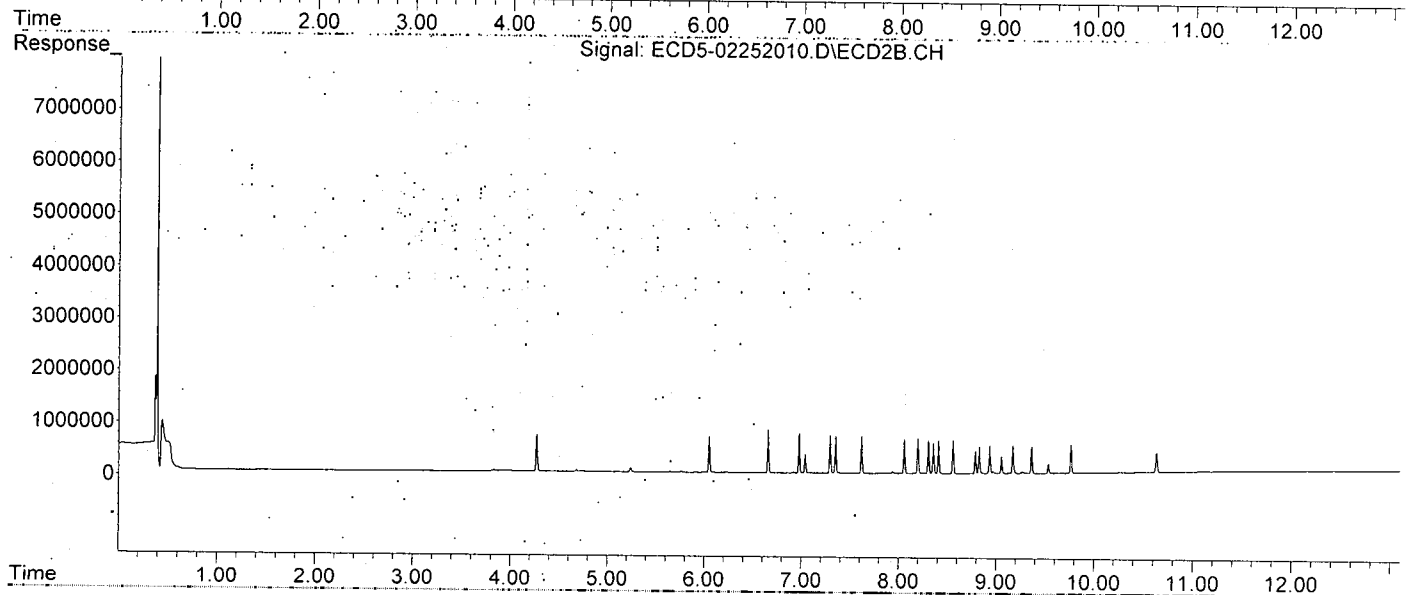
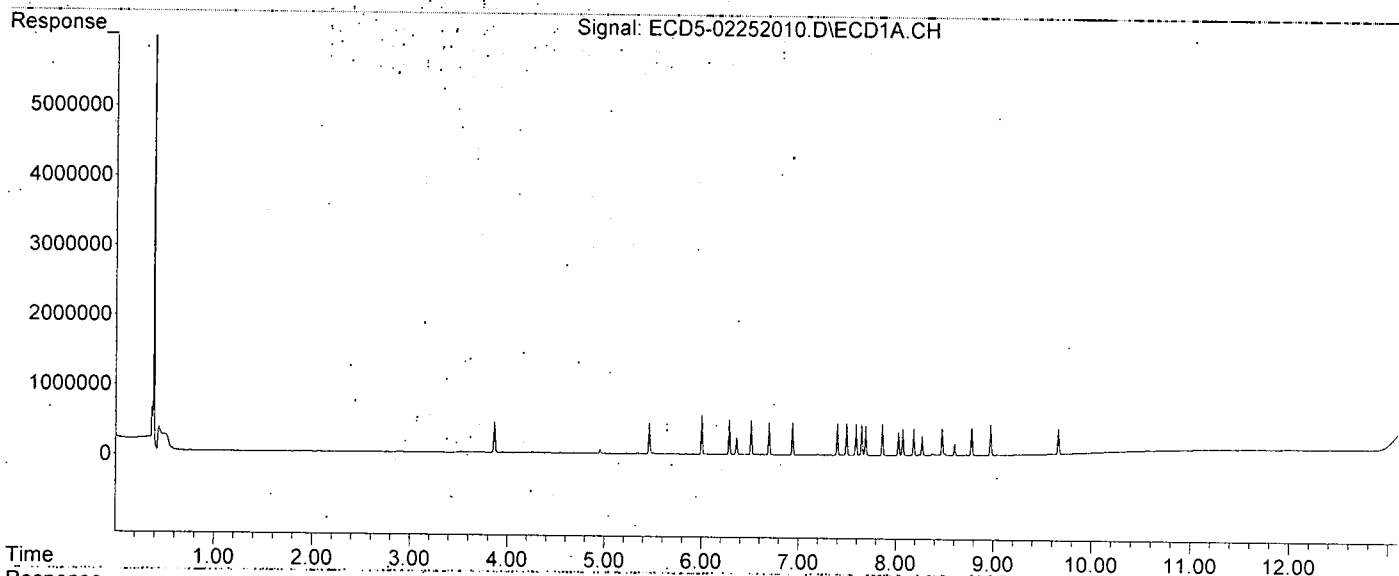
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 14:56
Operator : MJB
Sample : 0B25043-CAL3
Misc : A19K128, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:45:21 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:13
 Operator : MJB
 Sample : 0B25043-CAL4
 Misc : A19K130, AB 5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:46:15 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.459	6.048	1003988	1546173	5.746	6.493
22) S DCBP (S)	9.662	10.634	799869	875888	5.204	4.587
Target Compounds						
2) a-BHC	6.000	6.657	1382053	2126700	5.520	5.763
3) g-BHC	6.284	6.975	1227845	1881135	5.573	5.552
4) b-BHC	6.358	7.038	547413	837376	7.540	6.231
5) Heptachlor	6.694	7.352	1111456	1694467	5.031	5.277
6) d-BHC	6.508	7.294	1189174	1729213	8.289	6.505
7) Aldrin	6.936	7.619	1146897	1773714	5.113	4.801
8) Heptachlo...	7.398	8.058	1085253	1574920	5.131	4.685
9) trans-Chl...	7.493	8.198	1077636	1595744	5.151	4.756
10) cis-Chlor...	7.590	8.306	1034851	1507927	4.965	4.623
11) Endosulfa...	7.689	8.357	1014379	1439410	4.905	4.739
12) 4,4'-DDE	7.648	8.410	1084606	1553504	6.790	5.540
13) Dieldrin	7.860	8.558	1130550	1567052	5.204	4.971
14) Endrin	8.026	8.787	781467	1071103	4.565	4.690
15) 4,4'-DDD	8.070	8.827	885705	1267308	6.944	5.590
16) Endosulfa...	8.183	8.934	869870	1217071	5.276	5.237
17) 4,4'-DDT	8.268	9.054	677705	840171	6.263	6.316
18) Endrin Al...	8.474	9.171	790735	1118310	6.154	5.566
19) Endosulfa...	8.776	9.361	816986	1150682	5.756	6.063
20) Methoxychlor	8.602	9.533	348323	439742	6.838	6.461
21) Endrin Ke...	8.971	9.764	979562	1270528	5.158	5.805
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:13
 Operator : MJB
 Sample : 0B25043-CAL4
 Misc : A19K130, AB 5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:46:15 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

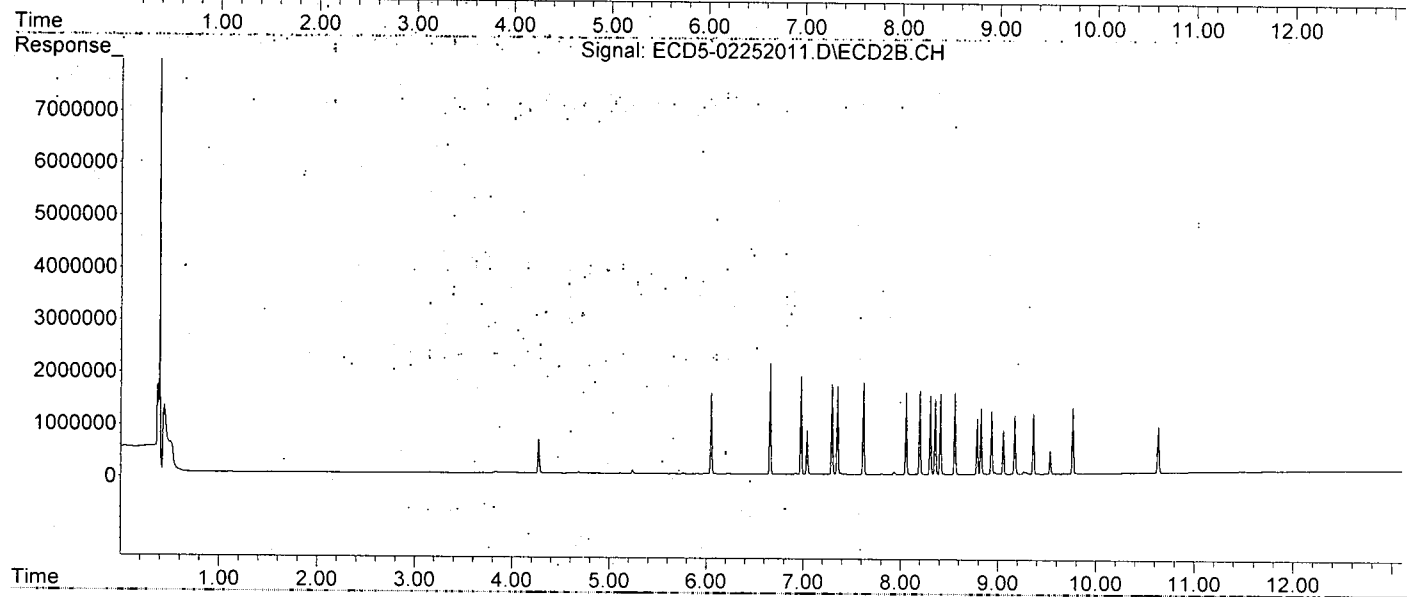
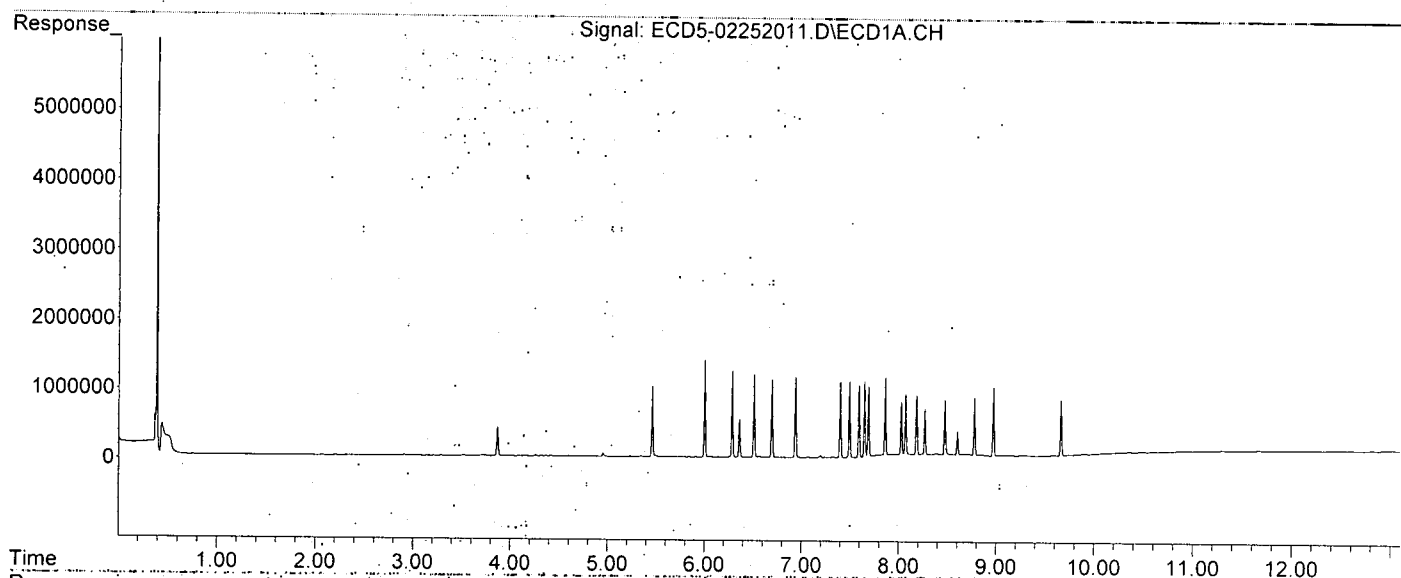
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 15:13
Operator : MJB
Sample : 0B25043-CAL4
Misc : A19K130, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:46:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:30
 Operator : MJB
 Sample : 0B25043-CAL5
 Misc : A19K131, AB 10 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:46:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

*MJB
2/26/20*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.048	1998110	3136923	11.435	13.173
22) S DCBP (S)	9.660	10.633	1619015	1782079	10.790	9.501

Target Compounds

2) a-BHC	6.000	6.656	2743087	4275680	10.956	11.426
3) g-BHC	6.283	6.975	2419200	3823021	10.980	11.177
4) b-BHC	6.358	7.037	1084856	1664144	14.819	12.396
5) Heptachlor	6.693	7.351	2236498	3567347	10.124	11.063
6) d-BHC	6.508	7.294	2405210	3730042	16.388	13.449
7) Aldrin	6.935	7.619	2348957	3580406	10.472	9.690
8) Heptachlo...	7.397	8.057	2106338	3225324	9.958	9.595
9) trans-Chl...	7.492	8.197	2156922	3321961	10.309	9.900
10) cis-Chlor...	7.589	8.306	2101531	3145257	10.083	9.642
11) Endosulfa...	7.688	8.356	2002466	2901002	9.682	9.551
12) 4,4'-DDE	7.647	8.409	2207718	3337927	13.711	11.782
13) Dieldrin	7.859	8.558	2231423	3243846	10.272	10.242
14) Endrin	8.025	8.786	1583671	2199983	9.251	9.585
15) 4,4'-DDD	8.069	8.826	1845969	2702397	14.352	11.817
16) Endosulfa...	8.182	8.933	1754678	2495237	10.643	10.725
17) 4,4'-DDT	8.267	9.054	1457724	1849882	12.964	13.030
18) Endrin Al...	8.472	9.170	1552434	2212372	12.288	11.169
19) Endosulfa...	8.775	9.361	1704127	2341971	12.118	12.287
20) Methoxychlor	8.601	9.533	720753	944530	14.032	13.264
21) Endrin Ke...	8.969	9.763	1963488	2578653	10.339	11.736
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:30
 Operator : MJB
 Sample : 0B25043-CAL5
 Misc : A19K131, AB 10 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:46:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

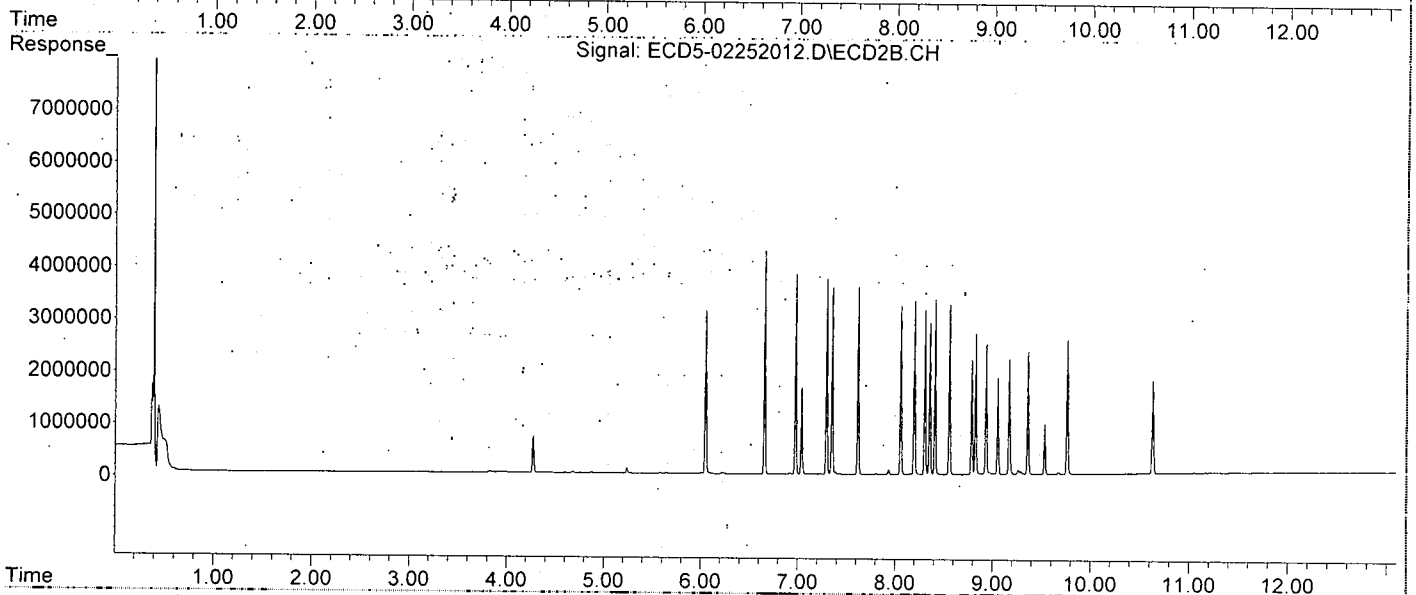
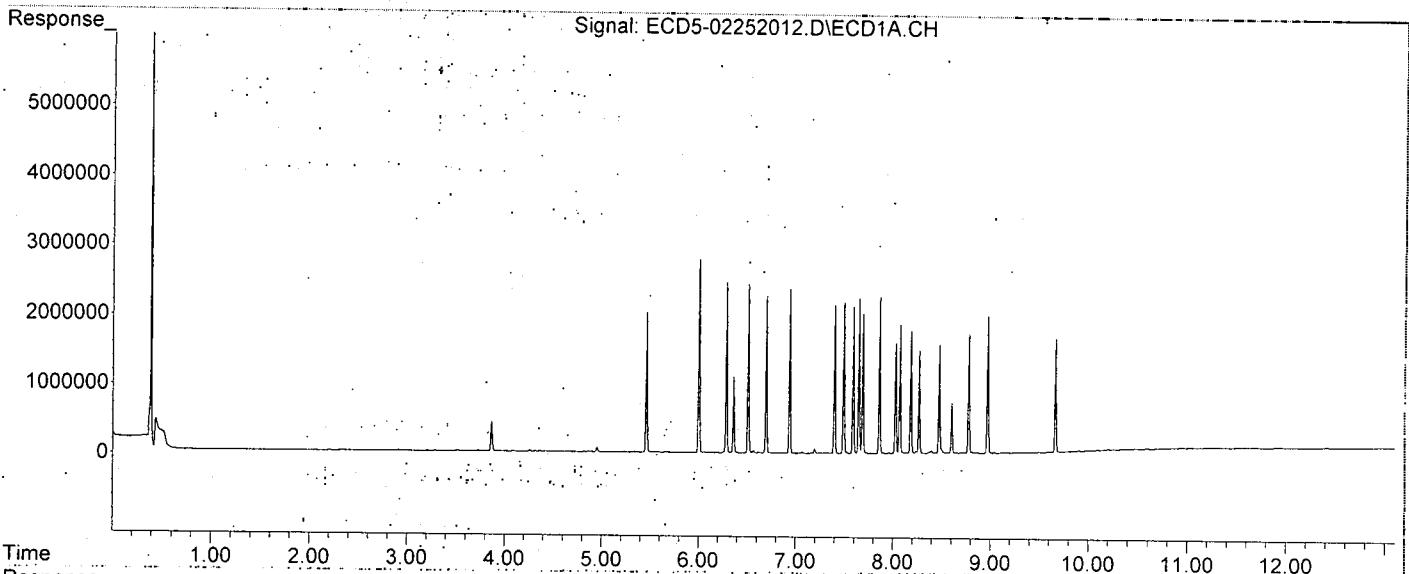
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 15:30
Operator : MJB
Sample : 0B25043-CAL5
Misc : A19K131, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:46:46 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:47
 Operator : MJB
 Sample : 0B25043-CAL6
 Misc : A19K132, AB 25 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:47:17 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.048	4871536	7818668	27.879	31.668
22) S DCBP (S)	9.661	10.633	3610372	4340907	24.277	23.110

Target Compounds

2) a-BHC	6.000	6.656	6884847	11048670	27.499	28.364
3) g-BHC	6.283	6.975	5970280	9675514	27.098	27.431
4) b-BHC	6.357	7.037	2499762	3993135	33.050	29.109
5) Heptachlor	6.693	7.352	5347547	8492275	24.207	25.708
6) d-BHC	6.507	7.294	5689190	8941211	36.757	30.433
7) Aldrin	6.935	7.619	5742951	9148985	25.602	24.762
8) Heptachlo...	7.397	8.057	5260106	7997772	24.868	23.791
9) trans-Chl...	7.492	8.197	5366296	8352508	25.649	24.893
10) cis-Chlor...	7.589	8.305	5066990	7833062	24.310	24.014
11) Endosulfa...	7.688	8.356	4717875	7248567	22.811	23.864
12) 4,4'-DDE	7.647	8.409	5348124	8455231	32.272	28.866
13) Dieldrin	7.859	8.558	5269648	8227724	24.257	25.468
14) Endrin	8.025	8.786	3796982	5486337	22.179	23.307
15) 4,4'-DDD	8.069	8.826	4106399	6277761	31.049	26.635
16) Endosulfa...	8.182	8.933	3837705	5738244	23.277	24.162
17) 4,4'-DDT	8.267	9.054	3331009	4632719	28.167	29.761
18) Endrin Al...	8.472	9.170	3455529	5038314	27.354	25.210
19) Endosulfa...	8.775	9.360	3605036	5180877	25.481	26.340
20) Methoxychlor	8.601	9.532	1638952	2187472	30.686	28.666
21) Endrin Ke...	8.970	9.763	4404291	5980624	23.191	26.465
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 15:47
 Operator : MJB
 Sample : 0B25043-CAL6
 Misc : A19K132, AB 25 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:47:17 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um.

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

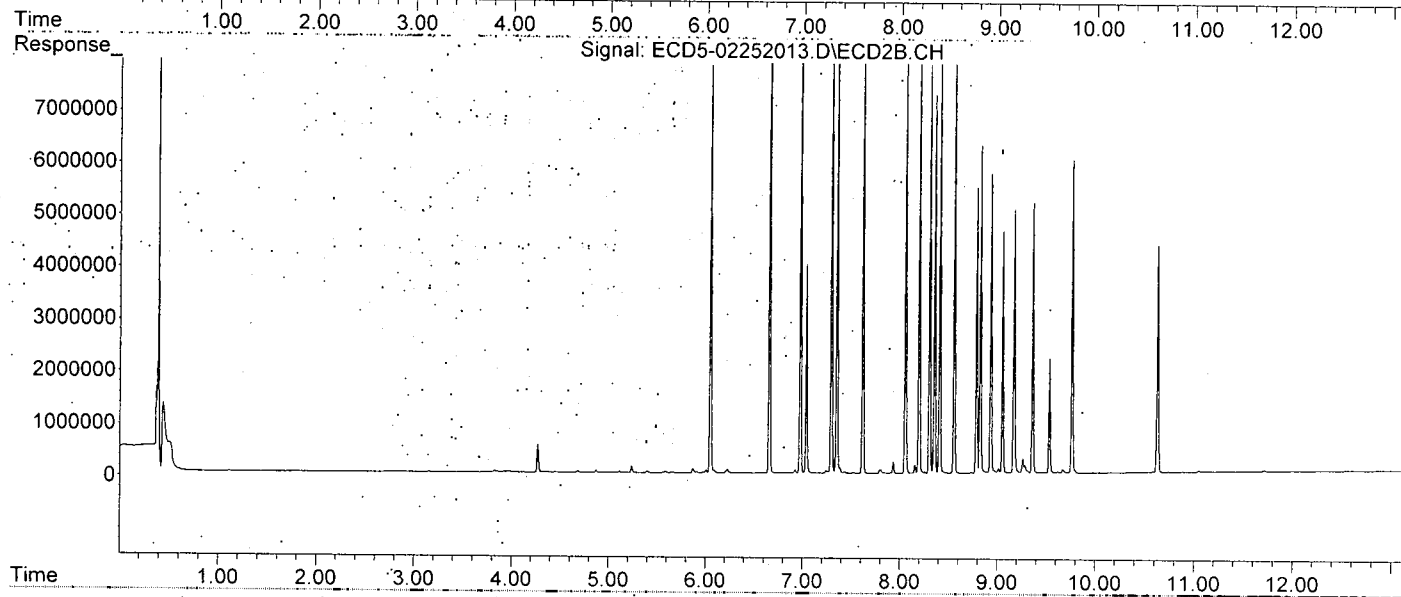
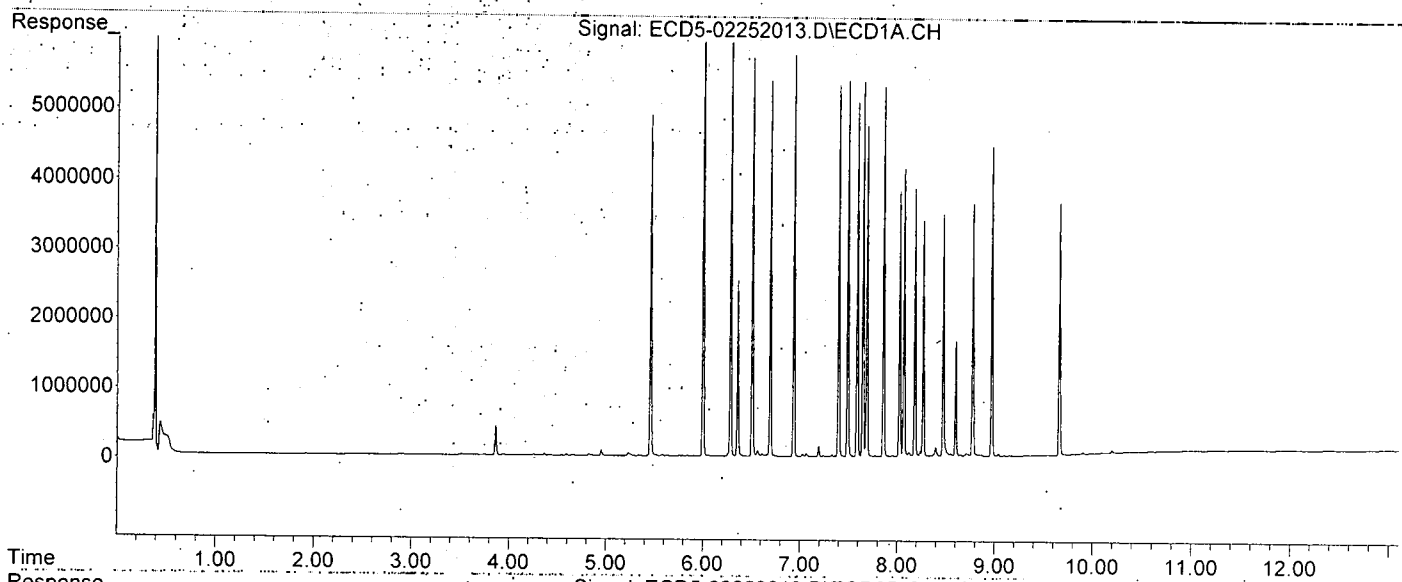
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 15:47
Operator : MJB
Sample : 0B25043-CAL6
Misc : A19K132, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:47:17 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:05
 Operator : MJB
 Sample : 0B25043-CAL7
 Misc : A19K133, AB 50 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:41:18 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Feb 04 18:01:02.2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

*MJB
2/26/20*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.047	10731650	17822263	61.417	66.769
22) S DCBP (S)	9.660	10.633	8305607	9791773	55.571	50.918

Target Compounds

2) a-BHC	5.999	6.656	15209025	25650670	60.748	61.197
3) g-BHC	6.282	6.975	13363469	22622161	60.653	60.340
4) b-BHC	6.356	7.037	5581996	9127826	69.043	63.121
5) Heptachlor	6.692	7.351	12085740	19987480	54.709	57.221
6) d-BHC	6.507	7.293	12889590	21243835	75.812	65.817
7) Aldrin	6.934	7.618	12716308	20698030	56.690	56.019
8) Heptachlo...	7.396	8.057	11335290	18112331	53.590	53.880
9) trans-Chl...	7.490	8.197	11763747	19071430	56.227	56.838
10) cis-Chlor...	7.588	8.305	11462285	17623386	54.994	54.028
11) Endosulfa...	7.686	8.356	10328433	16390492	49.938	53.962
12) 4,4'-DDE	7.646	8.409	12232629	18984564	69.618	60.926
13) Dieldrin	7.858	8.558	11964598	18957252	55.075	56.290
14) Endrin	8.024	8.786	8611621	12598924	50.303	50.759
15) 4,4'-DDD	8.068	8.826	9813457	15132504	69.472	59.913
16) Endosulfa...	8.181	8.933	8825451	13529606	53.530	54.041
17) 4,4'-DDT	8.266	9.054	8101008	11817676	62.565	65.351
18) Endrin Al...	8.472	9.170	7801382	12137225	60.486	58.129
19) Endosulfa...	8.774	9.360	8174428	12031401	56.255	56.751
20) Methoxychlor	8.600	9.532	3829989	5539365	65.773	63.772
21) Endrin Ke...	8.969	9.763	9941349	14032758	52.346	58.118
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:05
 Operator : MJB
 Sample : 0B25043-CAL7
 Misc : A19K133, AB 50 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:41:18 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Feb 04 18:01:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

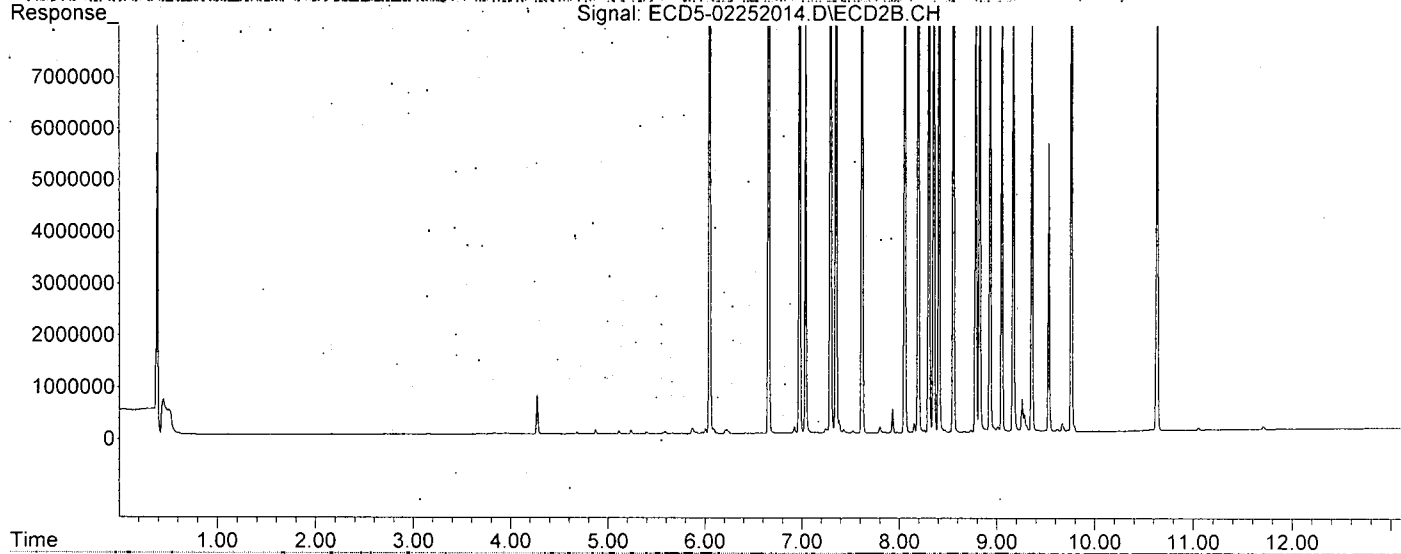
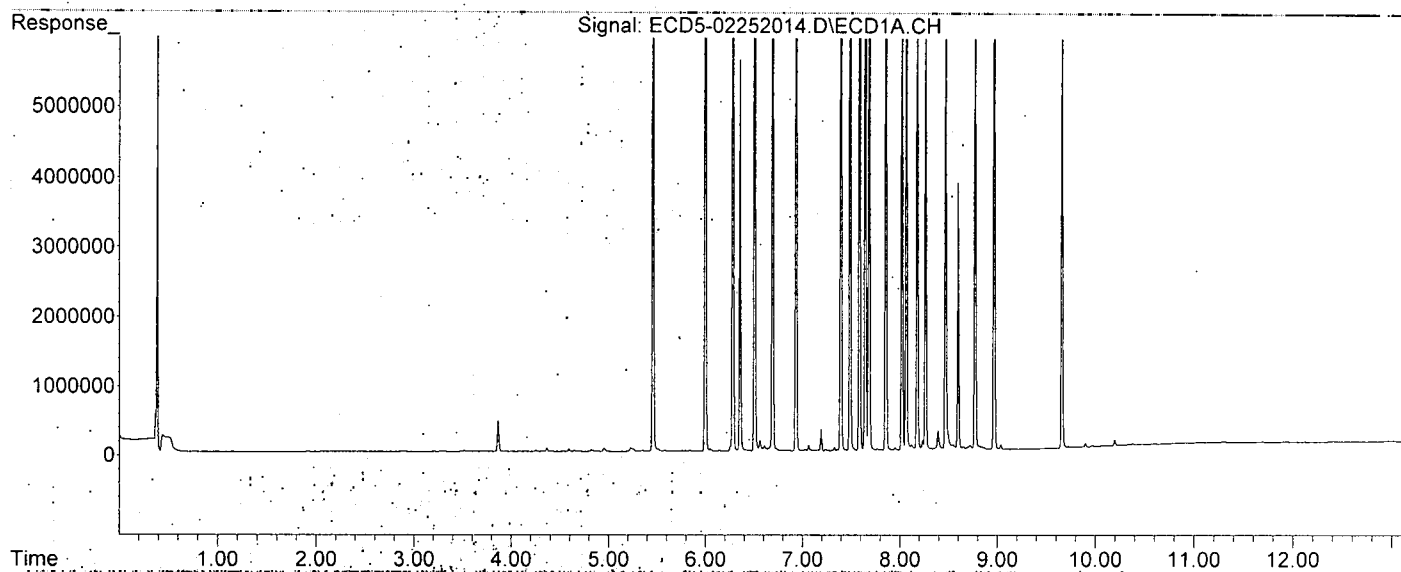
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 16:05
Operator : MJB
Sample : 0B25043-CAL7
Misc : A19K133, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:41:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Feb 04 18:01:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:22
 Operator : MJB
 Sample : 0B25043-CAL8
 Misc : A19K134, AB 100 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:47:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.459	6.048	21812121	37410091	124.829	124.363
22) S DCBP (S)	9.660	10.633	16911120	20337985	111.214	100.891

Target Compounds

2) a-BHC	6.000	6.657	30891885	54162670	123.388	115.664
3) g-BHC	6.283	6.976	26681791	46224455	121.102	112.649
4) b-BHC	6.357	7.037	11148406	18765906	125.121	119.281
5) Heptachlor	6.692	7.352	24700924	42307878	111.815	110.718
6) d-BHC	6.507	7.294	25693757	45122745	133.483	122.711
7) Aldrin	6.934	7.619	25784012	42911687	114.946	116.141
8) Heptachlo...	7.396	8.057	23172462	38728026	109.553	115.206
9) trans-Chl...	7.490	8.198	23799233	39546171	113.753	117.857
10) cis-Chlor...	7.588	8.305	22990765	37388226	110.305	114.621
11) Endosulfa...	7.686	8.356	21108336	34479924	102.059	113.518
12) 4,4'-DDE	7.646	8.410	24348815	40494676	127.285	117.457
13) Dieldrin	7.858	8.558	24355805	40207008	112.114	111.229
14) Endrin	8.024	8.786	18020248	27530939	105.261	101.180
15) 4,4'-DDD	8.068	8.826	20044187	32957325	128.988	116.926
16) Endosulfa...	8.180	8.933	18165481	29366432	110.181	107.190
17) 4,4'-DDT	8.266	9.054	16871387	25957678	115.444	119.187
18) Endrin Al...	8.471	9.170	16057739	25571934	119.284	113.492
19) Endosulfa...	8.774	9.361	17053641	25984775	111.525	108.744
20) Methoxychlor	8.600	9.533	8280893	12207611	124.566	118.532
21) Endrin Ke...	8.969	9.764	21026565	30840298	110.716	114.373
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:22
 Operator : MJB
 Sample : 0B25043-CAL8
 Misc : A19K134, AB 100 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:47:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

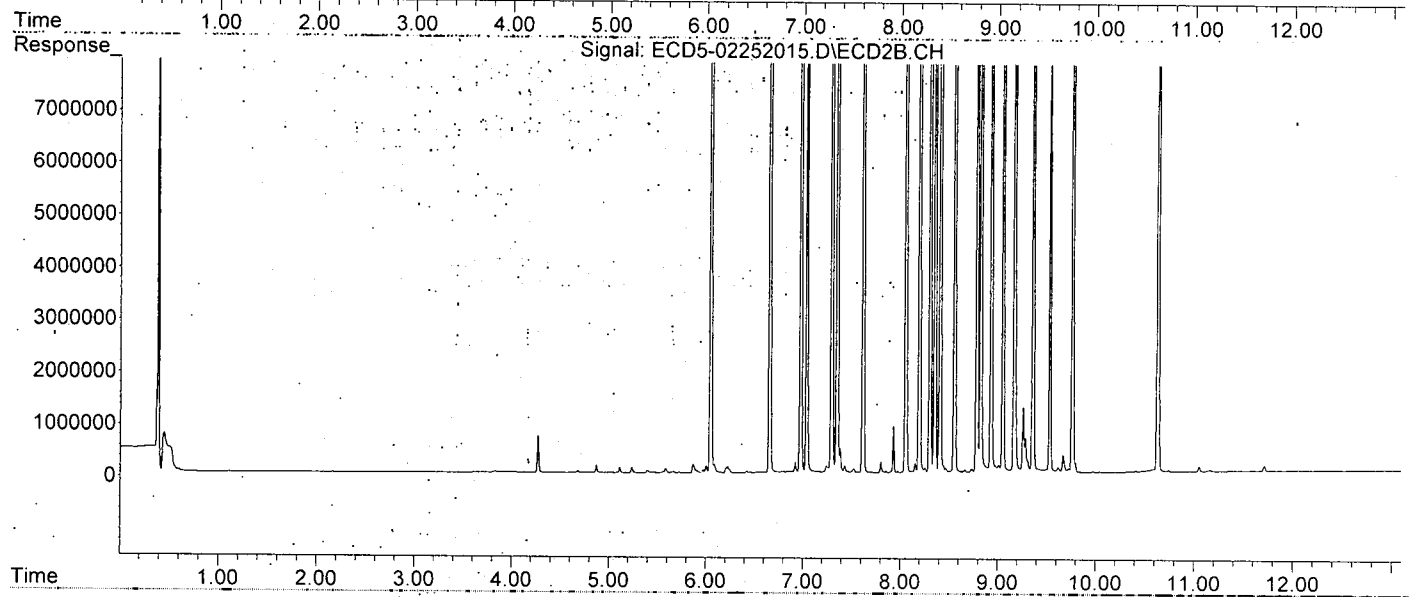
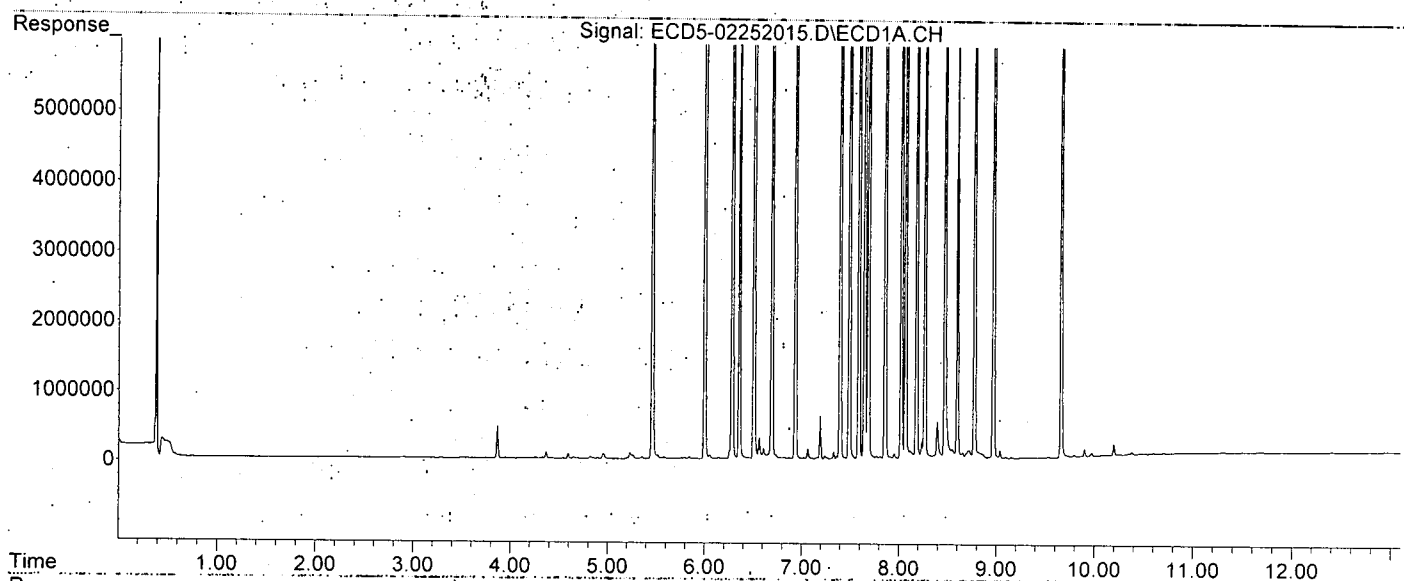
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 16:22
Operator : MJB
Sample : 0B25043-CAL8
Misc : A19K134, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:47:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:39
 Operator : MJB
 Sample : 0B25043-CAL9
 Misc : A19K126, AB 200 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:48:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	5.460	6.050	40716076	70148935	233.015	202.196
22) S DCBP (S)	9.661	10.634	30862270	38926681	197.232	179.684

Target Compounds

2) a-BHC	6.001	6.659	56746220	104.1E6	226.655	193.298
3) g-BHC	6.284	6.977	49429525	89110852	224.347	191.992
4) b-BHC	6.358	7.038	20521194	35323697	203.752	200.788
5) Heptachlor	6.694	7.353	45923221	80078866	207.883	186.696
6) d-BHC	6.508	7.296	48803999	87313309	216.926	202.824
7) Aldrin	6.935	7.620	46568890	82680029	207.606	223.774
8) Heptachlo...	7.397	8.059	42132464	73235301	199.190	217.856
9) trans-Chl...	7.491	8.199	44311155	74026356	211.795	220.617
10) cis-Chlor...	7.588	8.307	41893394	70044392	200.996	214.735
11) Endosulfa...	7.687	8.357	38537479	65130641	186.329	214.429
12) 4,4'-DDE	7.647	8.411	44300571	75526792	207.871	193.843
13) Dieldrin	7.859	8.559	44296283	75535999	203.903	190.227
14) Endrin	8.024	8.787	33762704	55483131	197.218	179.399
15) 4,4'-DDD	8.069	8.827	36440139	63046425	208.902	195.571
16) Endosulfa...	8.181	8.934	3764297	58469099	204.795	188.441
17) 4,4'-DDT	8.267	9.056	32909669	53209539	193.102	196.636
18) Endrin Al...	8.472	9.172	29251534	50169608	204.456	199.516
19) Endosulfa...	8.775	9.362	31315454	51500488	190.894	184.828
20) Methoxychlor	8.601	9.534	15999083	24607594	205.442	195.833
21) Endrin Ke...	8.970	9.765	39463917	60793634	207.798	195.715
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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 16:39
 Operator : MJB
 Sample : 0B25043-CAL9
 Misc : A19K126, AB 200 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:48:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

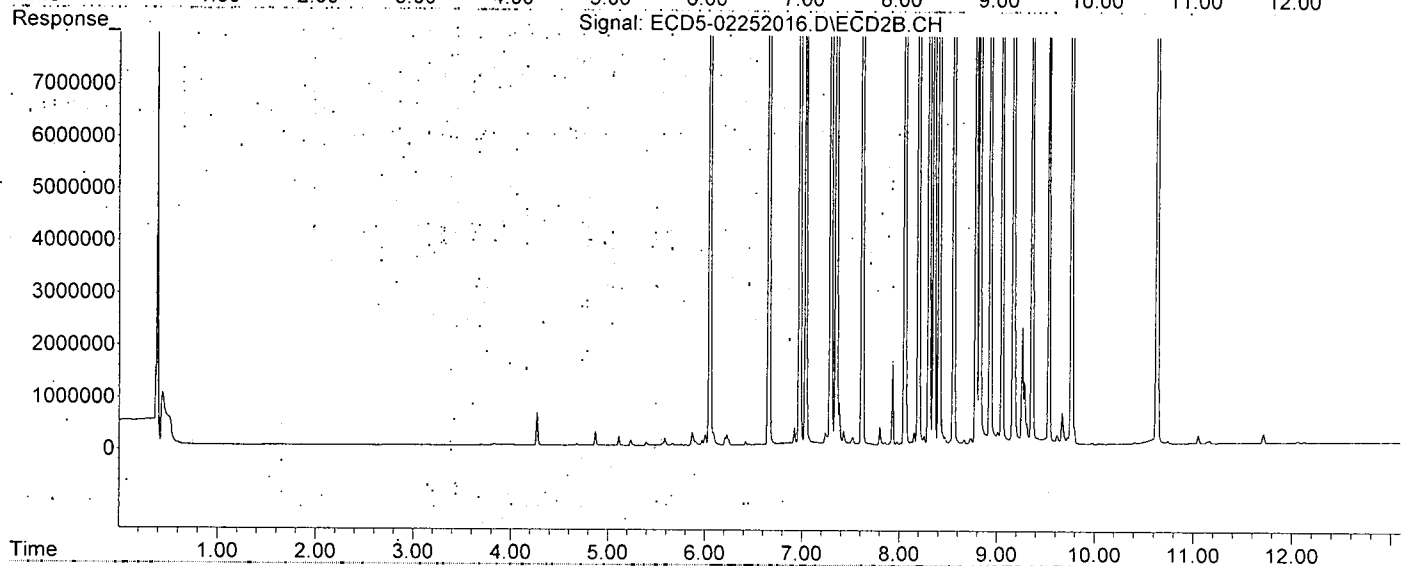
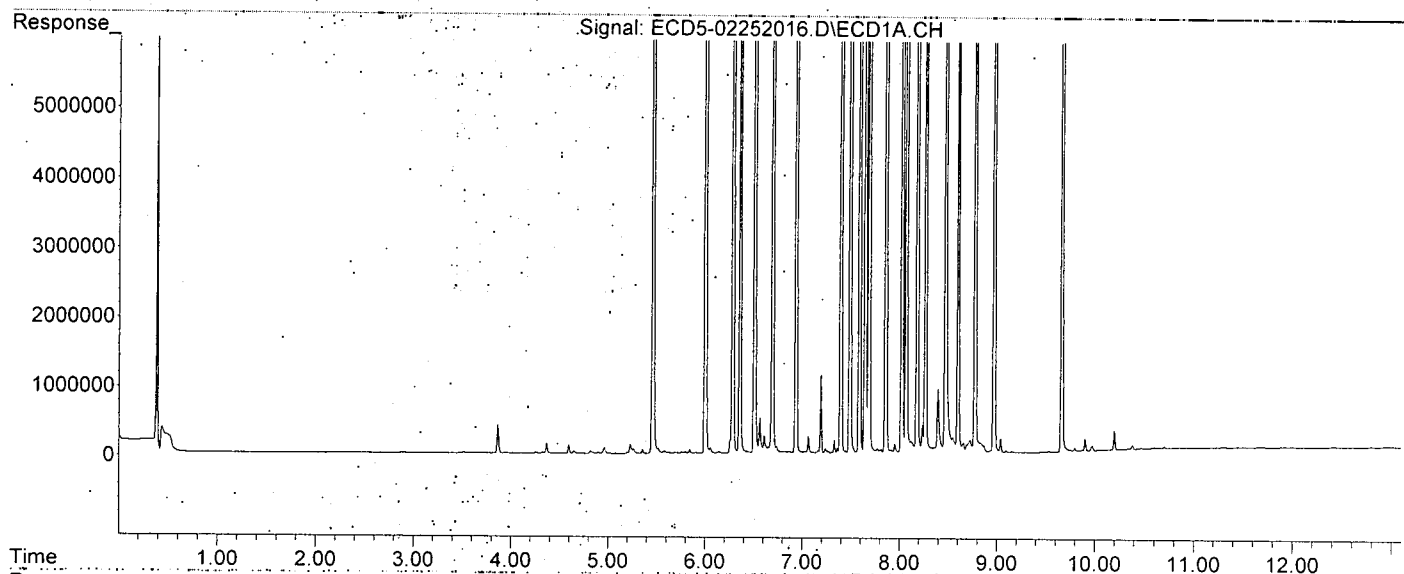
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 16:39
Operator : MJB
Sample : 0B25043-CAL9
Misc : A19K126, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:48:23 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:51:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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...	3.261	3.735	117932	219919	0.591	0.549
24) Hexachlor...	5.840	6.516	129074	201711	0.514	0.630
25) Oxylchlorane	7.324	7.985	116445	166729	0.464	0.596 #
26) 2,4'-DDE	7.397	8.188	82916	121631	0.581	0.578
27) trans-Non...	7.580	8.260	125622	177493	0.477	0.577
28) 2,4'-DDD	7.770	8.562	76012	112451	0.597	0.610

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:51:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.953	8.788	63598	79209	0.434	0.326
30) cis-Nonac...	8.051	8.828	133571	183369	0.567	0.538
31) Mirex	8.721	9.758	99990	119379	0.495	0.422m
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

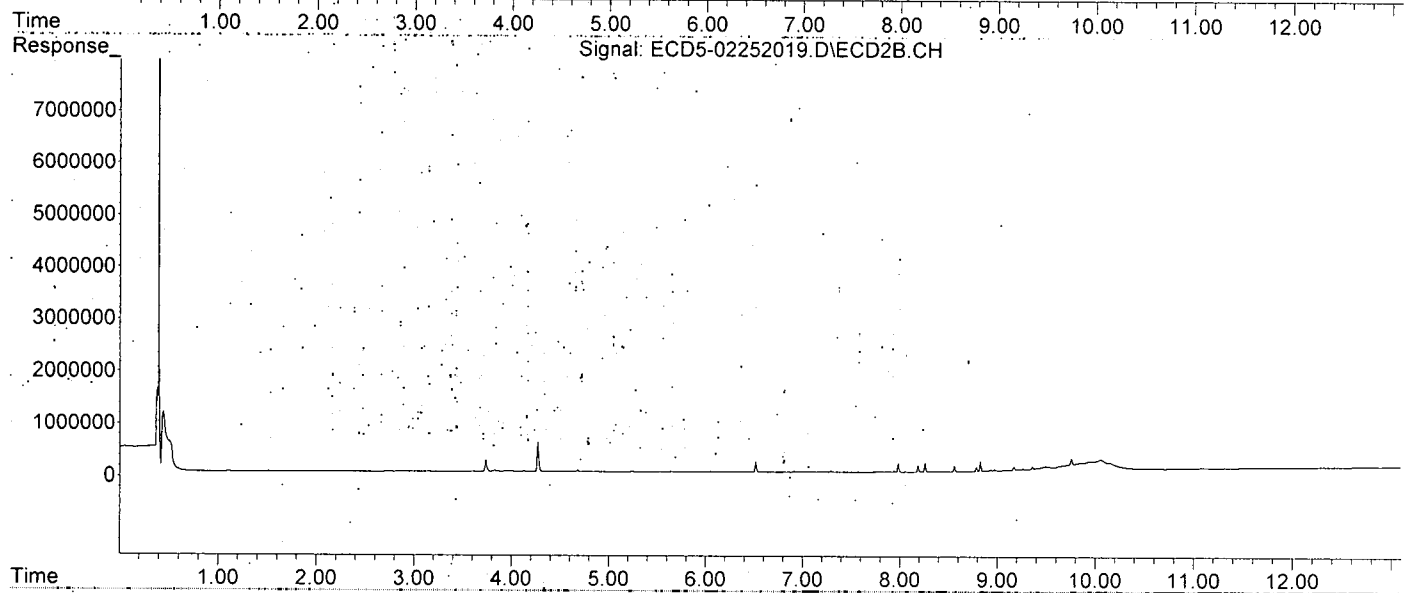
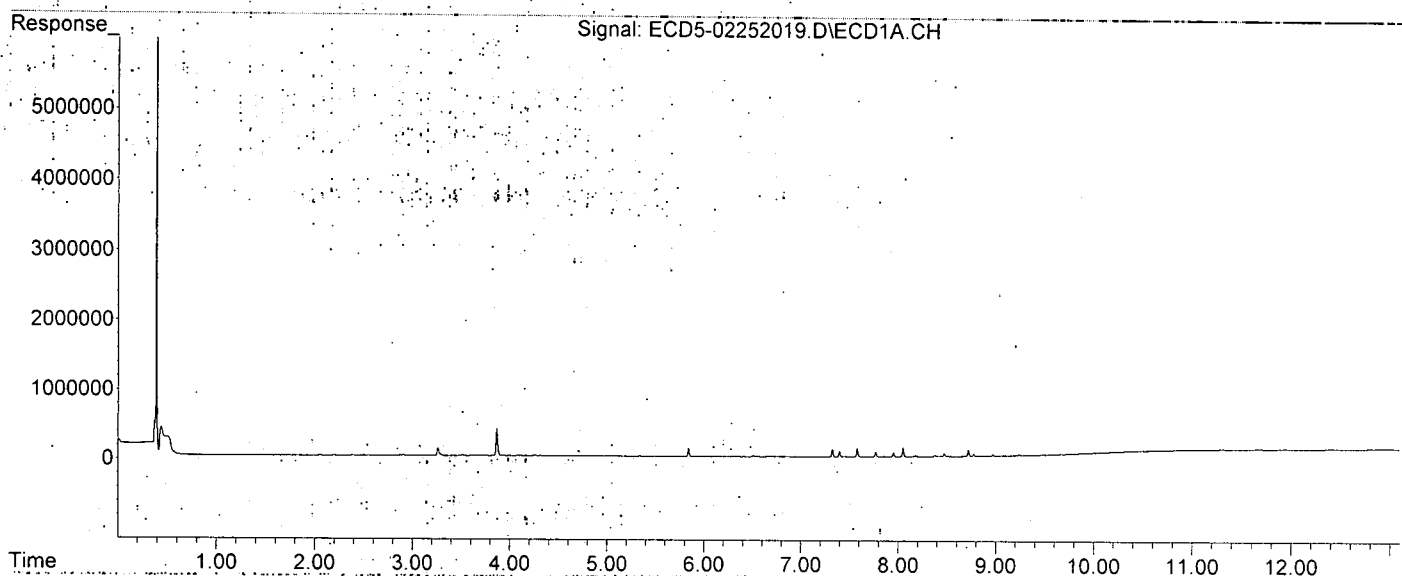
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:51:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

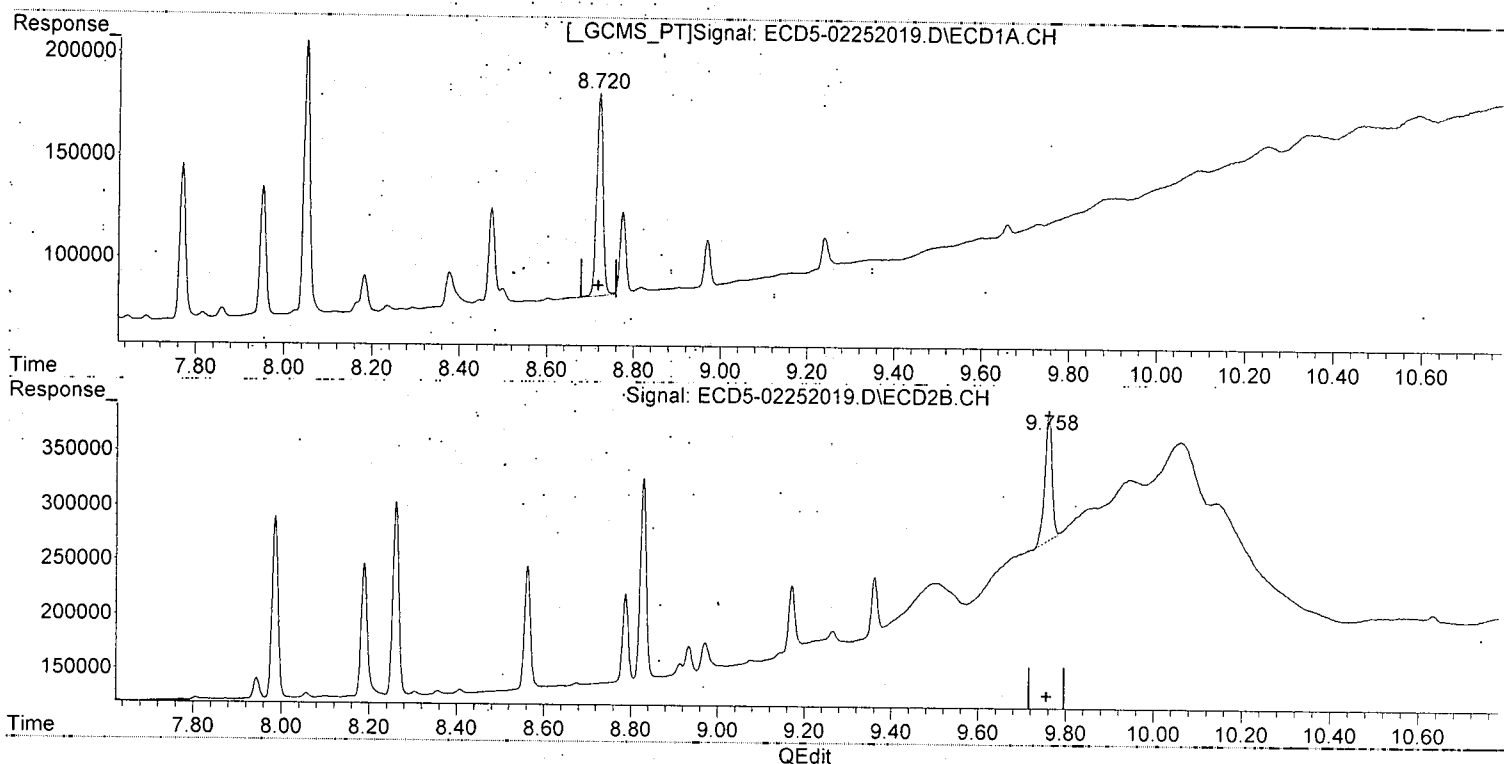


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:50:25 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(31) Mirex
8.721min 0.495 ng/mL
response 99990

MJB
2/26/20

(31) Mirex #2
9.758min 0.422 ng/mL
response 119379

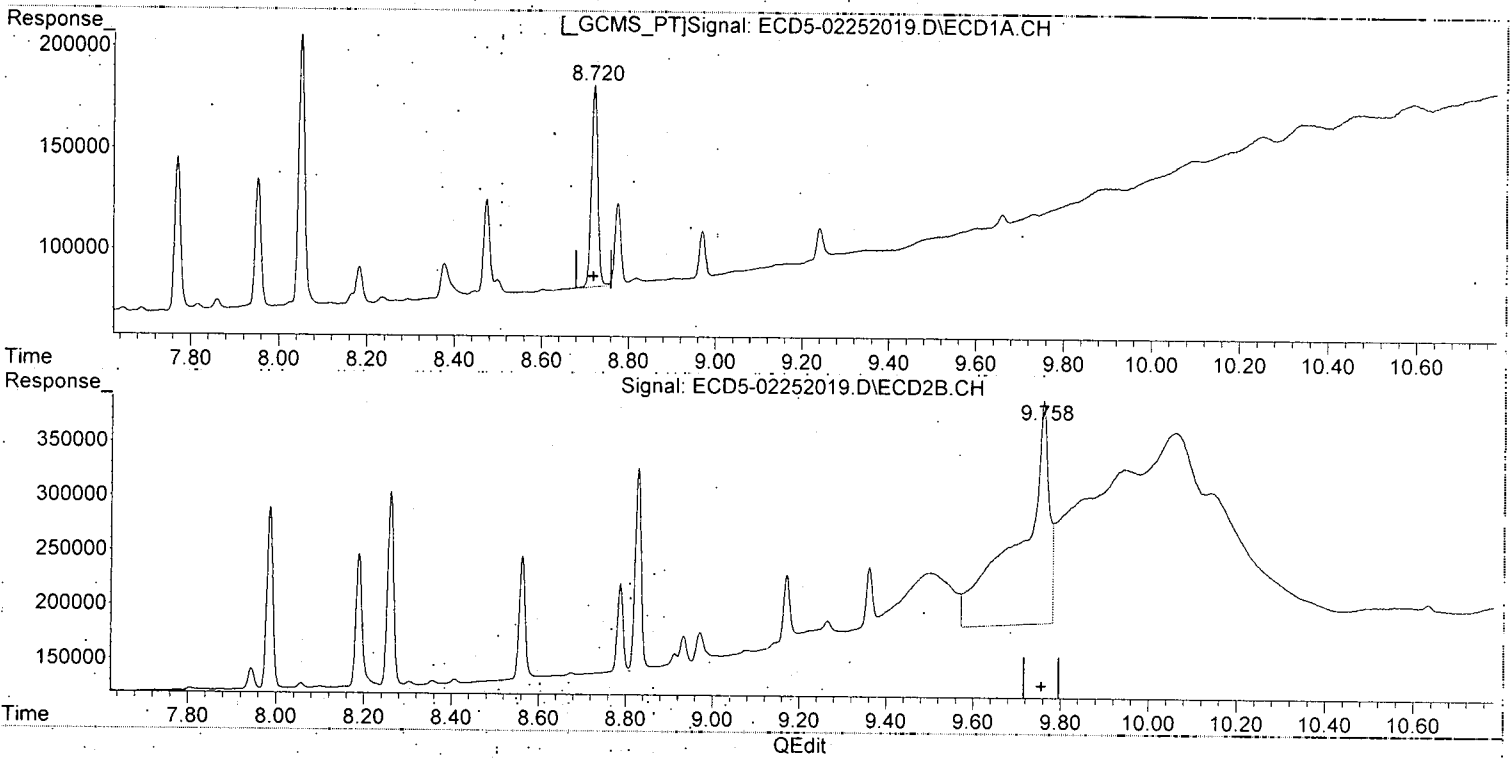
(+) = Expected Retention Time
ECD5_QUANTPEST_200225.M Wed Feb 26 14:51:21 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:50:25 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(31) Mirex
8.721min 0.495 ng/mL
response 99990

*MJB
2/26/20*

(31) Mirex #2
9.758min 0.915 ng/mL
response 204569

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MF
MB
2/26/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:50:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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System Monitoring Compounds

1) S TCMX (S)	0.000	6.051	0	6467	N.D.	BelowCal
22) S DCBP (S)	9.660	0.000	10695	0	BelowCal	N.D.

Target Compounds

2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.347	7.037	8094	6668	0.012	BelowCal #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.508	7.294	18403	25220	0.149	0.374 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.397	0.000	82916	0	0.392	N.D. #
9) trans-Chl...	7.492	8.188	3069	121631	0.015	0.362 #
10) cis-Chlor...	7.580	0.000	125622	0	0.603	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.860	8.562	4511	112451	0.021	0.332 #
14) Endrin	8.051f	8.788	133571	79209	0.780	0.306 #
15) 4,4'-DDD	8.051	8.828	133571	183369	0.995	0.766
16) Endosulfa...	8.183	8.934	18054	23711	0.110	0.005 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.474	9.171	47311	62151	0.108	0.062 #
19) Endosulfa...	8.775	9.361	40566	58071	0.120	0.159 #
20) Methoxychlor	8.604	9.501f	945	50461	BelowCal	0.947
21) Endrin Ke...	8.970	9.758	22603	204569	0.119	0.848 #
23) Hexachlor...	3.261	3.735	117932	219919	0.591	0.549
24) Hexachlor...	5.840	6.516	129074	201711	0.514	0.630
25) Oxychlorane	7.324	7.985	116445	166729	0.464	0.596 #
26) 2,4'-DDE	7.397	8.188	82916	121631	0.581	0.578
27) trans-Non...	7.580	8.260	125622	177493	0.477	0.577
28) 2,4'-DDD	7.770	8.562	76012	112451	0.597	0.610

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:30
 Operator : MJB
 Sample : 0B25043-CALA
 Misc : A20B332, 9-42 0.5 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:50:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.953	8.788	63598	79209	0.434	0.326
30)	cis-Nonac...	8.051	8.828	133571	183369	0.567	0.538
31)	Mirex	8.721	9.758	99990	204569	0.495	0.915 #
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33)	Chlordane...	7.397f	8.188f	82916	121631	2.877	3.789 #
34)	Chlordane...	7.953f	0.000	63598	0	8.360	N.D. #
35)	Chlordane...	3.740f	3.735	5477	219919	NoCal	NoCal
36)	Toxaphene...	7.492f	8.562	3069	112451	2.913	41.582 #
37)	Toxaphene...	7.770	8.914	76012	8739	39.088	2.509 #
38)	Toxaphene...	8.051	8.934	133571	23711	27.794	0.673 #
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	0.000	9.171f	0	62151	N.D.	12.376 #
41)	Toxaphene...	8.604	0.000	945	0	0.218	N.D. #
42)	Toxaphene...	3.740	3.735	5477	219919	NoCal	NoCal

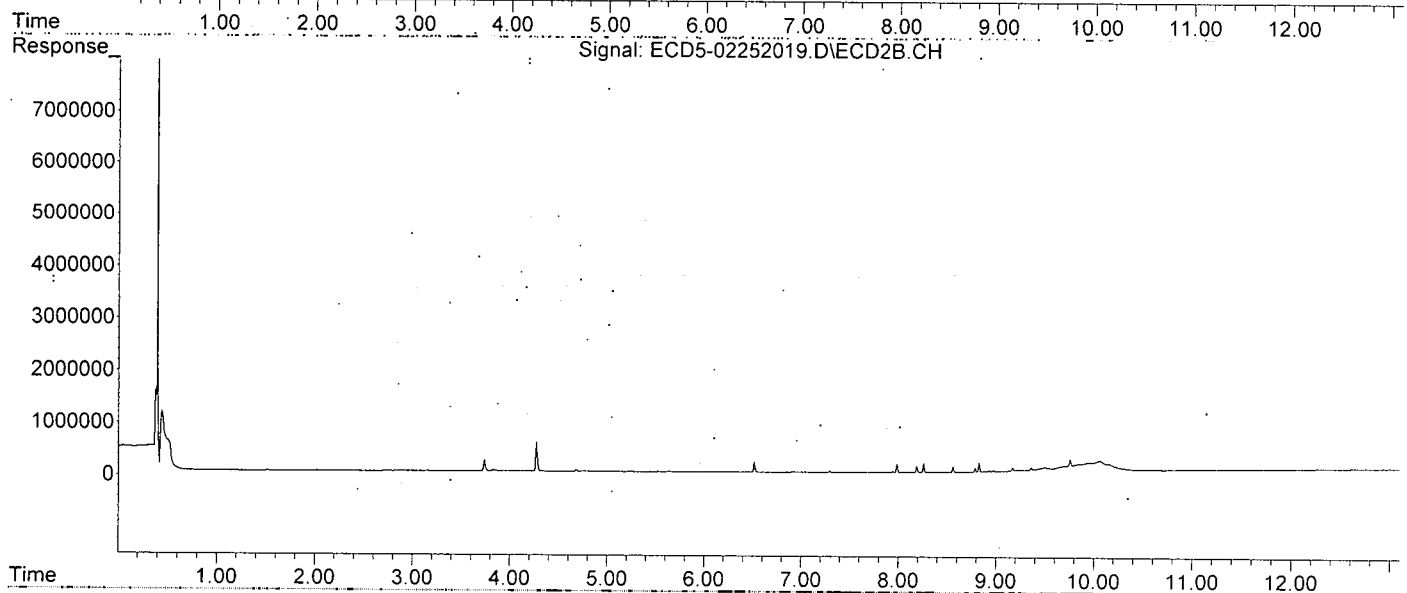
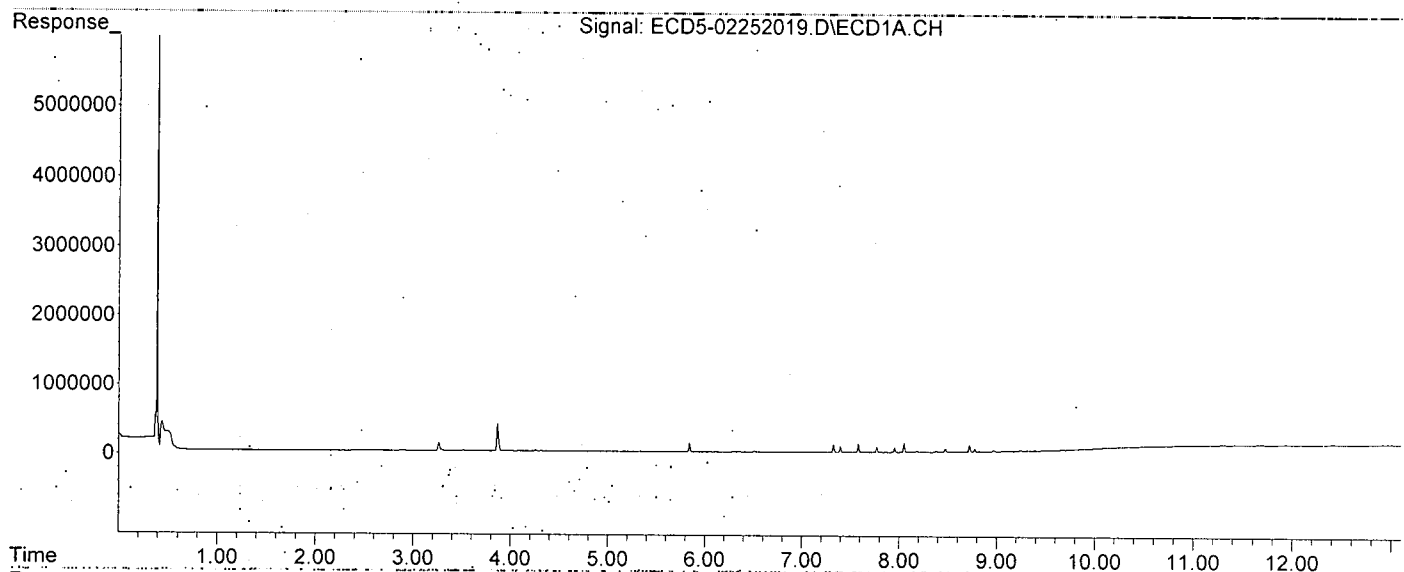
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 17:30
Operator : MJB
Sample : 0B25043-CALA
Misc : A20B332, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:50:25 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:47
 Operator : MJB
 Sample : 0B25043-CALB
 Misc : A19K263, 9-42 1 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:52:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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...	3.261	3.735	231018	429757	1.158	1.072
24) Hexachlor...	5.840	6.515	247315	381742	1.128	1.193
25) Oxychlordane	7.324	7.985	215837	307918	1.034	1.101
26) 2,4'-DDE	7.396	8.188	162790	234158	1.142	1.112
27) trans-Non...	7.579	8.260	236653	339792	1.037	1.105
28) 2,4'-DDD	7.769	8.561	147365	217911	1.158	1.181

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 17:47
 Operator : MJB
 Sample : 0B25043-CALB
 Misc : A19K263, 9-42 1 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:52:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.952	8.787	121988	155855	0.833	0.742
30) cis-Nonac...	8.050	8.828	260805	370083	1.107	1.085
31) Mirex	8.721	9.757	177415	239555	1.069	1.117
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

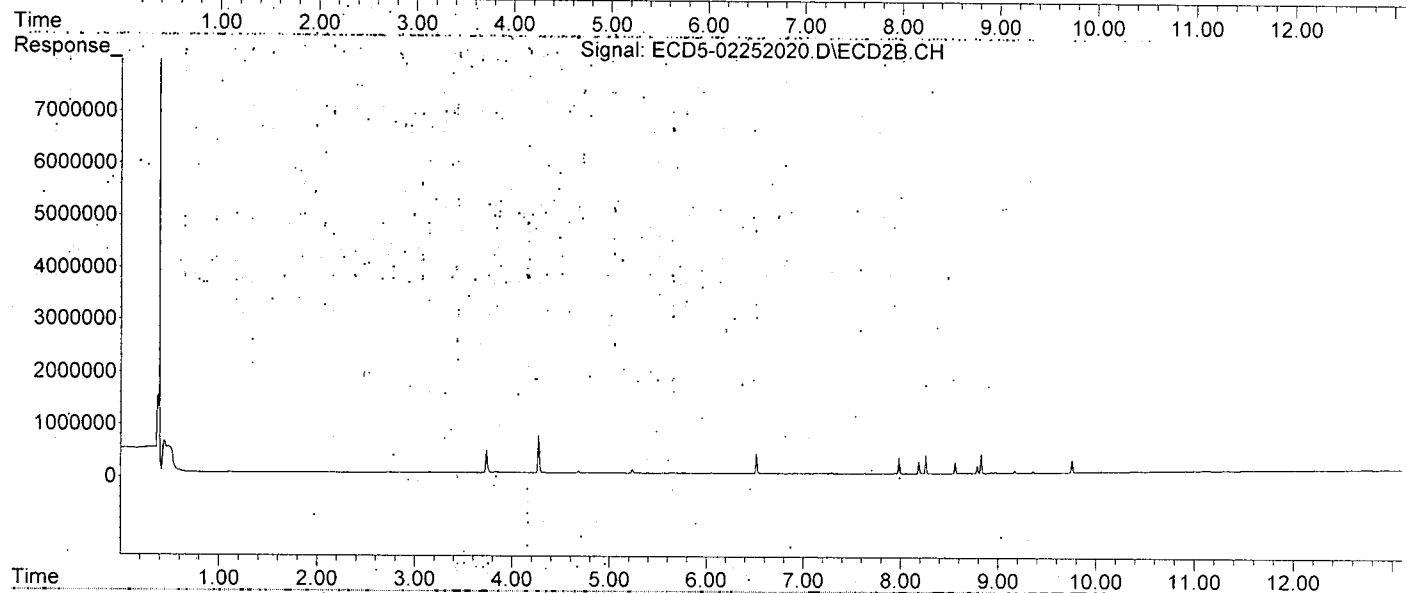
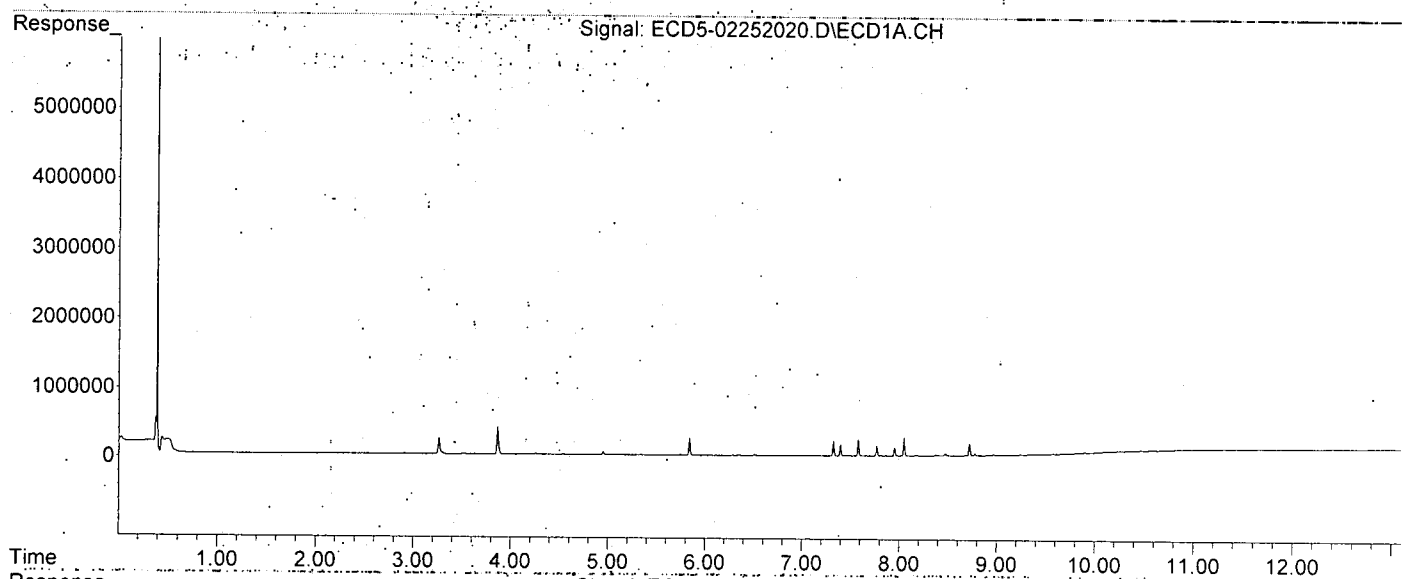
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path: C:\msdchem\1\data\2020-02\0B25043\
Data File: ECD5-02252020.D
Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On: 25 Feb 2020 17:47
Operator: MJB
Sample: 0B25043-CALB
Misc: A19K263, 9-42 1 ppb
ALS Vial: 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:52:00 2020
Quant Method: C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title: Instrument: DualECD5
QLast Update: Wed Feb 26 14:49:58 2020
Response via: Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj.: 2uL
Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info: 30m X 0.32mm X 0. Signal #2 Info: 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:05
 Operator : MJB
 Sample : 0B25043-CALC
 Misc : A19K264, 9-42.2 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:52:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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...	3.261	3.735	456305	860733	2.288	2.148
24) Hexachlor...	5.840	6.515	454930	716095	2.206	2.237
25) Oxylchlorane	7.323	7.985	404098	596146	2.114	2.131
26) 2,4'-DDE	7.396	8.187	308973	450716	2.167	2.140
27) trans-Non...	7.579	8.260	451765	659379	2.122	2.144
28) 2,4'-DDD	7.769	8.561	278841	402947	2.192	2.185

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:05
 Operator : MJB
 Sample : 0B25043-CALC
 Misc : A19K264, 9-42 2 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:52:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29)	2,4'-DDT	7.952	8.787	247235	322849	1.688	1.646
30)	cis-Nonac...	8.050	8.827	494941	704365	2.100	2.065
31)	Mirex	8.720	9.757	331292	427844	2.210	2.205
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

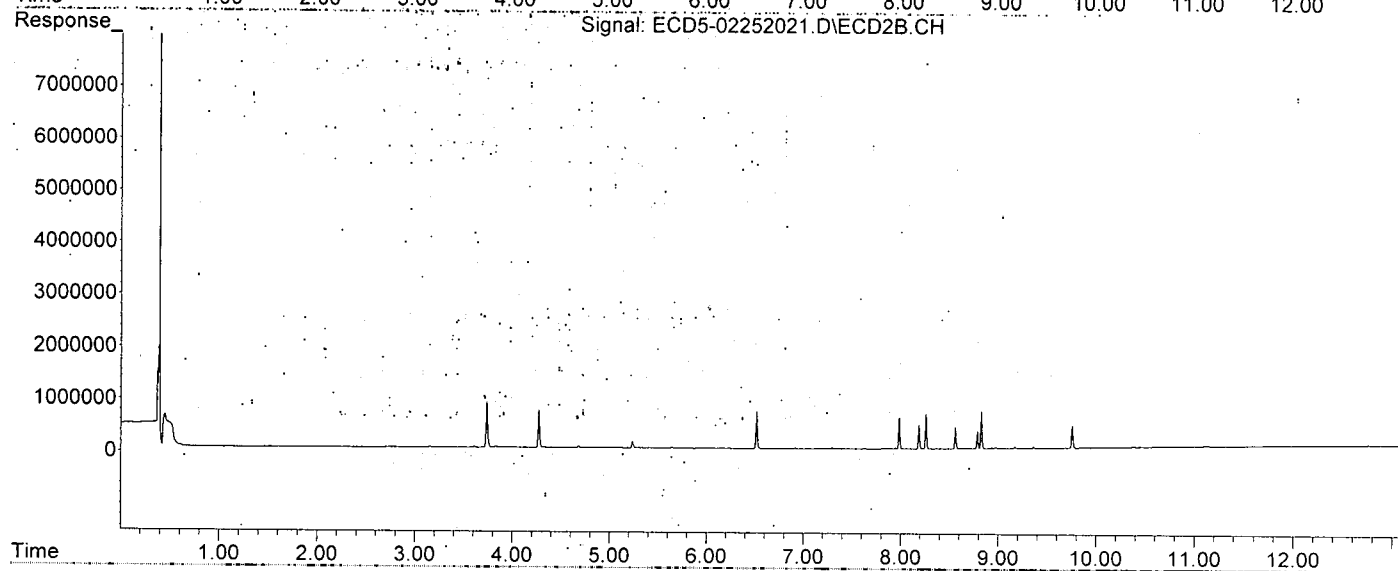
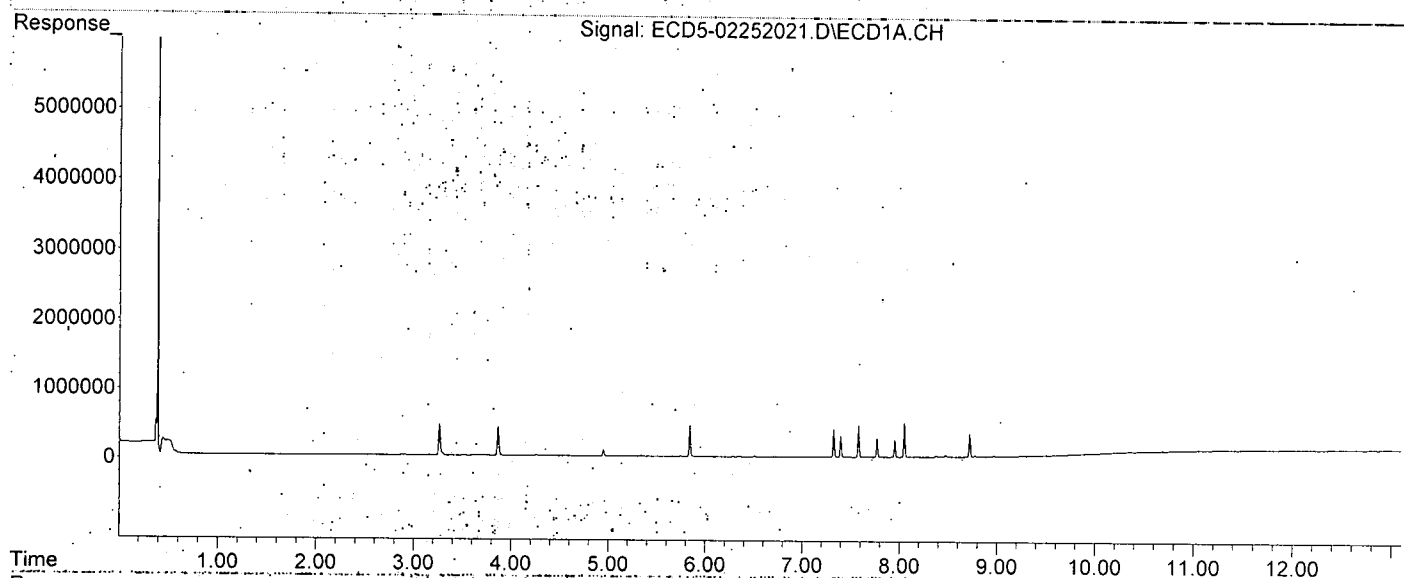
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:05
Operator : MJB
Sample : 0B25043-CALC
Misc : A19K264, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:52:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:22
 Operator : MJB
 Sample : 0B25043-CALD
 Misc : A19K265, 9-42 5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:53:14 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
2/26/20

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...	3.261	3.735	1113082	2127786	5.581	5.310
24) Hexachlor...	5.840	6.516	1134739	1781991	5.734	5.567
25) Oxychlorane	7.324	7.985	1015651	1516690	5.620	5.423
26) 2,4'-DDE	7.396	8.187	784279	1172351	5.500	5.567
27) trans-Non...	7.579	8.260	1144259	1676451	5.613	5.452
28) 2,4'-DDD	7.769	8.562	710550	1029786	5.585	5.583

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:22
 Operator : MJB
 Sample : 0B25043-CALD
 Misc : A19K265, 9-42 5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:53:14 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.952	8.787	643652	853816	4.394	4.501
30) cis-Nonac...	8.050	8.827	1288124	1876952	5.465	5.502
31) Mirex	8.720	9.757	781249	1031368	5.550	5.673
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

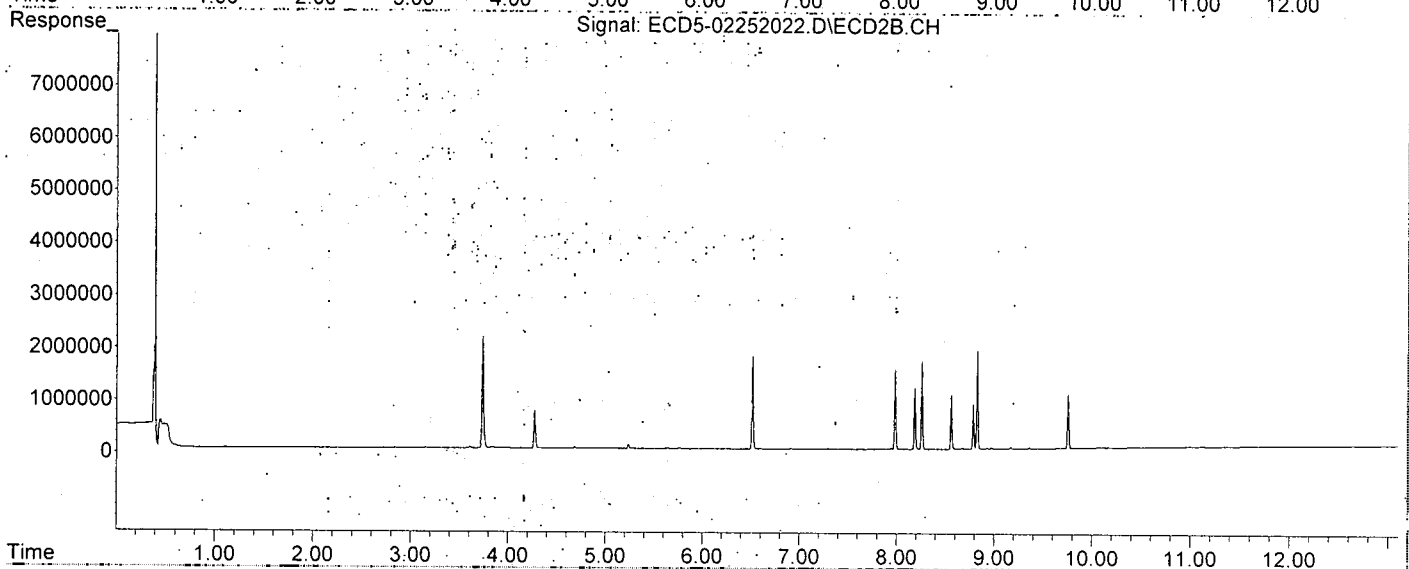
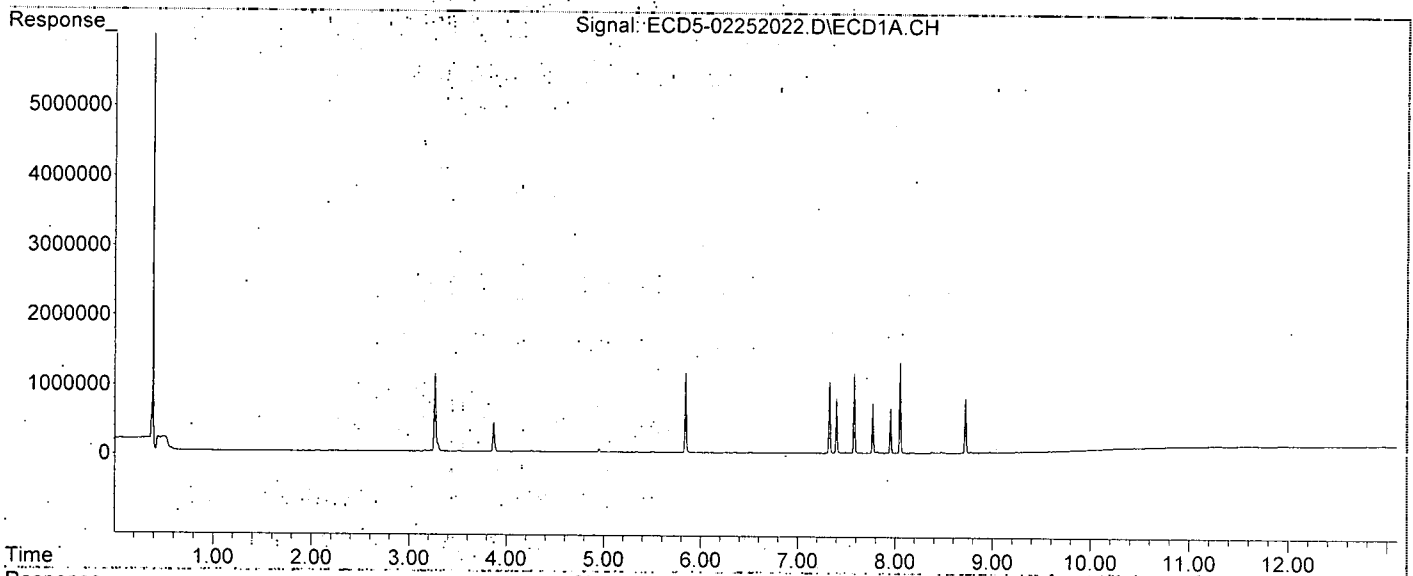
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:22
Operator : MJB
Sample : 0B25043-CALD
Misc : A19K265, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:53:14 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info. : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:39
 Operator : MJB
 Sample : 0B25043-CALE
 Misc : A19K266, 9-42 10 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:53:50 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
2/26/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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...	3.260	3.735	2115564	4029851	10.607	10.056
24) Hexachlor...	5.840	6.515	2108819	3393326	10.790	10.601
25) Oxychlorane	7.323	7.985	1862537	2780134	10.469	9.940
26) 2,4'-DDE	7.395	8.187	1469851	2213415	10.308	10.510
27) trans-Non...	7.578	8.259	2133448	3123800	10.596	10.159
28) 2,4'-DDD	7.768	8.561	1279287	1931515	10.055	10.472

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:39
 Operator : MJB
 Sample : 0B25043-CALE
 Misc : A19K266, 9-42 10 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:53:50 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation. 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.951	8.786	1188032	1641641	8.111	8.682
30) cis-Nonac...	8.050	8.827	2424511	3529630	10.287	10.347
31) Mirex	8.719	9.756	1417093	1914233	10.276	10.700
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

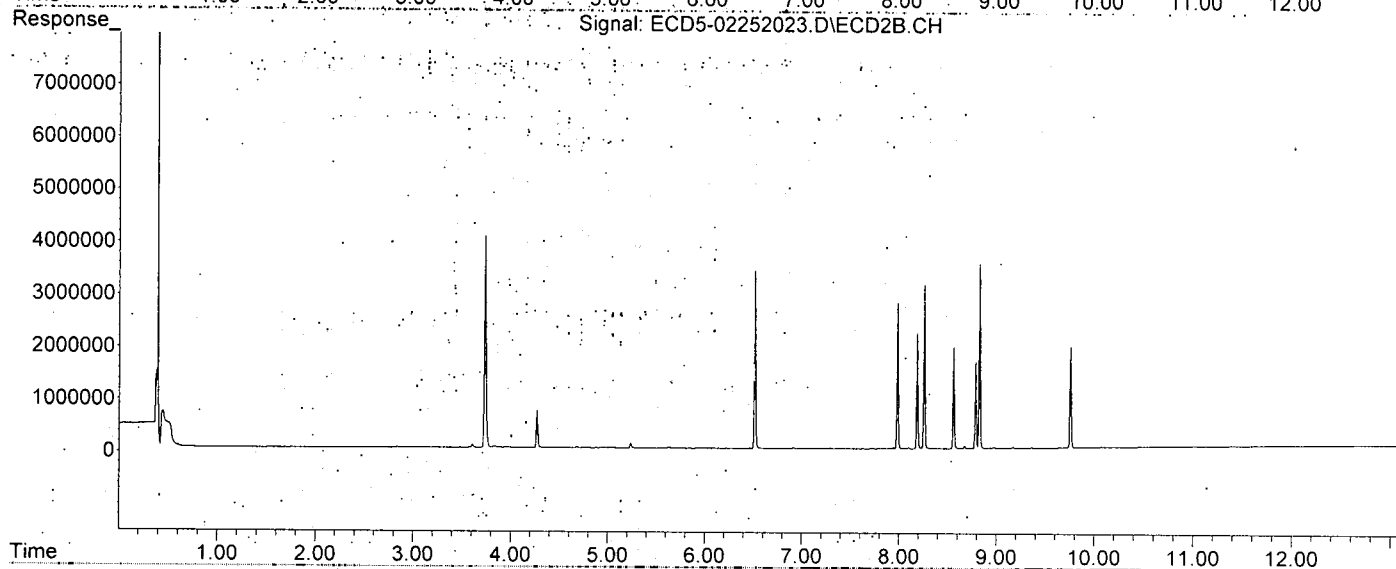
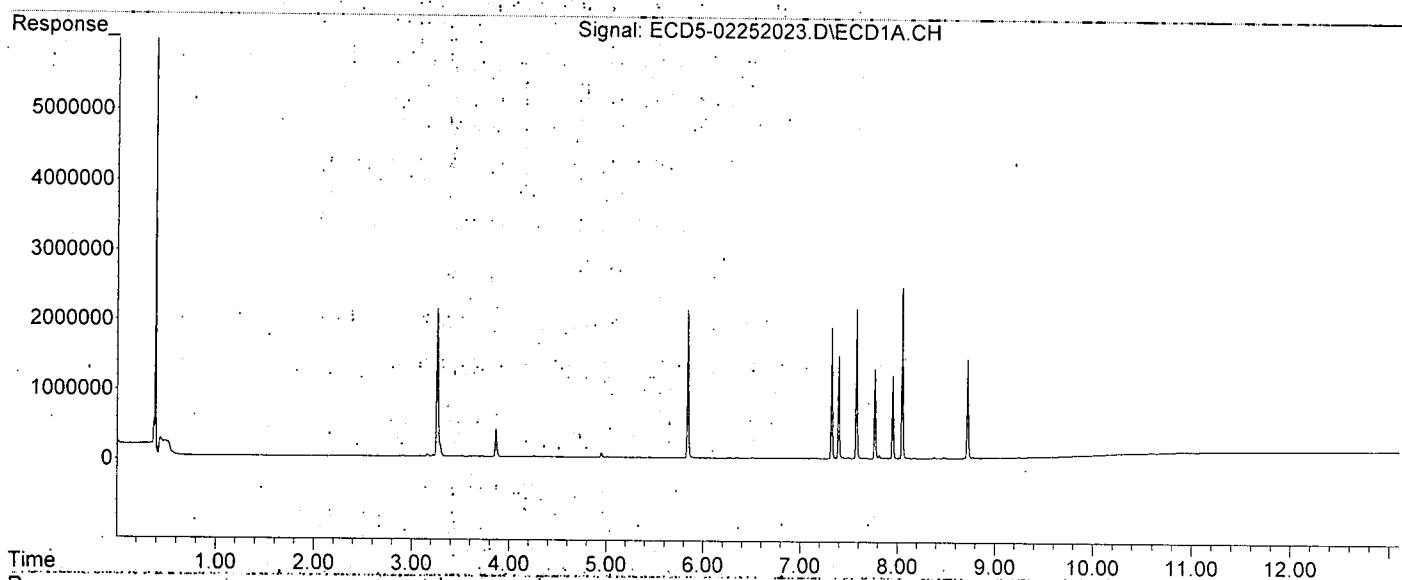
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:39
Operator : MJB
Sample : 0B25043-CALE
Misc : A19K266, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:53:50 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:56
 Operator : MJB
 Sample : 0B25043-CALF
 Misc : A19J407, 9-42.25 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:54:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJP
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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...	3.261	3.736	5372243	10474503	26.936	26.139
24) Hexachlor...	5.840	6.515	5164469	8445450	26.646	26.384
25) Oxychlorane	7.323	7.985	4667823	7090383	26.491	25.351
26) 2,4'-DDE	7.395	8.188	3629037	5570315	25.451	26.451
27) trans-Non...	7.578	8.259	5130994	7939518	25.668	25.821
28) 2,4'-DDD	7.768	8.561	3146355	4852223	24.729	26.308

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 18:56
 Operator : MJB
 Sample : 0B25043-CALF
 Misc : A19J407, 9-42 25 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:54:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.952	8.787	3118024	4477299	21.287	23.237
30) cis-Nonac...	8.049	8.827	5977723	8823260	25.362	25.864
31) Mirex	8.719	9.756	3449936	4725980	25.428	26.359
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

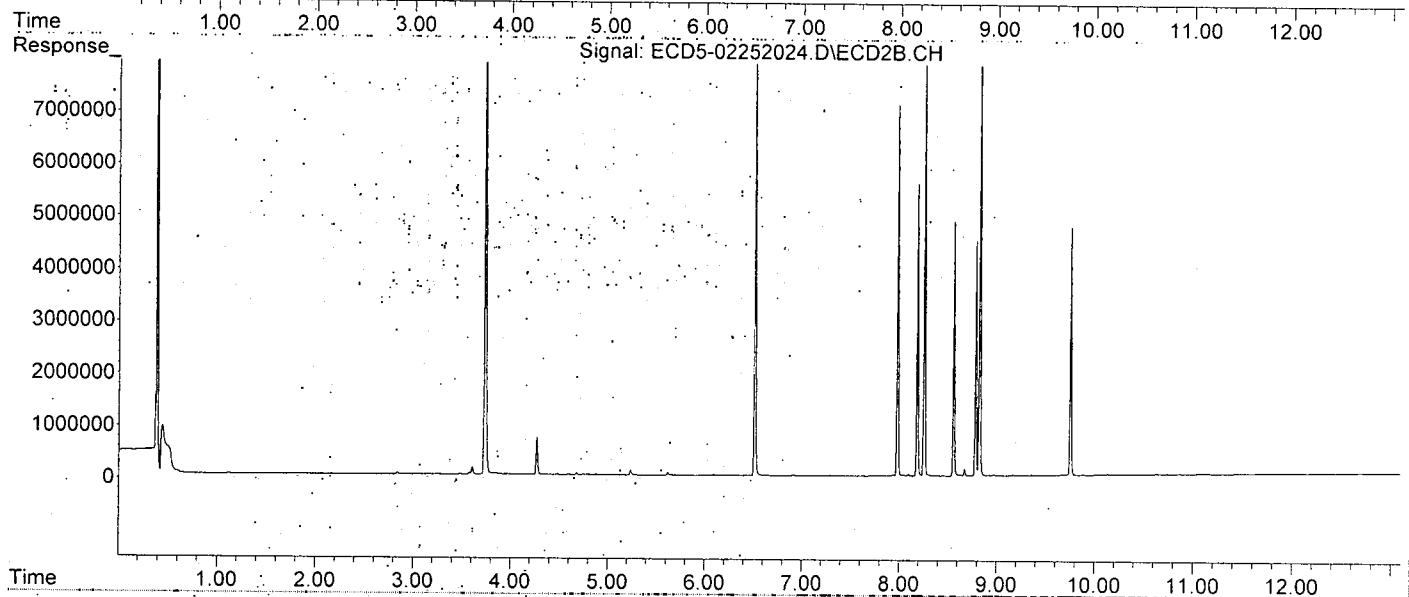
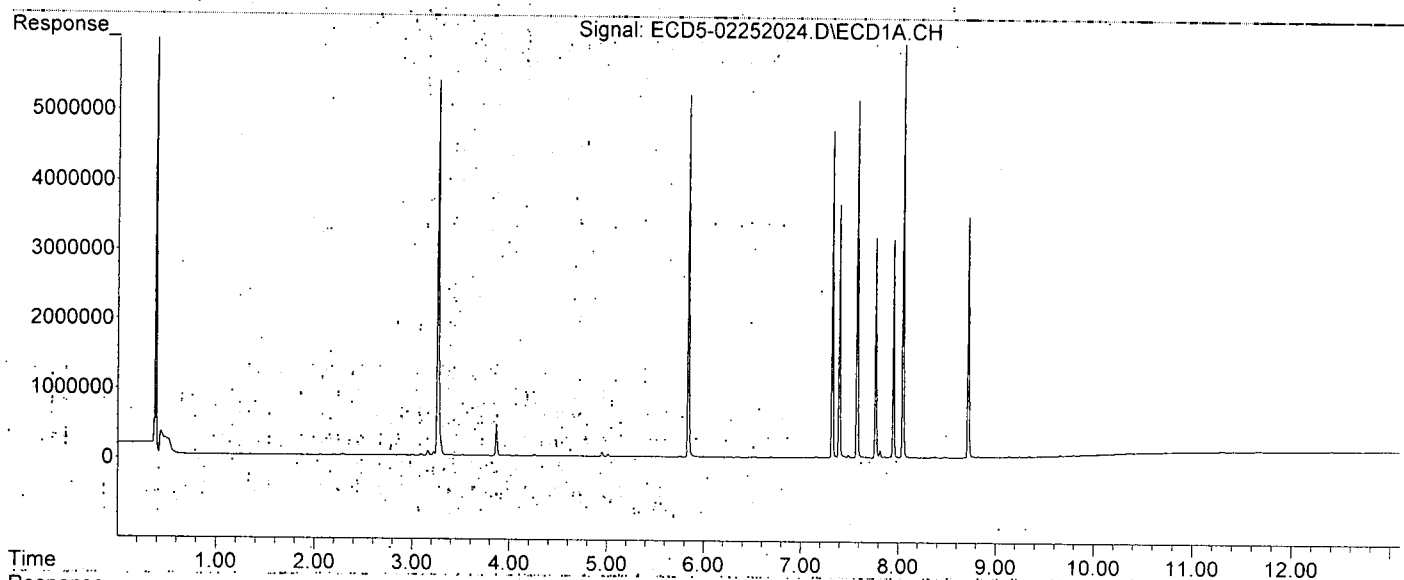
(f)=RT Delta > 1/2 Window. (#)=Amounts differ by >.25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 18:56
Operator : MJB
Sample : 0B25043-CALF
Misc : A19J407, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:54:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:13
 Operator : MJB
 Sample : 0B25043-CALG
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:49:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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...	3.261	3.736	9990291	19935750	50.090	49.749
24) Hexachlor...	5.840	6.516	9886431	16599953	51.139	51.858
25) Oxylchlorane	7.323	7.985	8837500	13968909	50.190	49.944
26) 2,4'-DDE	7.395	8.187	6700631	10947466	46.992	51.985
27) trans-Non...	7.578	8.259	10012921	15596383	50.130	50.722
28) 2,4'-DDD	7.768	8.561	6083122	9442355	47.811	51.195

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:13
 Operator : MJB
 Sample : 0B25043-CALG
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:49:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:42:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation: 6890 Scale Mode: Small noise peaks clipped

Volume Inj: 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0 Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.951	8.787	6102858	8983017	41.664	44.976
30) cis-Nonac...	8.050	8.827	11201104	17575775	47.524	51.521
31) Mirex	8.720	9.756	6526642	8959174	48.494	49.016
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

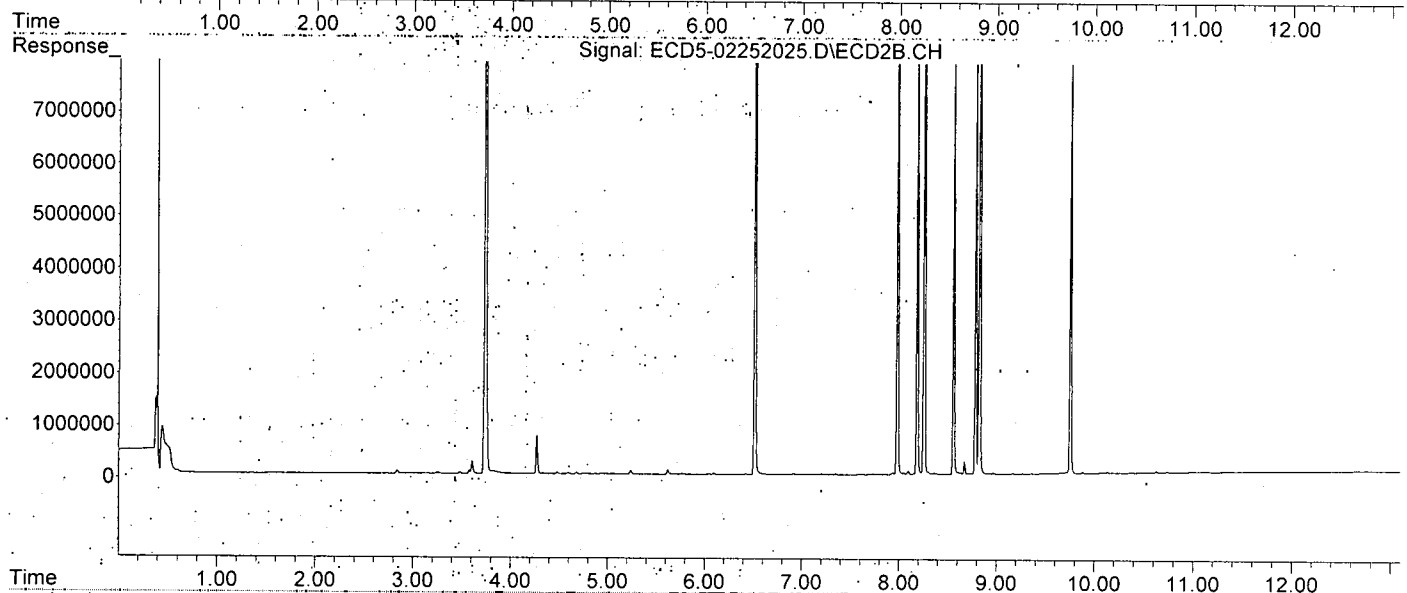
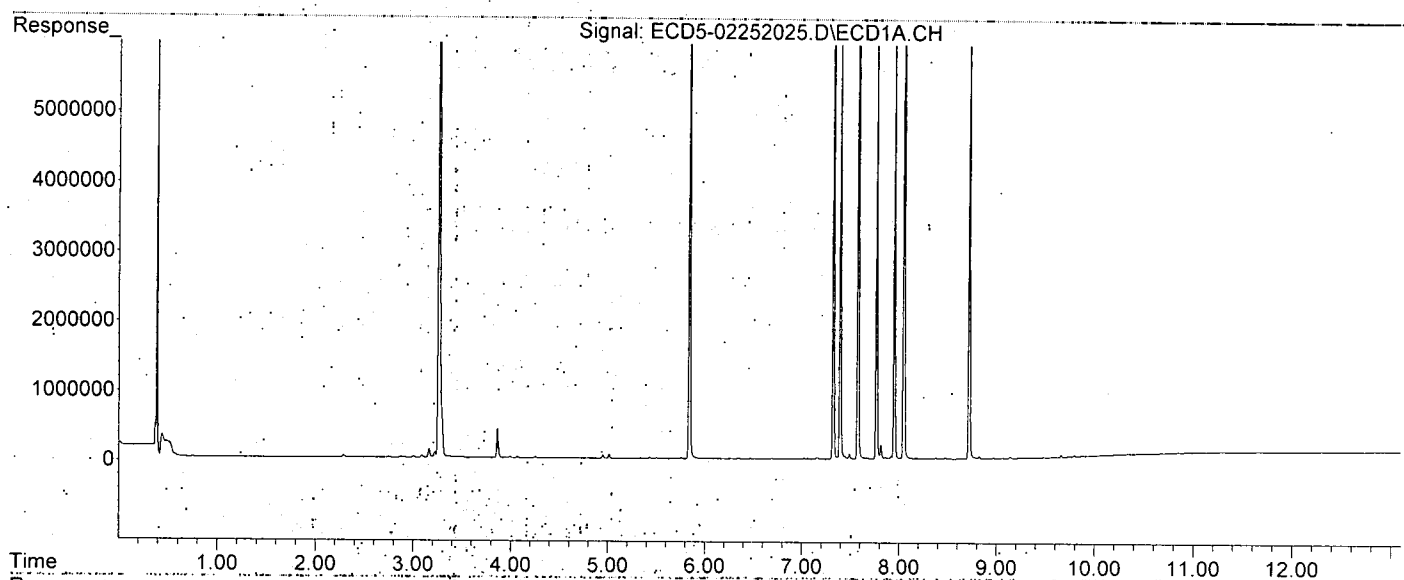
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 19:13
Operator : MJB
Sample : 0B25043-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:49:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:42:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:30
 Operator : MJB
 Sample : 0B25043-CALH
 Misc : A19J409, 9-42 100 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:54:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJB
2/26/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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...	3.261	3.736	23135918	47129729	116.001	117.611
24) Hexachlor...	5.840	6.516	22470076	38212346	116.354	119.375
25) Oxylchlorane	7.322	7.985	19750075	33092536	111.570	118.317
26) 2,4'-DDE	7.394	8.187	15104320	25045392	105.927	118.929
27) trans-Non...	7.577	8.259	22677932	36910070	113.102	120.037
28) 2,4'-DDD	7.767	8.561	13756435	22001853	108.119	119.290

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:30
 Operator : MJB
 Sample : 0B25043-CALH
 Misc : A19J409, 9-42 100 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:54:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0 Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.950	8.787	14712939	22793757	100.446	103.784
30) cis-Nonac...	8.049	8.827	25852009	41681458	109.684	122.183
31) Mirex	8.718	9.756	14378442	21589971	108.098	111.251
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

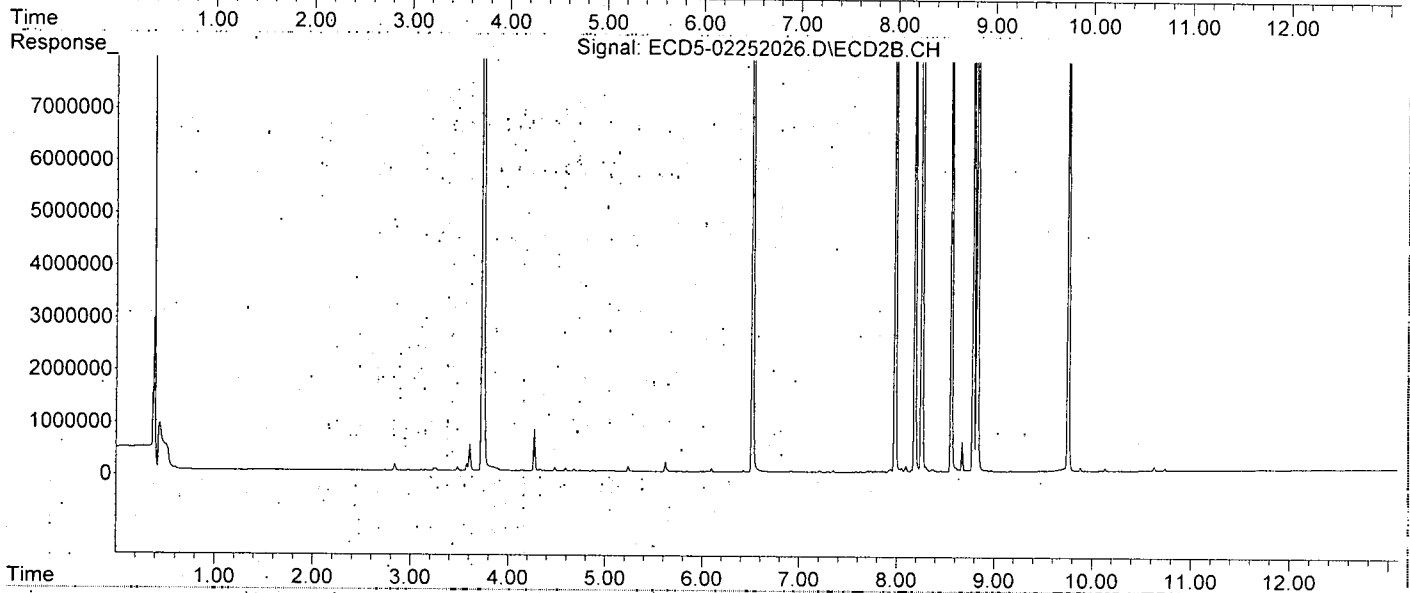
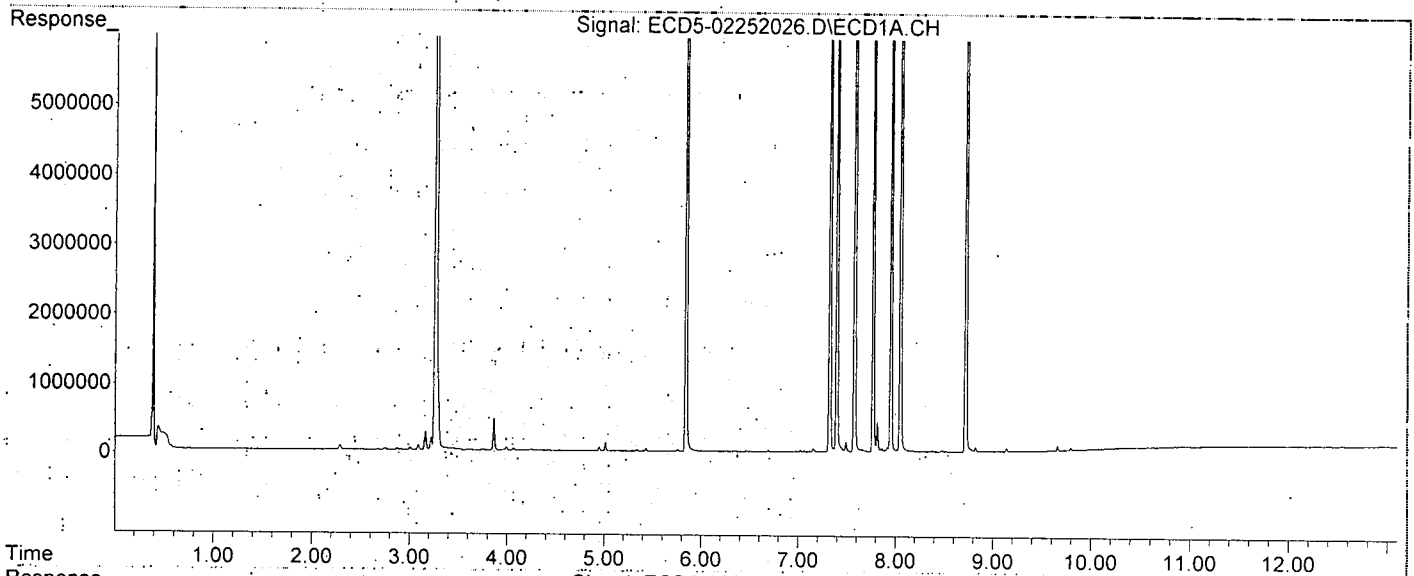
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 19:30
Operator : MJB
Sample : 0B25043-CALH
Misc : A19J409, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:54:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:47
 Operator : MJB
 Sample : 0B25043-CALI
 Misc : A19K262, 9-42 200 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:55:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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...	3.262	3.738	44880919	99830182	225.027	249.123
24) Hexachlor...	5.841	6.517	45050237	79747299	233.170	249.130
25) Oxychlorane	7.323	7.986	40282611	70119555	224.658	250.702
26) 2,4'-DDE	7.395	8.188	31136923	53538270	218.365	254.229
27) trans-Non...	7.578	8.260	45537534	78361174	225.041	254.843
28) 2,4'-DDD	7.768	8.562	27847592	46768267	218.869	253.569

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 19:47
 Operator : MJB
 Sample : 0B25043-CALI
 Misc : A19K262, 9-42 200 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:55:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
29) 2,4'-DDT	7.951	8.788	29910856	48925010	204.203	195.073
30) cis-Nonac...	8.049	8.829	51137593	88266437	216.965	258.740
31) Mirex	8.719	9.757	30221229	46031145	231.817	215.452
32) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

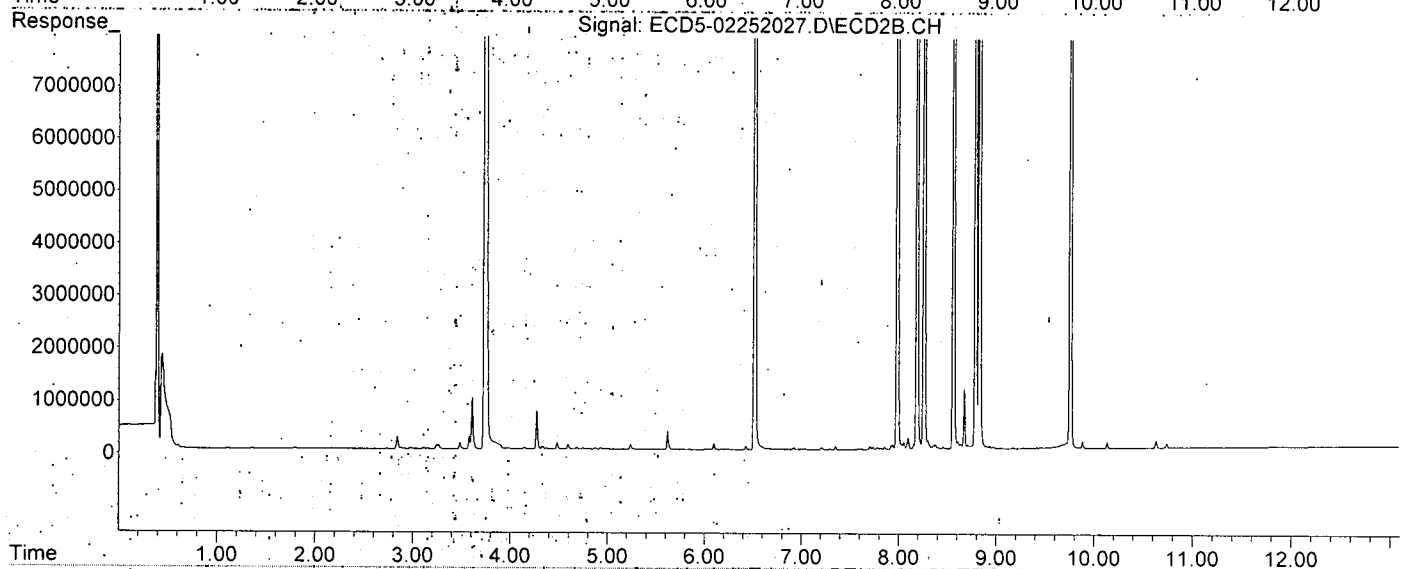
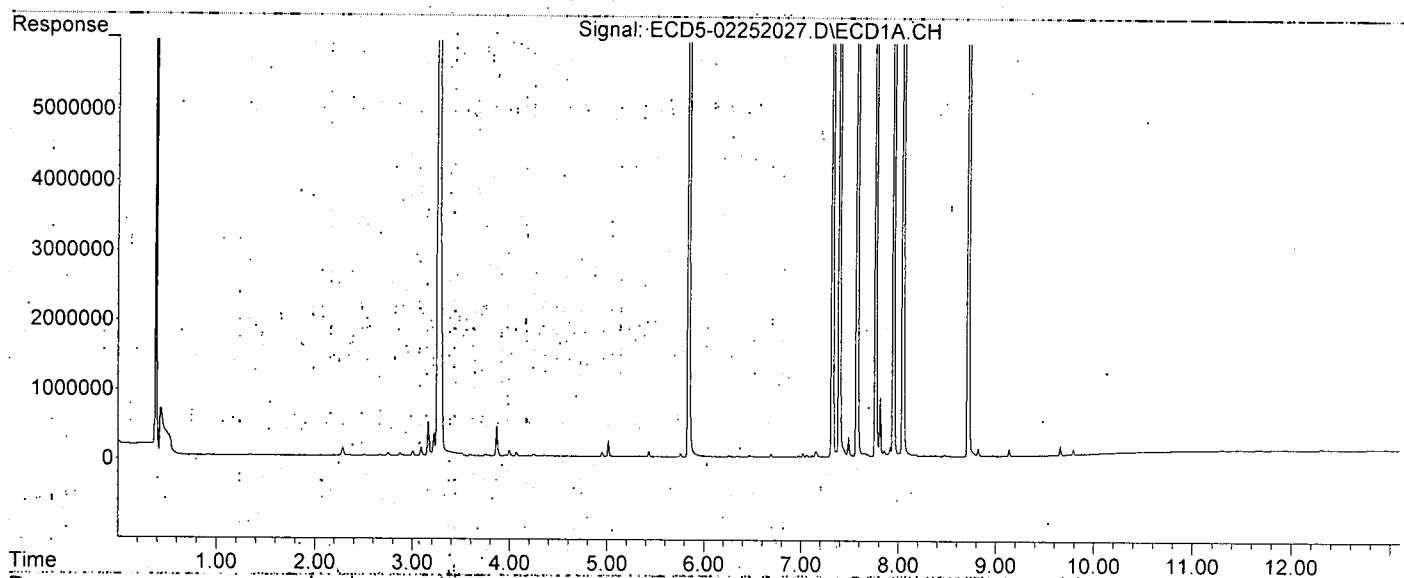
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 19:47
Operator : MJB
Sample : 0B25043-CALI
Misc : A19K262, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:55:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:39
 Operator : MJB
 Sample : 0B25043-CALJ
 Misc : A20B333, CHLOR 10 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:00:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:39
 Operator : MJB
 Sample : 0B25043-CALJ
 Misc : A20B333, CHLOR 10 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:00:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL

Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.492	8.197	260129	409106	11.087	10.518
33) Chlordane...	7.585	8.305	290821	355505	10.091	11.076
34) Chlordane...	8.136	8.970	78700	117072	10.345	11.026
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

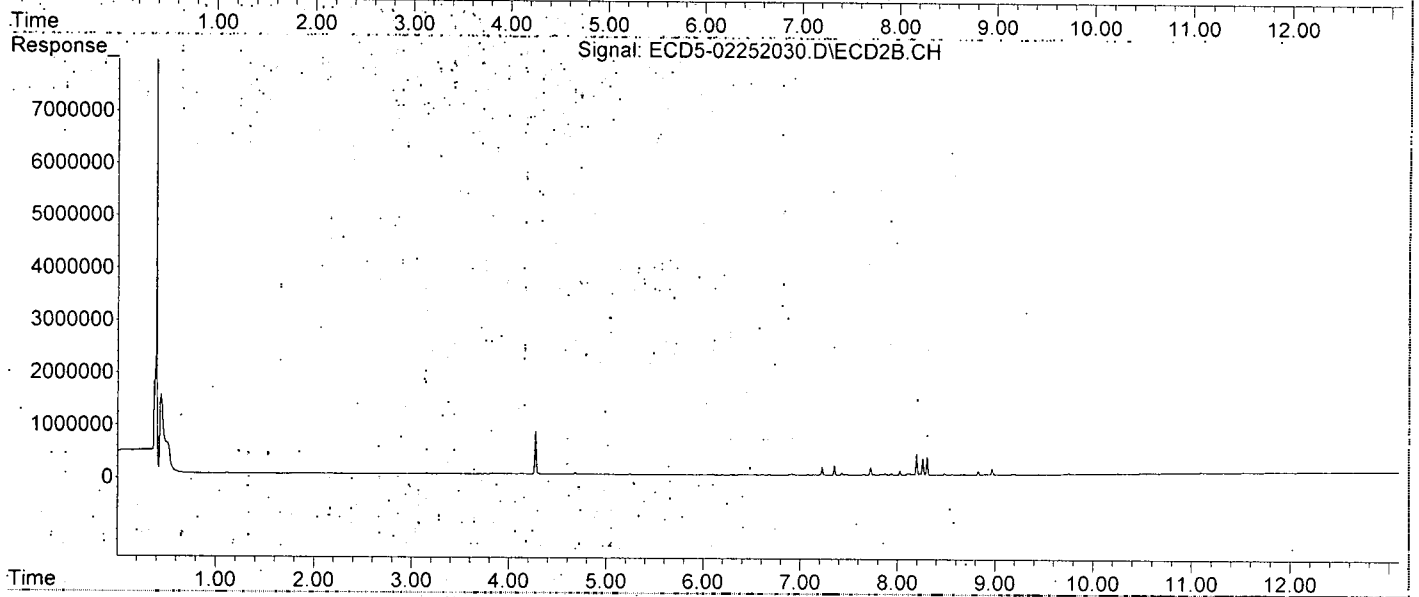
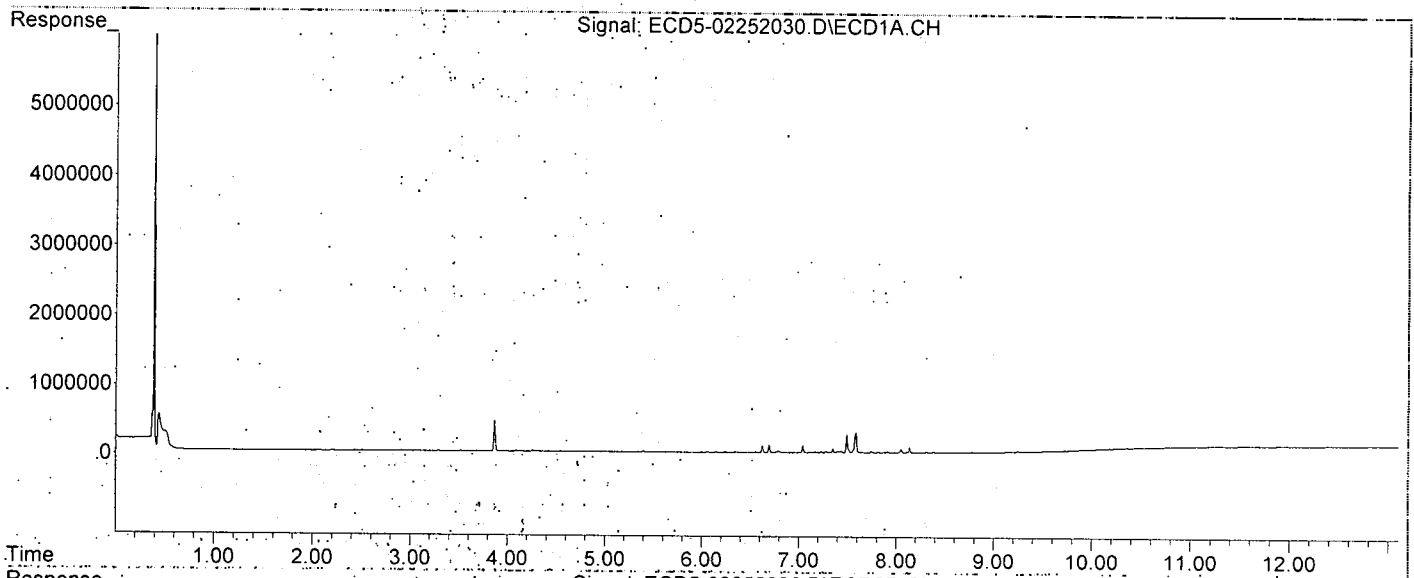
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 20:39
Operator : MJB
Sample : 0B25043-CALJ
Misc : A20B333, CHLOR 10 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:00:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:59:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:56
 Operator : MJB
 Sample : 0B25043-CALK
 Misc : A19K307, CHLOR 50 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:00:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 20:56
 Operator : MJB
 Sample : 0B25043-CALK
 Misc : A19K307, CHLOR 50 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:00:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.491	8.197	1219372	1979615	51.973	50.894
33)	Chlordane...	7.584	8.305	1365879	1627418	47.392	50.702
34)	Chlordane...	8.136	8.970	363557	503081	47.789	47.381
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

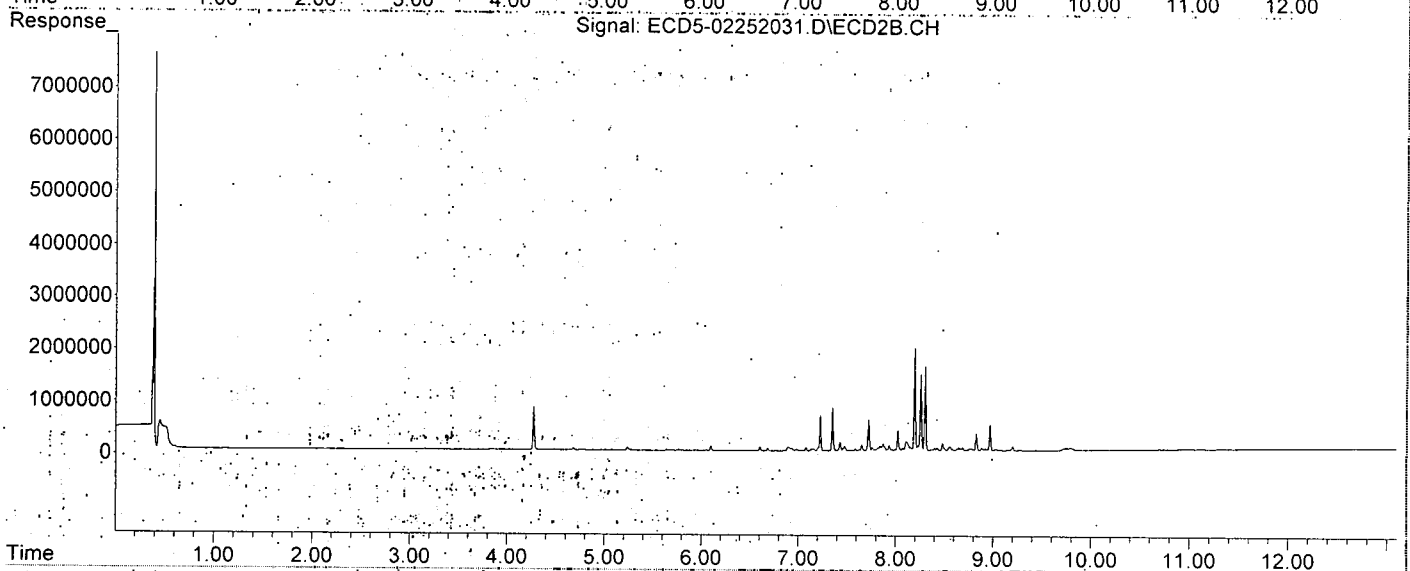
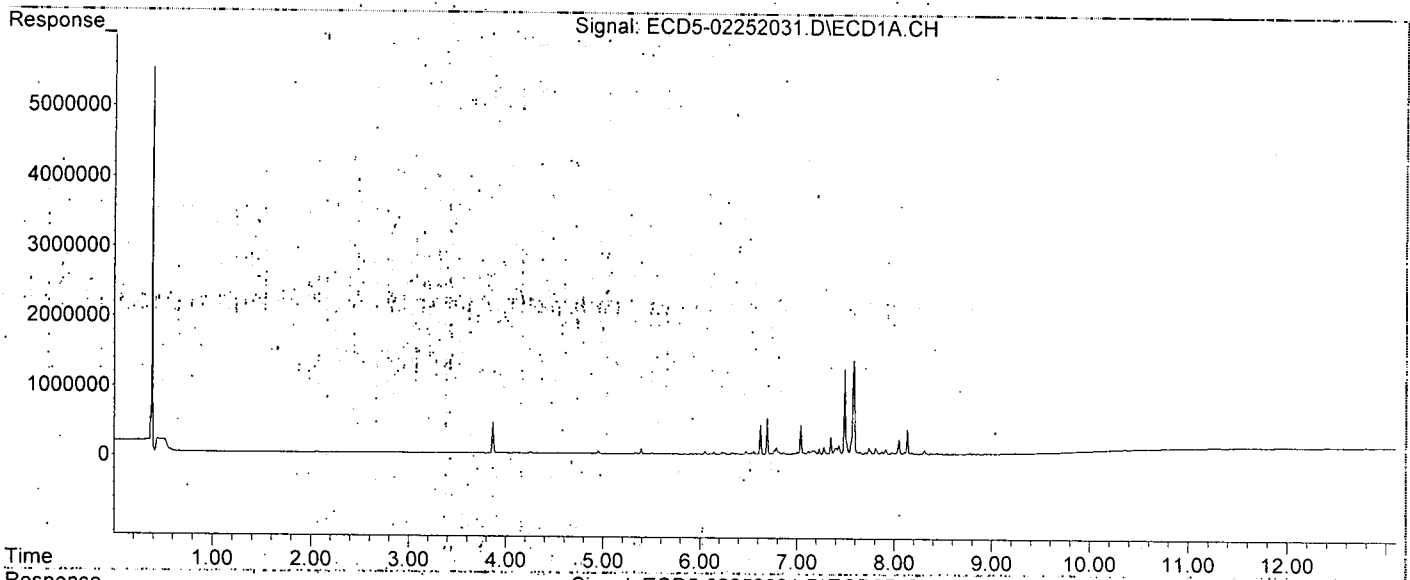
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 20:56
Operator : MJB
Sample : 0B25043-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:00:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:59:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:13
 Operator : MJB
 Sample : 0B25043-CALL
 Misc : A19K308, CHLOR 100 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:01:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

*MJB
2/26/20*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorthane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:13
 Operator : MJB
 Sample : 0B25043-CALL
 Misc : A19K308, CHLOR 100 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:01:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.490	8.196	2563682	4226014	109.271	108.646
33) Chlordane...	7.584	8.304	2858046	3515911	99.166	109.537
34) Chlordane...	8.135	8.969	778570	1045379	102.341	98.456
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

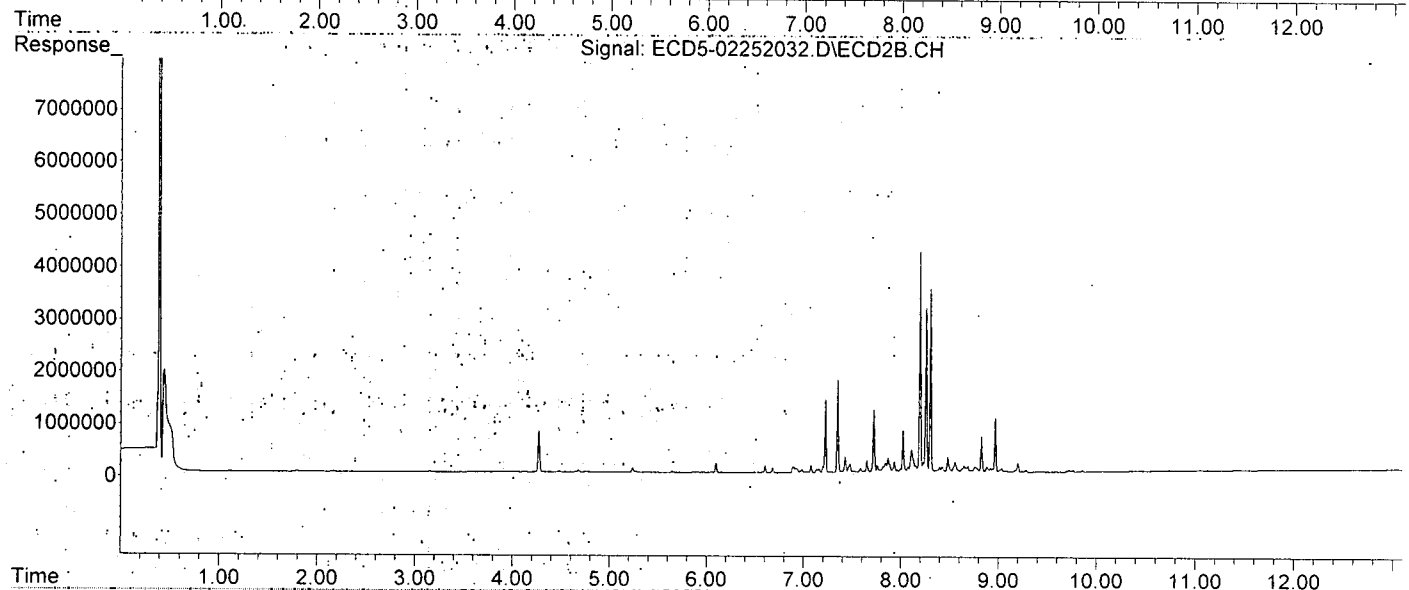
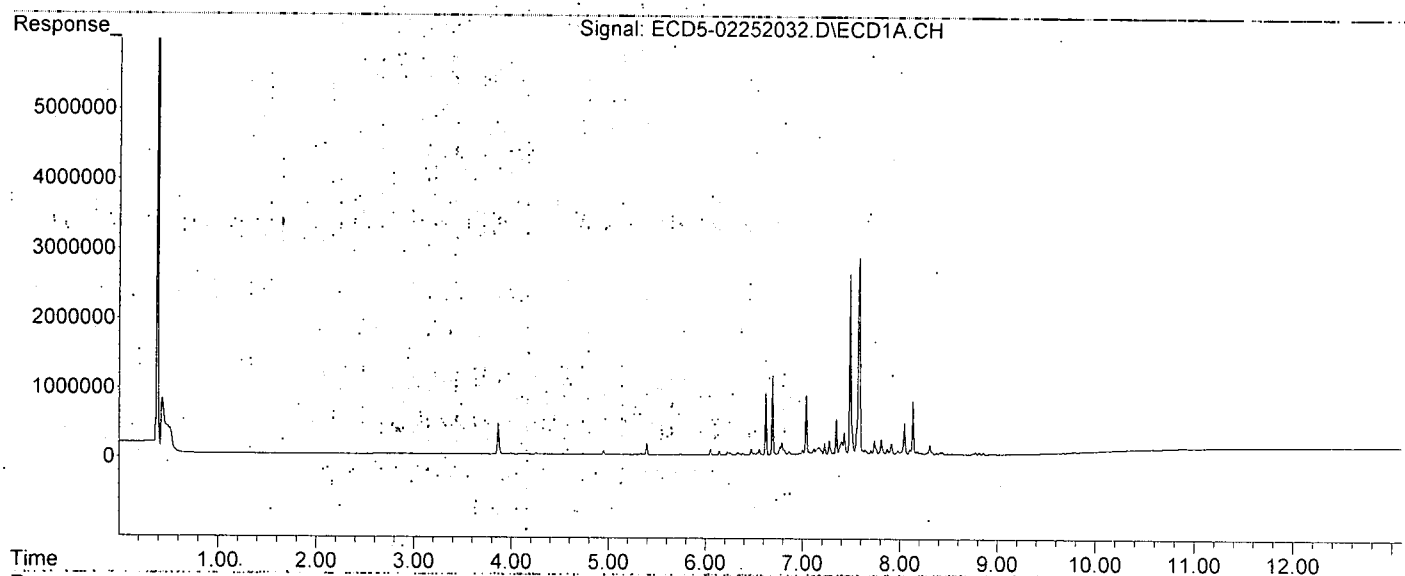
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 21:13
Operator : MJB
Sample : 0B25043-CALL
Misc : : A19K308, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:01:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:59:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:30
 Operator : MJB
 Sample : 0B25043-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:01:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:30
 Operator : MJB
 Sample : 0B25043-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:01:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.491	8.196	4888024	8173427	208.341	210.130
33) Chlordane...	7.584	8.305	5357870	6715049	185.903	209.205
34) Chlordane...	8.136	8.969	1447050	2011818	190.211	189.477
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

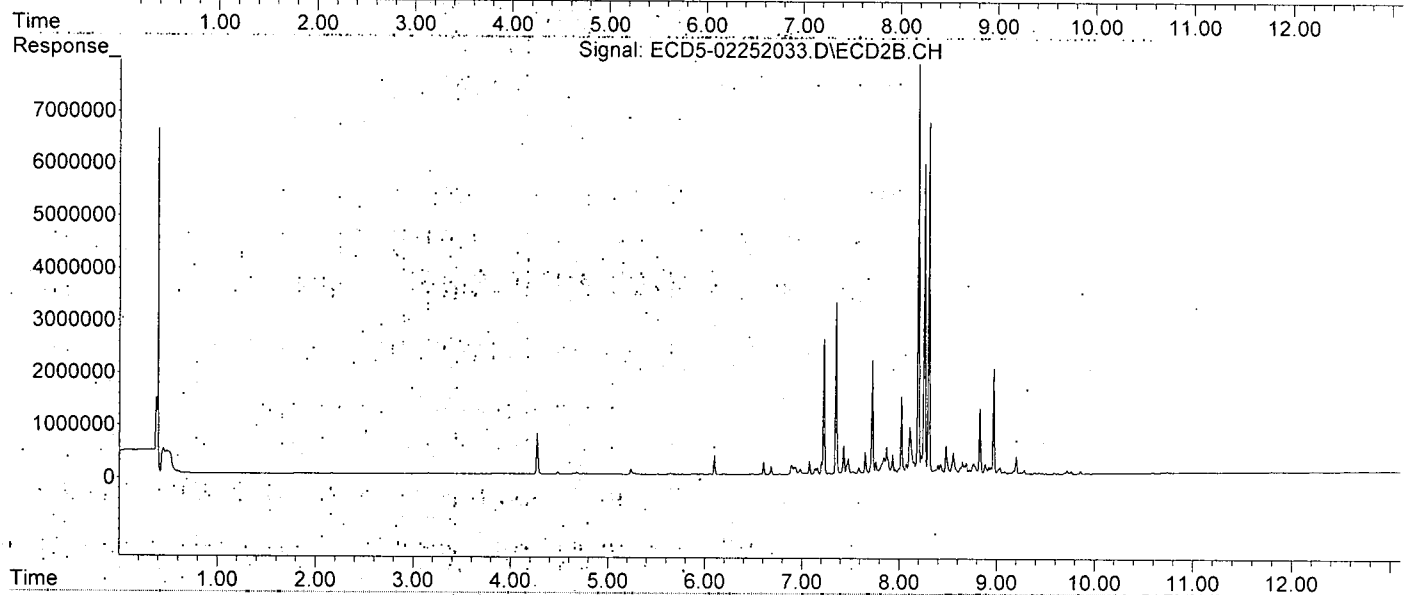
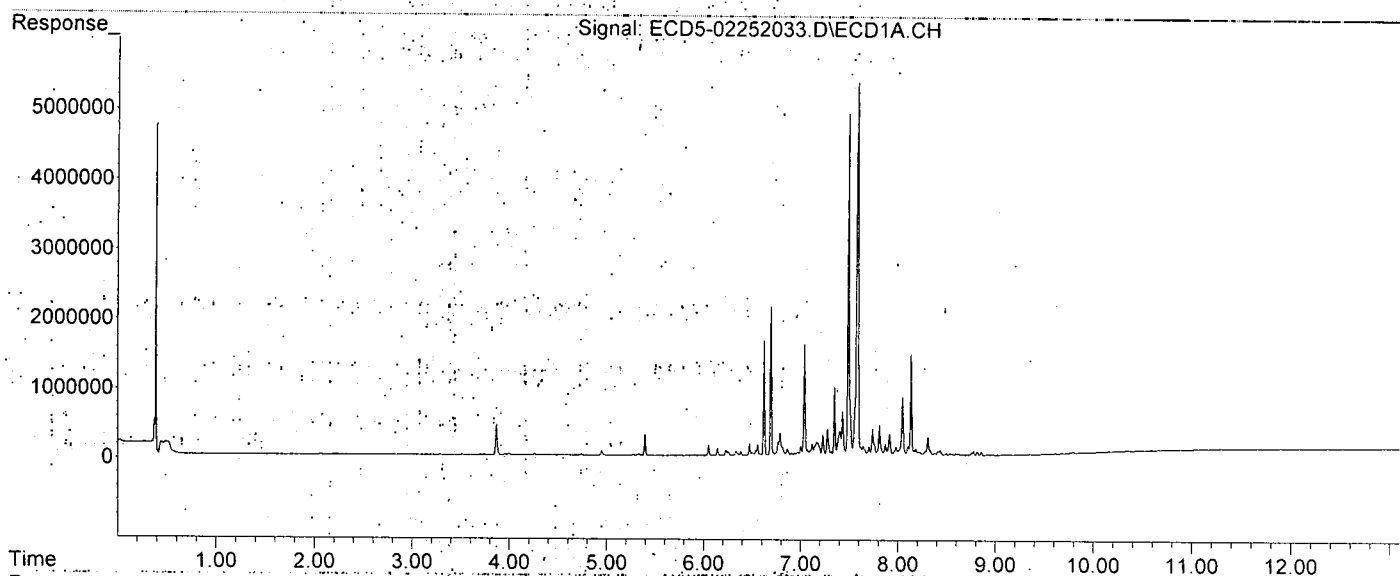
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int:

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 21:30
Operator : MJB
Sample : 0B25043-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 28 (Sig #1), 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:01:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:59:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:47
 Operator : MJB
 Sample : 0B25043-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:59:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 21:47
 Operator : MJB
 Sample : 0B25043-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 14:59:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:49:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.490	8.196	11720316	20498002	499.553	526.982
33) Chlordane...	7.584	8.304	13155669	16887593	456.465	526.127
34) Chlordane...	8.135	8.969	3598451	5110139	473.008	481.284
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

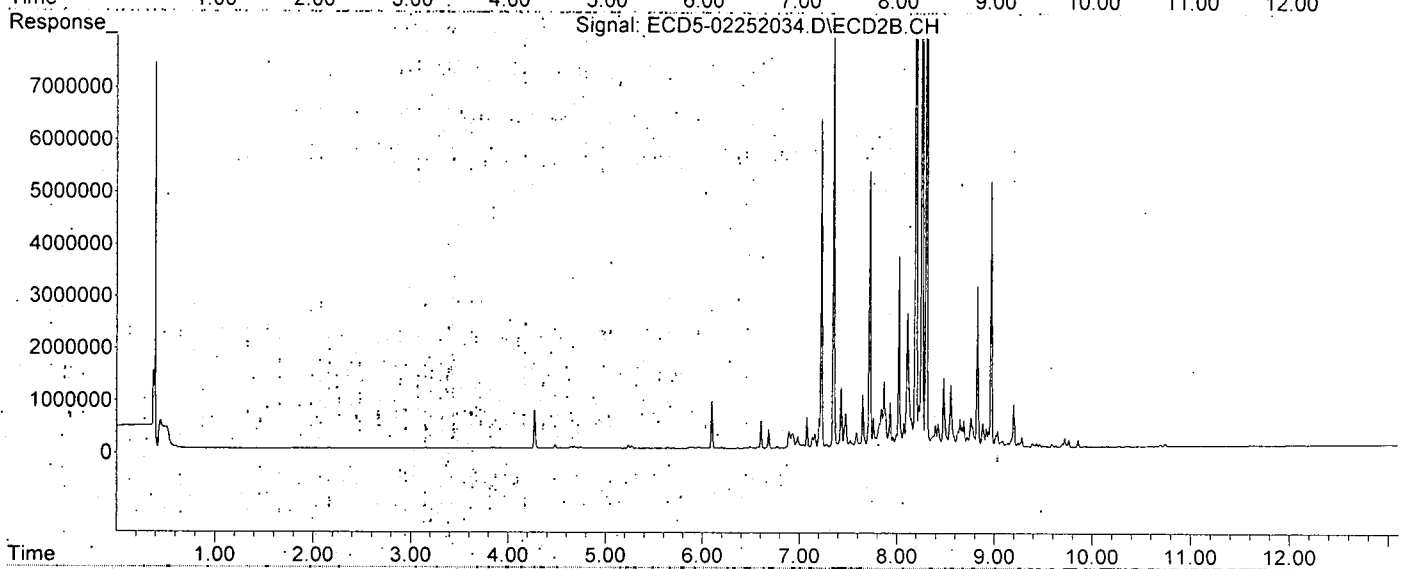
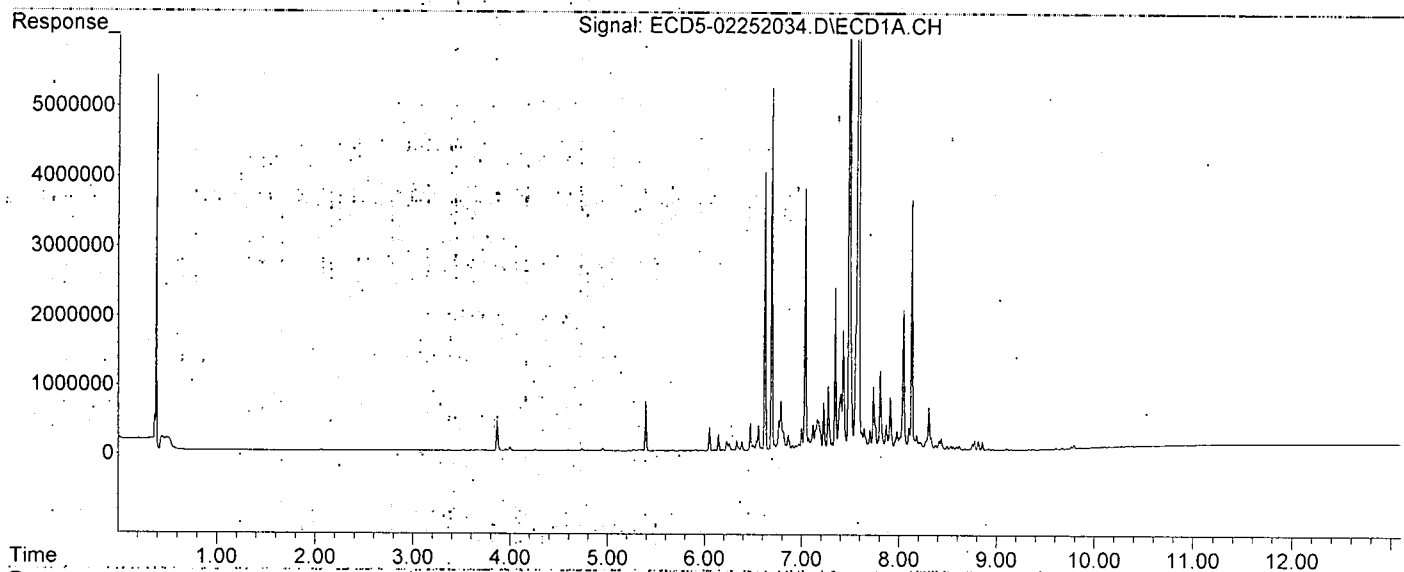
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25%. (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 21:47
Operator : MJB
Sample : 0B25043-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 14:59:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:49:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:04
 Operator : MJB
 Sample : 0B25043-CALO
 Misc : A19K311, CHLOR 1000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:02:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:04
 Operator : MJB
 Sample : 0B25043-CALO
 Misc : A19K311, CHLOR 1000 ppb
 ALS Vial : 30 (Sig #1), 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:02:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.490	8.197	24448288	43521903	1042.055	1118.903
33) Chlordane...	7.584	8.305	26395147	35629558	915.838	1110.027
34) Chlordane...	8.135	8.970	7358441	10775549	967.250	1014.864
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

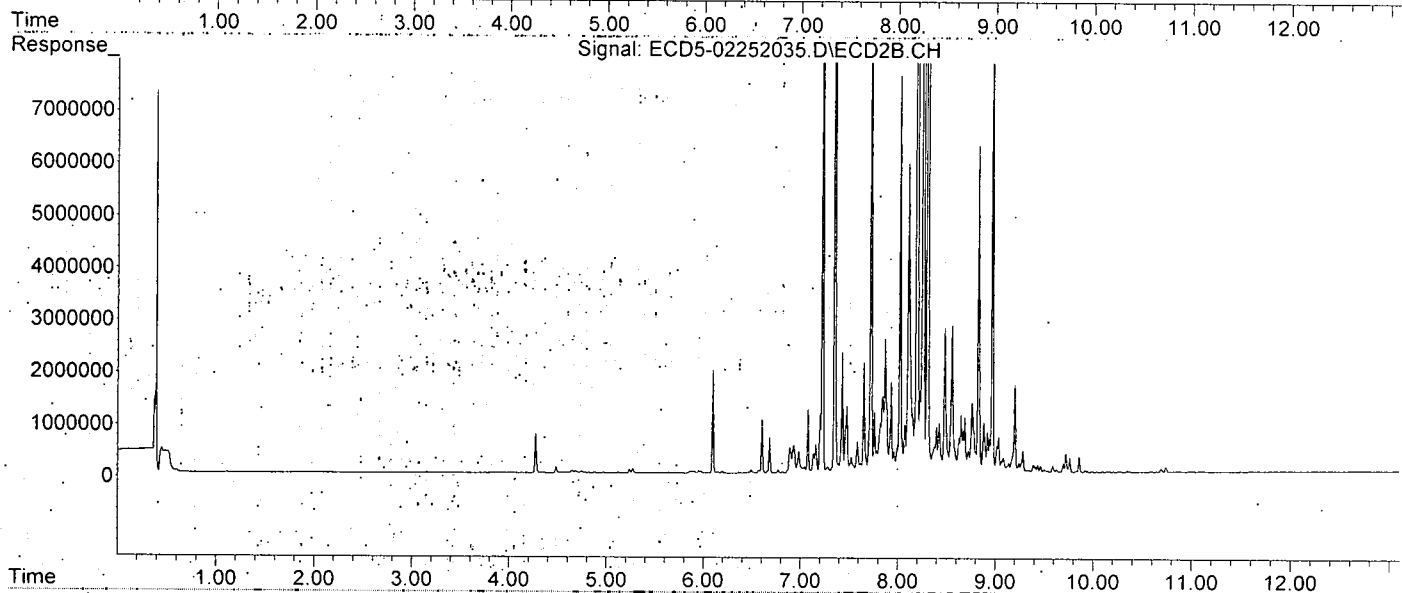
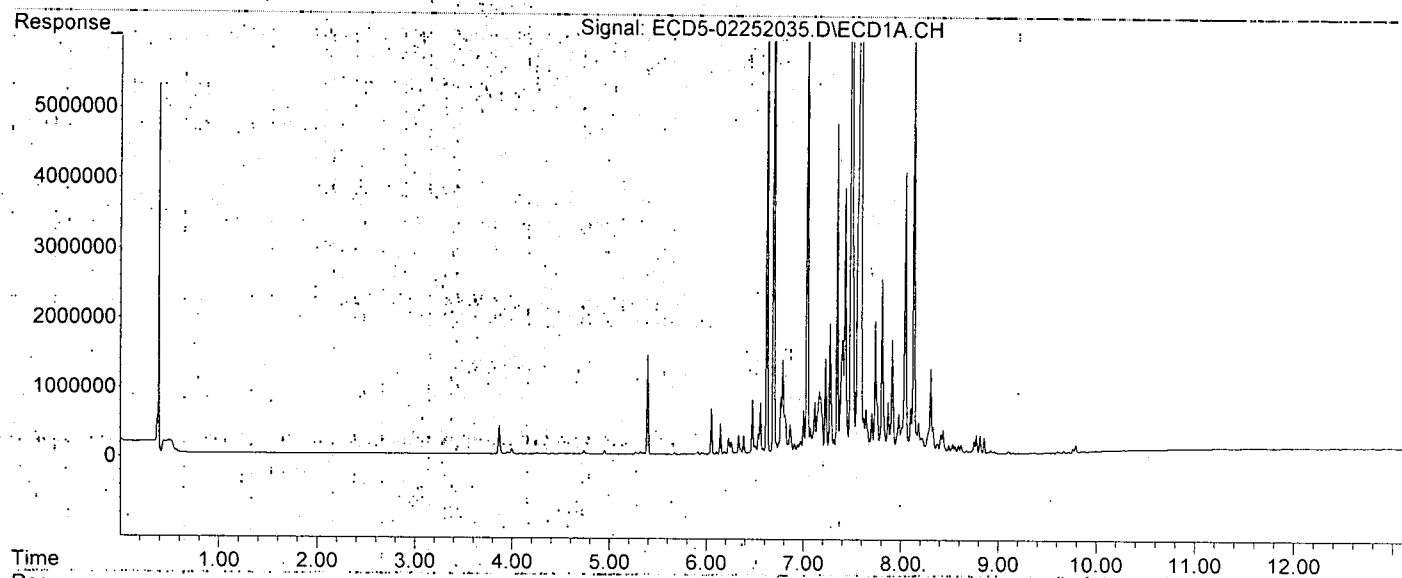
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 22:04
Operator : MJB
Sample : 0B25043-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:02:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:59:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:22
 Operator : MJB
 Sample : 0B25043-CALP
 Misc : A19K306, CHLOR 2000 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:03:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

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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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 22:22
 Operator : MJB
 Sample : 0B25043-CALP
 Misc : A19K306, CHLOR 2000 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:03:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.491	8.198	50643560	97852072	2158.571	2515.675
33) Chlordane...	7.584	8.306	56582614	79169029	1963.259	2466.484 #
34) Chlordane...	8.135	8.970	15479596	24178823	2034.757	2277.212
35) Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

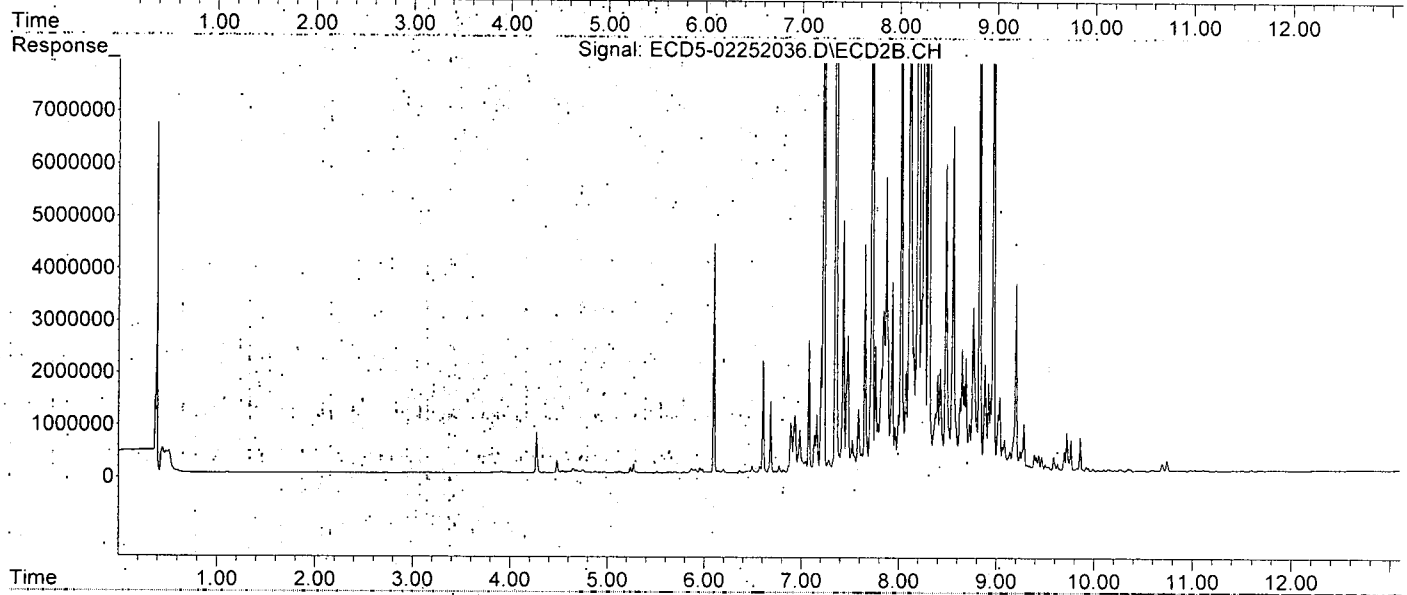
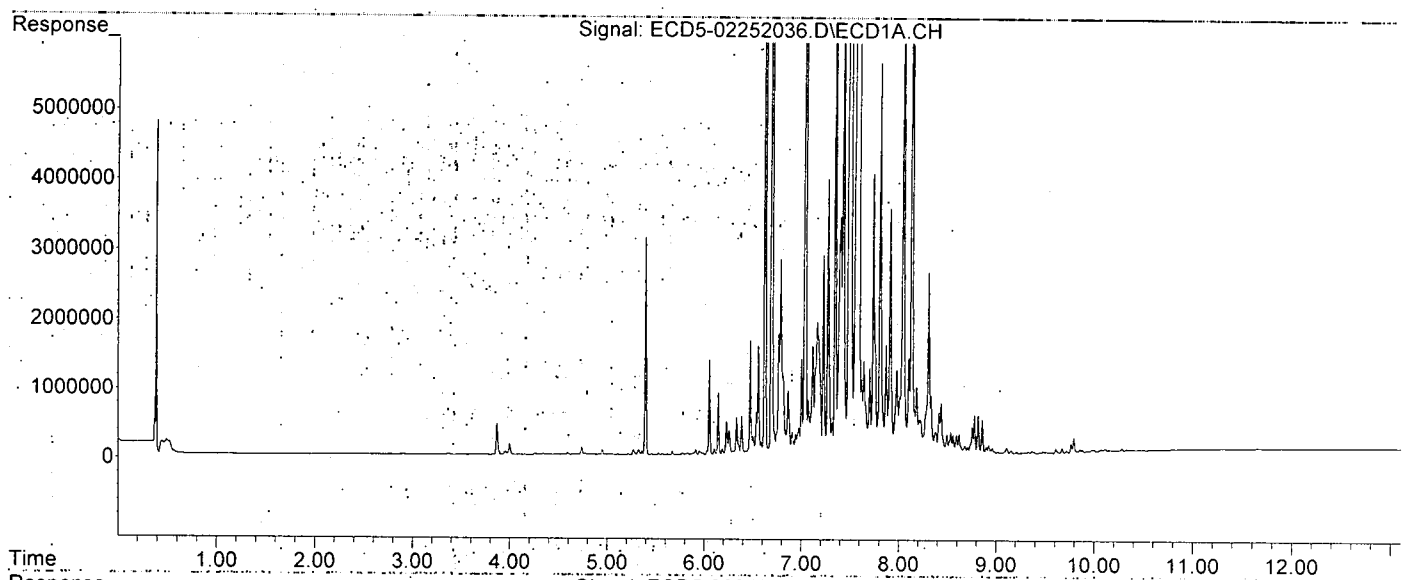
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 22:22
Operator : MJB
Sample : 0B25043-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:03:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:59:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:13
 Operator : MJB
 Sample : 0B25043-CALQ
 Misc : A20B334, TOX 10 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:05:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:13
 Operator : MJB
 Sample : 0B25043-CALQ
 Misc : A20B334, TOX 10 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:05:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.566	8.532	11341	29979	10.768	11.086
37) Toxaphene...	7.859	8.881	22995	35085	11.825	10.075
38) Toxaphene...	8.172	8.916	44681	66638	6.531	9.058 #
39) Toxaphene...	8.412	8.983	43252	103308	10.706	11.446
40) Toxaphene...	8.641	9.160	30451	54652	9.262	10.883
41) Toxaphene...	8.709	9.543	43890	55348	10.107	9.859
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

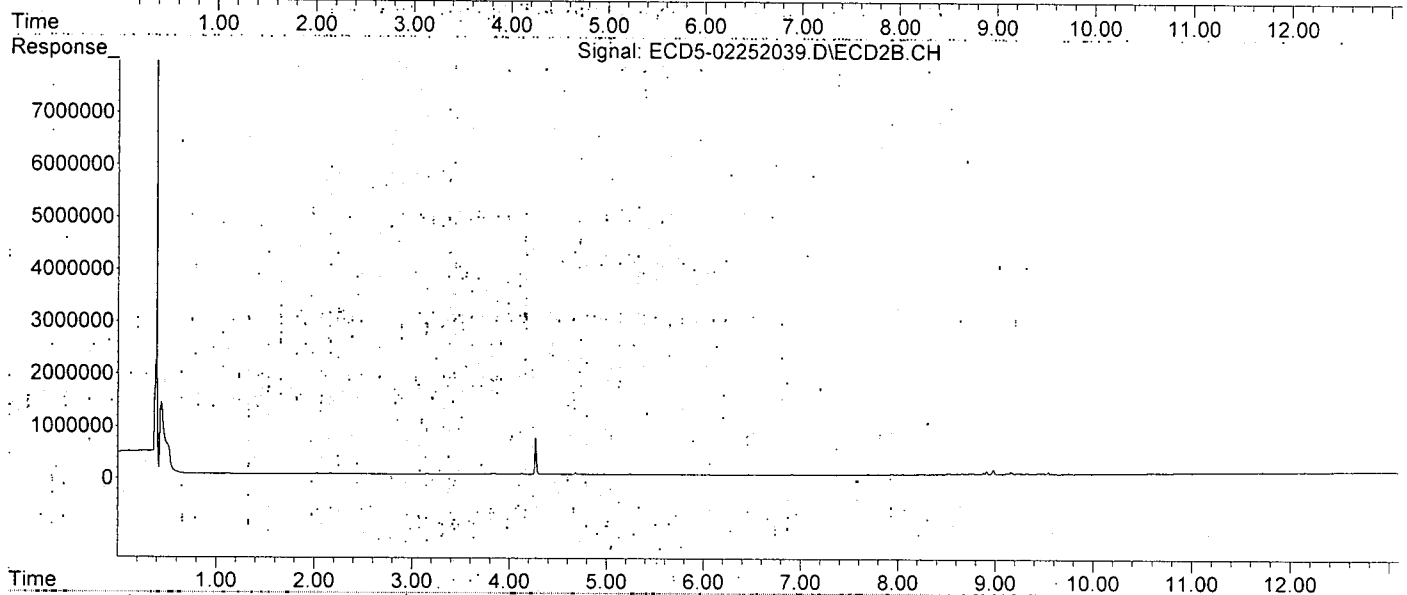
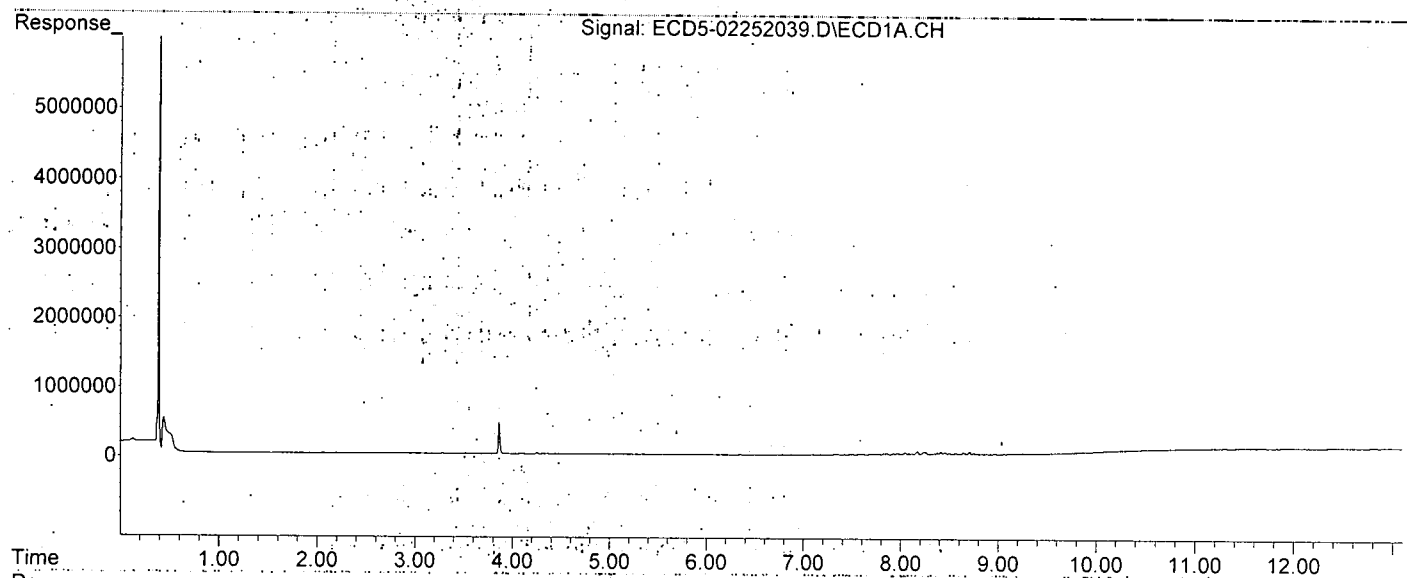
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 23:13
Operator : MJB
Sample : 0B25043-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:05:46 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:04:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:30
 Operator : MJB
 Sample : 0B25043-CALR
 Misc : A19J417, TOX 50 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:06:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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) Oxylchlorane	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:30
 Operator : MJB
 Sample : 0B25043-CALR
 Misc : A19J417, TOX 50 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:06:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.566	8.533	58140	151694	55.202	56.093
37) Toxaphene...	7.860	8.881	108818	175705	55.957	50.453
38) Toxaphene...	8.173	8.917	208175	286968	45.631	51.911
39) Toxaphene...	8.413	8.984	203857	459206	50.459	50.878
40) Toxaphene...	8.642	9.161	155631	253707	47.336	50.520
41) Toxaphene...	8.709	9.543	201655	265807	46.439	47.346
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

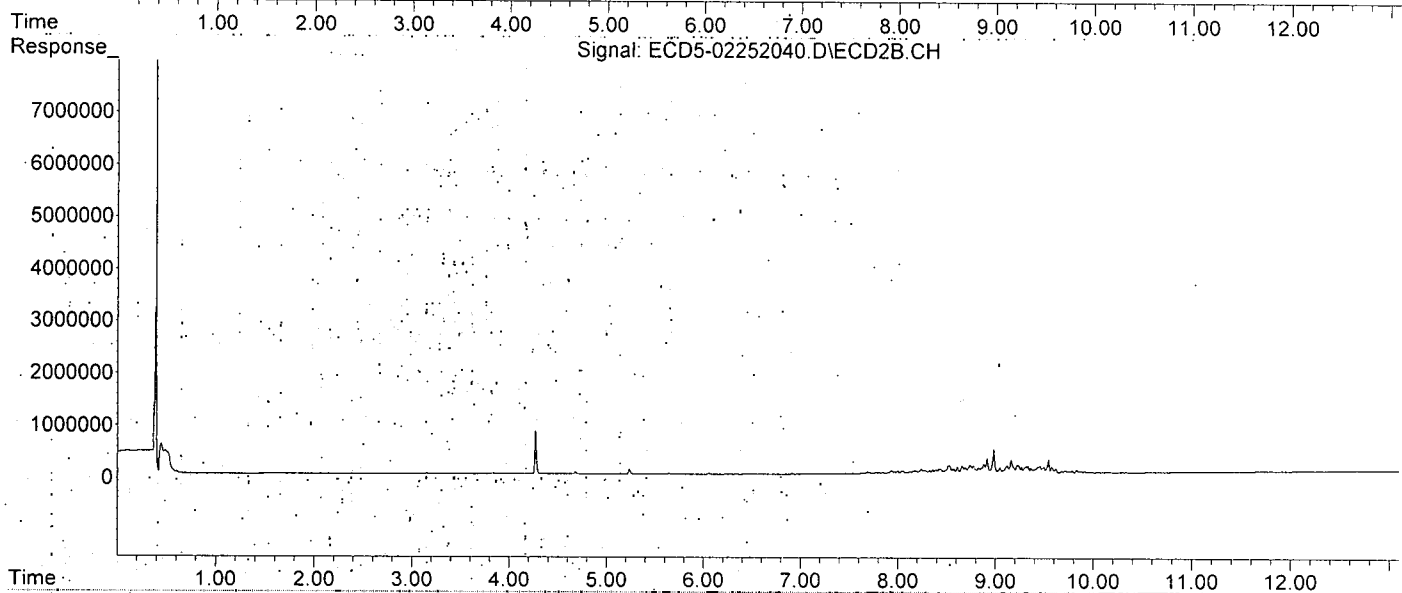
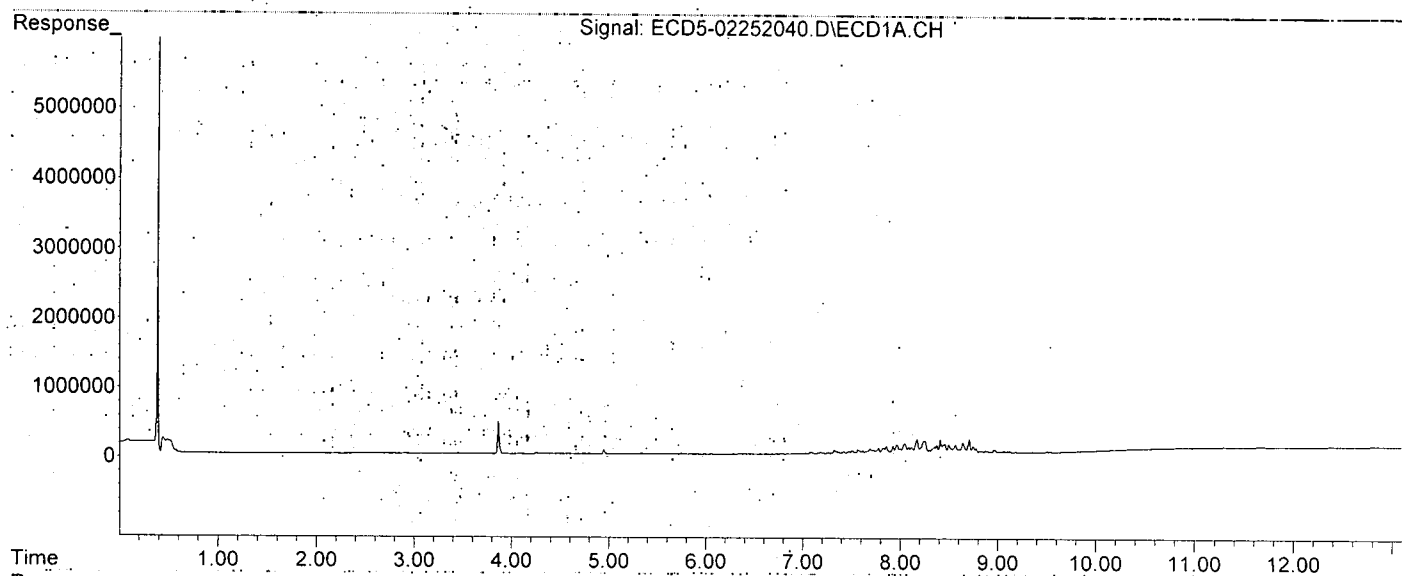
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 23:30
Operator : MJB
Sample : 0B25043-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:06:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:04:58.2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:47
 Operator : MJB
 Sample : 0B25043-CALS
 Misc : A19J418, TOX 100 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:06:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJP 2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 23:47
 Operator : MJB
 Sample : 0B25043-CALS
 Misc : A19J418, TOX 100 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:06:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation .6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.566	8.533	107933	279984	102.479	103.533
37) Toxaphene...	7.860	8.882	199066	334014	102.365	95.910
38) Toxaphene...	8.173	8.918	388473	541748	88.701	101.082
39) Toxaphene...	8.413	8.985	371980	863932	92.073	95.719
40) Toxaphene...	8.642	9.161	290355	480655	88.314	95.711
41) Toxaphene...	8.710	9.544	379633	500574	87.426	89.163
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

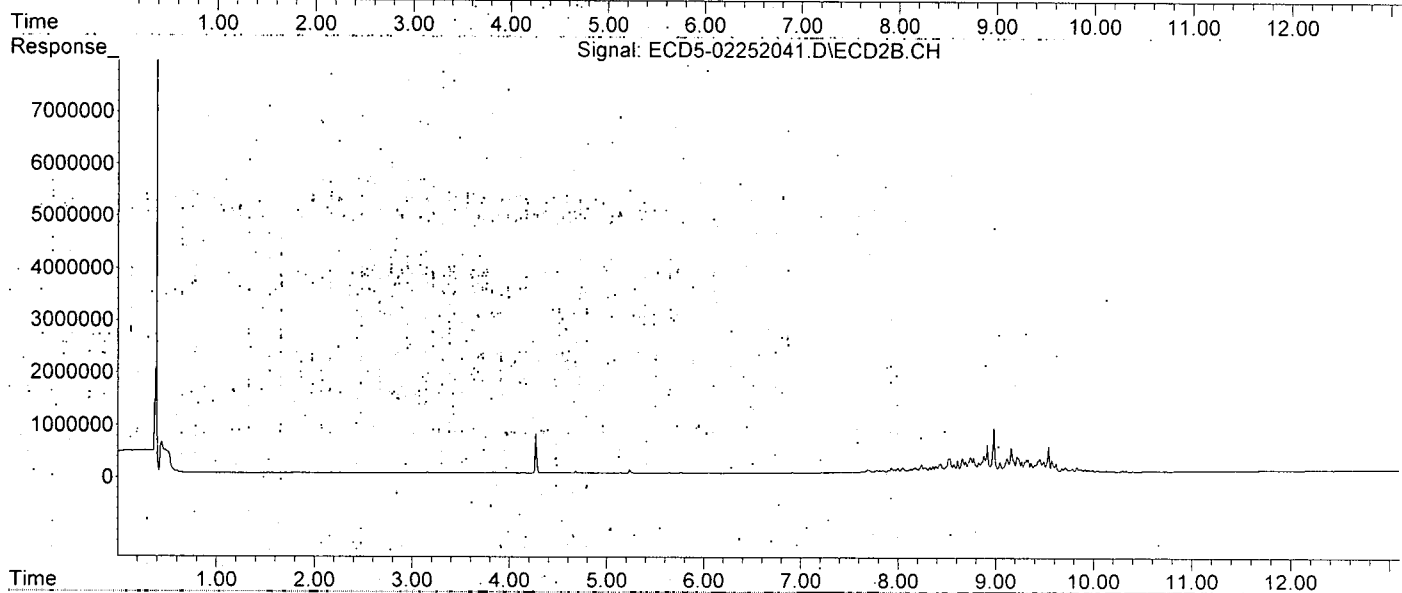
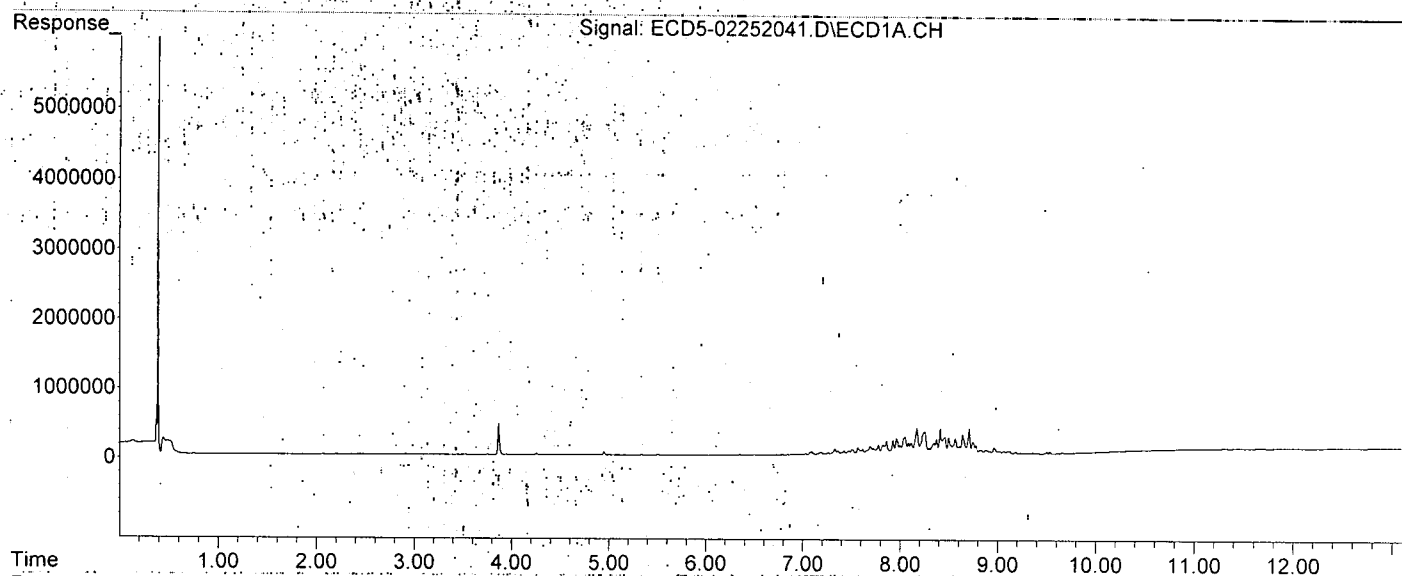
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 23:47
Operator : MJB
Sample : 0B25043-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:06:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:04:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rx-CLPesticides Signal #2 Phase: Rx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:04
 Operator : MJB
 Sample : 0B25043-CALT
 Misc : A19J419, TOX 200 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:07:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
2/26/20*

Volume Inj: : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:04
 Operator : MJB
 Sample : 0B25043-CALT
 Misc : A19J419, TOX 200 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:07:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.565	8.533	208805	553315	198.254	204.605
37) Toxaphene...	7.859	8.881	374128	673874	192.387	193.500
38) Toxaphene...	8.172	8.917	764681	1091039	178.414	205.744
39) Toxaphene...	8.412	8.985	751450	1727294	186.001	191.376
40) Toxaphene...	8.642	9.160	591464	974015	179.898	193.951
41) Toxaphene...	8.709	9.543	757030	1029268	174.336	183.334
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

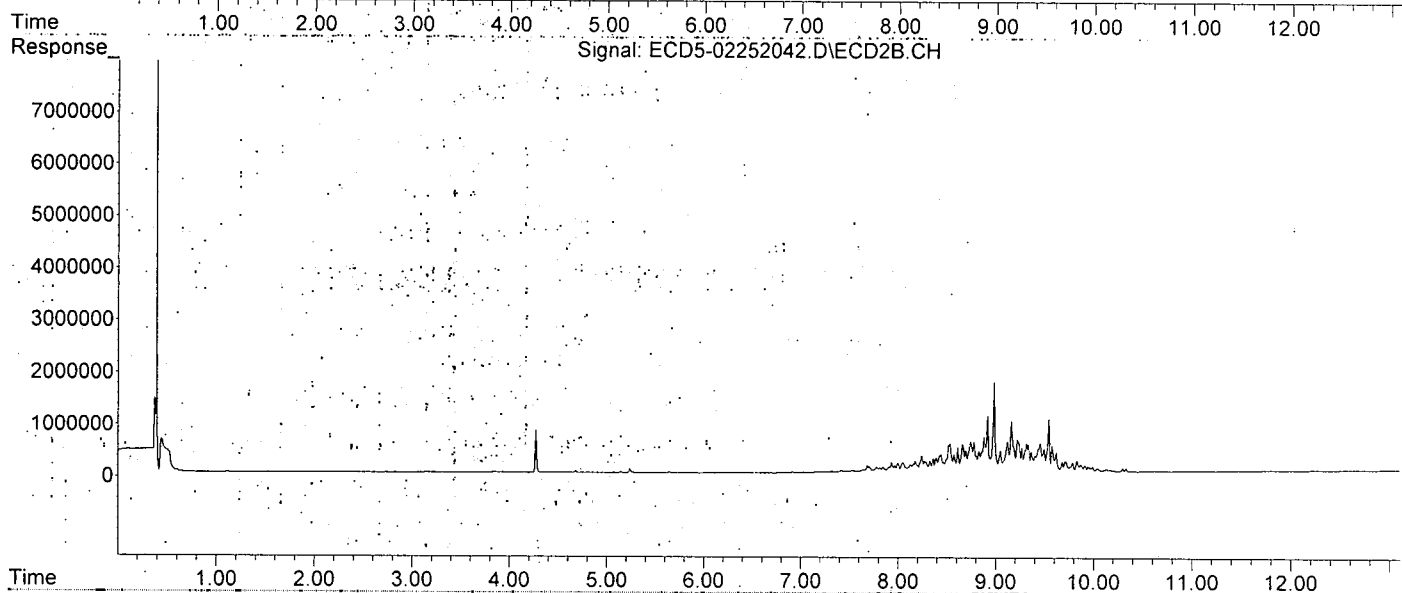
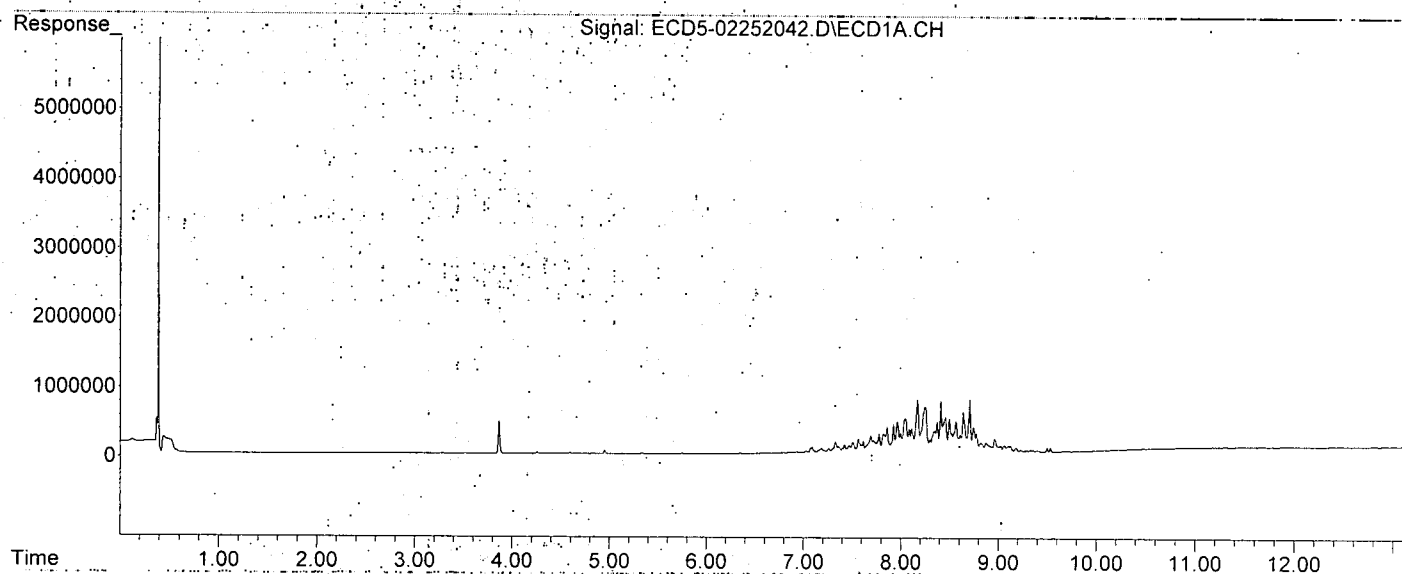
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252042.D
Signal(s) : Signal #1: ECD1A.CH, Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:04
Operator : MJB
Sample : 0B25043-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:07:25 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:04:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:21
 Operator : MJB
 Sample : 0B25043-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:04:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped.

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:21
 Operator : MJB
 Sample : 0B25043-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:04:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 14:59:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.565	8.533	502529	1333338	477.135	493.042
37) Toxaphene...	7.860	8.882	902886	1691199	464.289	485.620
38) Toxaphene...	8.172	8.918	1906098	2719332	449.304	505.953
39) Toxaphene...	8.413	8.986	1894280	4378899	468.877	485.160
40) Toxaphene...	8.642	9.162	1451072	2425185	441.353	482.917
41) Toxaphene...	8.709	9.544	1873668	2567429	431.486	457.313
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

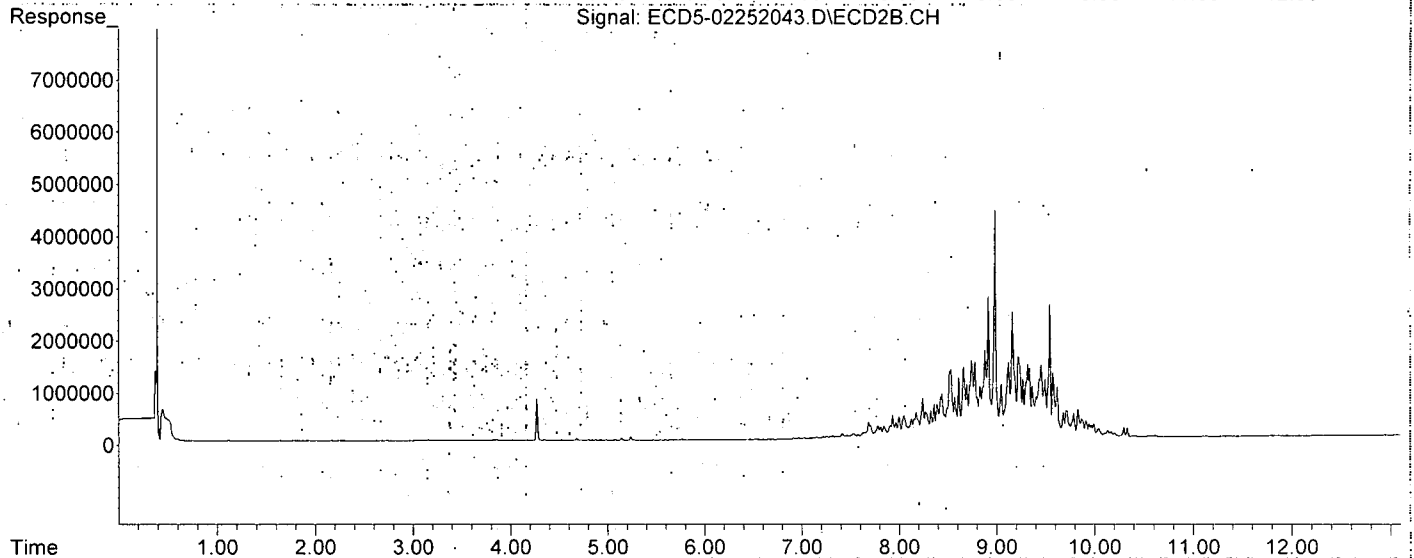
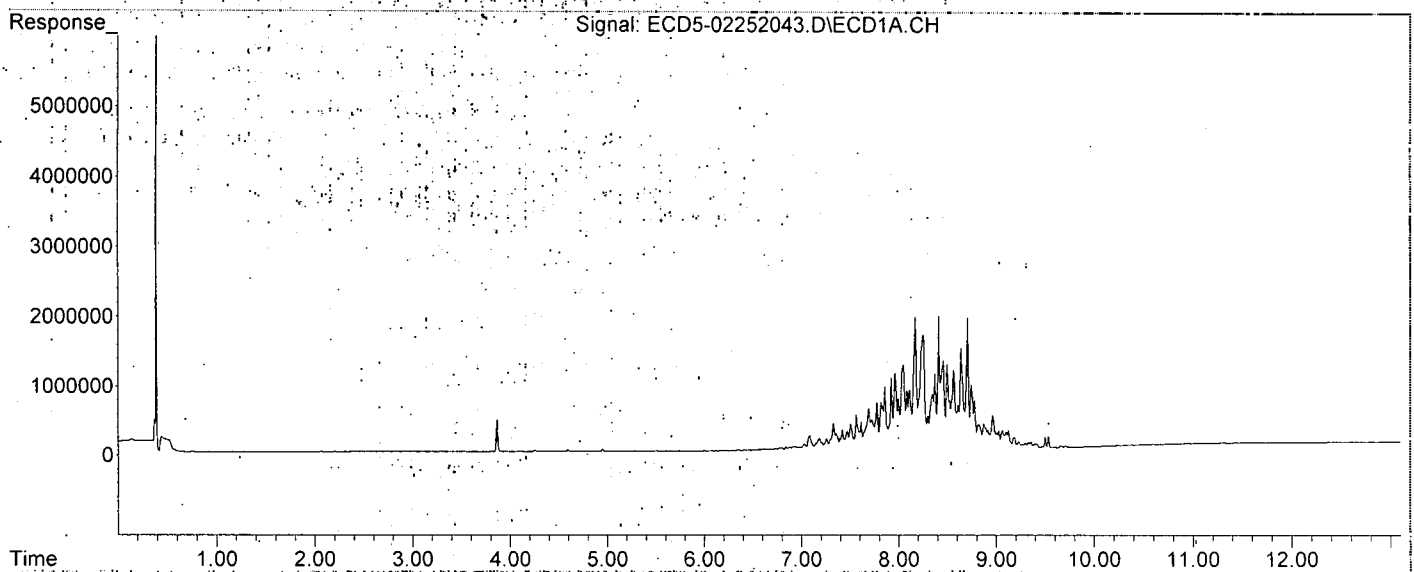
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:21
Operator : MJB
Sample : 0B25043-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:04:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 14:59:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:38
 Operator : MJB
 Sample : 0B25043-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:08:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
2/26/20

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:38
 Operator : MJB
 Sample : 0B25043-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:08:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.565	8.534	1016048	2769168	964.705	1023.984
37) Toxaphene...	7.859	8.881	1836951	3540659	944.611	1016.684
38) Toxaphene...	8.172	8.917	3990757	5679715	939.124	1018.441
39) Toxaphene...	8.412	8.985	3823934	9443957	946.510	1046.344
40) Toxaphene...	8.641	9.161	3053151	5137081	928.637	1022.925
41) Toxaphene...	8.709	9.544	3931248	5434405	905.326	967.981
42) Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

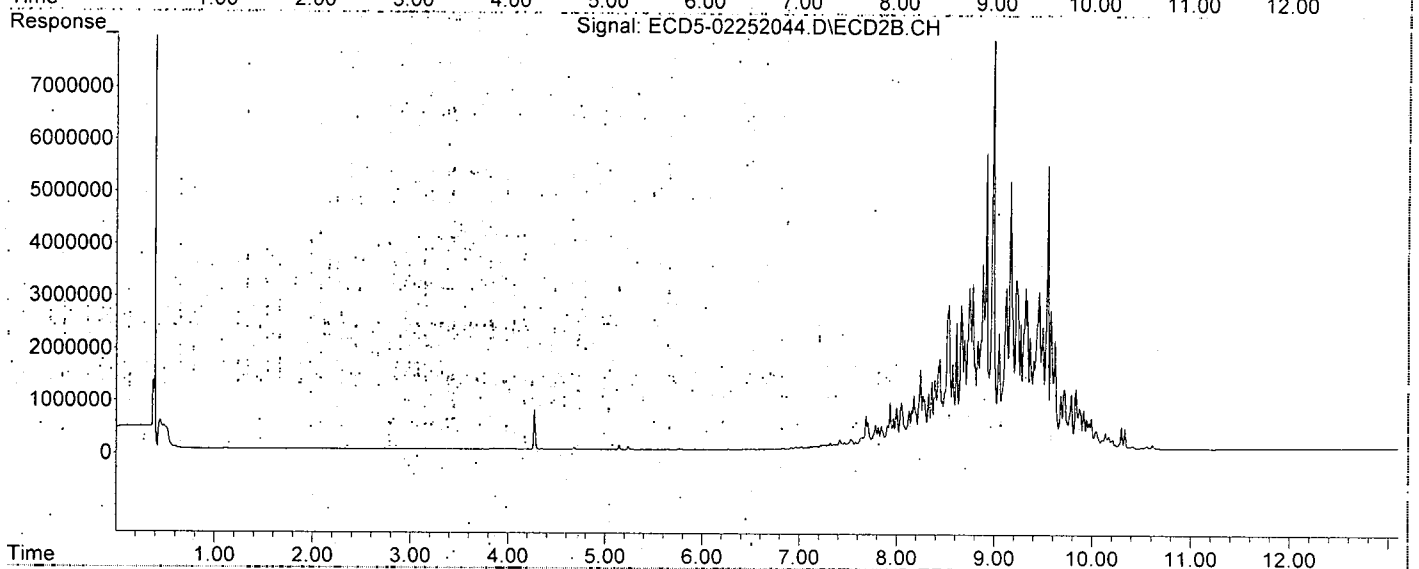
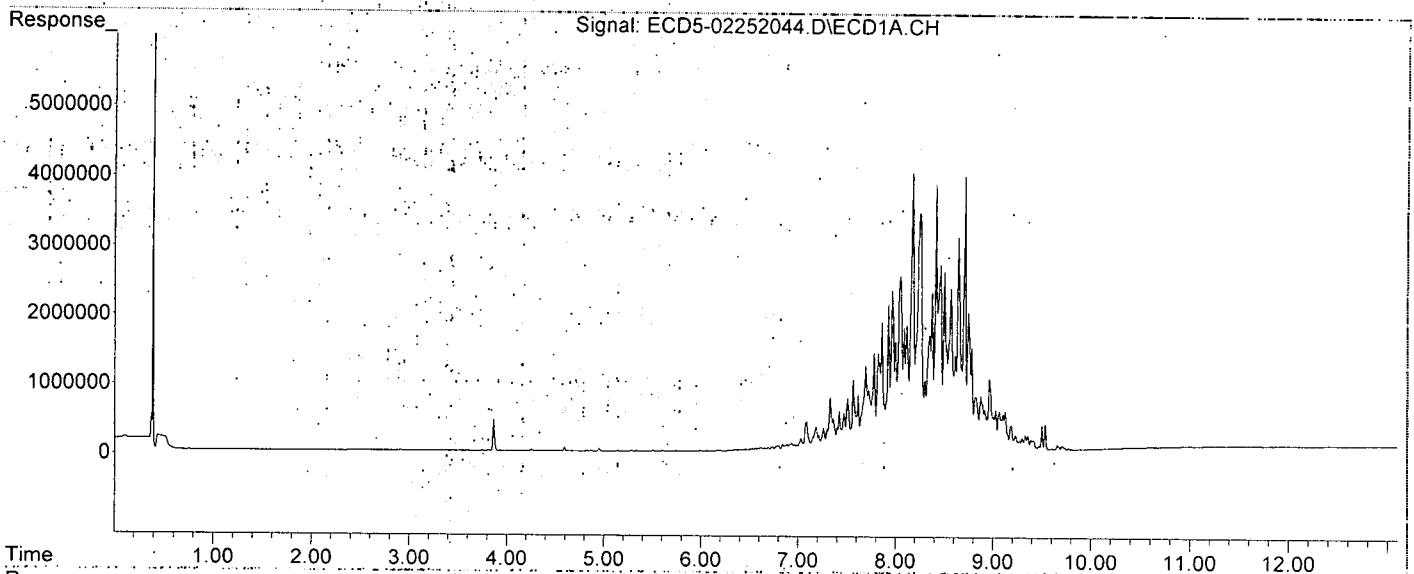
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:38
Operator : MJB
Sample : 0B25043-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:08:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:04:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:55
 Operator : MJB
 Sample : 0B25043-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:08:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MB
2/26/20*

Volume Inj. : 2uL
 Signal #1 Phase: Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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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) Oxylchlorane	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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
 Data File : ECD5-02252045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 0:55
 Operator : MJB
 Sample : 0B25043-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Feb 26 15:08:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Feb 26 15:04:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.564	8.534	1963084	5517985	1863.884	2040.443
37)	Toxaphene...	7.859	8.881	3614562	7258199	1858.708	2084.157
38)	Toxaphene...	8.172	8.918	7981234	11594452	1859.746	1942.644
39)	Toxaphene...	8.412	8.986	7717268	19485393	1910.198	2158.885
40)	Toxaphene...	8.642	9.162	6286579	10603539	1912.106	2111.437
41)	Toxaphene...	8.709	9.544	7847735	11635220	1807.252	2072.475
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

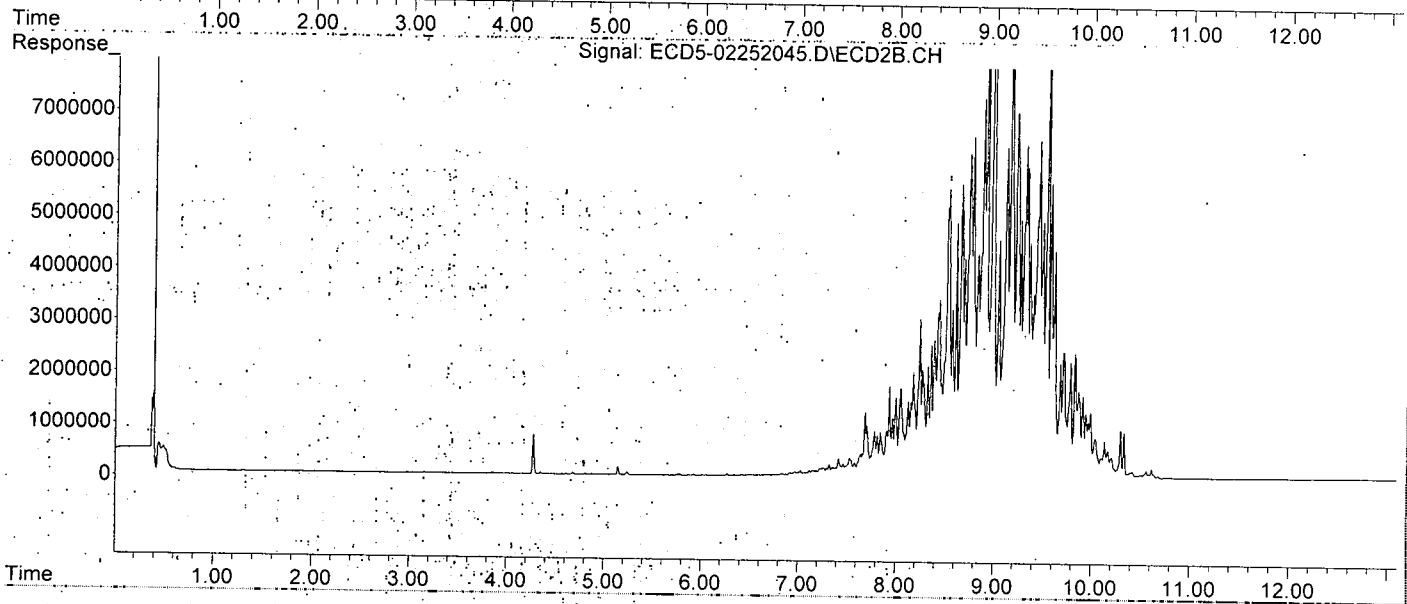
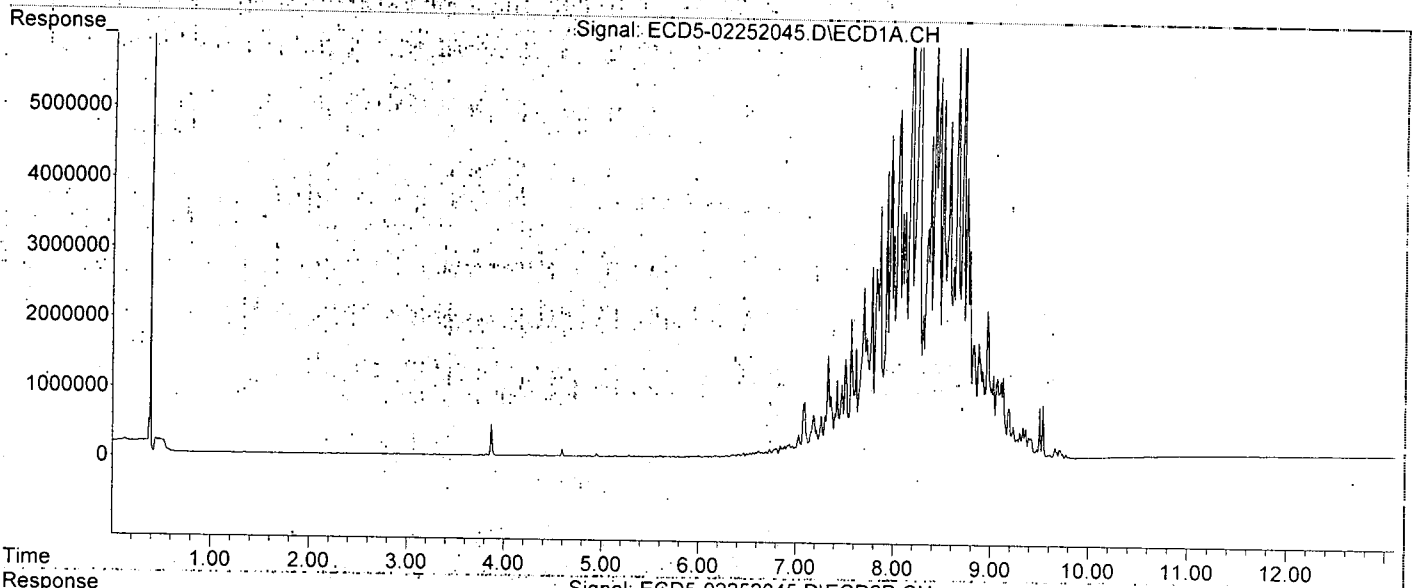
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-02\0B25043\
Data File : ECD5-02252045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 0:55
Operator : MJB
Sample : 0B25043-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 26 15:08:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200225.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:04:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



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

Batch 0020795
Sequence 0B26029 (A0B0681-01,05)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0020795 (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
	0020795-BLK1	QC	02/26/20 10:13	11	5				100				
	0020795-BS1	QC	02/26/20 10:13	10	5	A20B016		100	100				
	A0B0681-01	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.6	5				100	PDI-022SC-A-03-04-191016			
	0020795-DUP1	QC	02/26/20 10:13	10.37	5		A0B0681-01		100				
	A0B0681-02	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.51	5				100	PDI-022SC-A-04-05-191016			
	A0B0681-03	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.91	5				100	PDI-022SC-A-05-06-191016			
	A0B0681-04	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.22	5				100	PDI-022SC-A-06-07-191016			
	A0B0681-05	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.44	5				100	PDI-059SC-A-11-12-191016			
	0020795-MS1	QC	02/26/20 10:13	10.34	5	A20B016	A0B0681-05	100	100				
	0020795-MSD1	QC	02/26/20 10:13	10.48	5	A20B016	A0B0681-05	100	100				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20B016	08/01/20	LVI PAH Spike @2000ng/ml	A19L265	06/07/20	8270D LL PAH Only Surr. (5ppm)
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A20A282	07/19/21	Sodium Sulfate Lot # 194865						

Method 3546 digestion time and temperture achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date: _____

Jan *2/28/20*
Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET
 BATCH #: 0020795 (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	
1	0020795-BLK1	QC	02/26/20 10:13	10.11	5 ✓				100						
2	0020795-BS1	QC	02/26/20 10:13	10	5 ✓	A20B016		100	100						
3	A0B0681-01	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.60	5 ✓				100	PDI-022SC-A-03-04-191016	sand				
4	0020795-DUP1	QC	02/26/20 10:13	10.32	5 ✓		A0B0681-01		100		sand				
5	A0B0681-02	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.51	5 ✓				100	PDI-022SC-A-04-05-191016	sand				
6	A0B0681-03	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.91	5 ✓				100	PDI-022SC-A-05-06-191016	sand				
7	A0B0681-04	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.22	5 ✓				100	PDI-022SC-A-06-07-191016	sand				
8	A0B0681-05	A 8270D LL PAH Only (Scan)	02/26/20 10:13	10.44	5 ✓				100	PDI-059SC-A-11-12-191016	sand, odor #				
9	0020795-MS1	QC	02/26/20 10:13	10.44	5 ✓	A20B016	A0B0681-05	100	100		sand, odor #				
10	0020795-MSD1	QC	02/26/20 10:13	10.49	5 ✓	A20B016	A0B0681-05	100	100		sand color #				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20B016	08/01/20	LVI PAH Spike @2000ng/ml	A19L265	06/07/20	8270D LL PAH Only Surr. (5ppm)
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A20A282	07/19/21	Sodium Sulfate Lot # 194865						

Method 3546 digestion time and temperature achieved.

Initial: CAH

Witness: JAG 2/26/2020

= heavy staining

Prepared By: CAH Date: 02/26/20

Reviewed By: CAS Date: 02/26/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0B26029**

Instrument: **SV-GCMS14**

Date: **02/26/20 08:06**

Calibration: **A911001**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0B26029-TUN1	Sediment	QC	QC			A19K048	A20B266
2	0B26029-CCV1	Sediment	QC	QC			A19K048	A19K012
3	0B26029-CCB1	Sediment	QC	QC			A19K048	
4	0020782-BLK1	Sediment	QC	QC			A19K048	
5	0020782-BS1	Sediment	QC	QC		0020782	A19K048	
6	A0B0679-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
7	0020782-DUP1	Sediment	QC	QC		0020782	A19K048	
8	A0B0680-05	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
9	0020782-MS1	Sediment	QC	QC		0020782	A19K048	
10	0020782-MSD1	Sediment	QC	QC		0020782	A19K048	
11	A0B0679-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
12	0020795-BLK1	Sediment	QC	QC		0020795	A19K048	
13	0020795-BS1	Sediment	QC	QC		0020795	A19K048	
14	A0B0681-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020795	A19K048	
15	0020795-DUP1	Sediment	QC	QC		0020795	A19K048	
16	A0B0679-05	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
17	A0B0679-06	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
18	A0B0679-07	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
19	A0B0679-08	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
20	A0B0681-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020795	A19K048	
21	A0B0681-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020795	A19K048	
22	A0B0681-05	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020795	A19K048	
23	0020795-MS1	Sediment	QC	QC		0020795	A19K048	
24	0020795-MSD1	Sediment	QC	QC		0020795	A19K048	
25	0B26029-IBL1	Sediment	QC	QC			A19K048	

Data Entered By:

AMS 2/27/20

Comments:

Data Reviewed By:

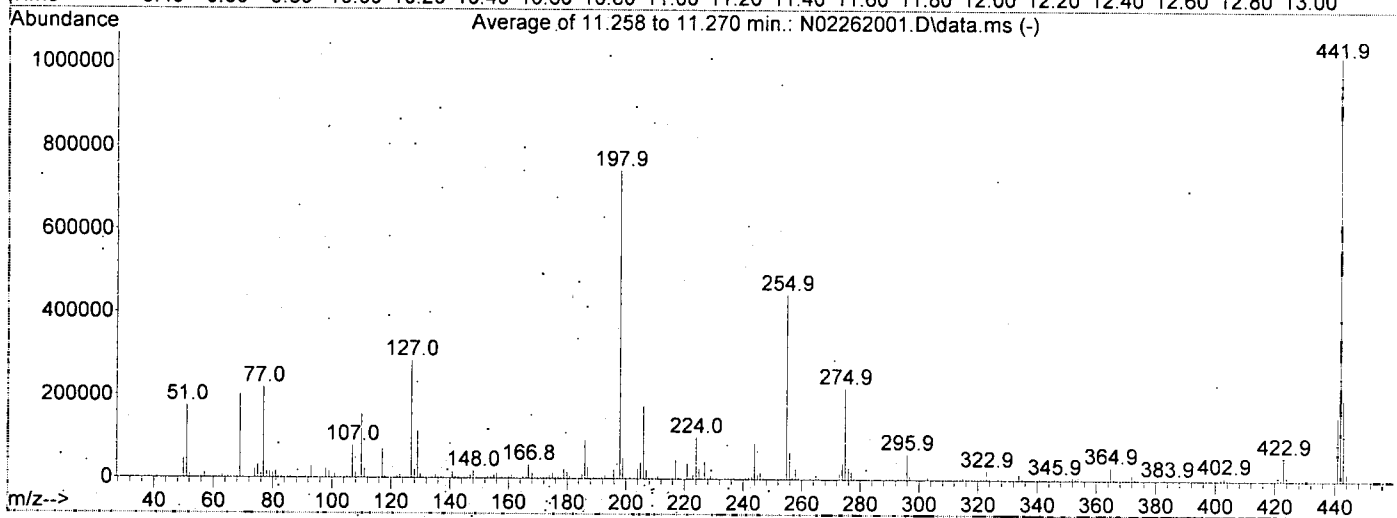
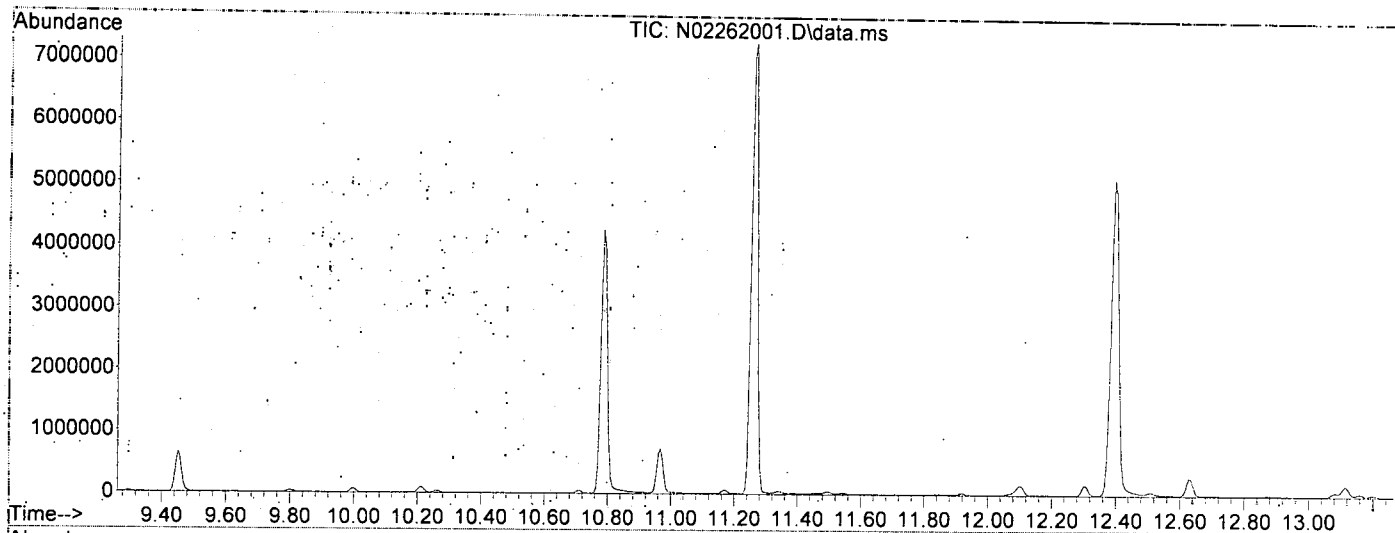
AK 2/27/20

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262001.D
 Acq On : 26 Feb 2020 09:47 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1

AMS
2/26/20

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Tue Feb 04 07:34:06 2020



AutoFind: Scans 1195, 1196, 1197; Background Corrected with Scan 1189

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3154	PASS
69	69	100	100	100.0	200937	PASS
70	69	0.00	2	0.5	1004	PASS
197	198	0.00	2	0.5	3763	PASS
198	198	100	100	100.0	742339	PASS
199	198	5	9	6.7	49645	PASS
365	198	1	100	4.2	31312	PASS
441	443	0.01	150	78.2	153664	PASS
442	198	0.10	200	137.2	1018432	PASS
443	442	15	24	19.3	196437	PASS

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262001.D
 Acq On : 26 Feb 2020 09:47 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 26 15:07:36 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.490	150	143865	2.00	ug/mL	0.00
2) Naphthalene-d8	7.691	136	389938	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.451	162	202942	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.967	188	389230	2.00	ug/mL	0.00
11) Chrysene-d12	14.569	240	316064	2.00	ug/mL	0.00
12) Perylene-d12	16.667	264	296936	2.00	ug/mL	-0.01
13) Dibenz(a,h)anthracene-...	17.850	292	259976	2.00	ug/mL	#-0.01
Target Compounds						
4) Pentachlorophenol	10.786	266	816432	42.60	ug/mL	Qvalue 85
6) DFTPP	11.264	442	1530317	48.70	ug/mL	75
7) Benzidine	12.395	184	3714634	26.83	ug/mL	98
8) 4,4-DDE	12.628	TIC	416011	No Calib		
9) 4,4-DDD	13.111	TIC	255404	No Calib		
10) 4,4-DDT	13.636	TIC	12667767	31.74	ug/mL	95

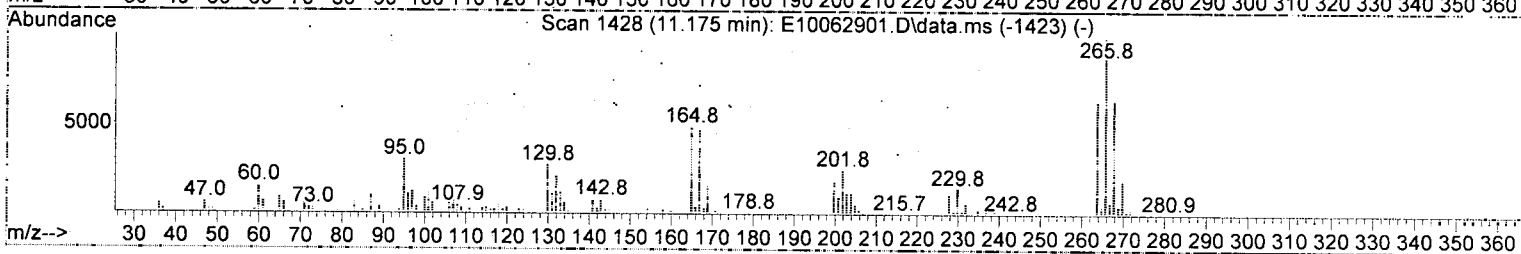
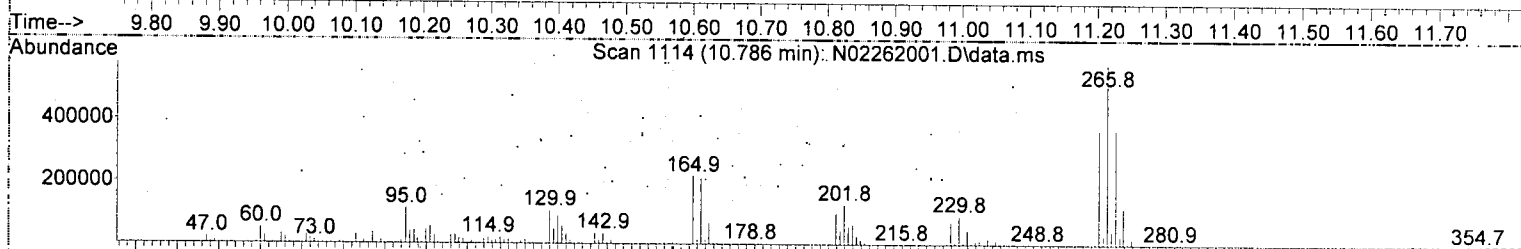
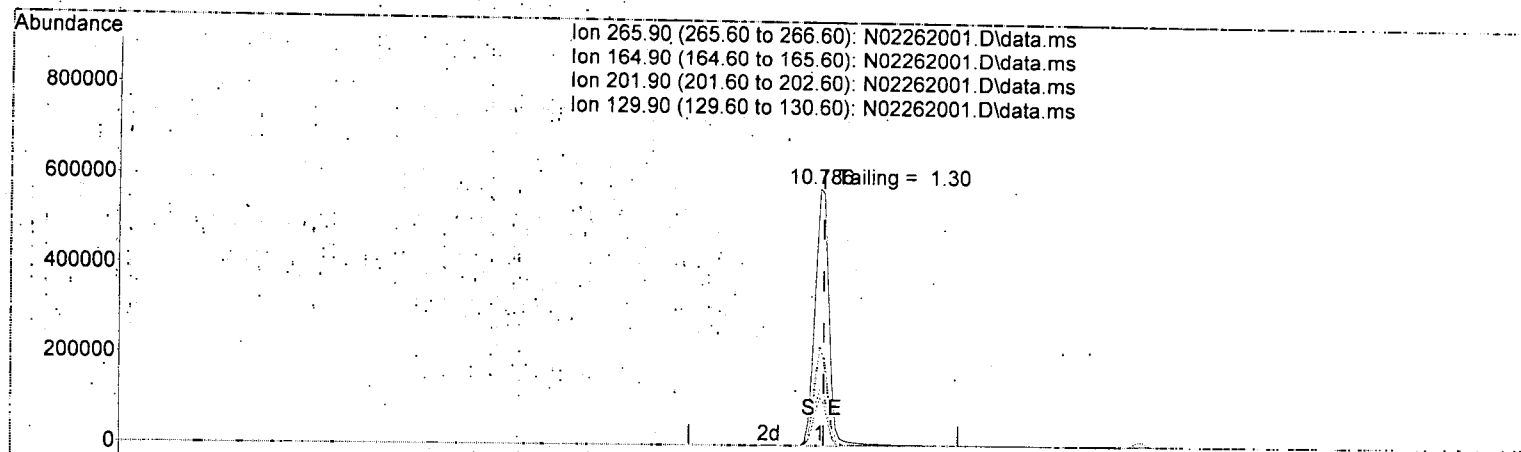
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262001.D
 Acq On : 26 Feb 2020 09:47 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 26 15:07:36 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262001.D\data.ms

(4) Pentachlorophenol

10.786min (-0.006) 42.60 ug/mL

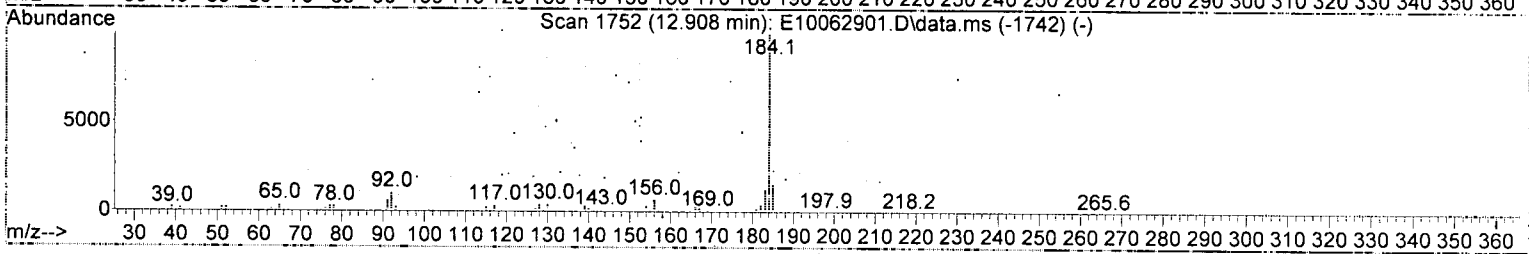
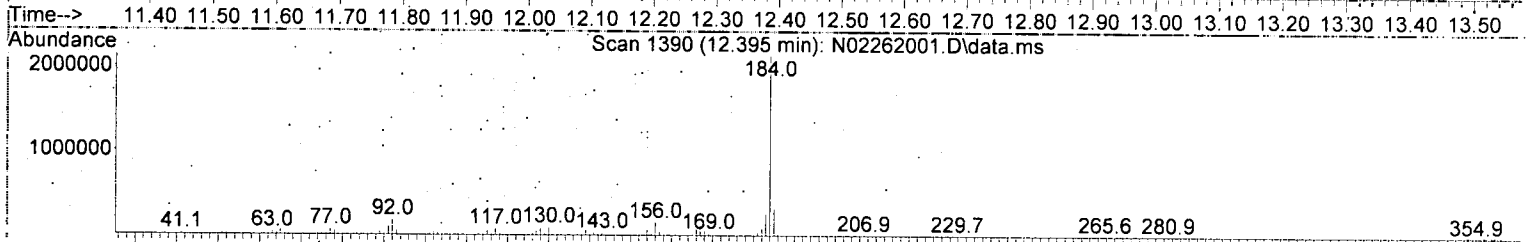
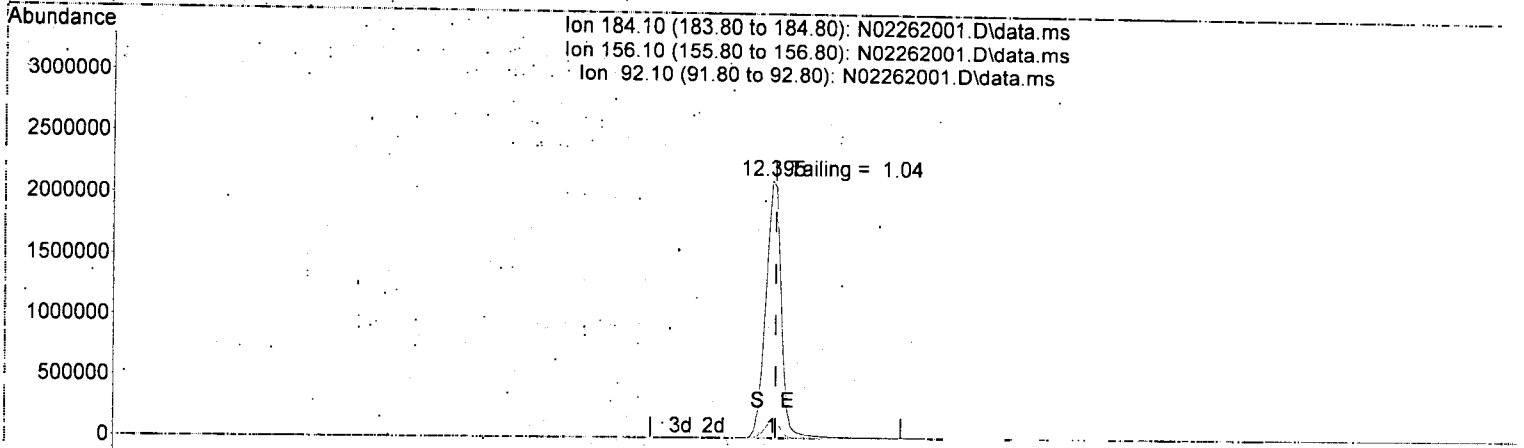
response 816432

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	37.73
201.90	25.80	22.03
129.90	27.30	18.48

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262001.D
 Acq On : 26 Feb 2020 09:47 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 26 15:07:36 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262001.D\data.ms

(7) Benzidine

12.395min (-0.006) 26.83 ug/mL

response 3714634

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.05
92.10	8.20	8.14
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:

0B26029-TUN1

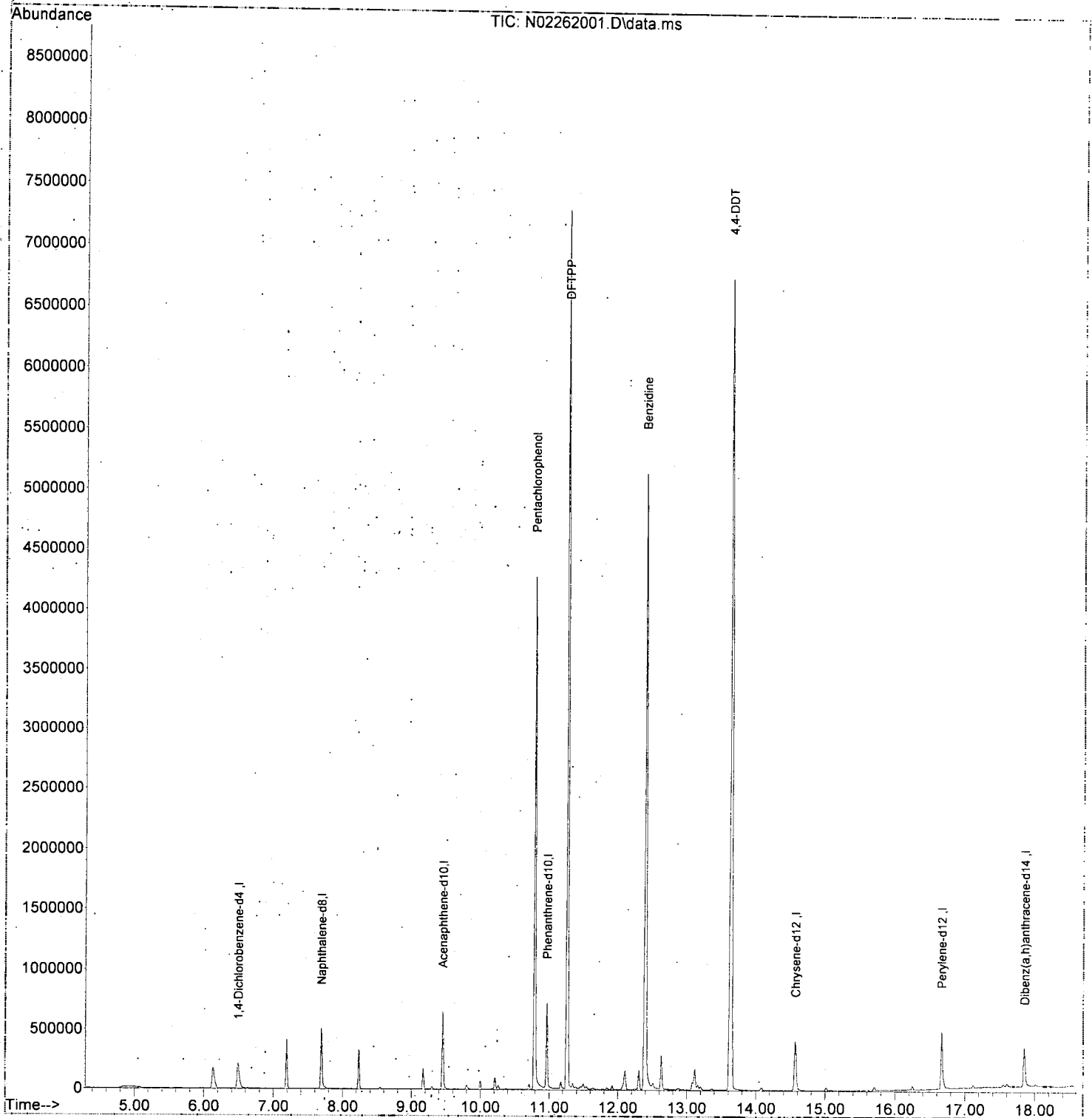
SV-GCMS

First Column Area Counts	Percent Breakdown
DDE 416011	
DDD 255404	
DDT 12667767	5.03 PASS

Breakdown must be less than 20% to accept sample data.

Data Path : U:\data\2020-02\0B26029\
Data File : N02262001.D
Acq On : 26 Feb 2020 09:47 am
Operator : JK/ AMS/ DTH
Sample : 0B26029-TUN1
Misc : 1x, A20B266 DFTPP
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Feb 26 15:07:36 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Tue Feb 04 07:34:06 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262002.D
 Acq On : 26 Feb 2020 10:15 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:08:55 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
 2/26/20

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	129	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	44.004	12.0	117	0.00
3 T	Decalin	50.000	19.205	61.6#	49	0.00
4 T	Naphthalene	50.000	48.339	3.3	127	0.00
5 T	2-Methylnaphthalene	50.000	41.955	16.1	108	0.00
6 T	1-Methylnaphthalene	50.000	40.762	18.5	102	0.00
7 T	1,1'-Biphenyl	50.000	40.107	19.8	104	0.00
8 T	2,6-Dimethylnaphthalene	50.000	39.394	21.2#	99	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	101	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	51.522	-3.0	105	0.00
11 S	Acenaphthylene d-8 (Surr)	50.000	0.790	98.4#	5	0.00
12 T	Acenaphthylene	50.000	47.237	5.5	96	0.00
13 T	Acenaphthene	50.000	47.875	4.3	99	0.00
14 T	Dibenzofuran	50.000	50.108	-0.2	102	0.00
15 T	1,6,7-Trimethylnaphthalene	50.000	47.662	4.7	99	0.00
16 T	Fluorene	50.000	48.588	2.8	99	0.00
17 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	102	0.00
18 T	Dibenzothiopene	50.000	48.866	2.3	101	0.00
19 T	Phenanthrene	50.000	47.598	4.8	99	0.00
20 T	Anthracene	50.000	47.209	5.6	97	0.00
21 T	Carbazole	50.000	45.490	9.0	94	0.00
22 T	1-Methylphenanthrene	50.000	49.249	1.5	101	0.00
23 T	Fluoranthene	50.000	49.003	2.0	101	0.00
24 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	111	-0.02
25 T	Pyrene	50.000	45.539	8.9	101	0.00
26 S	Terphenyl-d14 (Surr)	50.000	46.132	7.7	103	-0.01
27 T	Benz(a)anthracene	50.000	44.056	11.9	104	-0.02
28 T	Chrysene	50.000	46.182	7.6	104	-0.02
29 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	123	-0.01
30 T	Benzo(b)fluoranthene	50.000	46.206	7.6	113	-0.01
31 T	Benzo(k)fluoranthene	50.000	45.608	8.8	114	-0.01
32 T	Benzo(b+k)fluoranthene	100.000	93.827	6.2	116	-0.01
33 S	Benzo(a)pyrene d-12 (Surr)	50.000	0.000	100.0#	0	-17.96#
34 T	Benzo(e)pyrene	50.000	45.956	8.1	115	-0.02
35 T	Benzo(a)pyrene	50.000	46.515	7.0	112	-0.01
36 T	Perylene	50.000	48.782	2.4	120	-0.01
37 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	149	-0.02
38 T	Indeno(1,2,3-cd)Pyrene	50.000	43.829	12.3	132	-0.02
39 T	Dibenz(a,h)anthracene	50.000	47.444	5.1	144	-0.02
40 T	Benzo(g,h,i)perylene	50.000	44.793	10.4	132	-0.01

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262002.D
 Acq On : 26 Feb 2020 10:15 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:08:55 2020

Quant Method : U:\methods\SV14_090619_PAHR7.M

Quant Title : EPA 8270D: Semivolatle Organics

QLast Update : Fri Dec 20 12:46:03 2019

Response via : Initial Calibration

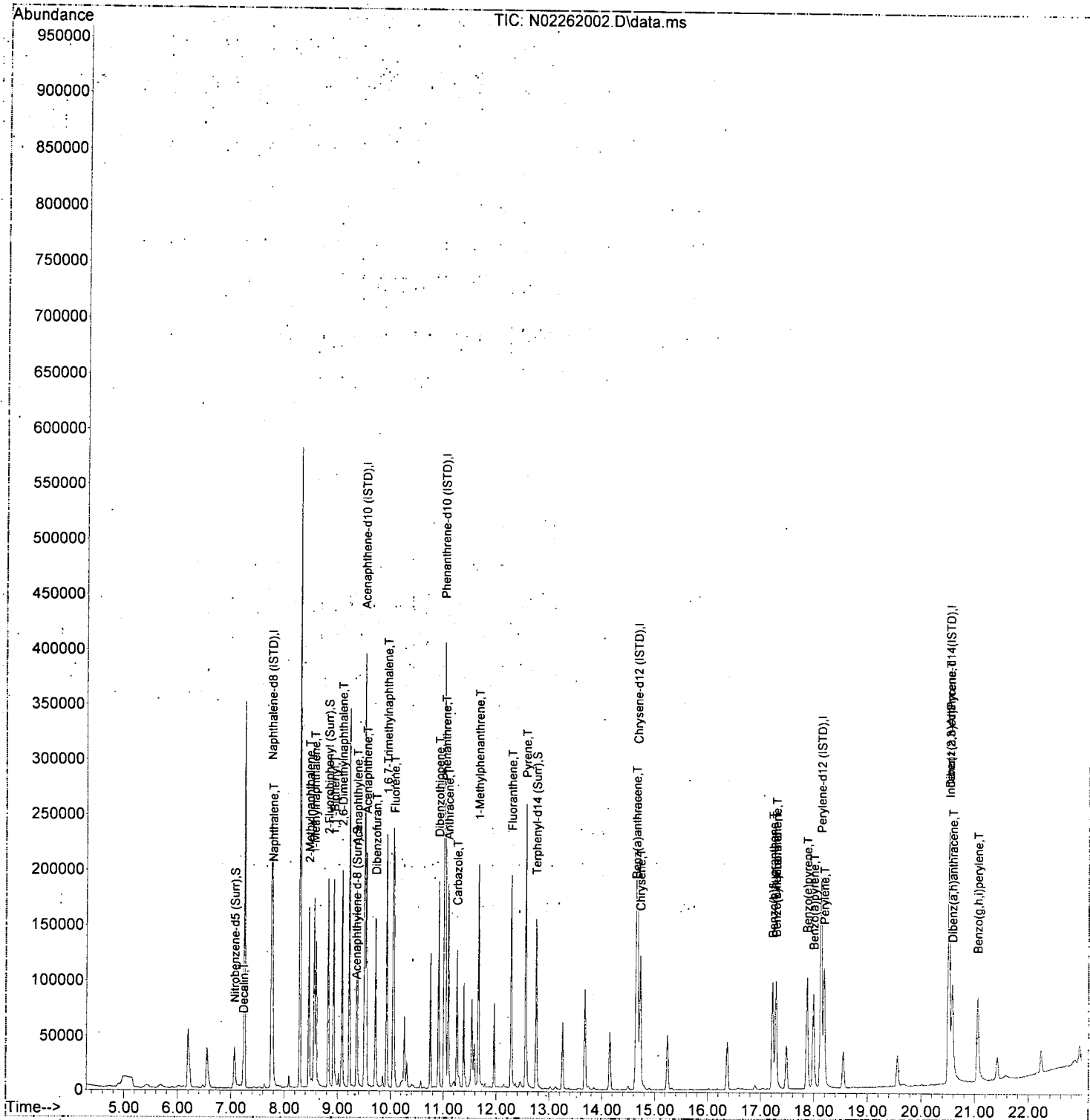
InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	191979	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.509	162	119599	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.013	188	223968	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	189183	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.130	264	175118	100.00	ng/ml	-0.01	
37) Dibenz(a,h)Anthracene-d...	20.514	292	139402	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.067	82	28072	44.00	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.822	172	91927	51.52	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	5375	0.79	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	91788	46.13	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	7.230	138	2745	19.20	ng/ml		Qvalue 86
4) Naphthalene	7.778	128	102353	48.34	ng/ml		99
5) 2-Methylnaphthalene	8.460	142	75279	41.96	ng/ml		96
6) 1-Methylnaphthalene	8.559	142	73125	40.76	ng/ml		98
7) 1,1'-Biphenyl	8.927	154	96787	40.11	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.084	156	69427	39.39	ng/ml		99
12) Acenaphthylene	9.364	152	122650	47.24	ng/ml		98
13) Acenaphthene	9.544	153	81419	47.88	ng/ml		99
14) Dibenzofuran	9.719	168	106737	50.11	ng/ml		96
15) 1,6,7-Trimethylnaphtha...	9.929	170	67978	47.66	ng/ml		98
16) Fluorene	10.063	166	84556	48.59	ng/ml		99
18) Dibenzothiopene	10.908	184	114464	48.87	ng/ml		96
19) Phenanthrene	11.037	178	124746	47.60	ng/ml		100
20) Anthracene	11.089	178	115084	47.21	ng/ml		99
21) Carbazole	11.258	167	89731	45.49	ng/ml		99
22) 1-Methylphenanthrene	11.666	192	89663	49.25	ng/ml		98
23) Fluoranthene	12.284	202	129394	49.00	ng/ml		96
25) Pyrene	12.564	202	134598	45.54	ng/ml		99
27) Benz(a)anthracene	14.644	228	96768	44.06	ng/ml		100
28) Chrysene	14.726	228	95993	46.18	ng/ml		99
30) Benzo(b)fluoranthene	17.221	252	93366	46.21	ng/ml		93
31) Benzo(k)fluoranthene	17.285	252	90737	45.61	ng/ml		93
32) Benzo(b+k)fluoranthene	17.285	252	193927	93.83	ng/ml		93
34) Benzo(e)pyrene	17.868	252	93899	45.96	ng/ml		96
35) Benzo(a)pyrene	17.990	252	80449	46.51	ng/ml		97
36) Perylene	18.188	252	103916	48.78	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.520	276	75353	43.83	ng/ml		80
39) Dibenz(a,h)anthracene	20.584	278	76644	47.44	ng/ml		83
40) Benzo(g,h,i)perylene	21.056	276	81694	44.79	ng/ml		98

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

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262002.D
 Acq On : 26 Feb 2020 10:15 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:08:55 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262003.D
 Acq On : 26 Feb 2020 10:47 am
 Operator : JK/ AMS/ DTH
 Sample : 0B26029-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:20 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

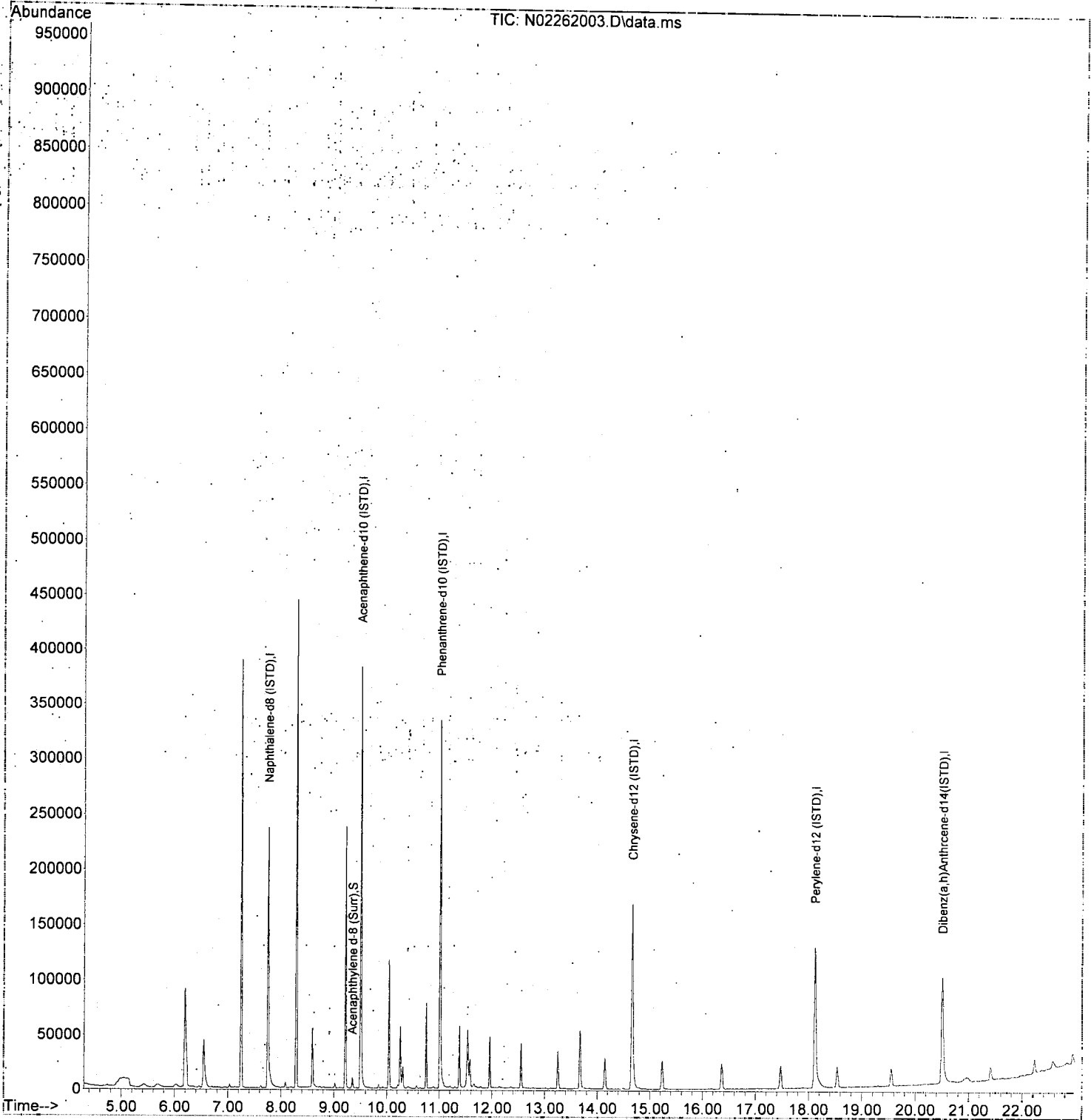
AMS
2/26/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	194915	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	122421	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.007	188	210431	100.00	ng/ml	-0.01	
24) Chrysene-d12 (ISTD)	14.662	240	143289	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.118	264	124720	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	94957	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.137	82	54	0.08	ng/ml	0.07	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.346	160	6961	1.39	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.762	244	70	0.05	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0		N.D.		Qvalue
4) Naphthalene	7.778	128	161		N.D.		
5) 2-Methylnaphthalene	0.000		0		N.D.		
6) 1-Methylnaphthalene	0.000		0		N.D.		
7) 1,1'-Biphenyl	8.932	154	52		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
12) Acenaphthylene	0.000		0		N.D.		
13) Acenaphthene	0.000		0		N.D.		
14) Dibenzofuran	0.000		0		N.D.		
15) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.		
16) Fluorene	0.000		0		N.D.		
18) Dibenzothiopene	0.000		0		N.D.		
19) Phenanthrene	11.036	178	221		N.D.		
20) Anthracene	11.036	178	221		N.D.		
21) Carbazole	11.532	167	354		N.D.		
22) 1-Methylphenanthrene	0.000		0		N.D.		
23) Fluoranthene	12.295	202	81		N.D.		
25) Pyrene	12.569	202	71		N.D.		
27) Benz(a)anthracene	14.662	228	413		N.D.		
28) Chrysene	14.714	228	110		N.D.		
30) Benzo(b)fluoranthene	0.000		0		N.D.		
31) Benzo(k)fluoranthene	0.000		0		N.D.		
32) Benzo(b+k)fluoranthene	0.000		0		N.D.		
34) Benzo(e)pyrene	18.112	252	321		N.D.		
35) Benzo(a)pyrene	0.000		0		N.D.		
36) Perylene	18.171	252	52		N.D.		
38) Indeno(1,2,3-cd)Pyrene	0.000		0		N.D.		
39) Dibenz(a,h)anthracene	0.000		0		N.D.		
40) Benzo(g,h,i)perylene	0.000		0		N.D.		

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

Data Path : U:\data\2020-02\0B26029\
Data File : N02262003.D
Acq On : 26 Feb 2020 10:47 am
Operator : JK/ AMS/ DTH
Sample : 0B26029-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:20 2020
Quant Method : U:\methods\SV14_090619_PAHR7.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Dec 20 12:46:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262004.D
 Acq On : 26 Feb 2020 11:19 am
 Operator : JK/ AMS/ DTH
 Sample : 0020782-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:29 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatle Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

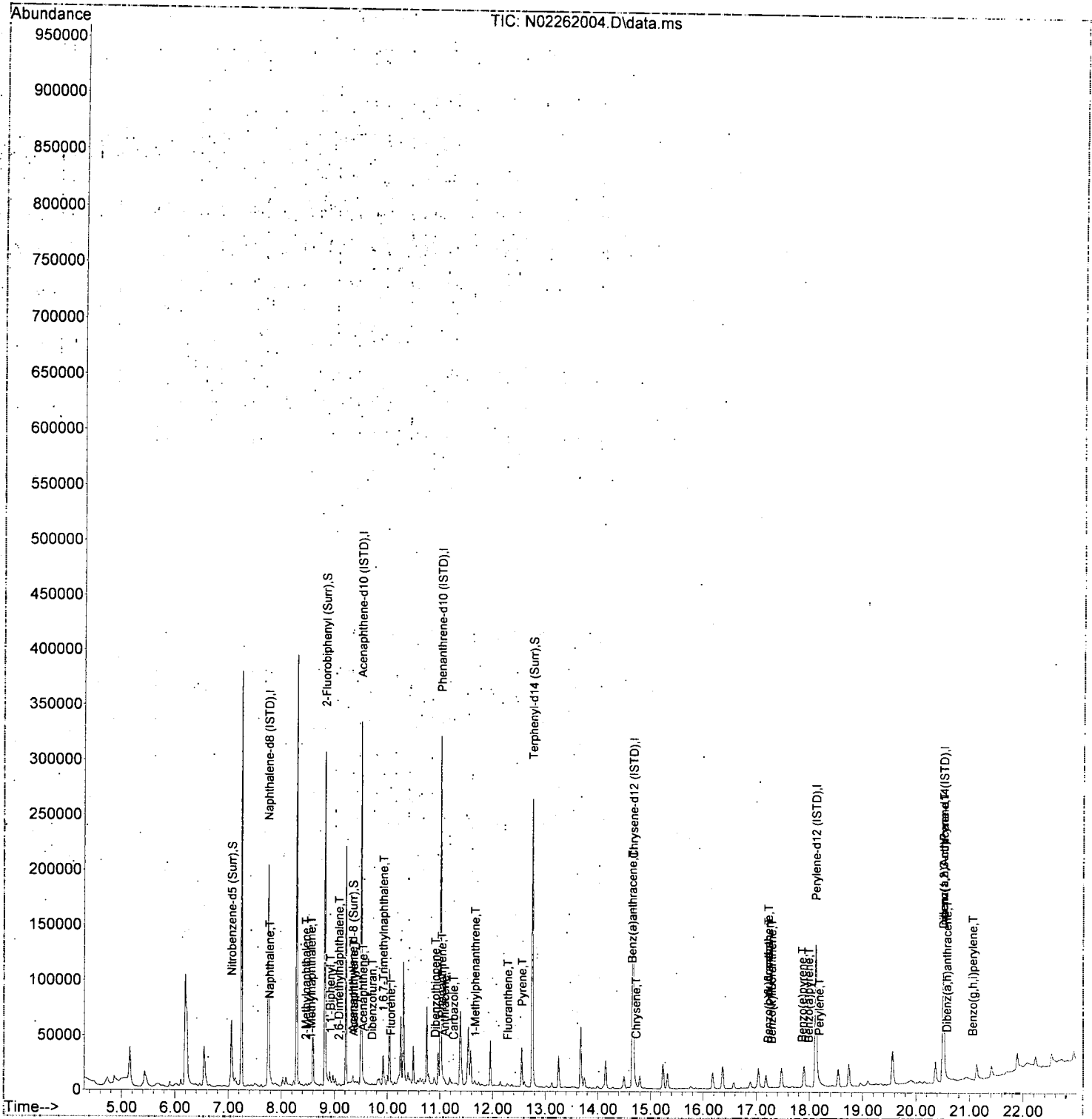
AMS
2/26/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	160733	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	102790	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	185236	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	137274	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.118	264	121160	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthrcene-d...	20.508	292	94462	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	45704	85.57	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.822	172	158263	103.21	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	5088	1.02	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	158994	110.13	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.772	128	2750	1.55	ng/ml		98
5) 2-Methylnaphthalene	8.460	142	1004	0.67	ng/ml		92
6) 1-Methylnaphthalene	8.559	142	825	0.55	ng/ml		95
7) 1,1'-Biphenyl	8.921	154	981	0.49	ng/ml		91
8) 2,6-Dimethylnaphthalene	9.084	156	596	0.40	ng/ml		97
12) Acenaphthylene	9.364	152	1024	0.46	ng/ml		95
13) Acenaphthene	9.539	153	1087	0.74	ng/ml		90
14) Dibenzofuran	9.713	168	834	0.46	ng/ml		78
15) 1,6,7-Trimethylnaphtha...	9.923	170	544	0.44	ng/ml#		1
16) Fluorene	10.063	166	794	0.53	ng/ml		97
18) Dibenzothiopene	10.908	184	951	0.49	ng/ml		98
19) Phenanthrene	11.036	178	2317	1.07	ng/ml		96
20) Anthracene	11.089	178	1101	0.55	ng/ml		91
21) Carbazole	11.258	167	1018	0.62	ng/ml		92
22) 1-Methylphenanthrene	11.666	192	947	0.63	ng/ml		97
23) Fluoranthene	12.284	202	1890	0.87	ng/ml		97
25) Pyrene	12.558	202	2029	0.95	ng/ml		100
27) Benz(a)anthracene	14.644	228	1204	0.76	ng/ml		79
28) Chrysene	14.720	228	1103	0.73	ng/ml		96
30) Benzo(b)fluoranthene	17.221	252	824	0.59	ng/ml		78
31) Benzo(k)fluoranthene	17.285	252	655	0.48	ng/ml		92
32) Benzo(b+k)fluoranthene	17.221	252	1643	1.15	ng/ml		77
34) Benzo(e)pyrene	17.862	252	807	0.57	ng/ml		91
35) Benzo(a)pyrene	17.984	252	769	0.64	ng/ml		80
36) Perylene	18.182	252	694	0.47	ng/ml		83
38) Indeno(1,2,3-cd)Pyrene	20.508	276	695	0.60	ng/ml#		43
39) Dibenz(a,h)anthracene	20.572	278	535	0.49	ng/ml		64
40) Benzo(g,h,i)perylene	21.056	276	750	0.61	ng/ml		66

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

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262004.D
 Acq On : 26 Feb 2020 11:19 am
 Operator : JK/ AMS/ DTH
 Sample : 0020782-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:29 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262005.D
 Acq On : 26 Feb 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : 0020782-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
2/26/20

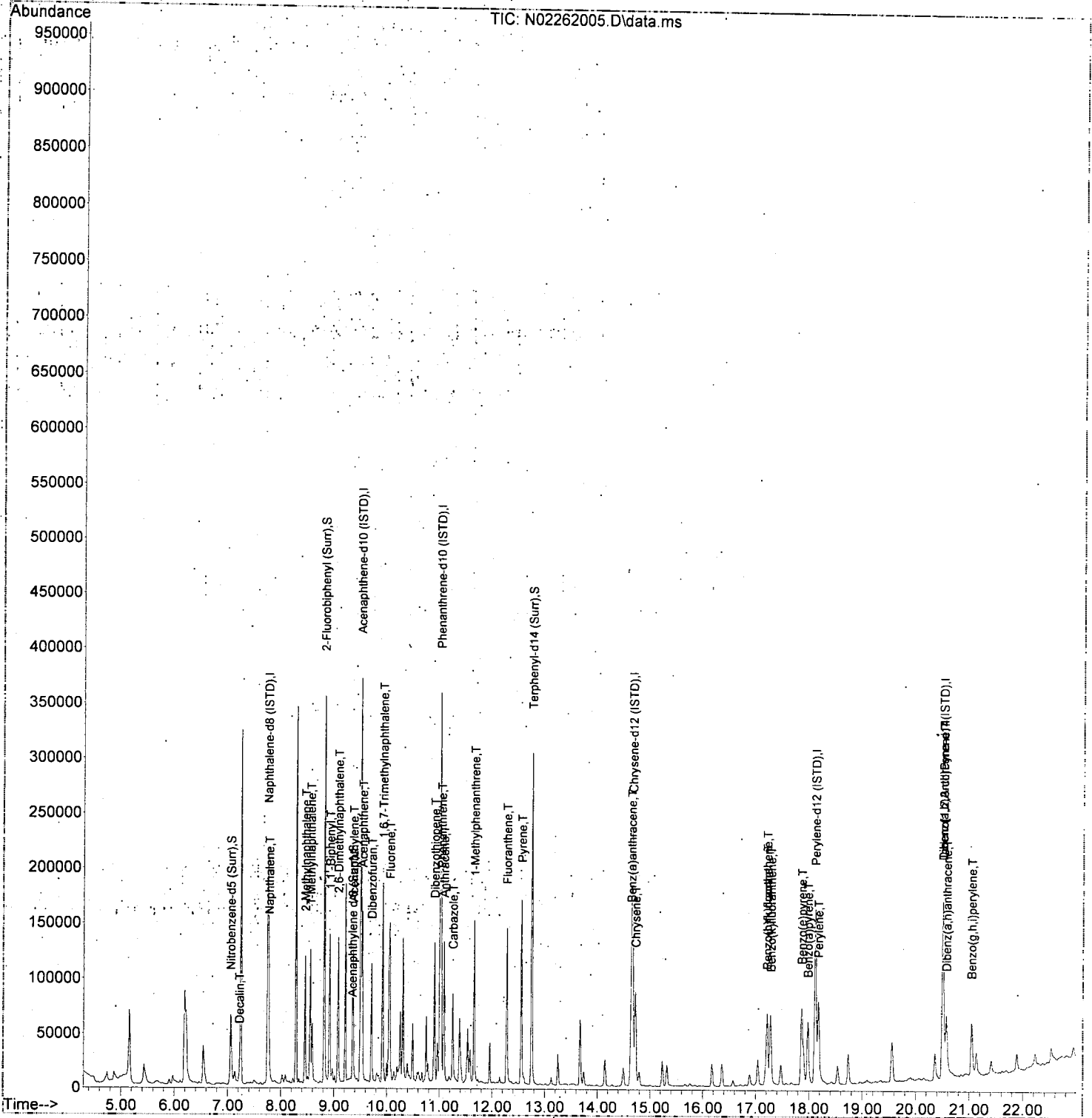
Quant Time: Feb 26 15:09:34 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	157410	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	109554	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.007	188	197719	100.00	ng/ml	-0.01	
24) Chrysene-d12 (ISTD)	14.662	240	160163	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.118	264	145030	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.502	292	110684	100.00	ng/ml	-0.03	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.056	82	46048	88.04	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.816	172	170993	104.62	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	4320	0.51	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.750	244	175715	104.31	ng/ml	-0.02	
33) Benzo(a)pyrene d-12 (S...	17.938	264	126	0.11	ng/ml	-0.03	
Target Compounds							
							Qvalue
3) Decalin	7.219	138	1841	15.71	ng/ml		97
4) Naphthalene	7.772	128	66411	38.25	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	52361	35.59	ng/ml		98
6) 1-Methylnaphthalene	8.553	142	51452	34.98	ng/ml		97
7) 1,1'-Biphenyl	8.921	154	67152	33.94	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.078	156	48096	33.28	ng/ml		99
12) Acenaphthylene	9.364	152	85267	35.85	ng/ml		99
13) Acenaphthene	9.539	153	59097	37.94	ng/ml		98
14) Dibenzofuran	9.713	168	71868	36.83	ng/ml		95
15) 1,6,7-Trimethylnaphtha...	9.923	170	48420	37.06	ng/ml		98
16) Fluorene	10.057	166	58029	36.40	ng/ml		100
18) Dibenzothiopene	10.902	184	77223	37.34	ng/ml		96
19) Phenanthrene	11.037	178	86723	37.48	ng/ml		99
20) Anthracene	11.083	178	79298	36.85	ng/ml		99
21) Carbazole	11.252	167	57811	33.20	ng/ml		99
22) 1-Methylphenanthrene	11.660	192	63405	39.45	ng/ml		97
23) Fluoranthene	12.278	202	93413	40.07	ng/ml		96
25) Pyrene	12.558	202	94718	37.85	ng/ml		100
27) Benz(a)anthracene	14.639	228	64786	34.84	ng/ml		98
28) Chrysene	14.720	228	66730	37.92	ng/ml		99
30) Benzo(b)fluoranthene	17.209	252	61932	37.01	ng/ml		93
31) Benzo(k)fluoranthene	17.279	252	60188	36.53	ng/ml		93
32) Benzo(b+k)fluoranthene	17.209	252	129769	75.81	ng/ml		92
34) Benzo(e)pyrene	17.862	252	63371	37.45	ng/ml		98
35) Benzo(a)pyrene	17.978	252	52102	36.37	ng/ml		97
36) Perylene	18.177	252	67645	38.34	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.508	276	47378	34.71	ng/ml		82
39) Dibenz(a,h)anthracene	20.572	278	45514	35.48	ng/ml		82
40) Benzo(g,h,i)perylene	21.044	276	52044	35.94	ng/ml		97

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

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262005.D
 Acq On : 26 Feb 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : 0020782-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:34 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262010.D
 Acq On : 26 Feb 2020 02:32 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020782-MSD1@20
 Misc : 20x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:57 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
 2/26/20

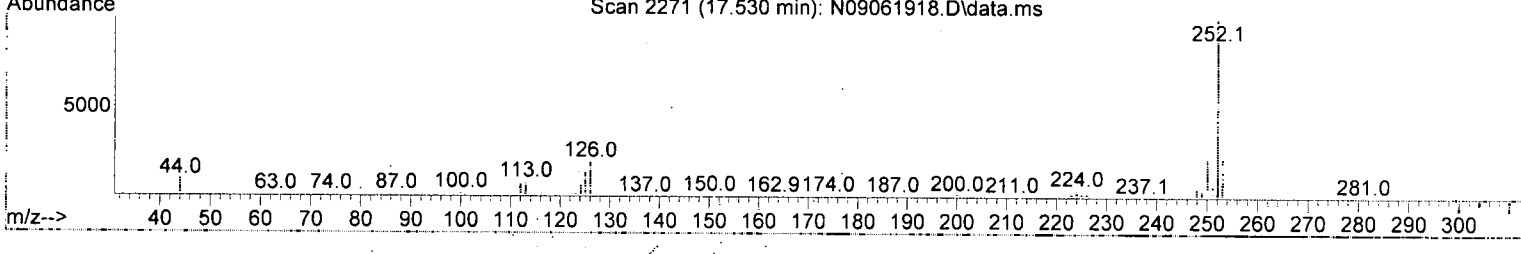
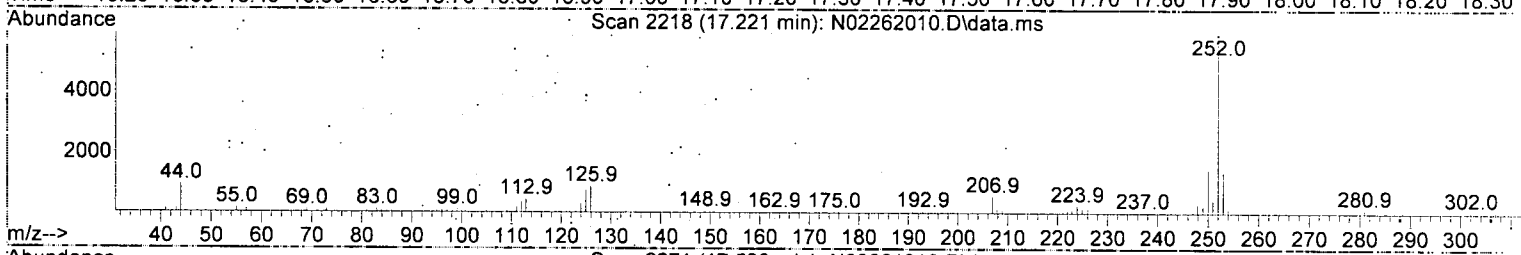
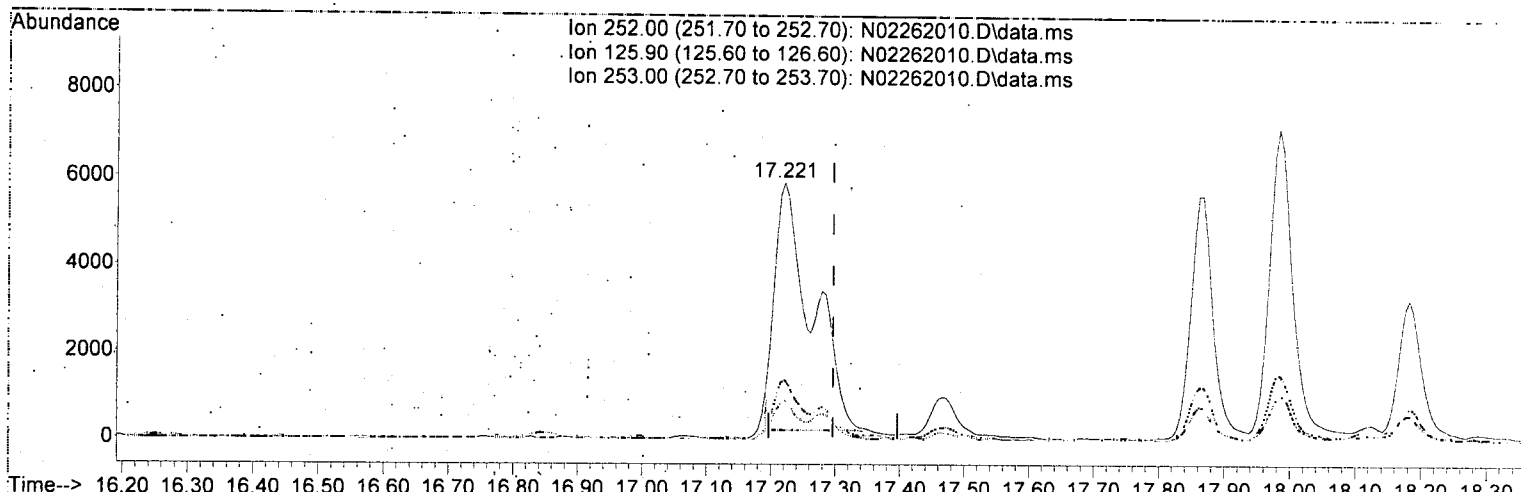
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	167947	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.504	162	107540	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	185245	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	139664	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	130529	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	100956	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.073	82	2206	3.95	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.822	172	7020	4.38	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	5941	1.31	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	6462	4.40	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	7.225	138	136	1.09	ng/ml#	75	
4) Naphthalene	7.773	128	18552	10.02	ng/ml	100	
5) 2-Methylnaphthalene	8.460	142	4598	2.93	ng/ml	98	
6) 1-Methylnaphthalene	8.559	142	4938	3.15	ng/ml	92	
7) 1,1'-Biphenyl	8.927	154	3216	1.52	ng/ml	97	
8) 2,6-Dimethylnaphthalene	9.090	156	3447	2.24	ng/ml	93	
12) Acenaphthylene	9.364	152	6740	2.89	ng/ml	96	
13) Acenaphthene	9.539	153	19079	12.48	ng/ml	98	
14) Dibenzofuran	9.719	168	4001	2.09	ng/ml	91	
15) 1,6,7-Trimethylnaphtha...	9.923	170	2881	2.25	ng/ml	98	
16) Fluorene	10.063	166	11322	7.24	ng/ml	98	
18) Dibenzothiopene	10.908	184	16788	8.67	ng/ml	97	
19) Phenanthrene	11.037	178	127916	59.01	ng/ml	100	
20) Anthracene	11.089	178	10177	5.05	ng/ml	98	
21) Carbazole	11.258	167	2892	1.77	ng/ml	97	
22) 1-Methylphenanthrene	11.660	192	8941	5.94	ng/ml	92	
23) Fluoranthene	12.278	202	80754	36.98	ng/ml	98	
25) Pyrene	12.558	202	99243	45.48	ng/ml	99	
27) Benz(a)anthracene	14.644	228	15067	9.29	ng/ml	77	
28) Chrysene	14.720	228	19297	12.58	ng/ml	97	
30) Benzo(b)fluoranthene	17.221	252	17367	11.53	ng/ml	92	
31) Benzo(k)fluoranthene	17.221	252	22889	15.43	ng/ml	91	MI
32) Benzo(b+k)fluoranthene	17.221	252	26372	17.12	ng/ml	91	
34) Benzo(e)pyrene	17.868	252	13580	8.92	ng/ml	95	
35) Benzo(a)pyrene	17.984	252	16679	12.94	ng/ml	96	
36) Perylene	18.182	252	8226	5.18	ng/ml	98	
38) Indeno(1,2,3-cd)Pyrene	20.514	276	14212	11.41	ng/ml	84	
39) Dibenz(a,h)anthracene	20.578	278	2635	2.25	ng/ml	90	
40) Benzo(g,h,i)perylene	21.050	276	16250	12.30	ng/ml	99	

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262010.D
 Acq On : 26 Feb 2020 02:32 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020782-MSD1@20
 Misc : 20x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:34:54 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262010.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.221min (-0.076) 15.43 ng/ml

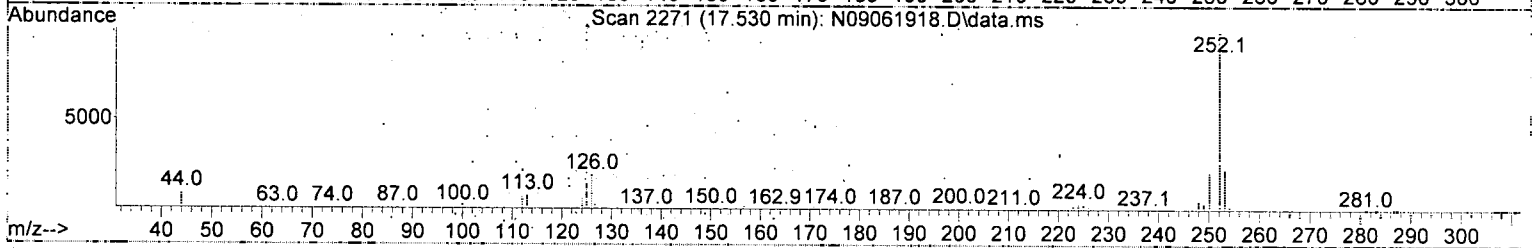
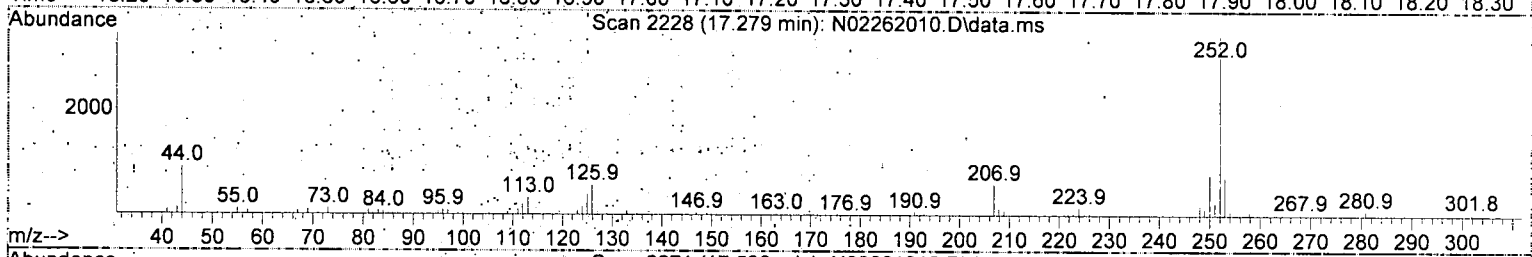
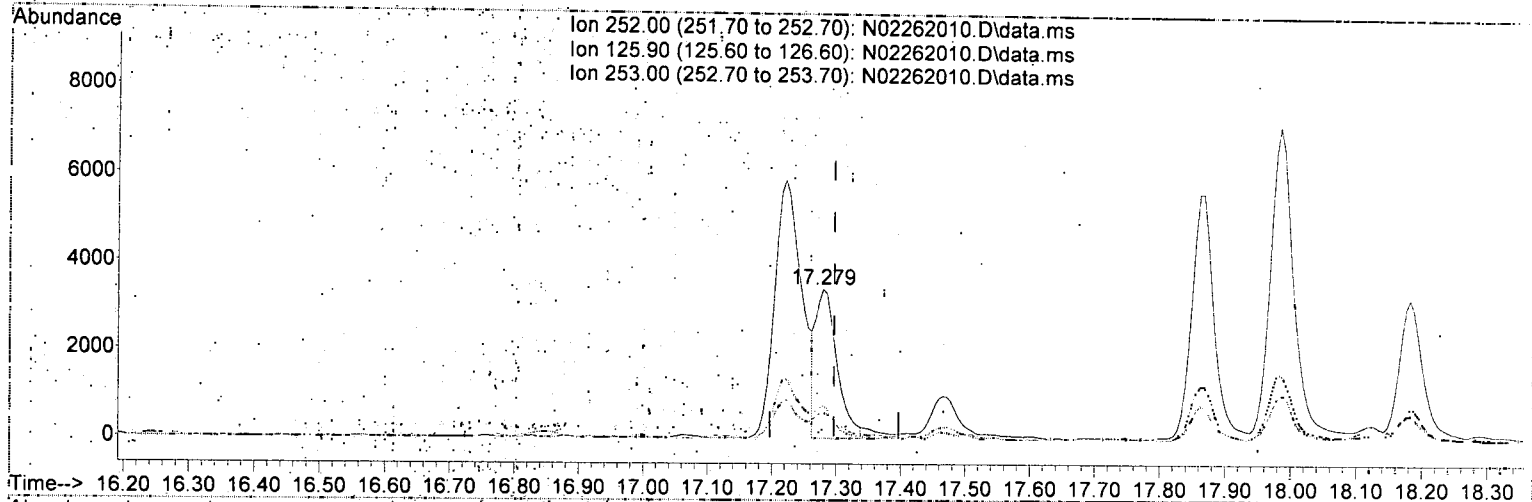
response	22889	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.94
253.00	21.50	23.14
0.00	0.00	0.00

AMS
2/26/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262010.D
 Acq On : 26 Feb 2020 02:32 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020782-MSD1@20
 Misc : 20x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:57 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262010.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.017) 5.28 ng/ml m

response 7832

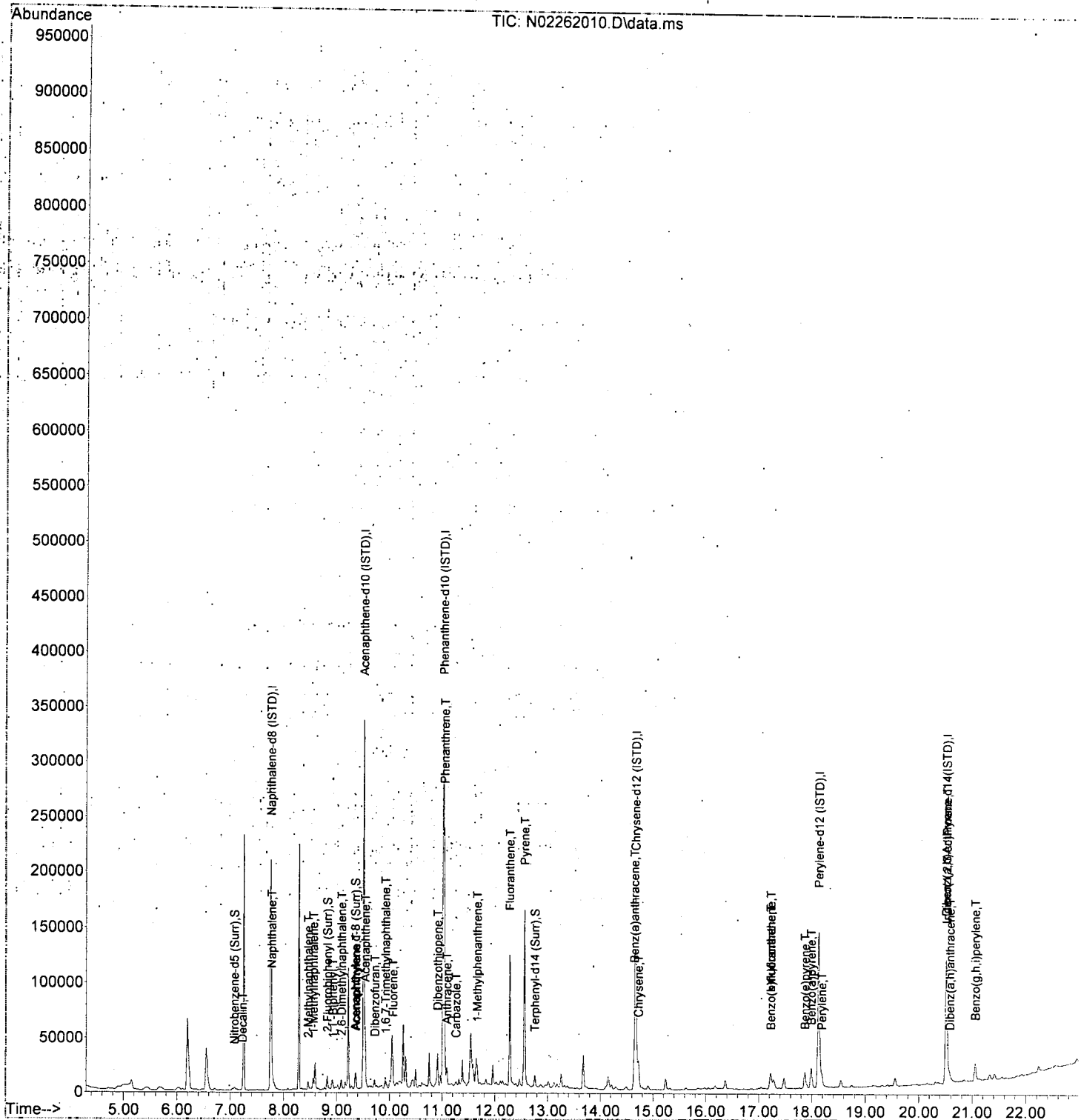
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	17.03
253.00	21.50	21.51
0.00	0.00	0.00

AMS
2/26/20

✓

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262010.D
 Acq On : 26 Feb 2020 02:32 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020782-MSD1@20
 Misc : 20x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 15:09:57 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262012.D
 Acq On : 26 Feb 2020 03:37 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-BLK1
 Misc : 1x; 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 16:34:44 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

DNX 2/26/20 *B 802*

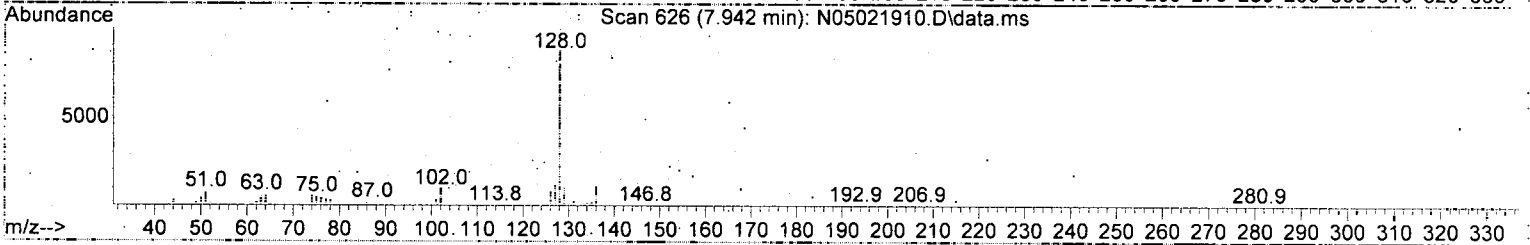
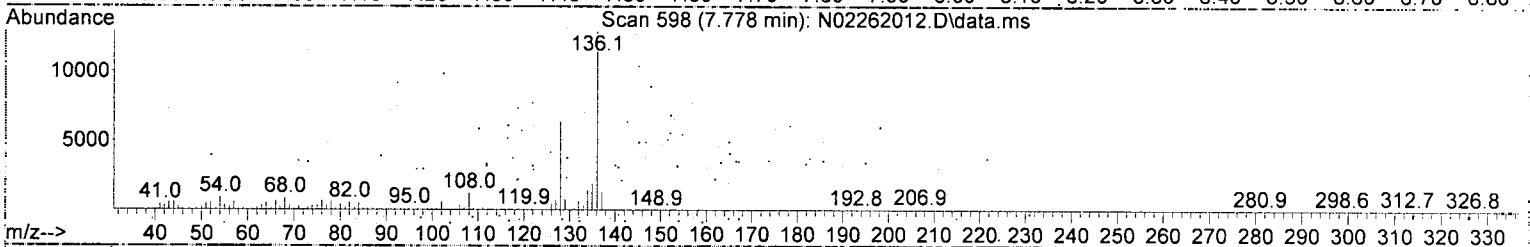
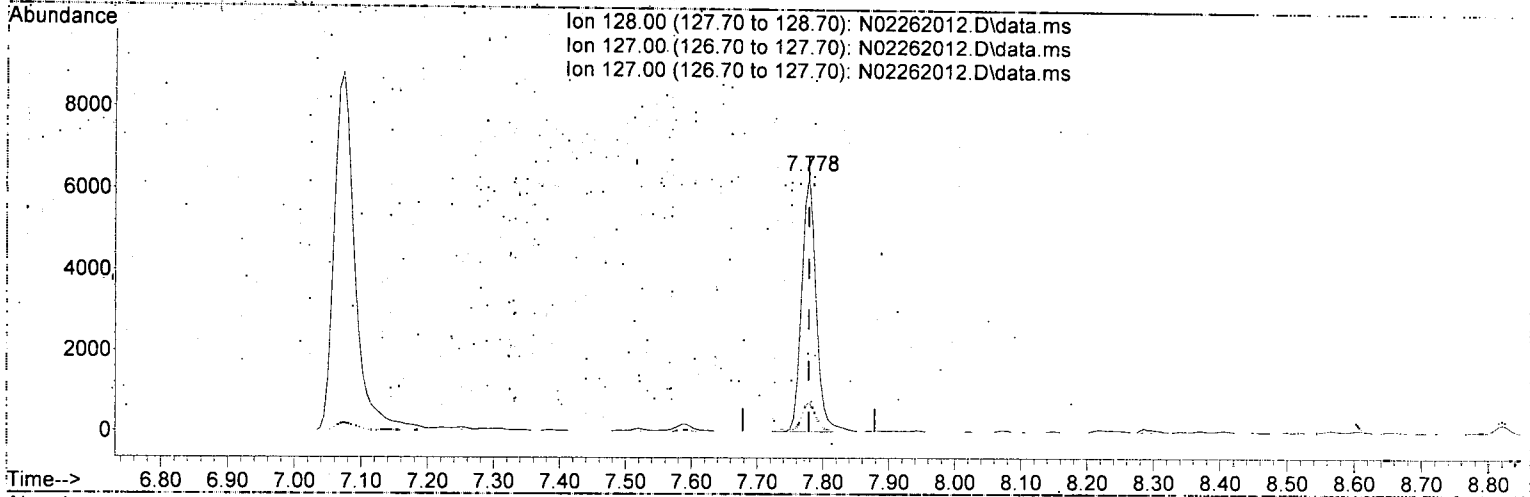
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	165308	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.509	162	101530	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.013	188	171868	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	133083	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	125494	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	106644	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.073	82	39448	71.81	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.821	172	129064	85.21	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	9509	3.23	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	138008	98.60	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.778	128	9817	5.38	ng/ml	97	B
5) 2-Methylnaphthalene	8.460	142	1643	1.06	ng/ml	98	
6) 1-Methylnaphthalene	8.559	142	1120	0.73	ng/ml	94	
7) 1,1'-Biphenyl	8.926	154	677	N.D.			
8) 2,6-Dimethylnaphthalene	9.090	156	618	0.41	ng/ml	74	
12) Acenaphthylene	9.363	152	637	N.D.			
13) Acenaphthene	9.538	153	1731	1.20	ng/ml	99	
14) Dibenzofuran	9.719	168	226	N.D.			
15) 1,6,7-Trimethylnaphtha...	9.929	170	224	N.D.			
16) Fluorene	10.063	166	929	0.63	ng/ml	98	
18) Dibenzothiopene	10.908	184	861	0.48	ng/ml	86	
19) Phenanthrene	11.036	178	7363	3.66	ng/ml	100	B02
20) Anthracene	11.089	178	830	0.44	ng/ml	90	
21) Carbazole	11.264	167	82	N.D.			
22) 1-Methylphenanthrene	11.660	192	688	0.49	ng/ml	90	
23) Fluoranthene	12.284	202	3804	1.88	ng/ml	94	
25) Pyrene	12.558	202	4334	2.08	ng/ml	98	
27) Benz(a)anthracene	14.656	228	1083	0.70	ng/ml	86	
28) Chrysene	14.726	228	1059	0.72	ng/ml	89	
30) Benzo(b)fluoranthene	17.232	252	1276	0.88	ng/ml	77	
31) Benzo(k)fluoranthene	17.232	252	1394	0.98	ng/ml	75	
32) Benzo(b+k)fluoranthene	17.232	252	1418	0.96	ng/ml	75	
34) Benzo(e)pyrene	17.867	252	810	0.55	ng/ml	93	
35) Benzo(a)pyrene	17.990	252	583	0.47	ng/ml	89	
36) Perylene	18.188	252	166	N.D.			
38) Indeno(1,2,3-cd)Pyrene	20.514	276	854	0.65	ng/ml	83	
39) Dibenz(a,h)anthracene	20.578	278	84	N.D.			
40) Benzo(g,h,i)perylene	21.056	276	1072	0.77	ng/ml	87	

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262012.D
 Acq On : 26 Feb 2020 03:37 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 16:34:44 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262012.D\data.ms

(4) Naphthalene (T)

7.778min (-0.000) 5.38 ng/ml

response 9817

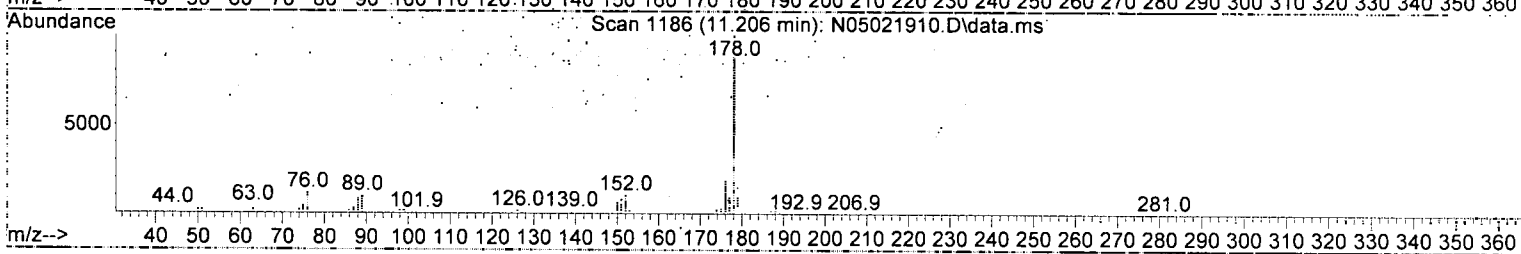
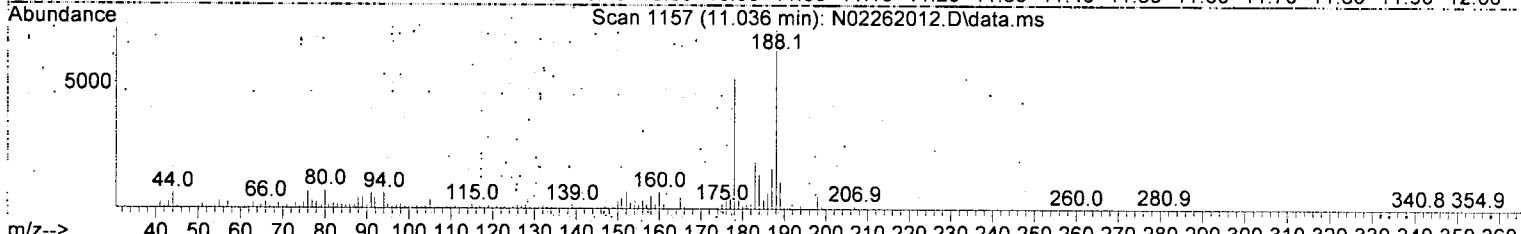
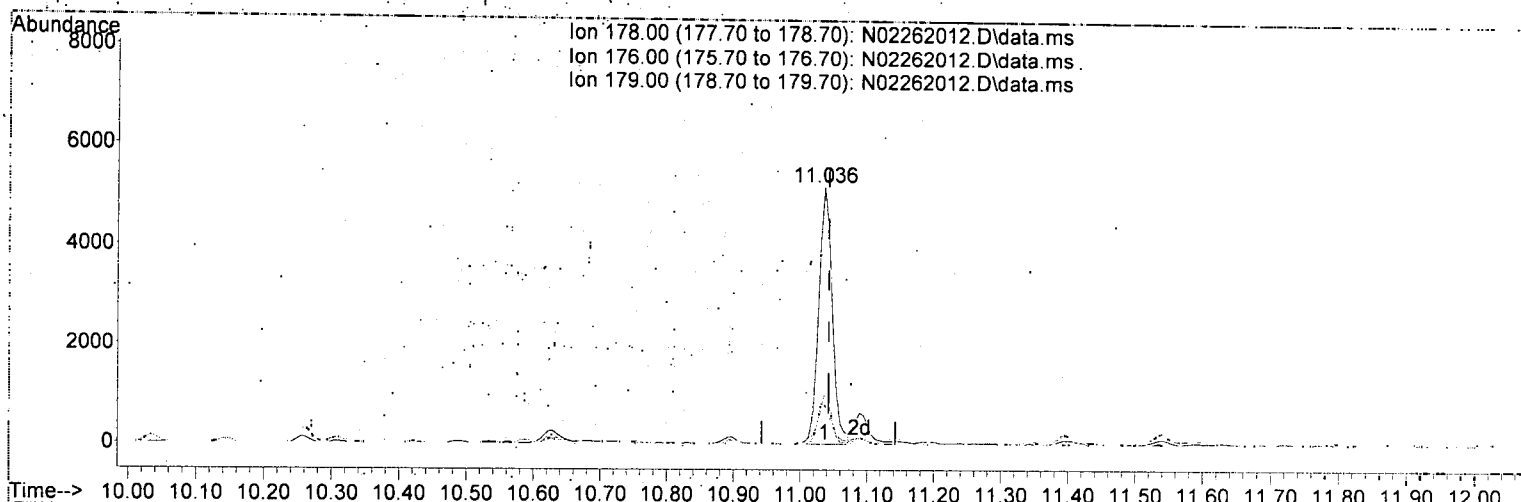
Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	11.49
127.00	12.60	11.49
0.00	0.00	0.00

B

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262012.D
 Acq On : 26 Feb 2020 03:37 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 16:34:44 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262012.D\data.ms

(19) Phenanthrene (T)

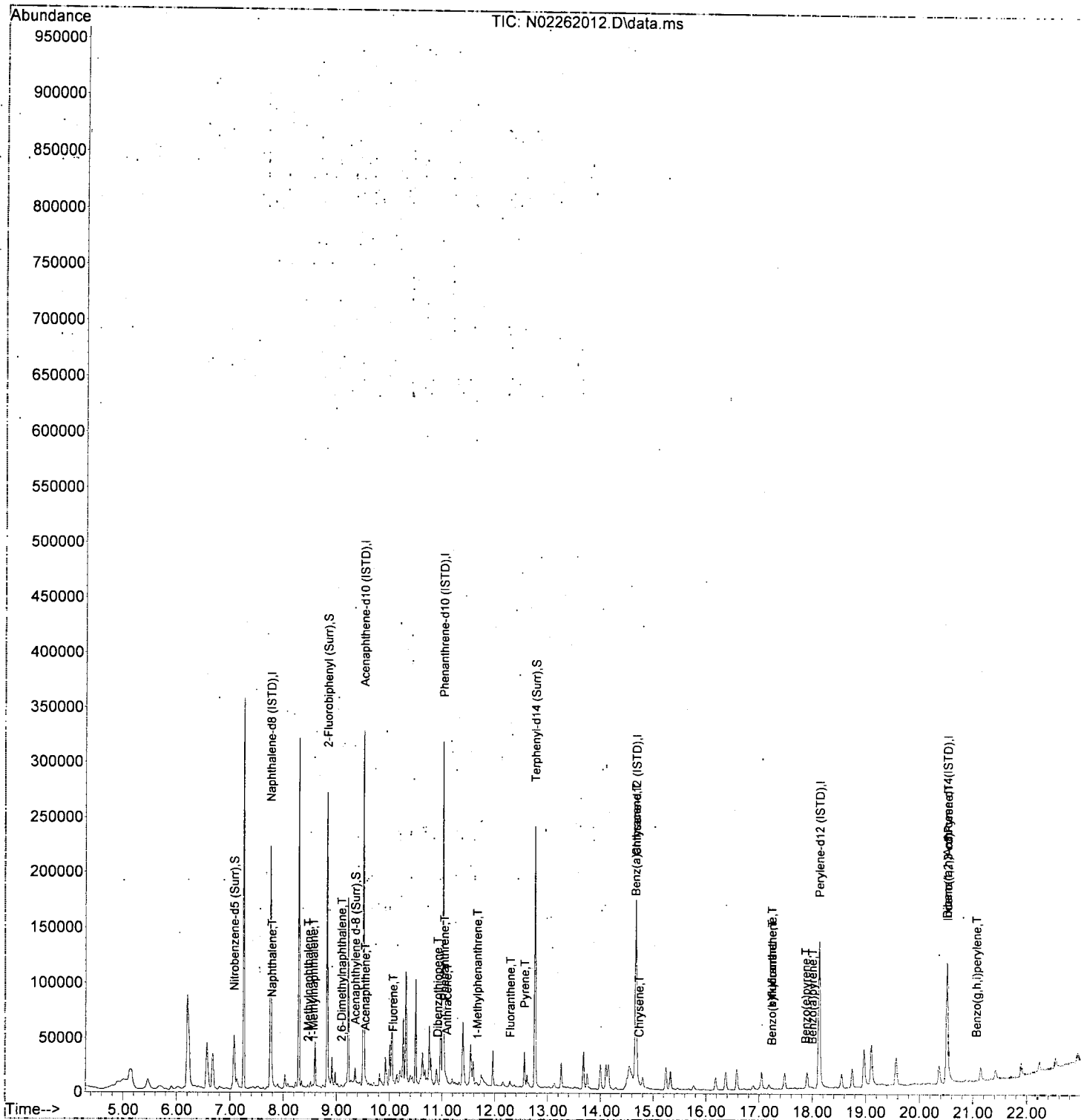
11.036min (-0.006) 3.66 ng/ml *BOL*

response 7363

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.13
179.00	15.10	15.36
0.00	0.00	0.00

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262012.D
 Acq On : 26 Feb 2020 03:37 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 16:34:44 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262013.D
 Acq On : 26 Feb 2020 04:09 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 16:34:51 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

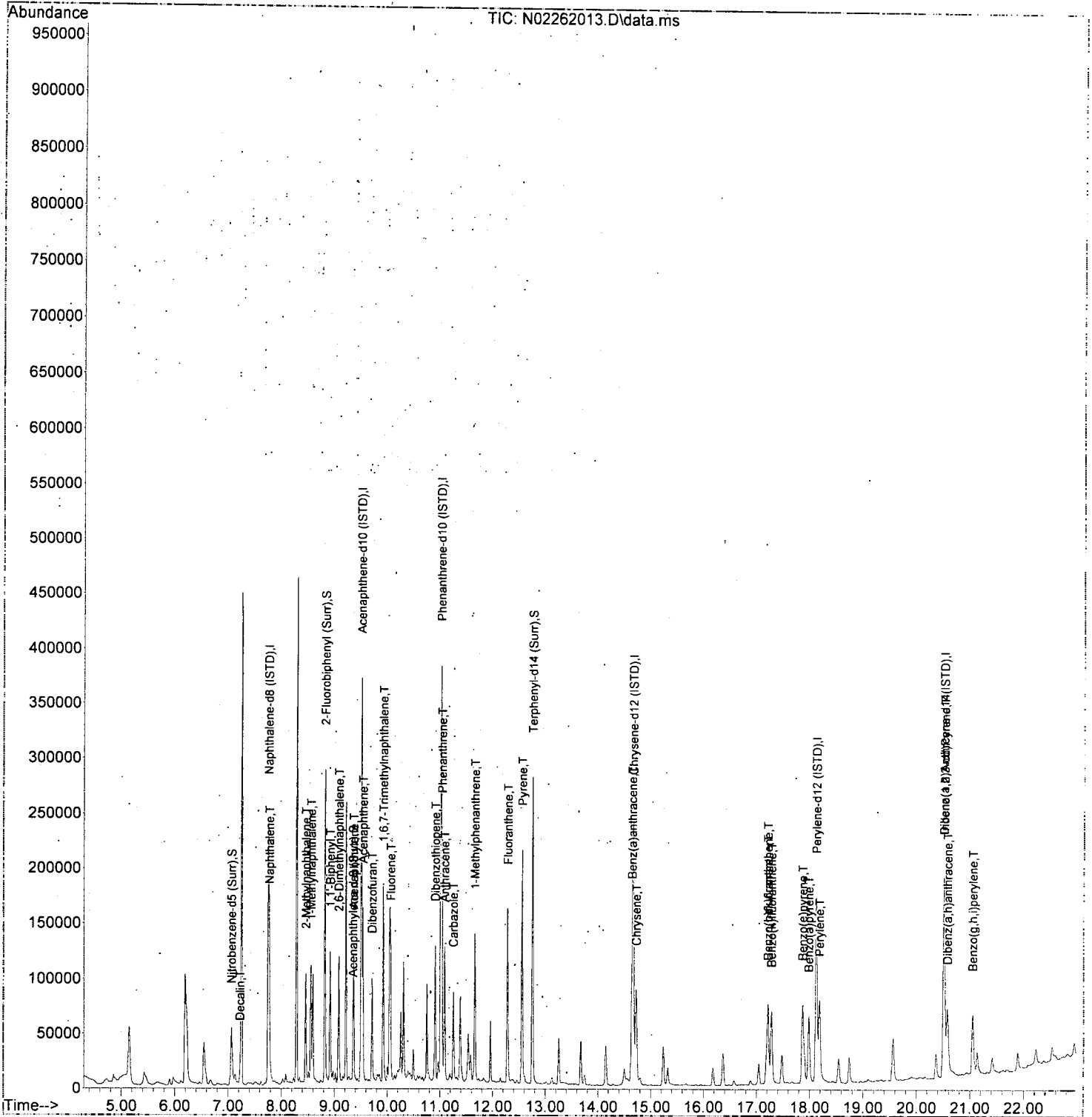
DTH 2/26/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	172055	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.504	162	114248	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	203386	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	167514	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	155833	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthrcene-d...	20.508	292	123132	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	40565	70.95	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.822	172	135848	79.70	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	4677	0.59	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	159727	90.66	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
							Qvalue
3) Decalin	7.225	138	1648	12.87	ng/ml		88
4) Naphthalene	7.772	128	72521	38.22	ng/ml		99
5) 2-Methylnaphthalene	8.460	142	46553	28.95	ng/ml		97
6) 1-Methylnaphthalene	8.559	142	46959	29.21	ng/ml		96
7) 1,1'-Biphenyl	8.921	154	56990	26.35	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.084	156	41498	26.27	ng/ml		100
12) Acenaphthylene	9.364	152	75159	30.30	ng/ml		99
13) Acenaphthene	9.539	153	56659	34.88	ng/ml		99
14) Dibenzofuran	9.713	168	60649	29.81	ng/ml		97
15) 1,6,7-Trimethylnaphtha...	9.923	170	41954	30.79	ng/ml		94
16) Fluorene	10.063	166	54431	32.74	ng/ml		98
18) Dibenzothiopene	10.908	184	72063	33.88	ng/ml		96
19) Phenanthrene	11.036	178	119369	50.16	ng/ml		99
20) Anthracene	11.089	178	73751	33.32	ng/ml		100
21) Carbazole	11.252	167	57502	32.10	ng/ml		99
22) 1-Methylphenanthrene	11.660	192	60566	36.63	ng/ml		98
23) Fluoranthene	12.284	202	108061	45.07	ng/ml		96
25) Pyrene	12.558	202	113001	43.18	ng/ml		99
27) Benz(a)anthracene	14.644	228	67704	34.81	ng/ml		99
28) Chrysene	14.726	228	68711	37.33	ng/ml		100
30) Benzo(b)fluoranthene	17.215	252	65837	36.61	ng/ml		94
31) Benzo(k)fluoranthene	17.279	252	63349	35.78	ng/ml		93
32) Benzo(b+k)fluoranthene	17.215	252	136022	73.96	ng/ml		92
34) Benzo(e)pyrene	17.868	252	65576	36.07	ng/ml		97
35) Benzo(a)pyrene	17.984	252	55224	35.88	ng/ml		96
36) Perylene	18.182	252	68491	36.13	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.514	276	52594	34.63	ng/ml		83
39) Dibenz(a,h)anthracene	20.578	278	52664	36.91	ng/ml		84
40) Benzo(g,h,i)perylene	21.050	276	57196	35.50	ng/ml		95

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

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262013.D
 Acq On : 26 Feb 2020 04:09 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 16:34:51 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

mt 2/26/20 mos

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	169124	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.503	162	111475	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	196958	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	161053	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	155809	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	122581	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.090	82	231	0.41	ng/ml	0.02	
10) 2-Fluorobiphenyl (Surr)	8.827	172	711	0.43	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	5168	0.86	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	864	0.51	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.778	128	3120	1.67	ng/ml		96
5) 2-Methylnaphthalene	8.466	142	477	N.D.			
6) 1-Methylnaphthalene	8.565	142	593	N.D.			
7) 1,1'-Biphenyl	8.926	154	440	N.D.			
8) 2,6-Dimethylnaphthalene	9.095	156	1660	1.07	ng/ml		98
12) Acenaphthylene	9.364	152	15312	6.33	ng/ml		97
13) Acenaphthene	9.538	153	16342	10.31	ng/ml		98
14) Dibenzofuran	9.719	168	534	N.D.			
15) 1,6,7-Trimethylnaphtha...	9.923	170	1276	0.96	ng/ml		93
16) Fluorene	10.063	166	16831	10.38	ng/ml		98
18) Dibenzothiopene	10.908	184	30820	14.96	ng/ml		98
19) Phenanthrene	11.036	178	254482	110.42	ng/ml		100
20) Anthracene	11.089	178	54669	25.50	ng/ml		99
21) Carbazole	11.264	167	727	0.42	ng/ml		72
22) 1-Methylphenanthrene	11.660	192	15641	9.77	ng/ml		97
23) Fluoranthene	12.278	202	207143	89.21	ng/ml		97
25) Pyrene	12.558	202	256917	102.11	ng/ml		100
27) Benz(a)anthracene	14.644	228	40190	21.49	ng/ml		71
28) Chrysene	14.720	228	54577	30.84	ng/ml		98
30) Benzo(b)fluoranthene	17.221	252	44262	24.63	ng/ml		92
31) Benzo(k)fluoranthene	17.221	252	56000	31.64	ng/ml		91
32) Benzo(b+k)fluoranthene	17.221	252	62908	34.21	ng/ml		91
34) Benzo(e)pyrene	17.862	252	30053	16.53	ng/ml		99
35) Benzo(a)pyrene	17.984	252	43416	28.21	ng/ml		96
36) Perylene	18.182	252	13640	7.20	ng/ml		98
38) Indeno(1,2,3-cd)Pyrene	20.514	276	29360	19.42	ng/ml		81
39) Dibenz(a,h)anthracene	20.572	278	3097	2.18	ng/ml		83
40) Benzo(g,h,i)perylene	21.050	276	36188	22.56	ng/ml		98

mt hit mos

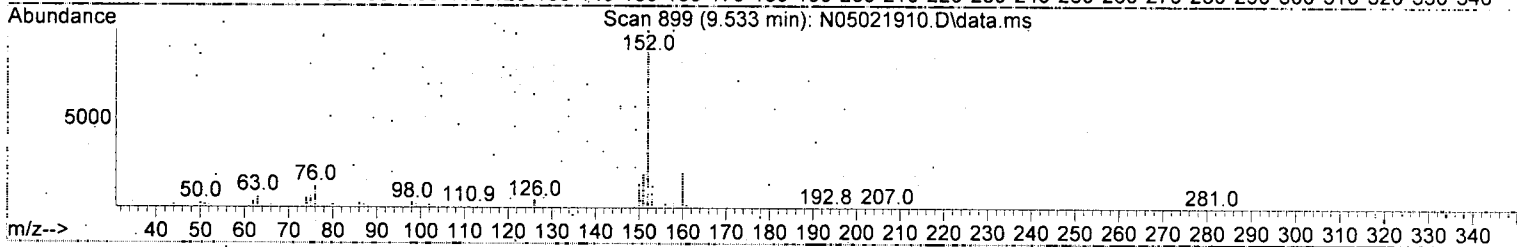
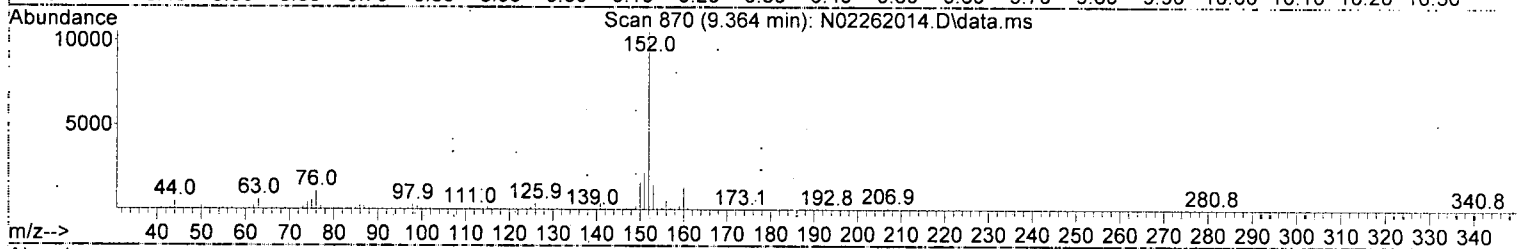
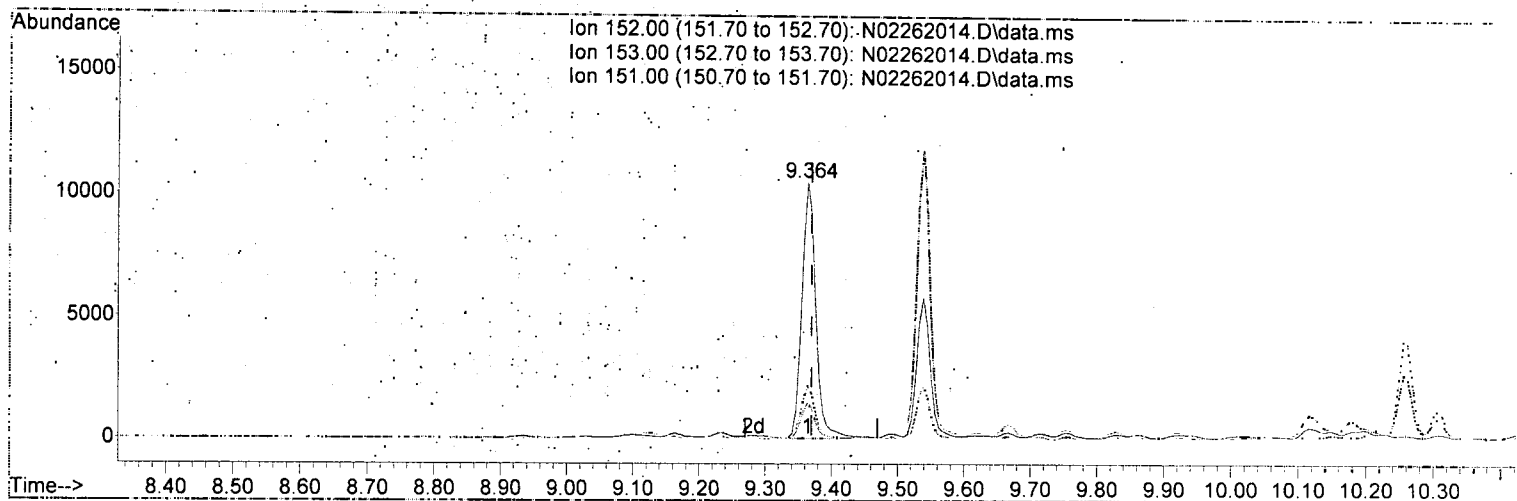
✓

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(12) Acenaphthylene (T)

9.364min (-0.006) 6.33 ng/ml

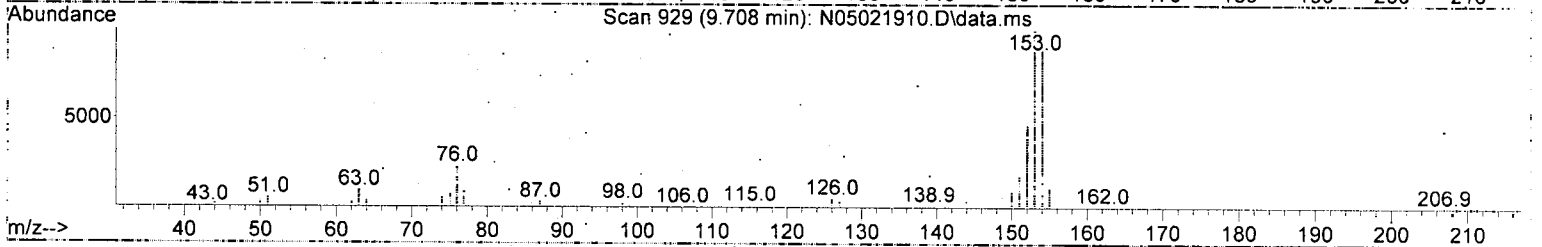
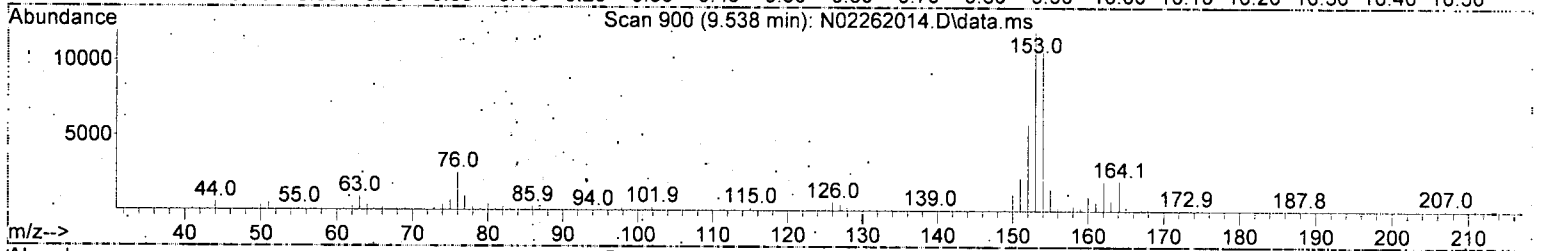
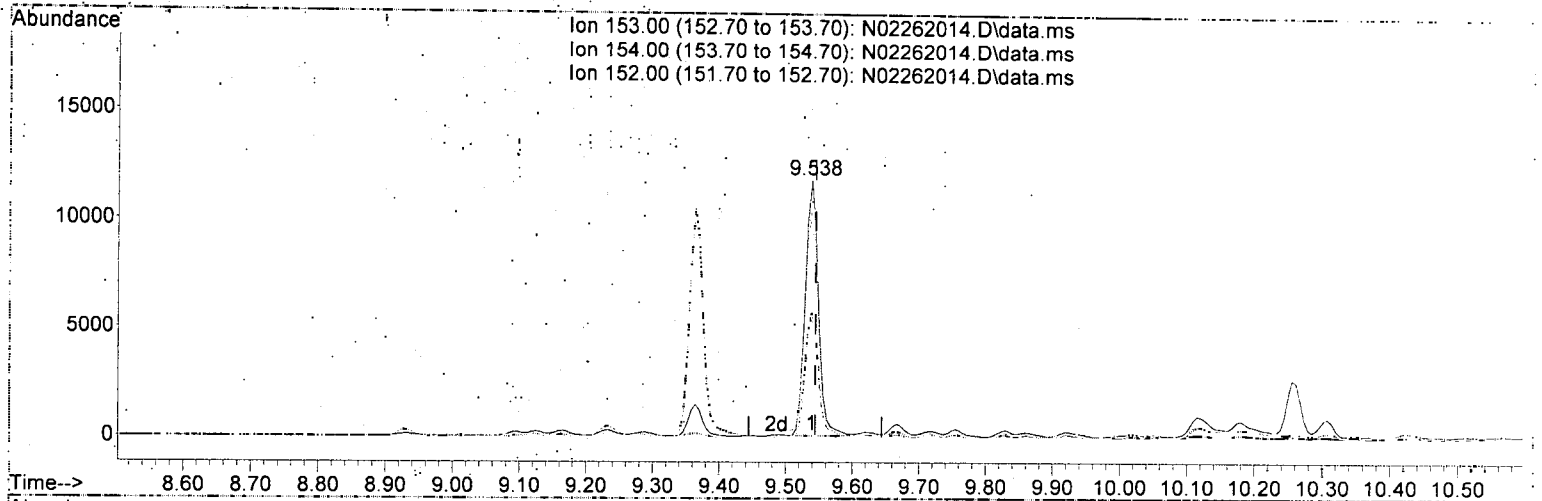
response 15312

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	13.87
151.00	19.30	20.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
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 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(13) Acenaphthene (T)

9.538min (-0.006) 10.31 ng/ml

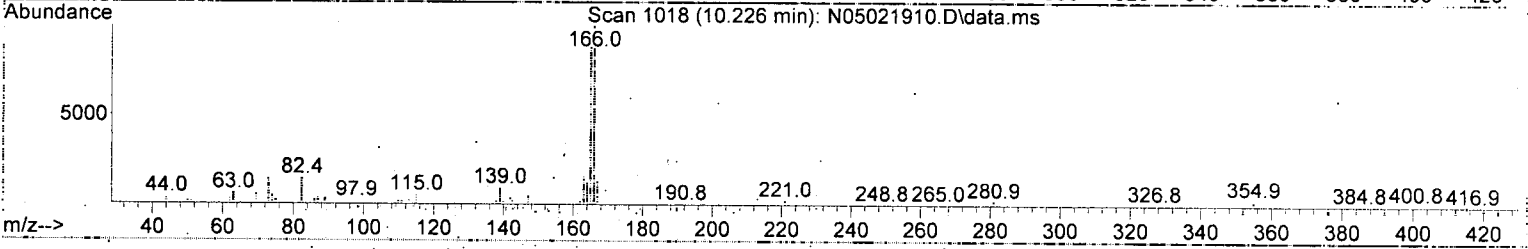
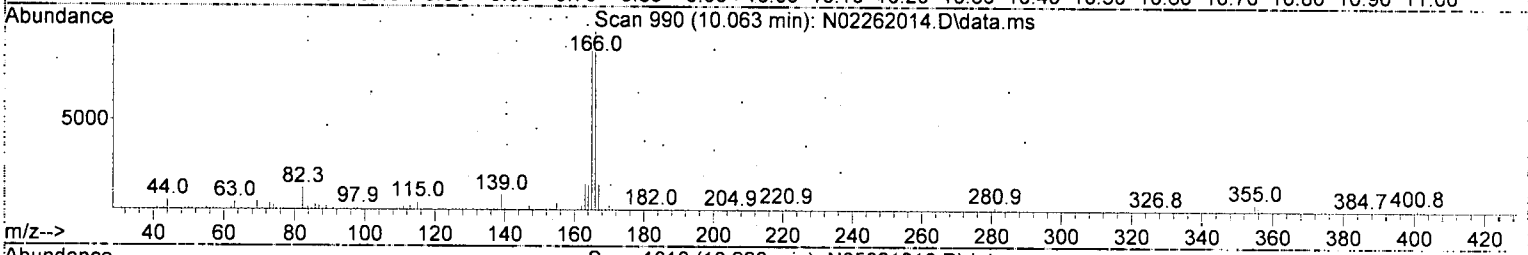
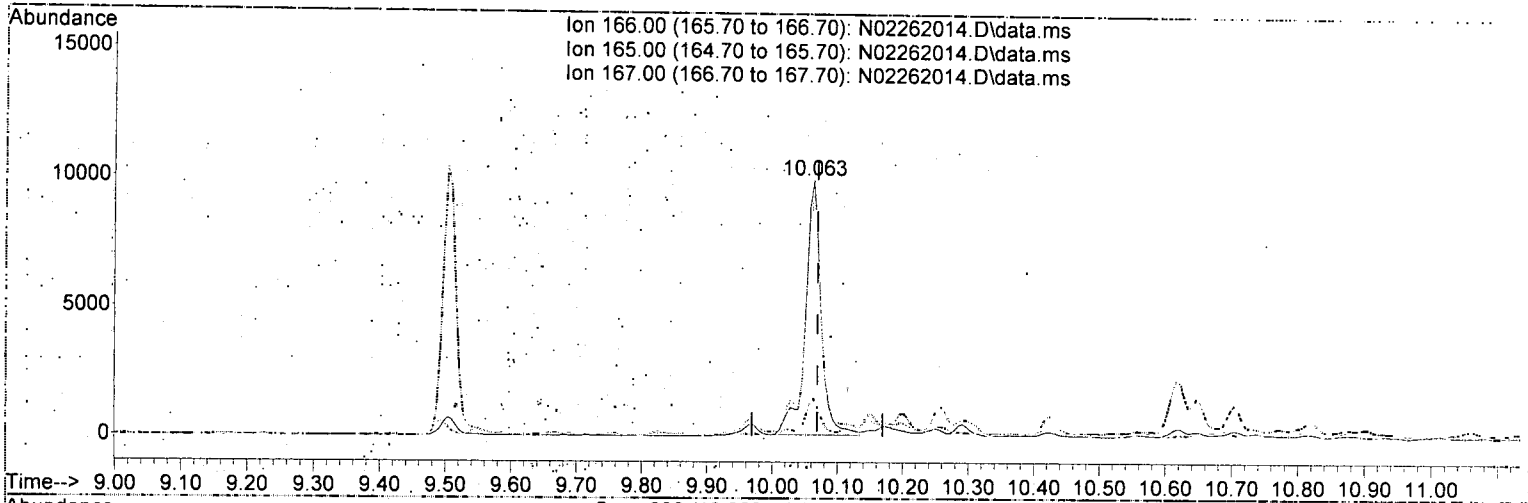
response 16342

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	92.31
152.00	46.80	48.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq.Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(16) Fluorene (T)

10.063min (-0.006) 10.38 ng/ml

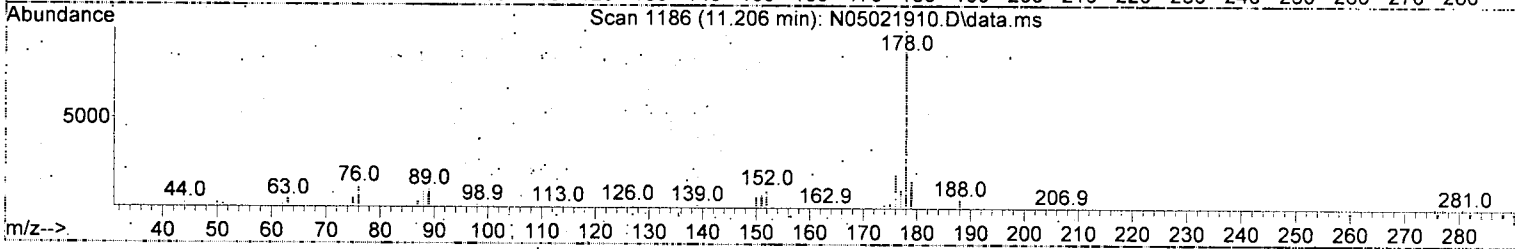
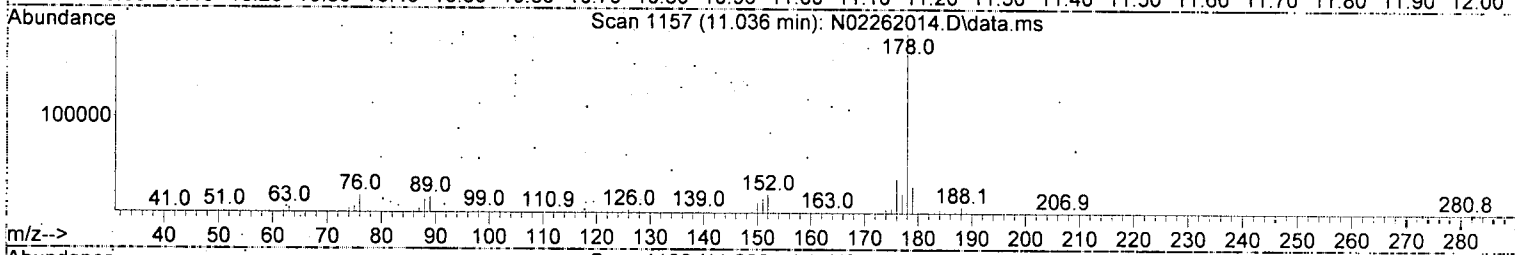
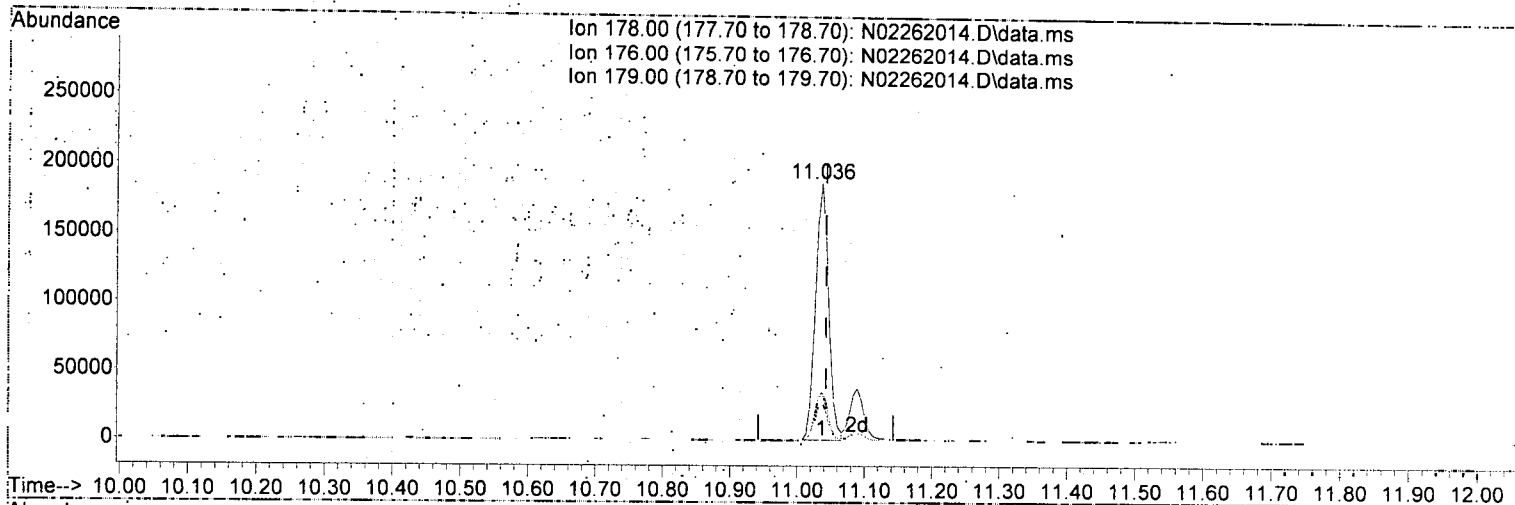
response 16831

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	94.17
167.00	13.60	14.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : AOB0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(19) Phenanthrene (T)

11.036min (-0.006) 110.42 ng/ml

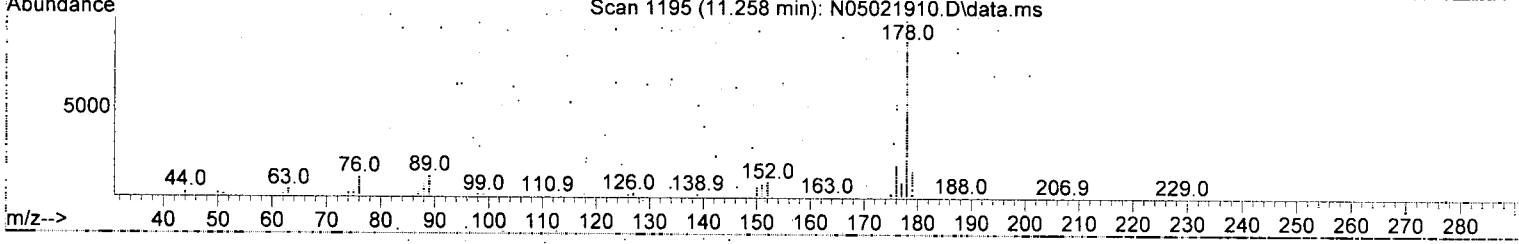
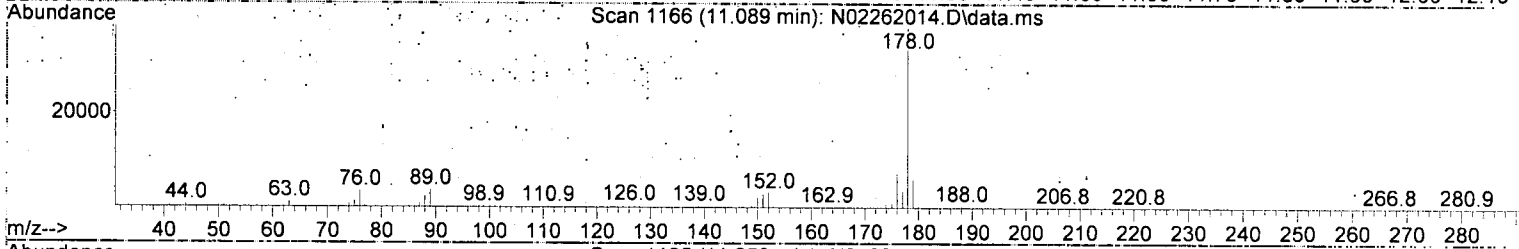
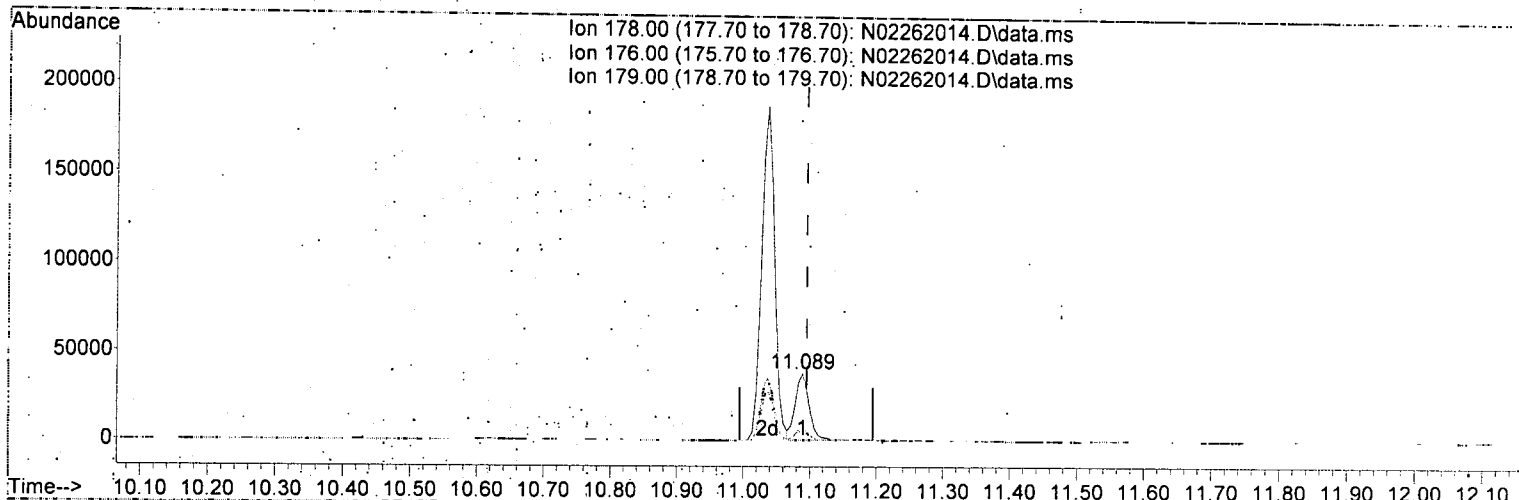
response 254482

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.93
179.00	15.10	15.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(20) Anthracene (T)

11.089min (-0.006) 25.50 ng/ml

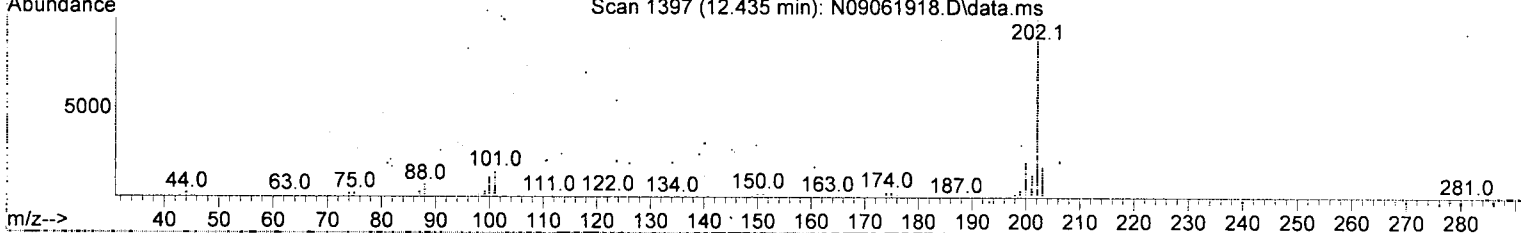
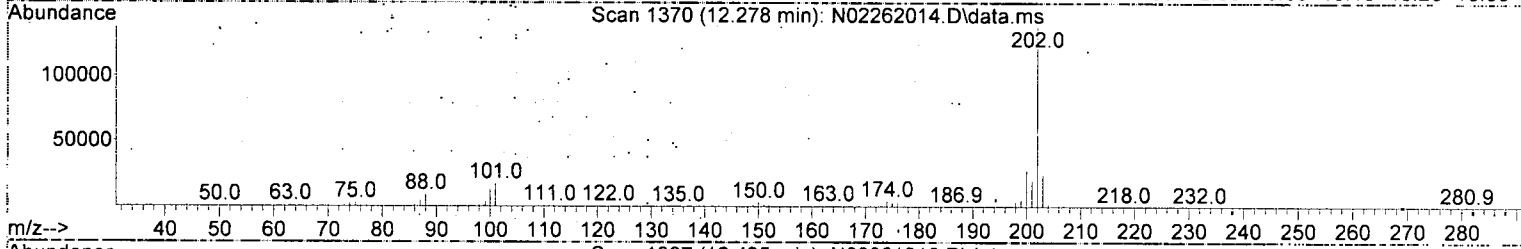
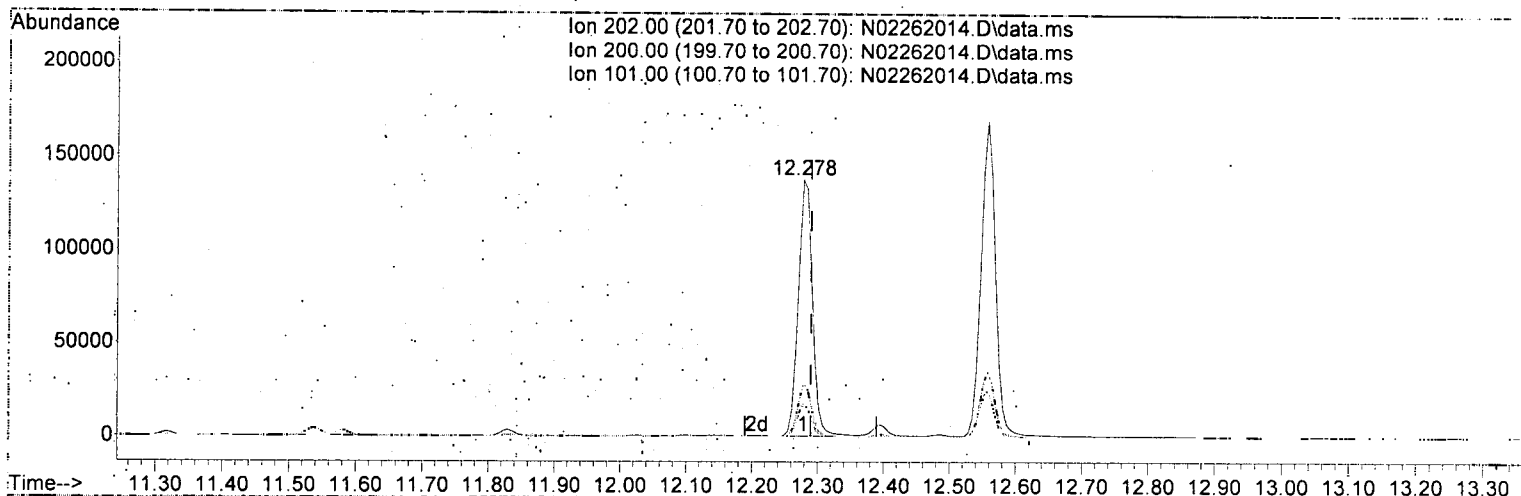
response 54669

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.13
179.00	15.30	15.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

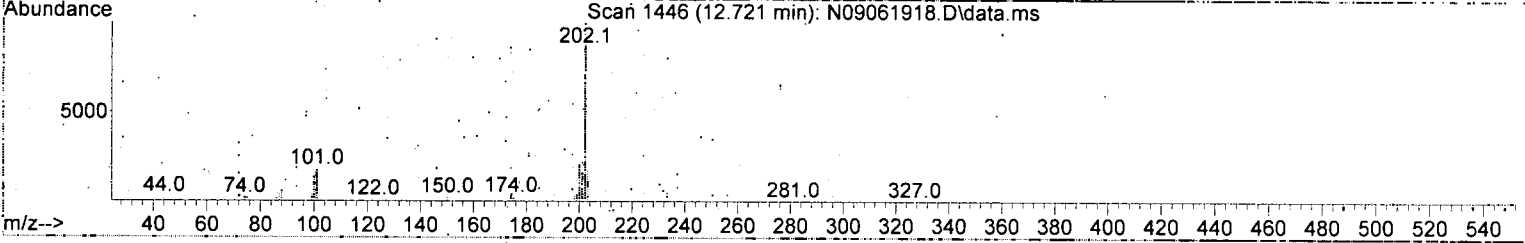
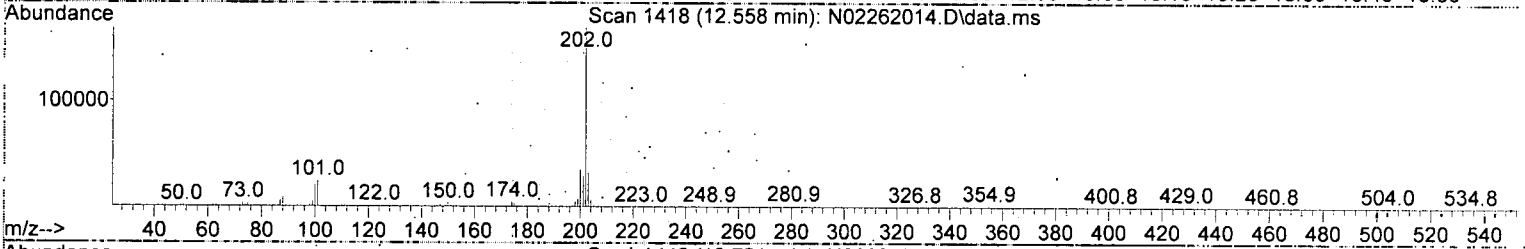
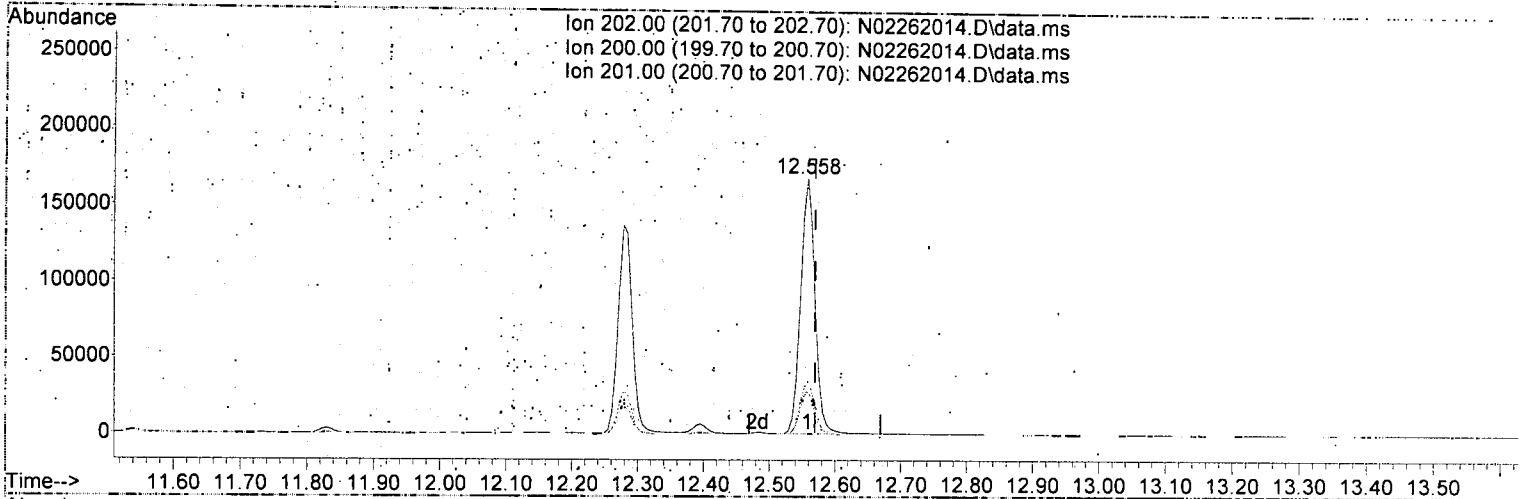
(23) Fluoranthene (T)

12.278min (-0.012)	89.21 ng/ml
response	207143
Ion	Exp% Act%
202.00	100.00 100.00
200.00	19.70 20.05
101.00	15.30 12.62
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(25) Pyrene (T)

12.558min (-0.012) 102.11 ng/ml

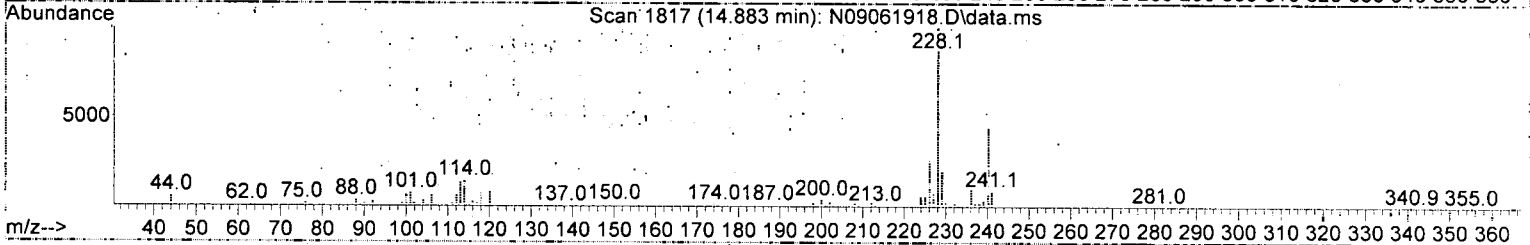
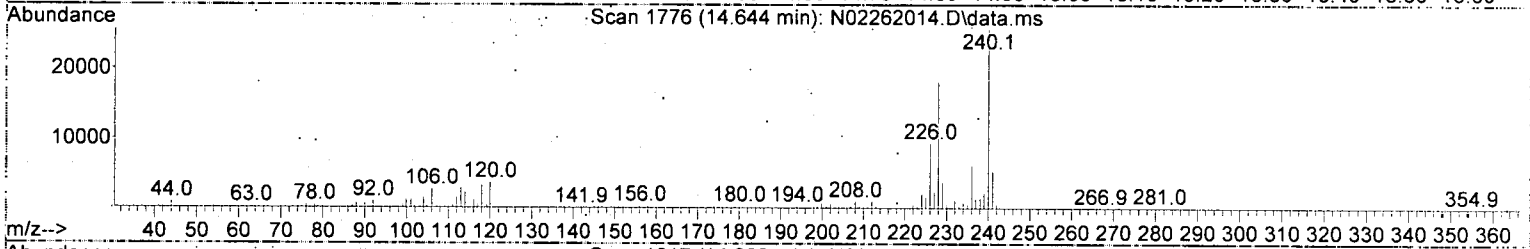
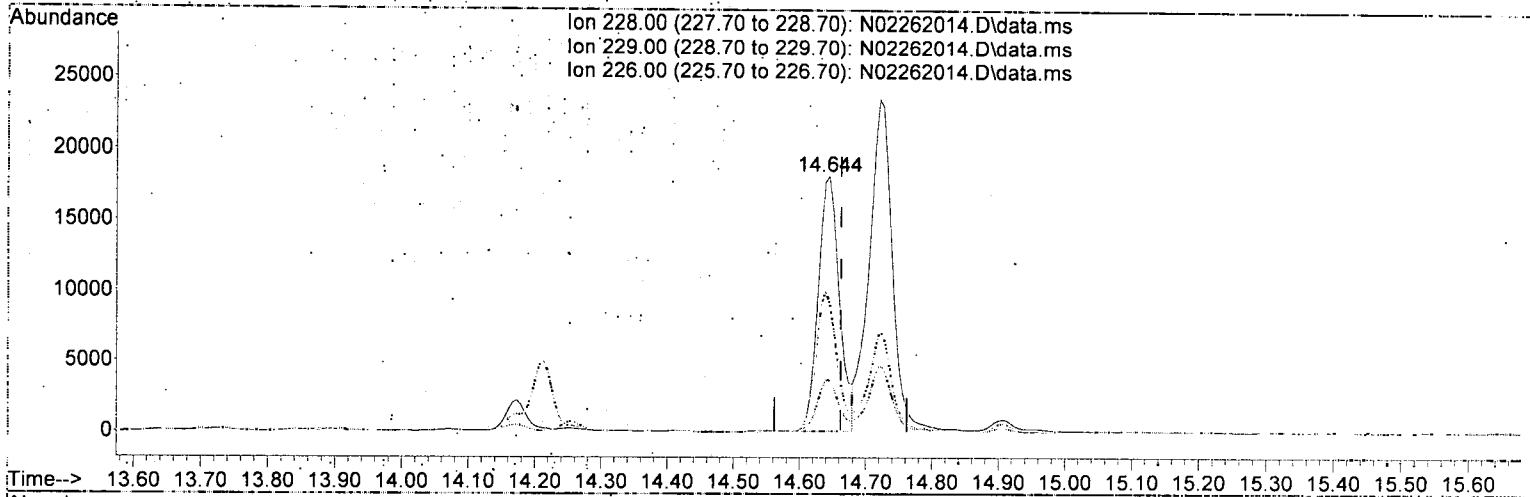
response 256917

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.69
201.00	16.80	16.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



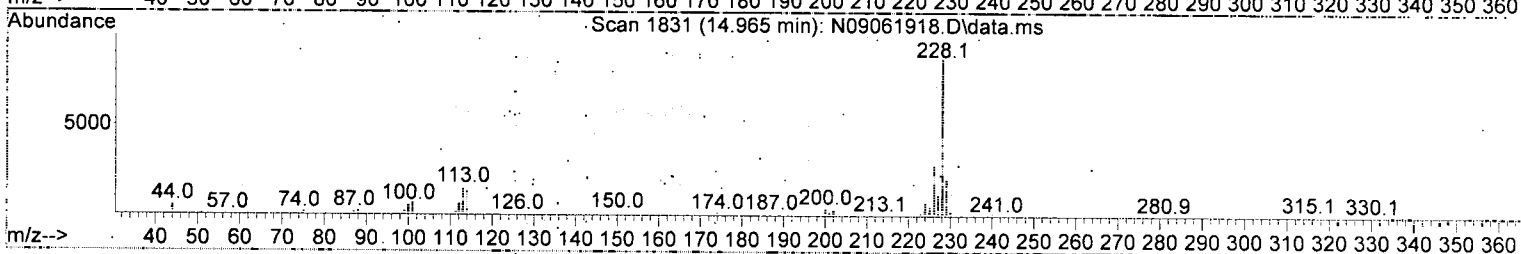
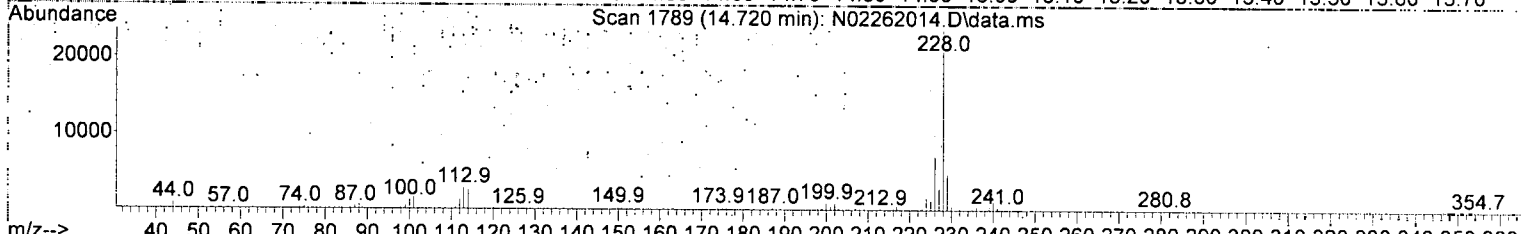
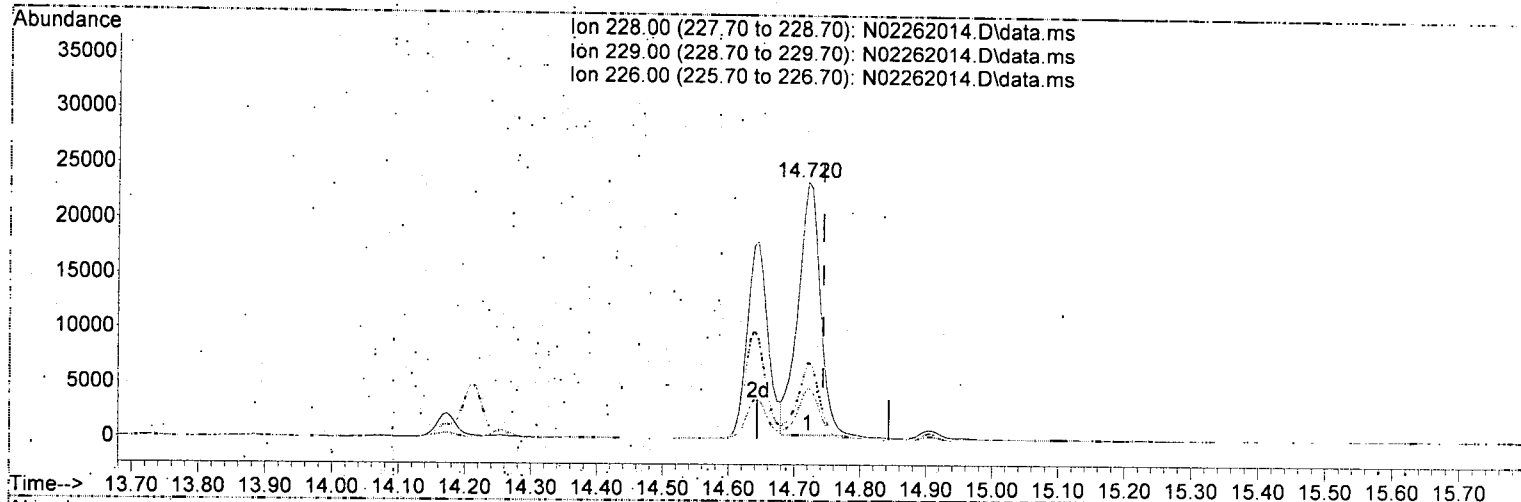
TIC: N02262014.D\data.ms

(27) Benz(a)anthracene (T)		
14.644min (-0.018) 21.49 ng/ml		
response	40190	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.34
226.00	26.20	51.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(28) Chrysene (T)

14.720min (-0.023) 30.84 ng/ml

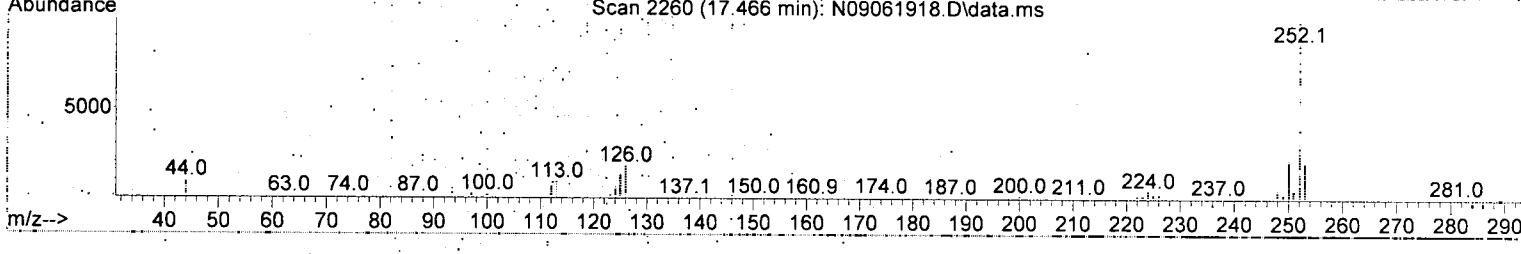
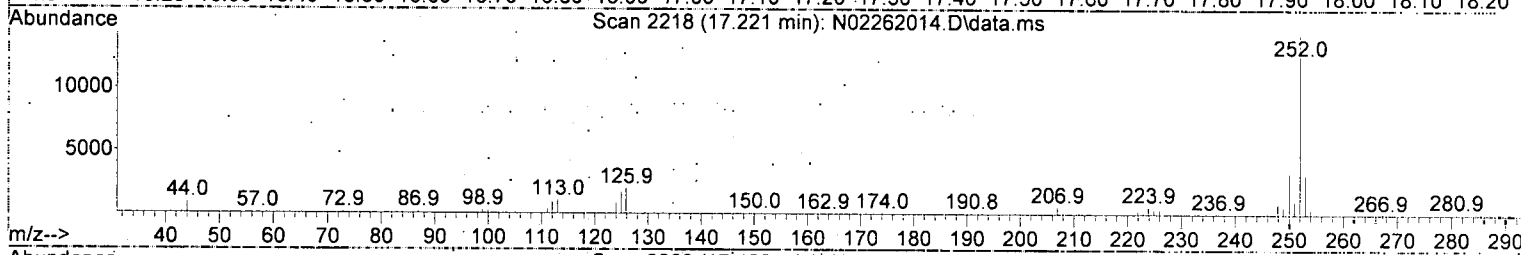
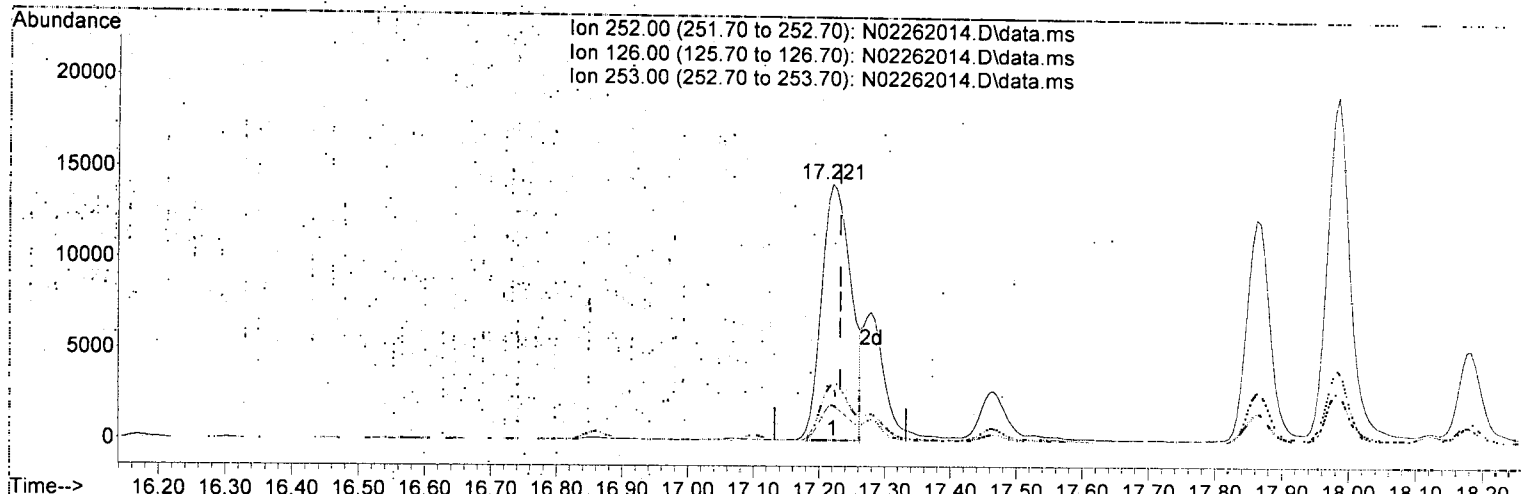
response 54577

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	19.95
226.00	28.60	29.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(30) Benzo(b)fluoranthene (T)

17.221min (-0.012) 24.62 ng/ml

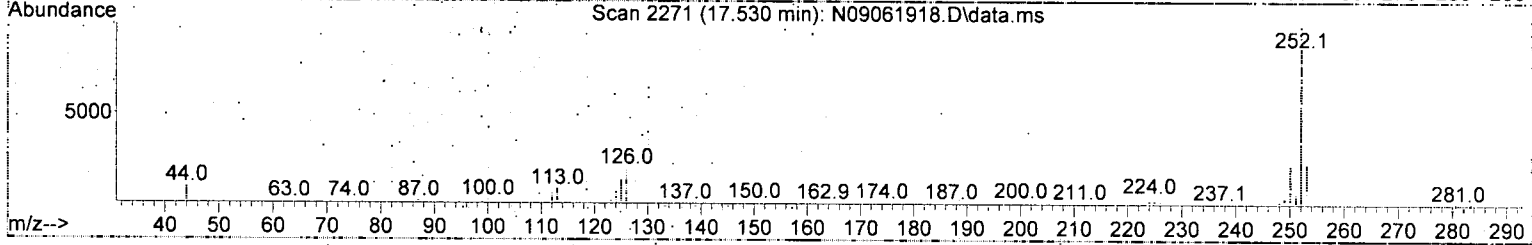
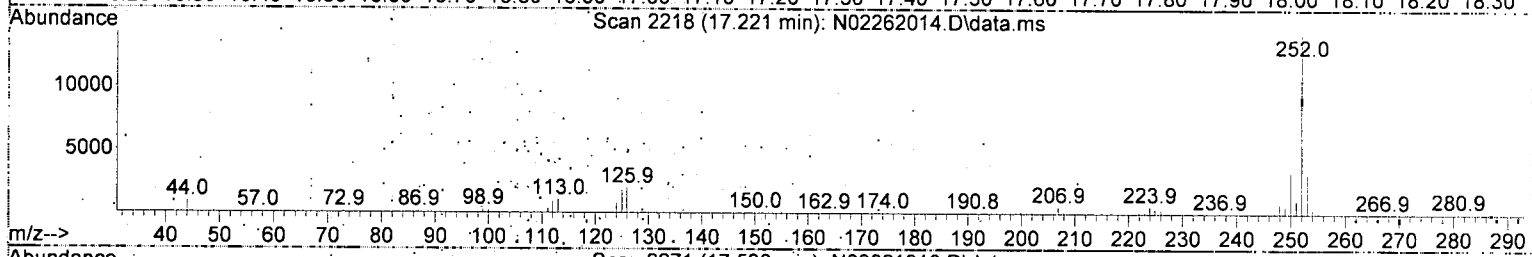
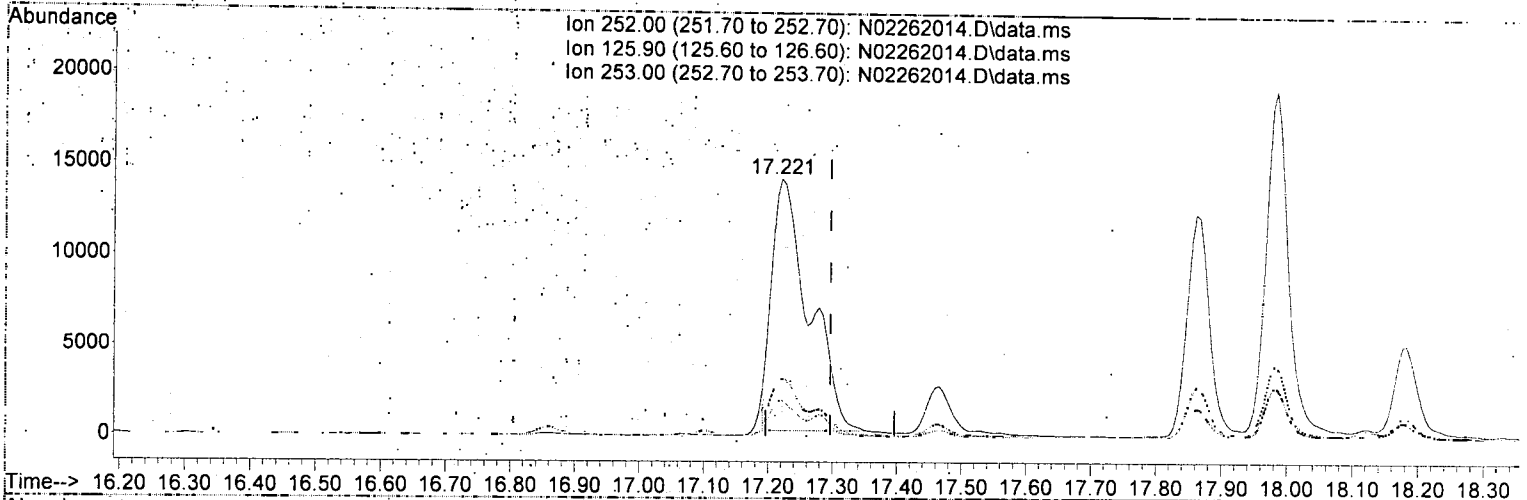
response 44262

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	13.98
253.00	21.10	22.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58:2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.98
253.00	21.50	22.19
0.00	0.00	0.00

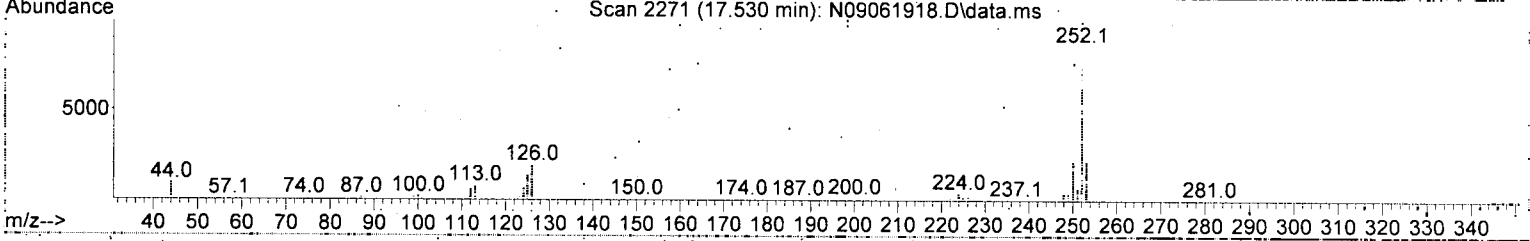
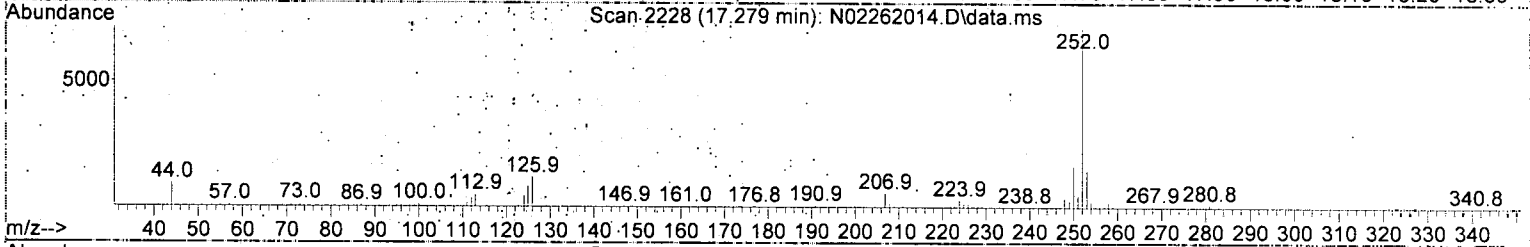
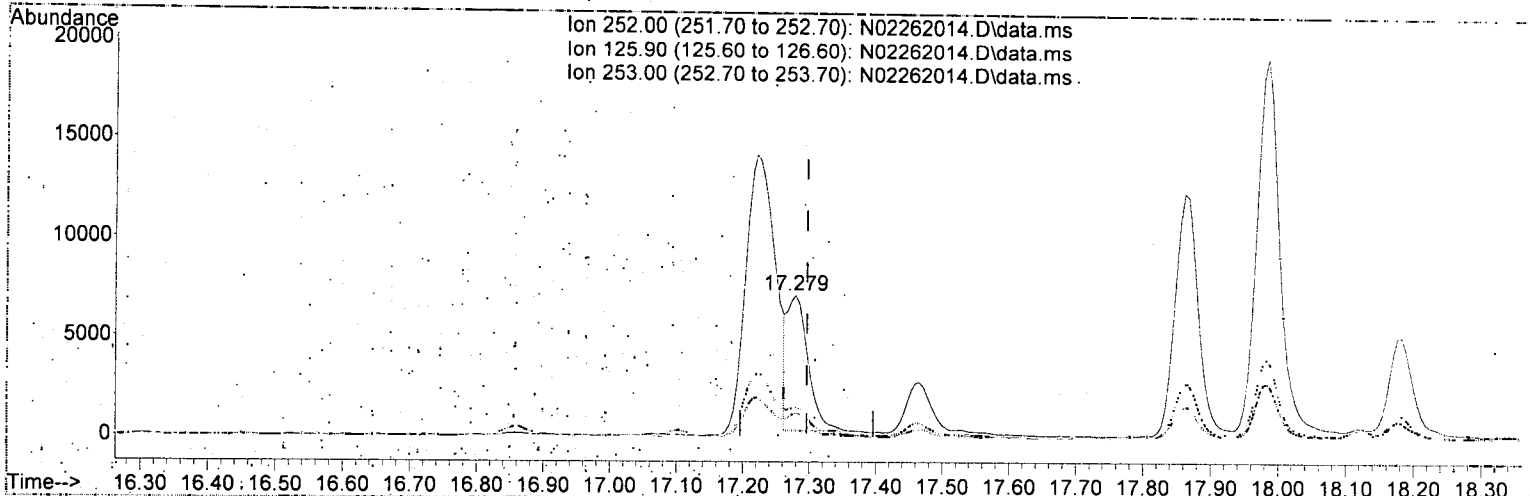
(31) Benzo(k)fluoranthene (T)
 17.221min (-0.076) 31.64 ng/ml
 response 56000

MT

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.018) 8.42 ng/ml *MOS*

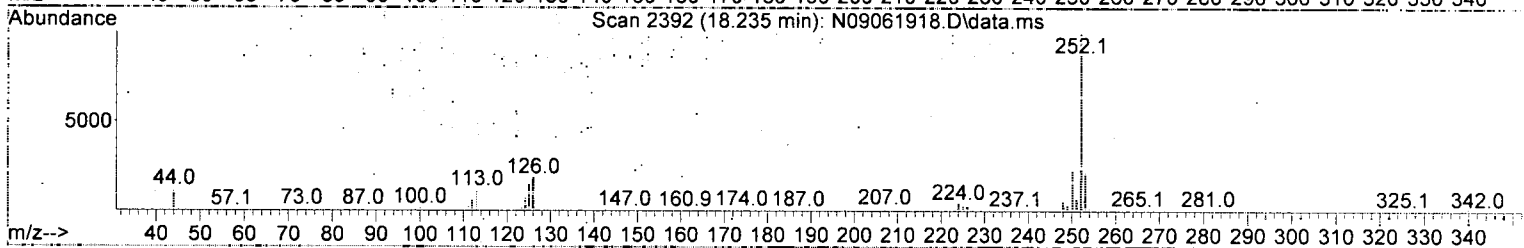
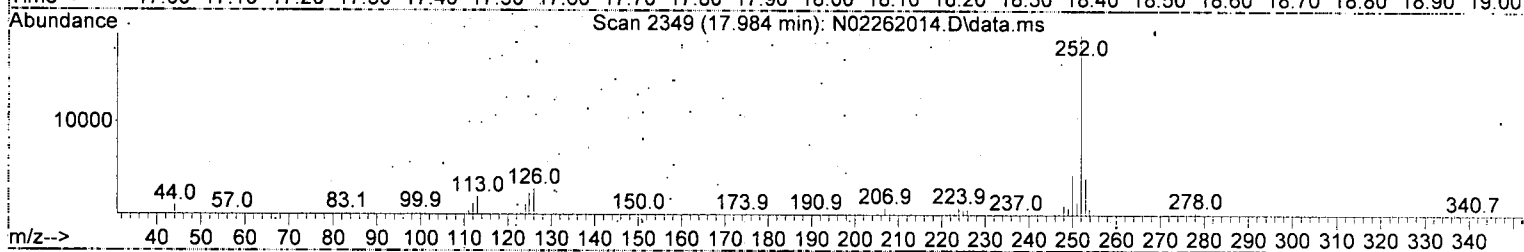
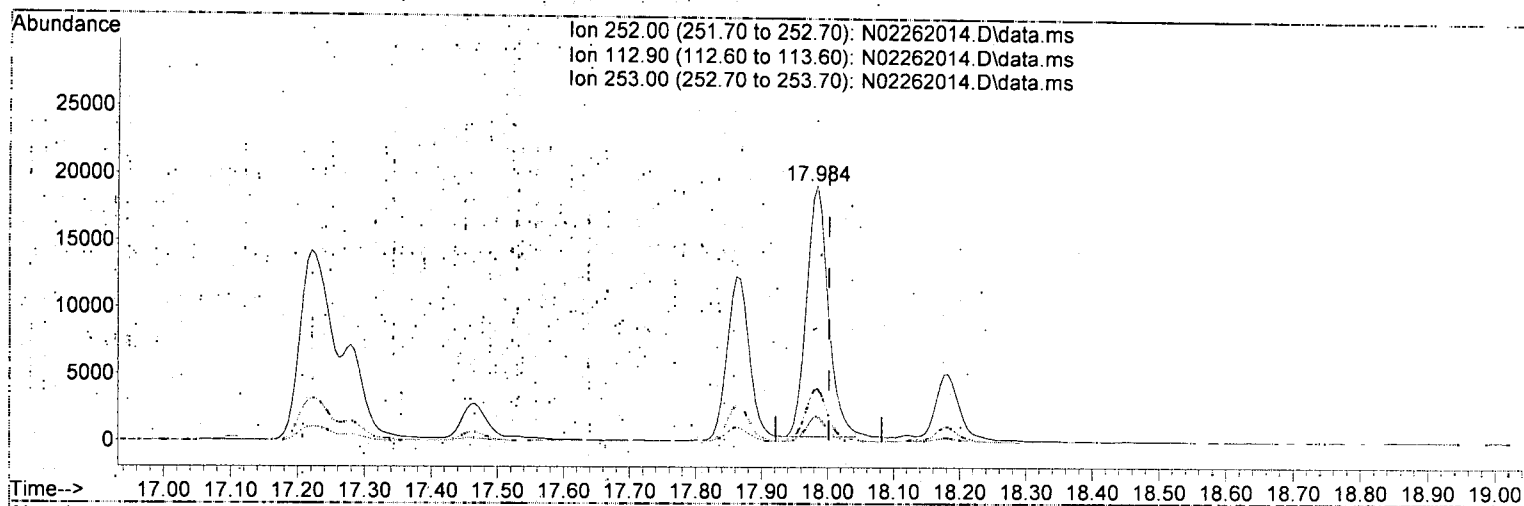
response 14899 *JH 2/26/20*

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	16.71
253.00	21.50	20.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(35) Benzo(a)pyrene (T)

17.984min (-0.018) 28.21 ng/ml

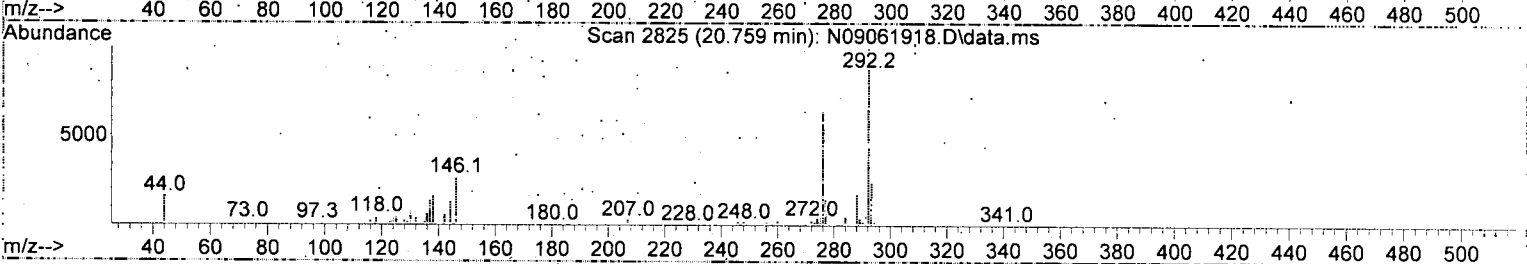
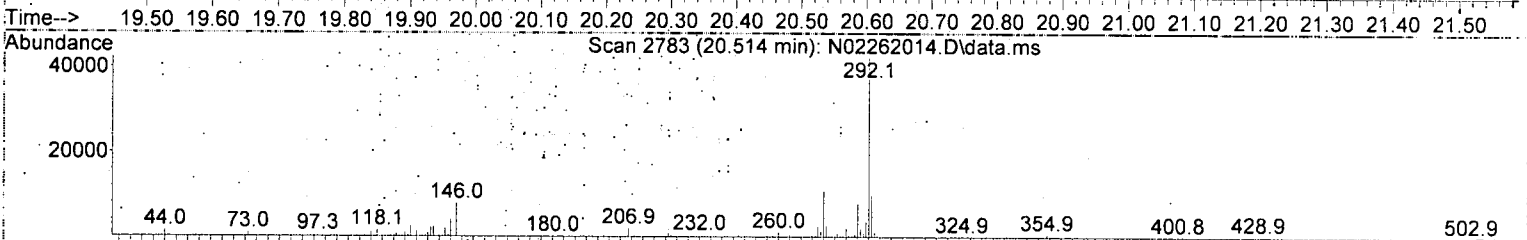
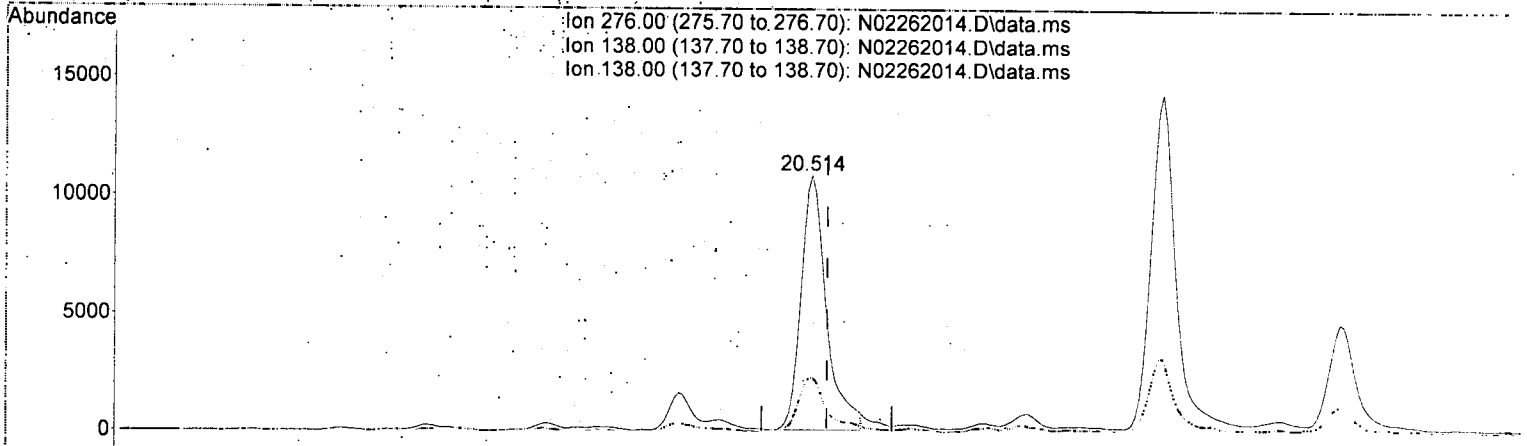
response 43416

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.94
253.00	21.90	20.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

20.514min (-0.023) 19.42 ng/ml

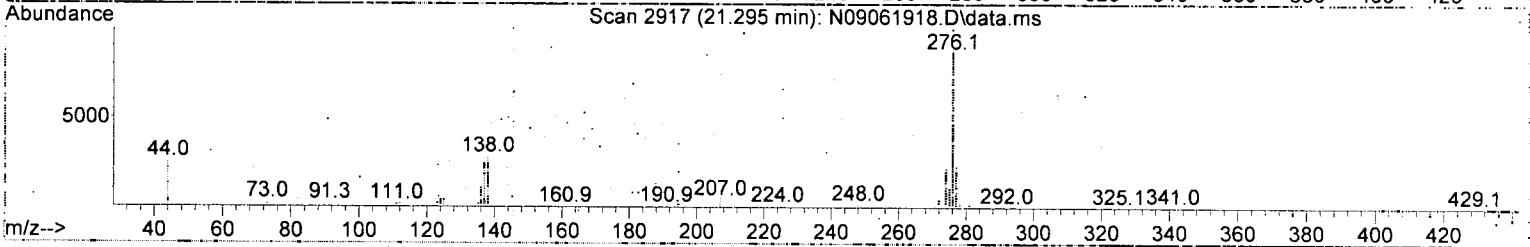
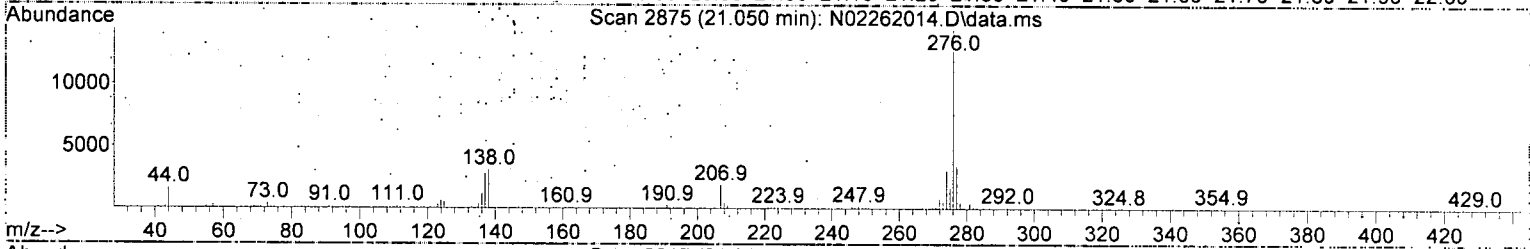
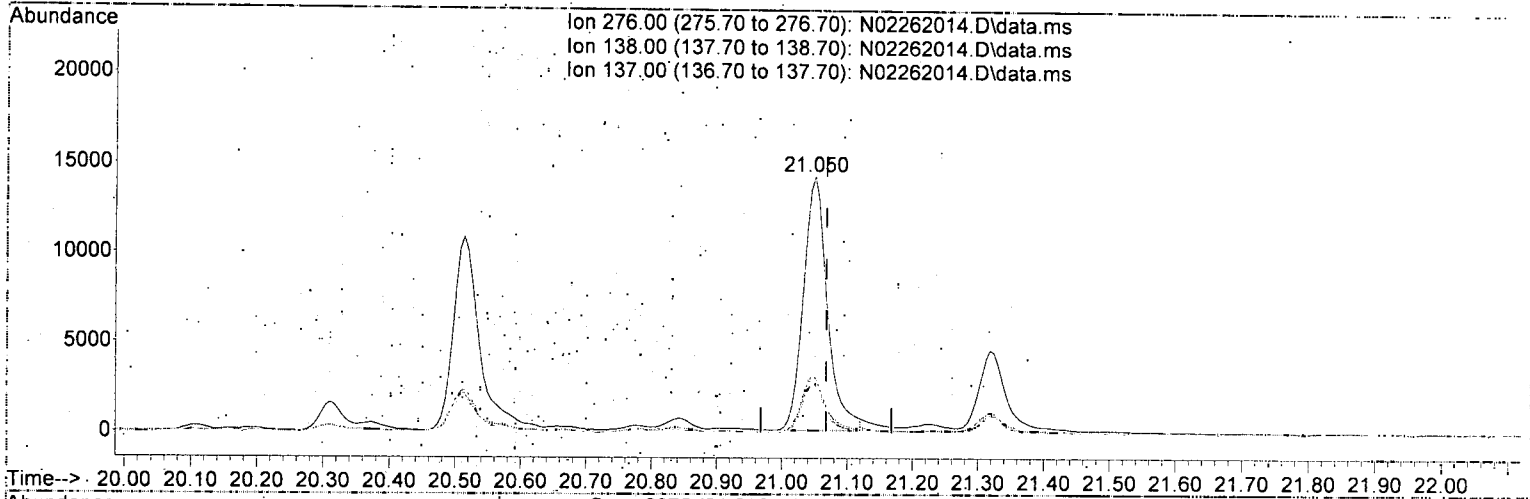
response 29360

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	21.31
138.00	31.60	21.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262014.D\data.ms

(40) Benzo(g,h,i)perylene (T)

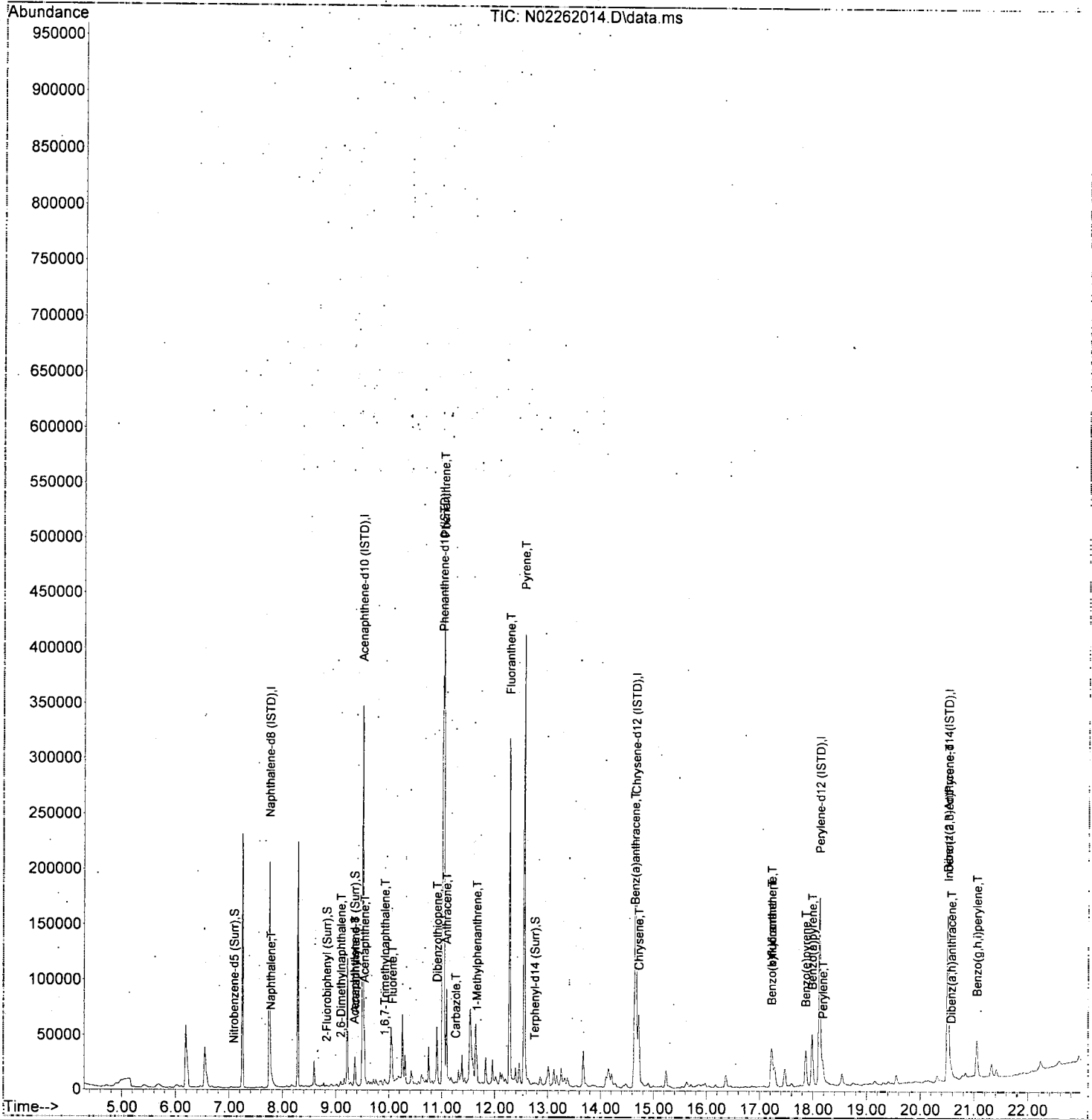
21.050min (-0.018) 22.56 ng/ml

response 36188

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	21.76
137.00	18.60	19.48
0.00	0.00	0.00

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262014.D
 Acq On : 26 Feb 2020 04:41 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-01@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVII14_BNA_ACQ.M

Quant Time: Feb 26 17:12:58 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262015.D
 Acq On : 26 Feb 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-DUP1@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:40:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

DTH 2/26/20 MOS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	163546	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.509	162	109835	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.013	188	188151	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	150183	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	143956	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	110482	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.102	82	140	0.26	ng/ml	0.03	
10) 2-Fluorobiphenyl (Surr)	8.827	172	634	0.39	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	5918	1.24	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	753	0.48	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...)	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.778	128	42237	23.42	ng/ml		99
5) 2-Methylnaphthalene	8.466	142	2496	1.63	ng/ml		92
6) 1-Methylnaphthalene	8.559	142	1343	0.88	ng/ml		96
7) 1,1'-Biphenyl	8.926	154	1604	0.78	ng/ml		88
8) 2,6-Dimethylnaphthalene	9.095	156	2517	1.68	ng/ml		95
12) Acenaphthylene	9.364	152	17305	7.26	ng/ml		97
13) Acenaphthene	9.538	153	20063	12.85	ng/ml		99
14) Dibenzofuran	9.719	168	1157	0.59	ng/ml		80
15) 1,6,7-Trimethylnaphtha...	9.923	170	1507	1.15	ng/ml		81
16) Fluorene	10.063	166	19224	12.03	ng/ml		98
18) Dibenzothiopene	10.908	184	33472	17.01	ng/ml		97
19) Phenanthrene	11.036	178	273519	124.23	ng/ml		100
20) Anthracene	11.089	178	48260	23.57	ng/ml		100
21) Carbazole	11.264	167	1042	0.63	ng/ml		85
22) 1-Methylphenanthrene	11.660	192	16618	10.87	ng/ml		91
23) Fluoranthene	12.284	202	222695	100.39	ng/ml		96
25) Pyrene	12.558	202	278465	118.68	ng/ml		99
27) Benz(a)anthracene	14.644	228	40281	23.10	ng/ml		68
28) Chrysene	14.726	228	48409	29.34	ng/ml		97
30) Benzo(b)fluoranthene	17.221	252	44270	26.65	ng/ml		92
31) Benzo(k)fluoranthene	17.221	252	57297	35.03	ng/ml		90
32) Benzo(b+k)fluoranthene	17.221	252	63730	37.51	ng/ml		90
34) Benzo(e)pyrene	17.868	252	30657	18.25	ng/ml		98
35) Benzo(a)pyrene	17.984	252	43677	30.72	ng/ml		97
36) Perylene	18.182	252	14222	8.12	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.514	276	29427	21.60	ng/ml		82
39) Dibenz(a,h)anthracene	20.572	278	3140	2.45	ng/ml		86
40) Benzo(g,h,i)perylene	21.050	276	36117	24.99	ng/ml		98

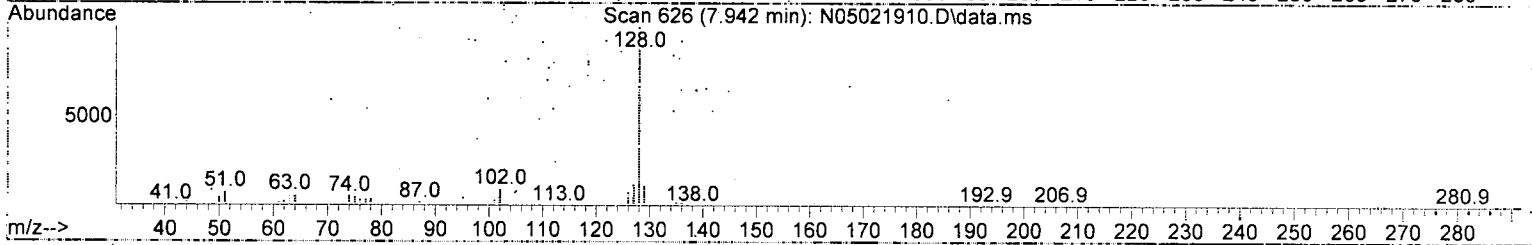
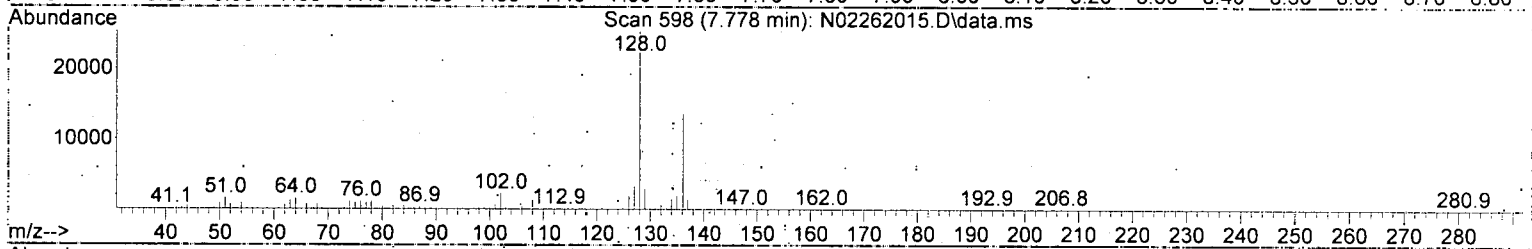
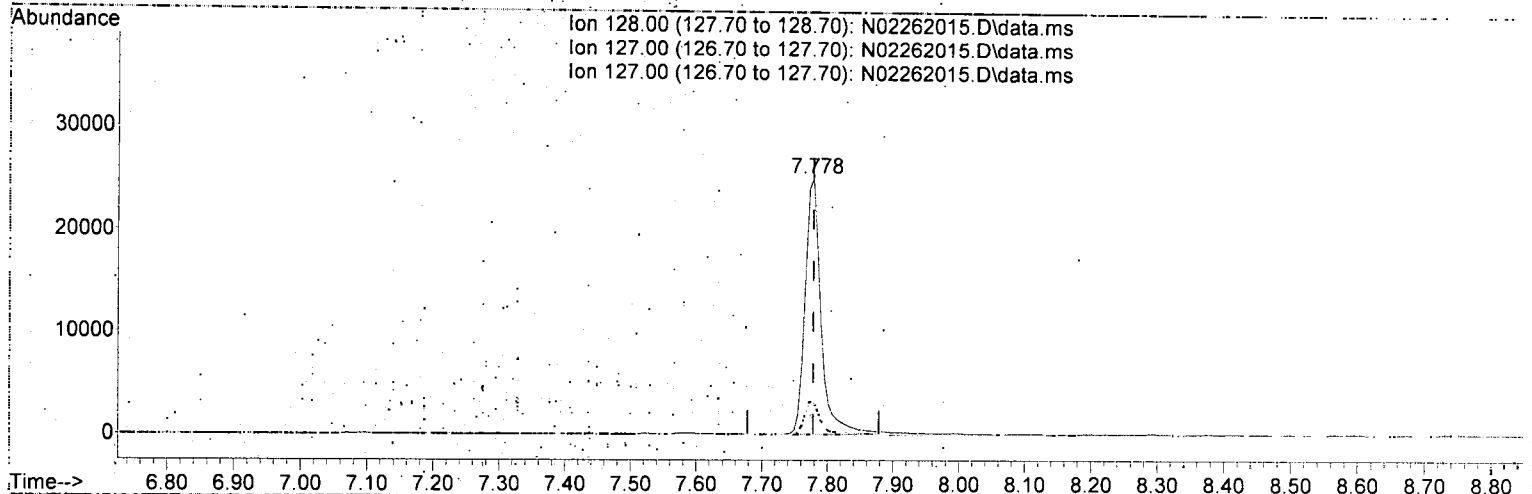
M.I. H. + MOS

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262015.D
 Acq On : 26 Feb 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-DUP1@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:40:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262015.D\data.ms

(4) Naphthalene (T)

7.778min (-0.000) 23.42 ng/ml

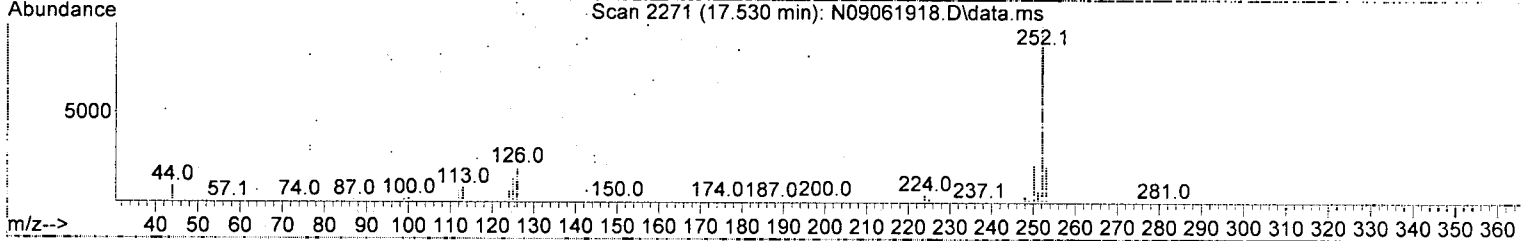
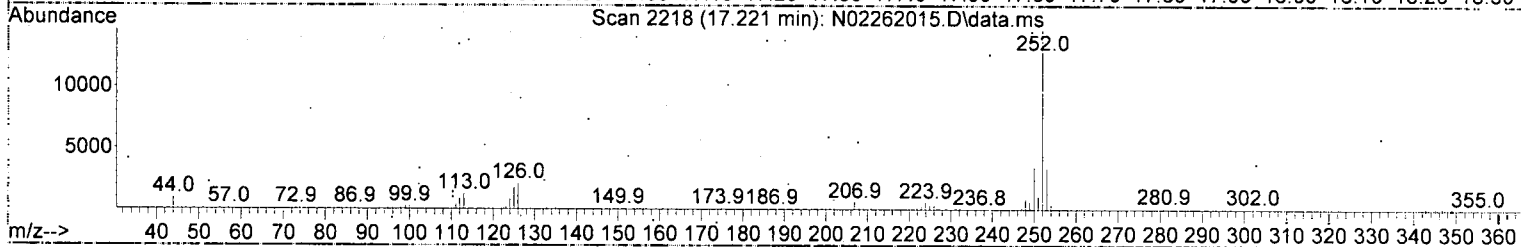
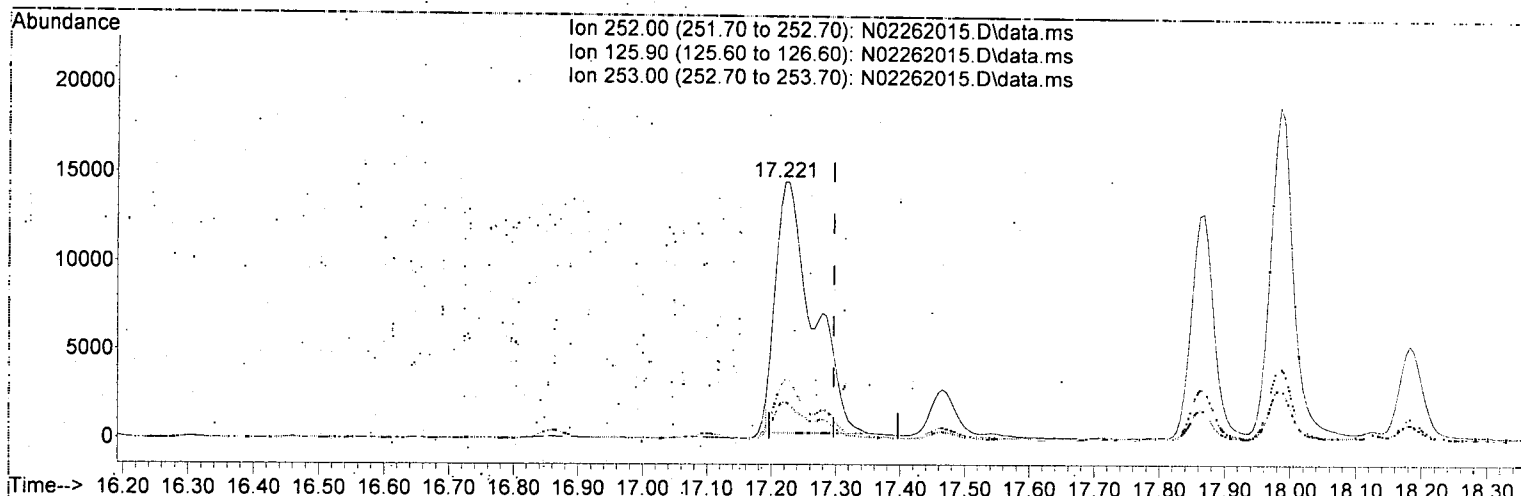
response 42237

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.88
127.00	12.60	12.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262015.D
 Acq On : 26 Feb 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-DUP1@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:40:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262015.D\data.ms

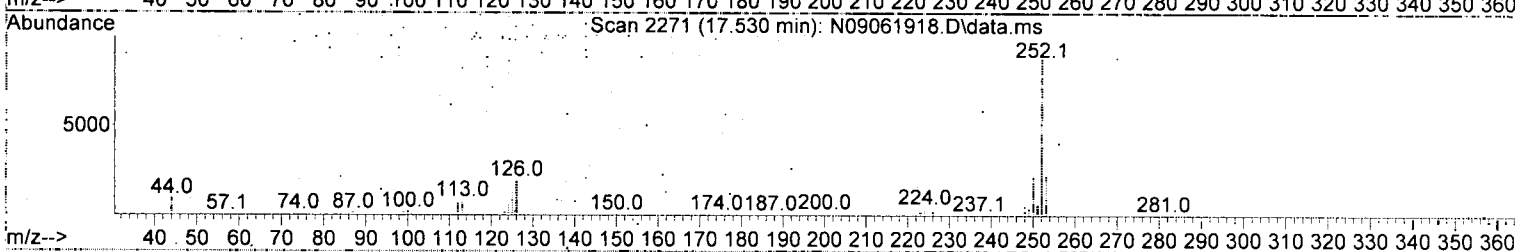
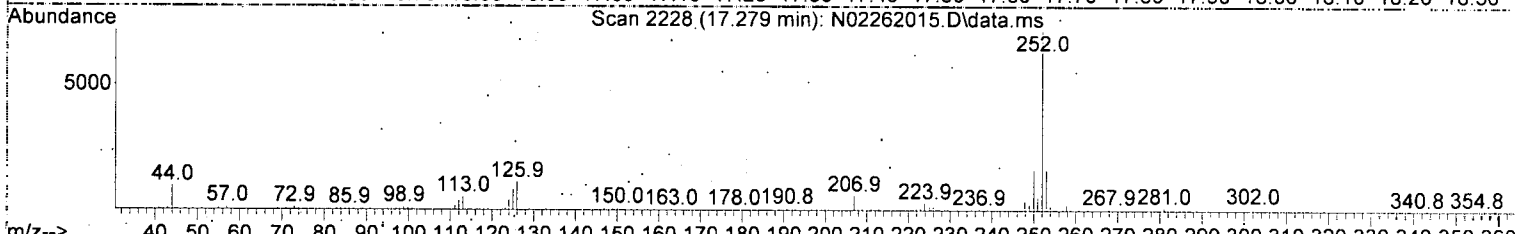
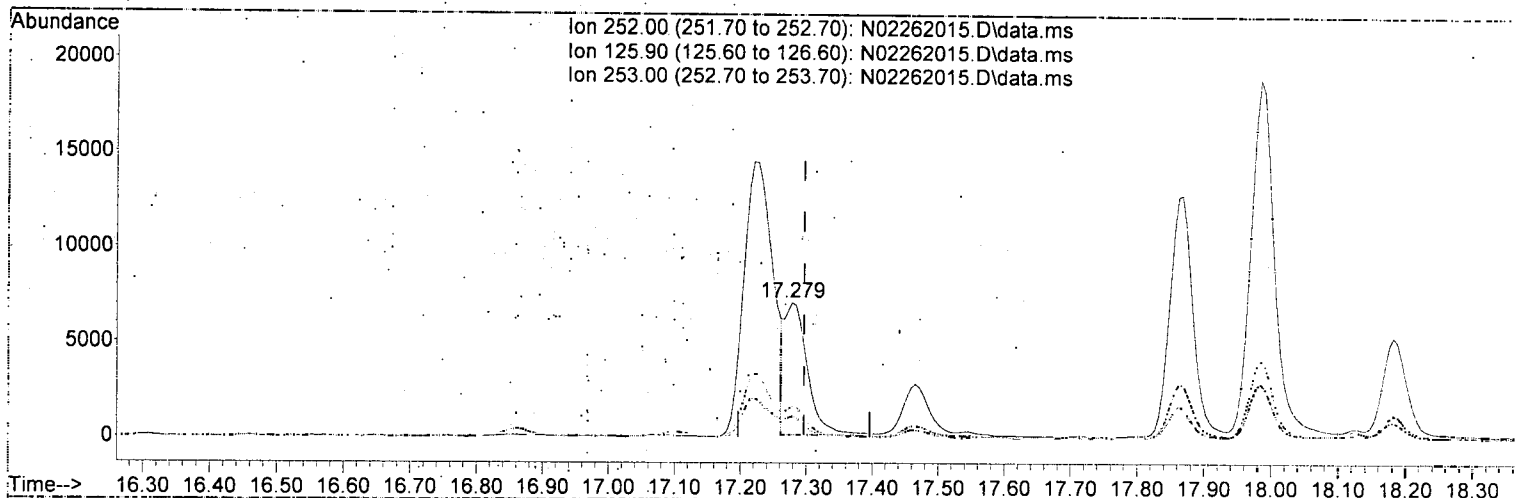
(31) Benzo(k)fluoranthene (T)		
17.221min (-0.076)	35.03	ng/ml
response	57297	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.36
253.00	21.50	23.04
0.00	0.00	0.00

ME

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262015.D
 Acq On : 26 Feb 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-DUP1@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:40:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262015.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.018) 10.26 ng/ml

response 16780

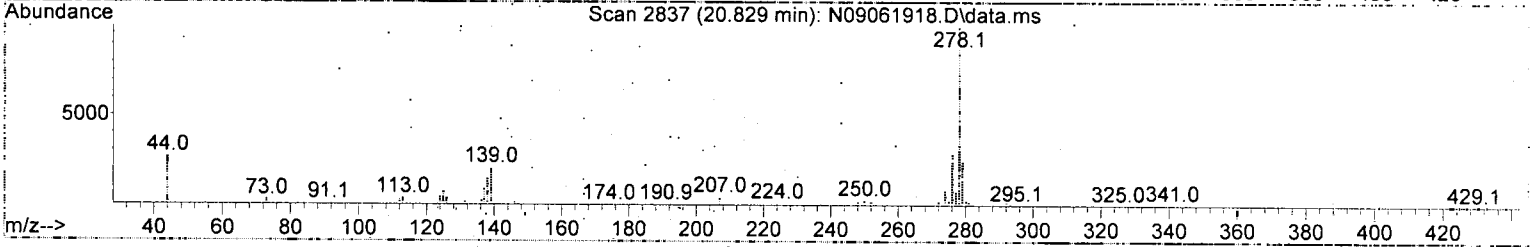
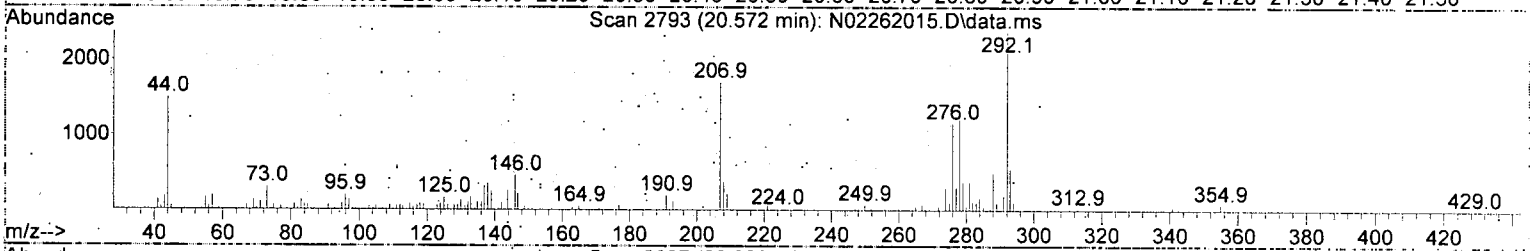
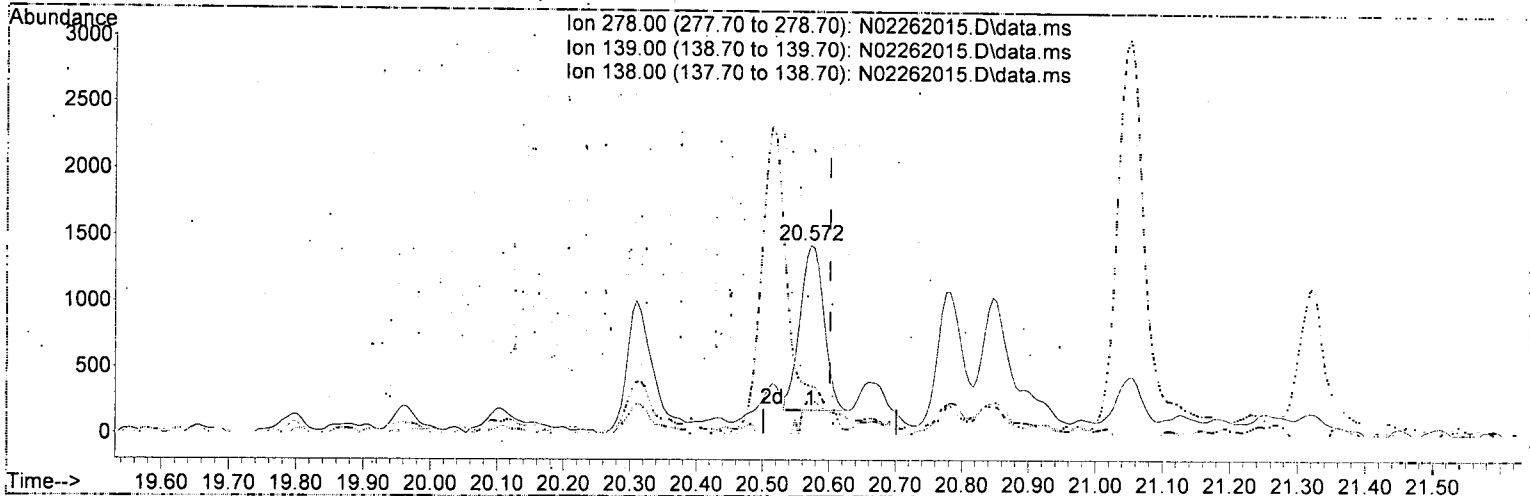
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.37
253.00	21.50	22.61
0.00	0.00	0.00

ms
DTH 2/26/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262015.D
 Acq On : 26 Feb 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-DUP1@200
 Misc : 200x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:40:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262015.D\data.ms

(39) Dibenz(a,h)anthracene (T)

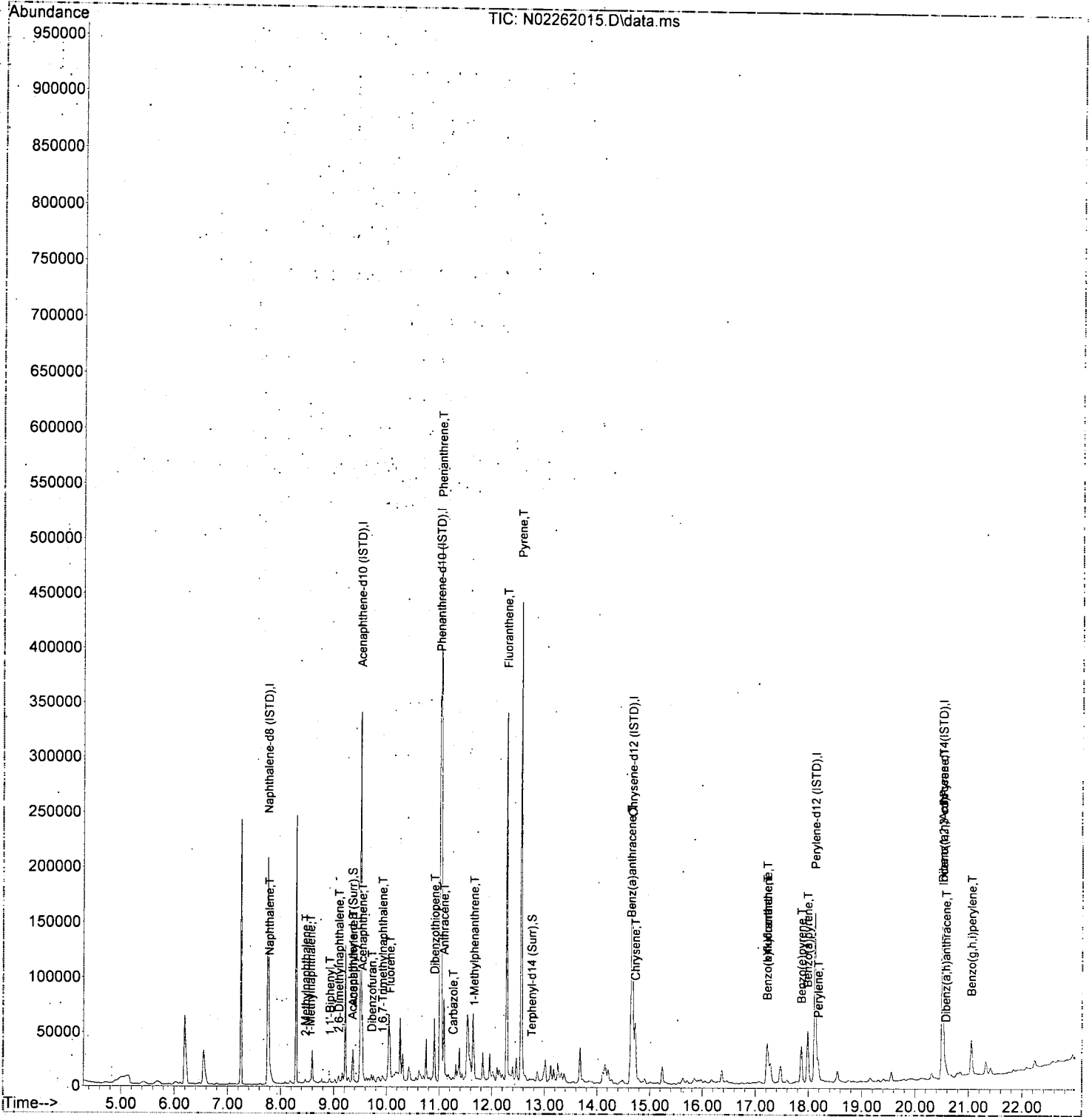
20.572min (-0.029) 2.45 ng/ml

response 3140

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	17.83
138.00	19.90	25.40
0.00	0.00	0.00

Data Path : U:\data\2020-02\0B26029\
Data File : N02262015.D
Acq On : 26 Feb 2020 05:14 pm
Operator : JK/ AMS/ DTH
Sample : 0020795-DUP1@200
Misc : 200x, 8270D LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 26 17:40:24 2020
Quant Method : U:\methods\SV14_090619_PAHR7.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Dec 20 12:46:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

A-01
 Re-extract

AMS
 2/27/20

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

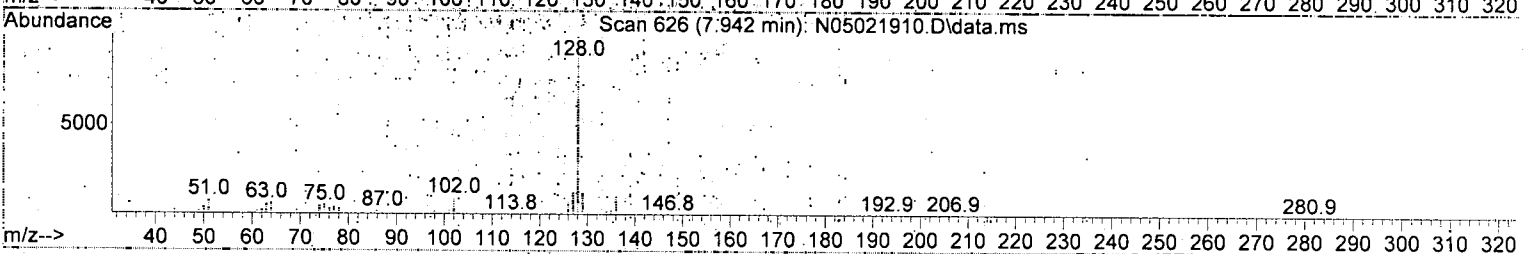
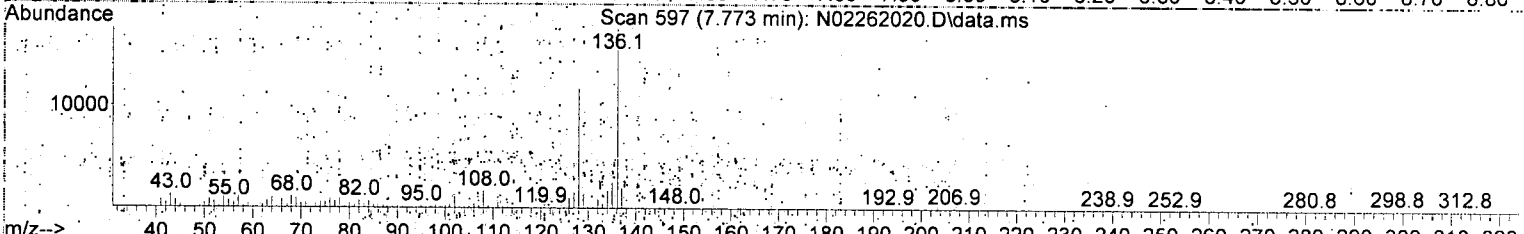
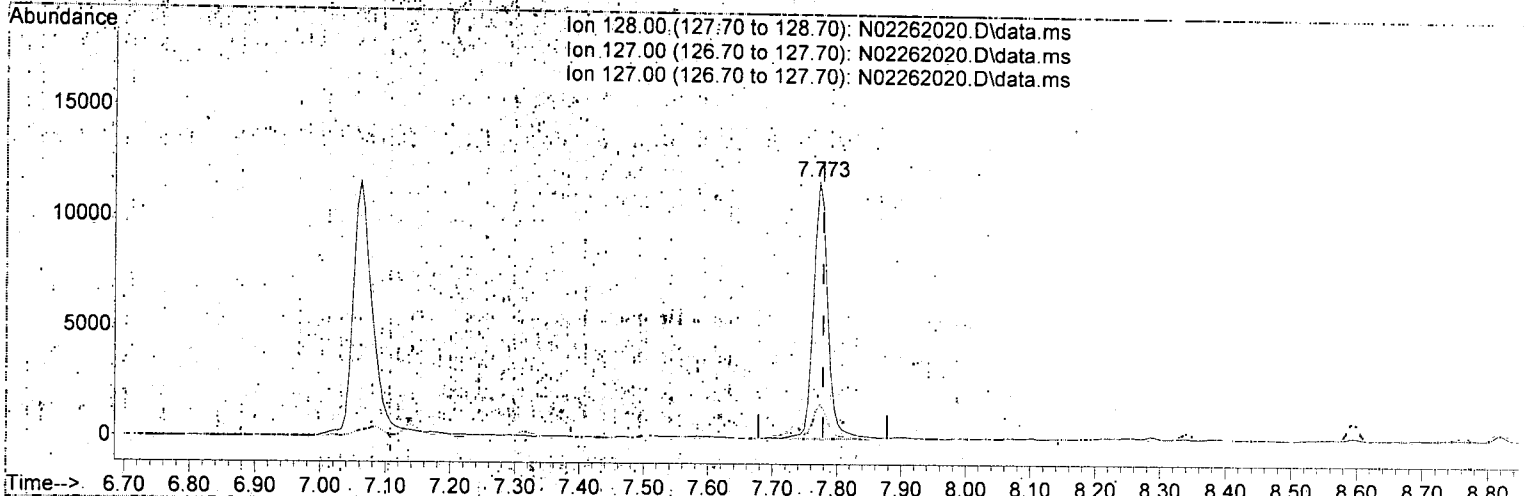
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	178185	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.504	162	115898	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	216401	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	192305	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	181880	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d	20.508	292	150317	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	48901	82.59	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.822	172	153803	88.95	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	3822	0.19	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	186891	92.40	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S)	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.773	128	18280	9.30	ng/ml	99	
5) 2-Methylnaphthalene	8.460	142	3116	1.87	ng/ml	96	
6) 1-Methylnaphthalene	8.559	142	3208	1.93	ng/ml	99	
7) 1,1'-Biphenyl	8.921	154	1842	0.82	ng/ml	79	
8) 2,6-Dimethylnaphthalene	9.090	156	2540	1.55	ng/ml	98	
12) Acenaphthylene	9.364	152	3110	1.24	ng/ml	93	
13) Acenaphthene	9.539	153	26402	16.02	ng/ml	99	
14) Dibenzofuran	9.713	168	1487	0.72	ng/ml	85	
15) 1,6,7-Trimethylnaphtha	9.923	170	1070	0.77	ng/ml#	1	
16) Fluorene	10.057	166	18083	10.72	ng/ml	98	
18) Dibenzothiopene	10.908	184	23179	10.24	ng/ml	98	MI-HIT
19) Phenanthrene	11.037	178	107994	142.65	ng/ml	99	
20) Anthracene	11.089	178	7485	3.18	ng/ml	99	
21) Carbazole	11.258	167	760	N.D.			
22) 1-Methylphenanthrene	11.660	192	5277	3.00	ng/ml	96	
23) Fluoranthene	12.278	202	75129	29.45	ng/ml	97	
25) Pyrene	12.558	202	149202	49.66	ng/ml	99	
27) Benz(a)anthracene	14.644	228	8552	3.83	ng/ml	89	
28) Chrysene	14.720	228	10298	4.87	ng/ml	96	
30) Benzo(b)fluoranthene	17.227	252	5931	2.83	ng/ml	94	
31) Benzo(k)fluoranthene	17.227	252	7510	3.63	ng/ml	92	MI-ND
32) Benzo(b+k)fluoranthene	17.227	252	8841	4.12	ng/ml	92	
34) Benzo(e)pyrene	17.862	252	4254	2.00	ng/ml	96	
35) Benzo(a)pyrene	17.984	252	5547	3.09	ng/ml	94	
36) Perylene	18.182	252	4606	2.08	ng/ml	99	
38) Indeno(1,2,3-cd)Pyrene	20.514	276	3177	1.71	ng/ml	93	
39) Dibenz(a,h)anthracene	20.572	278	411	N.D.			
40) Benzo(g,h,i)perylene	21.050	276	3565	1.81	ng/ml	83	

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D.LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(4) Naphthalene (T)

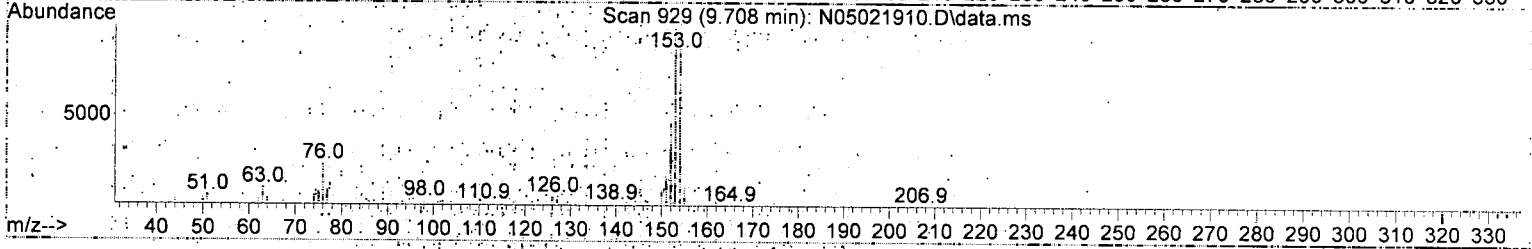
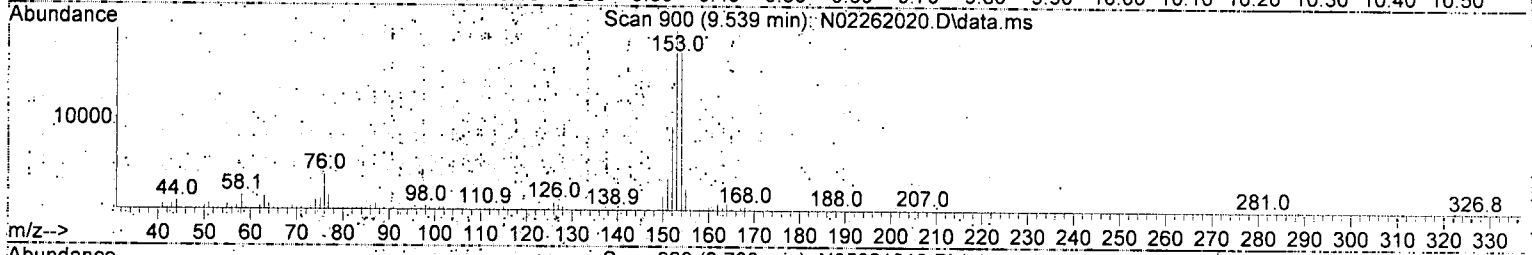
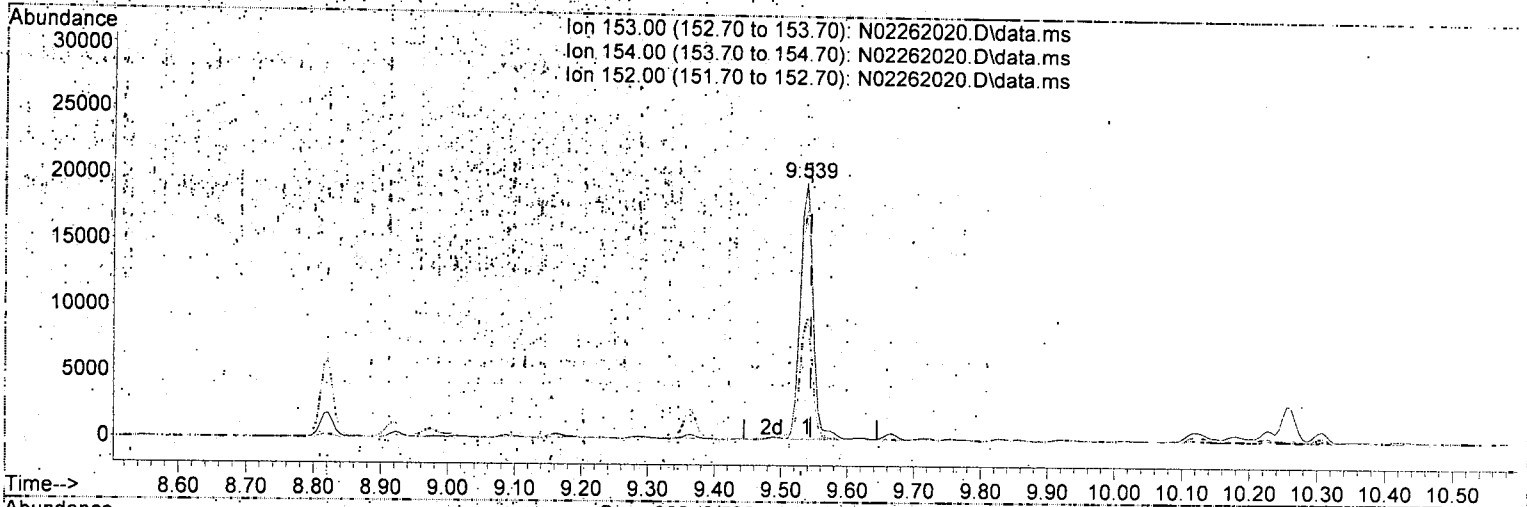
7.773min (-0.006) 9.30 ng/ml

response	18280
Ion	Exp% Act%
128.00	100.00 100.00
127.00	12.60 13.15
127.00	12.60 13.15
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(13) Acenaphthene (T)

9.539min (-0.006) 16.02 ng/ml

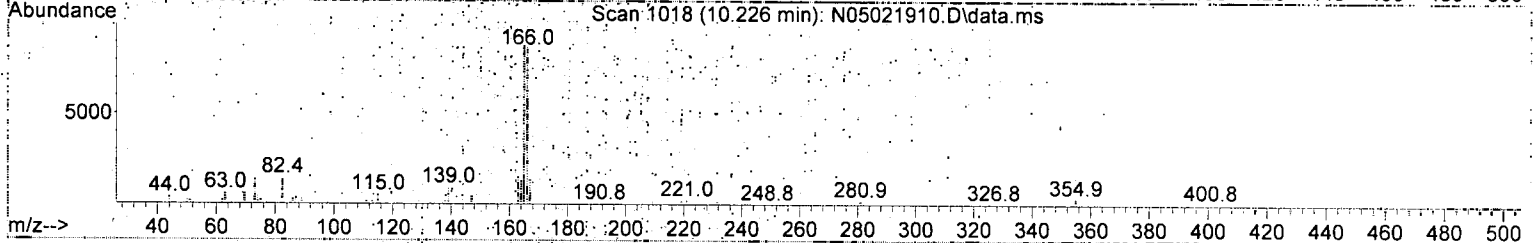
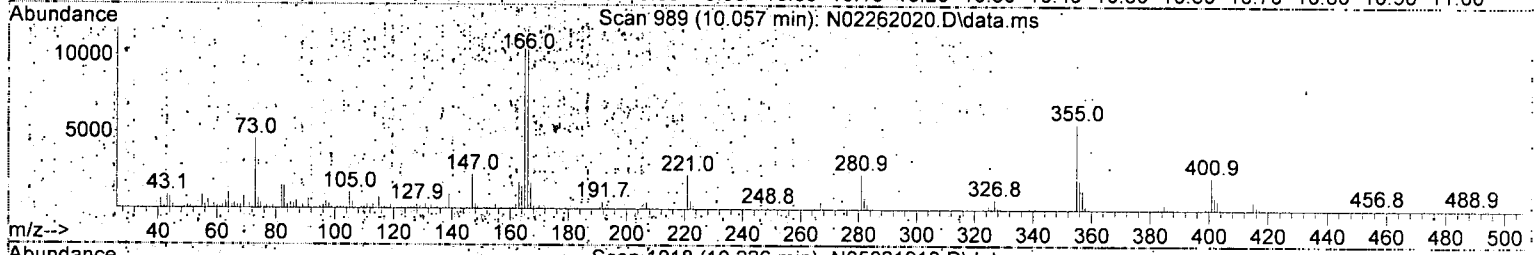
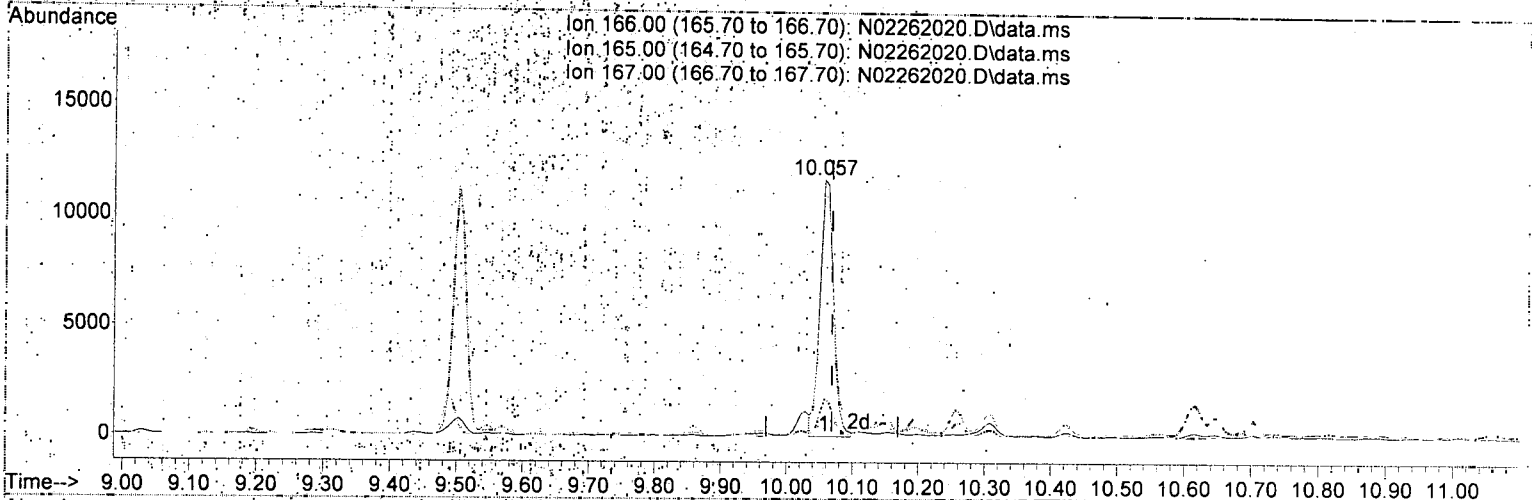
response 26402

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	89.33
152.00	46.80	47.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method: U:\methods\SV14_090619_PAHR7.M
 Quant Title: EPA 8270D Semivolatile Organics
 QLast Update: Fri Dec 20 12:46:03 2019
 Response via: Initial Calibration
 InstName: SV-GCMS14



TIC: N02262020.D\data.ms

(16) Fluorene (T)

10.057min (-0.012) 10.02 ng/ml m

response 16902

Ion Exp% Act%

166.00 100.00 100.00

165.00 95.70 93.69

167.00 13.60 14.48

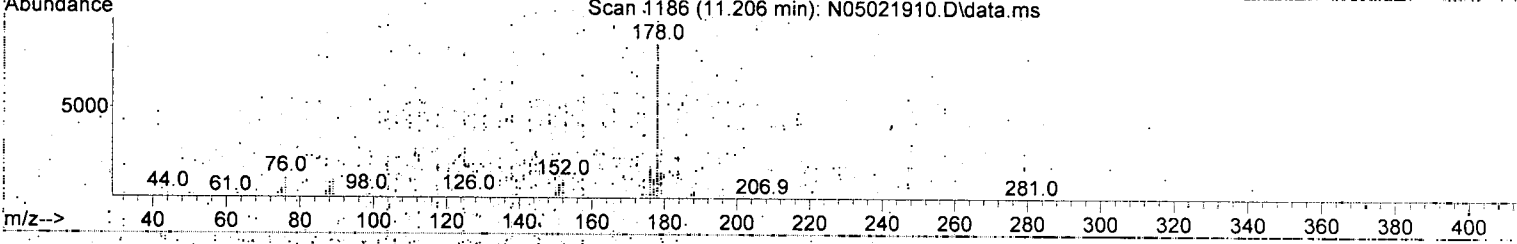
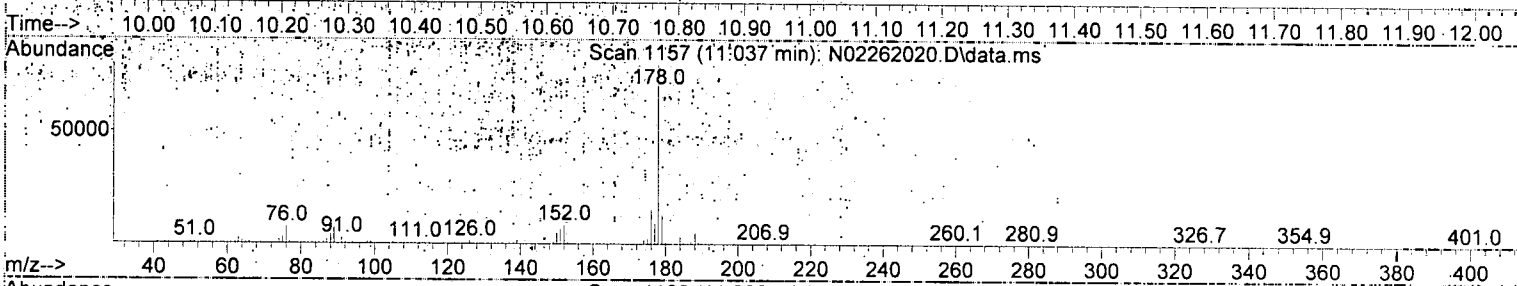
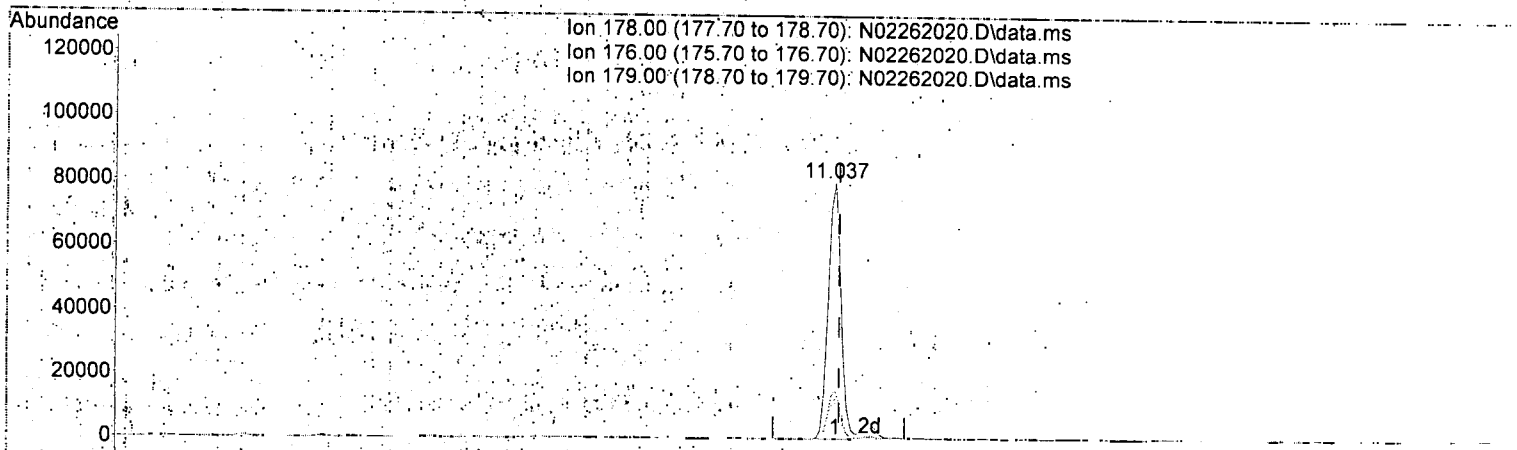
0.00 0.00 0.00

AMS
2/27/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D:LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant. Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(19) Phenanthrene (T)

11.037min (-0.006) 42.65 ng/ml

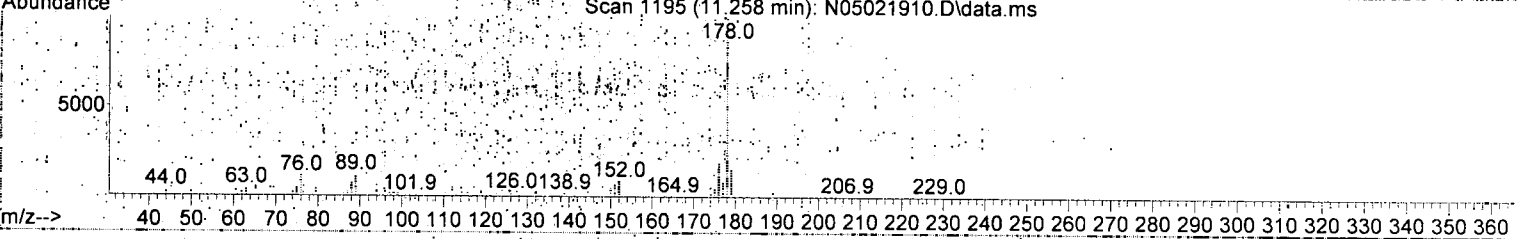
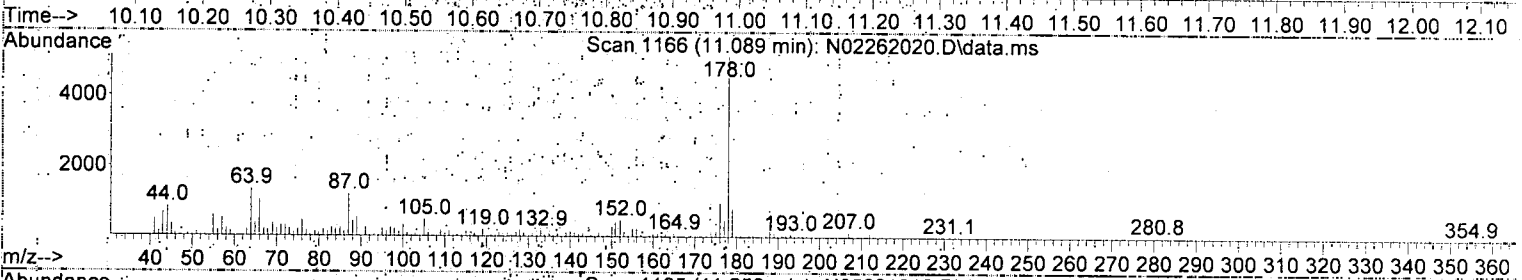
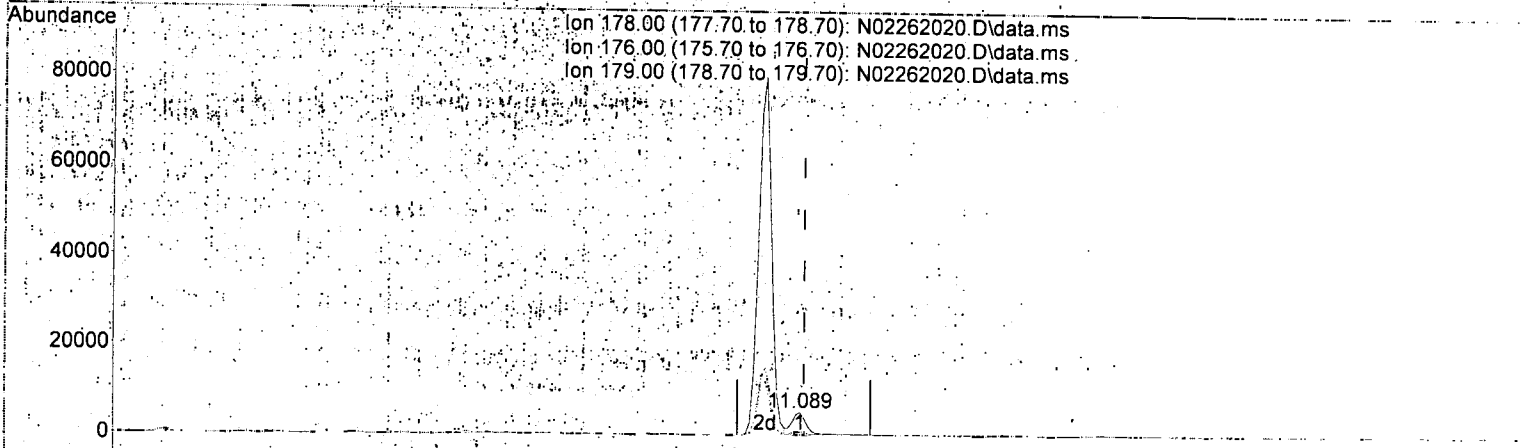
response 107994

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.92
179.00	15.10	15.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(20) Anthracene (T)

11.089min (-0.006) 3.18 ng/ml

response 7485

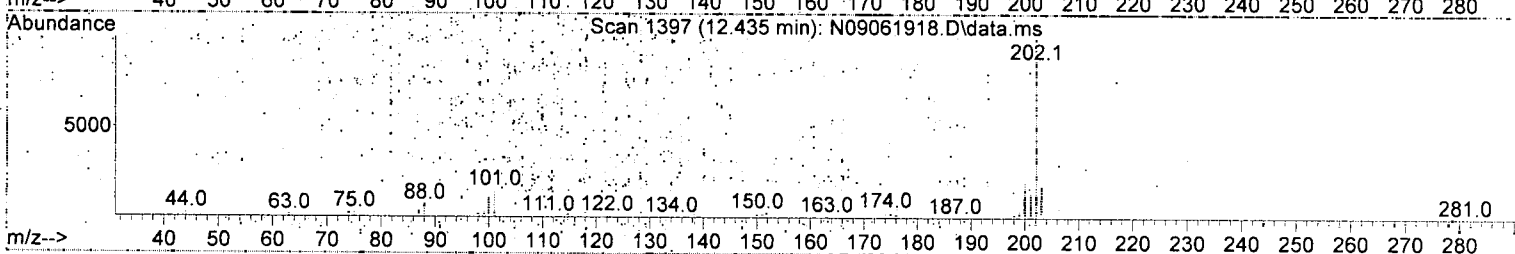
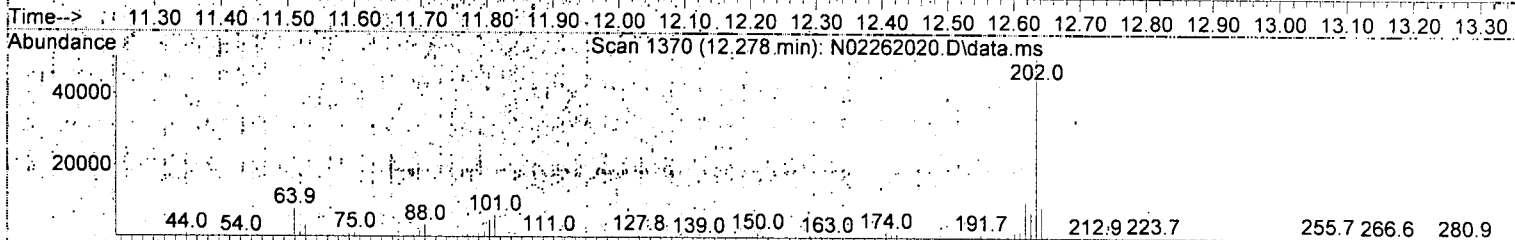
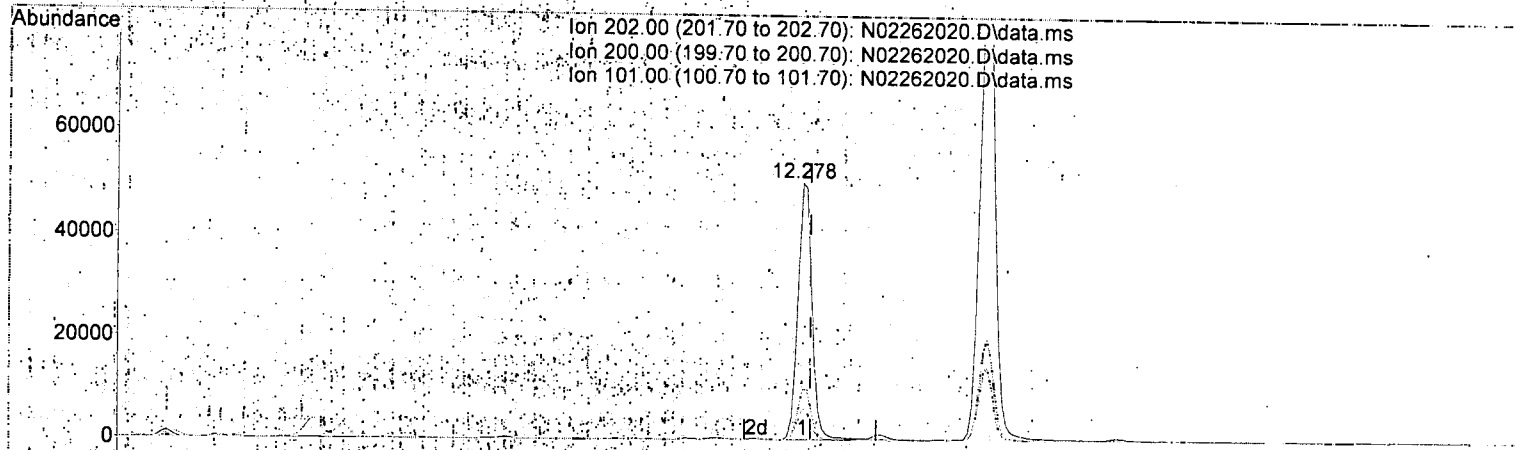
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	19.01
179.00	15.30	15.99
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/AMS/DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D-LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update: Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(23) Fluoranthene (T)

12.278min (-0.012) 29.45 ng/ml

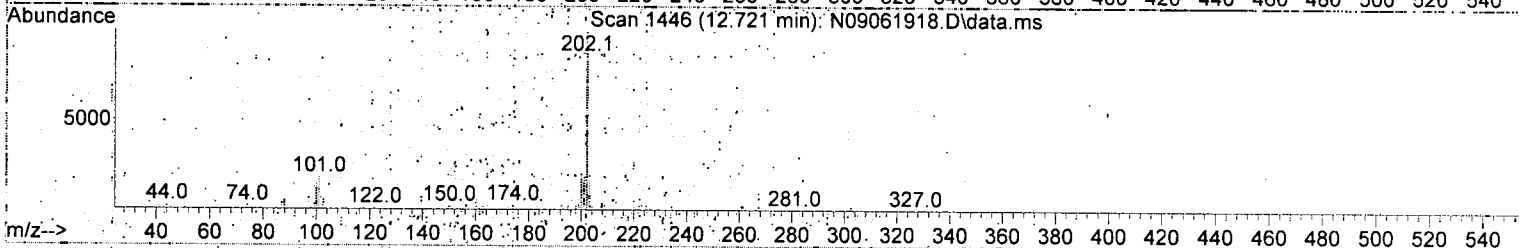
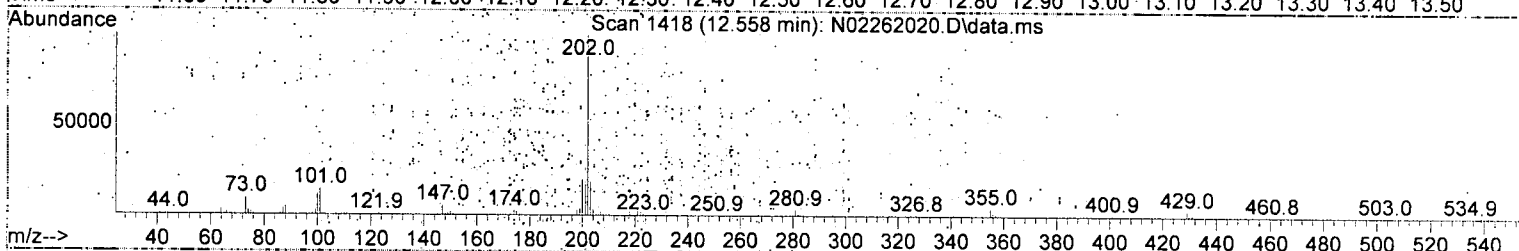
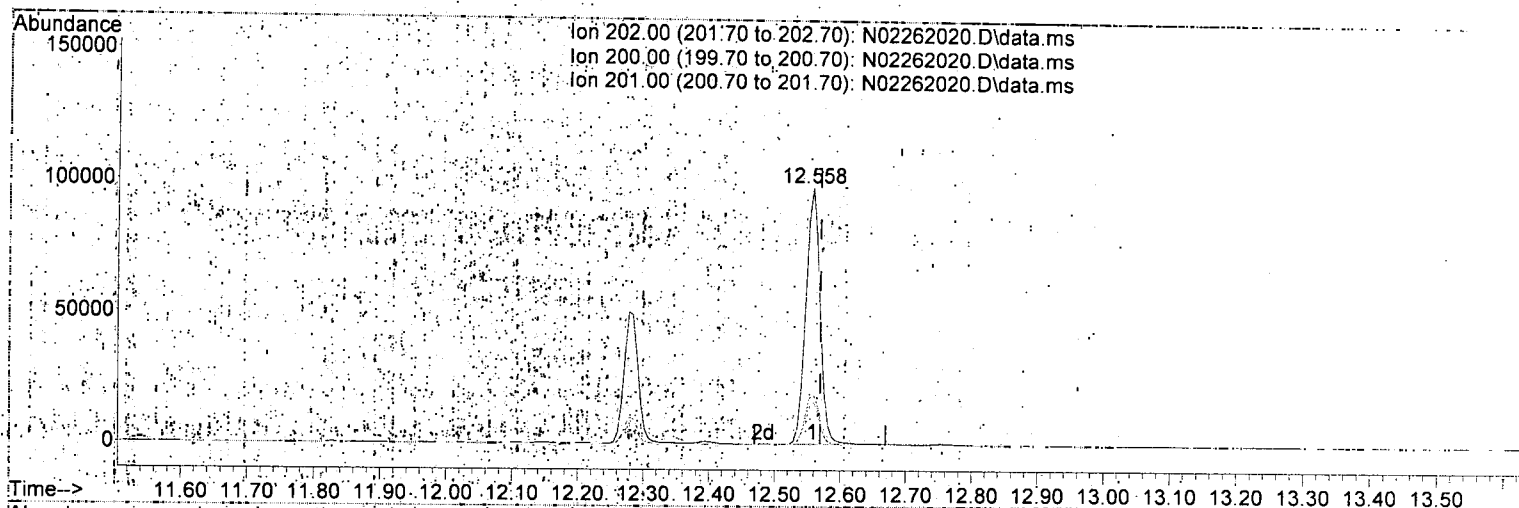
response 75129

Ion	Expt	Act%
202.00	100.00	100.00
200.00	19.70	19.75
101.00	15.30	12.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(25) Pyrene (T)

12.558min (-0.012) 49.66 ng/ml

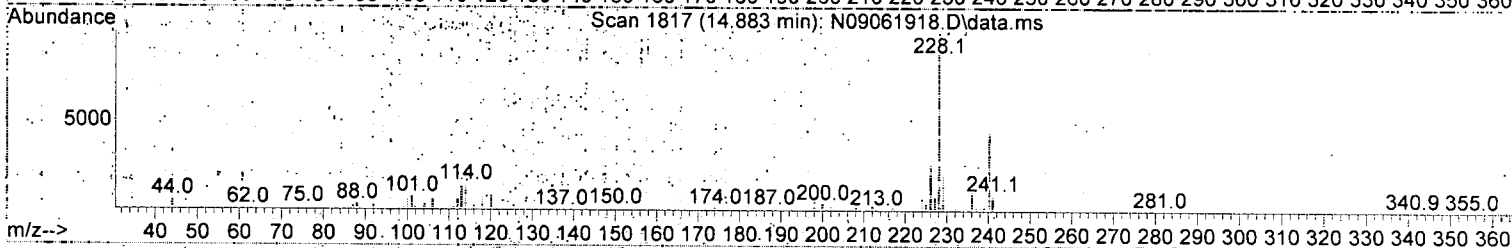
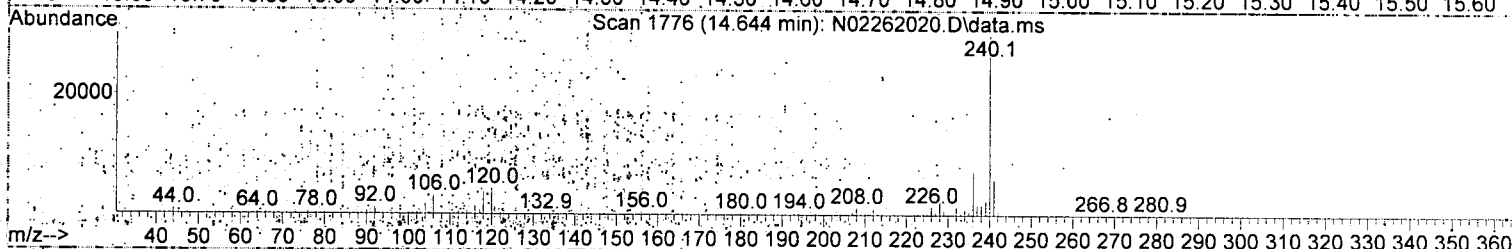
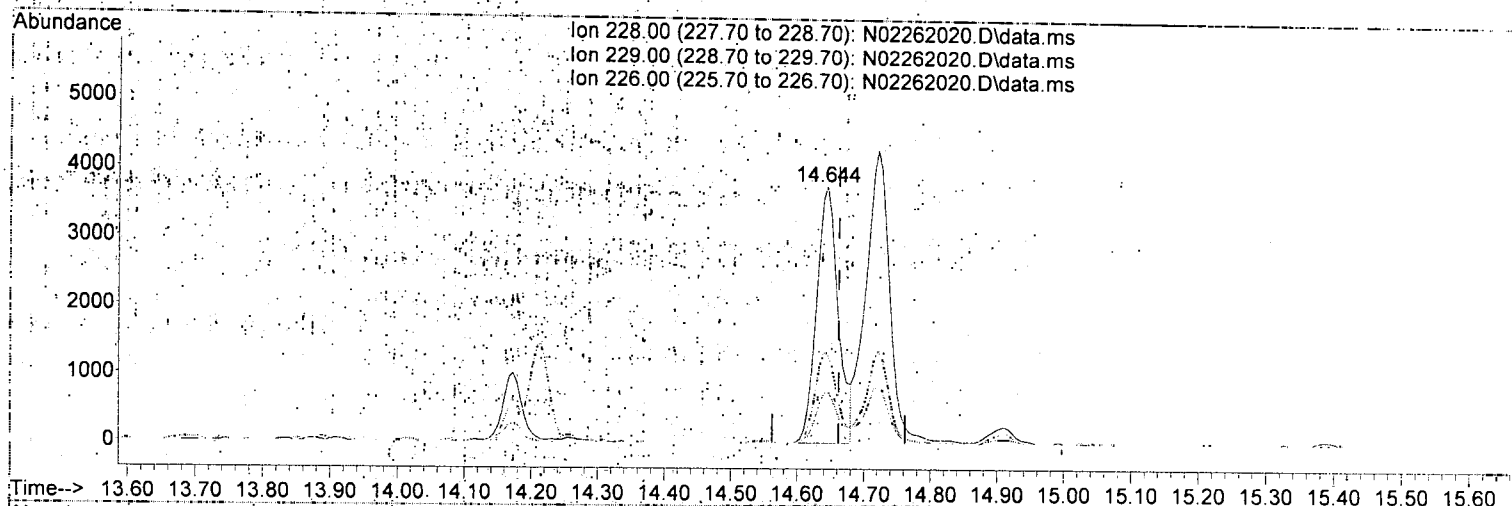
response 149202

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.23
201.00	16.80	17.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(27) Benz(a)anthracene (T)

14.644min (-0.018) 3.83 ng/ml

response 8552

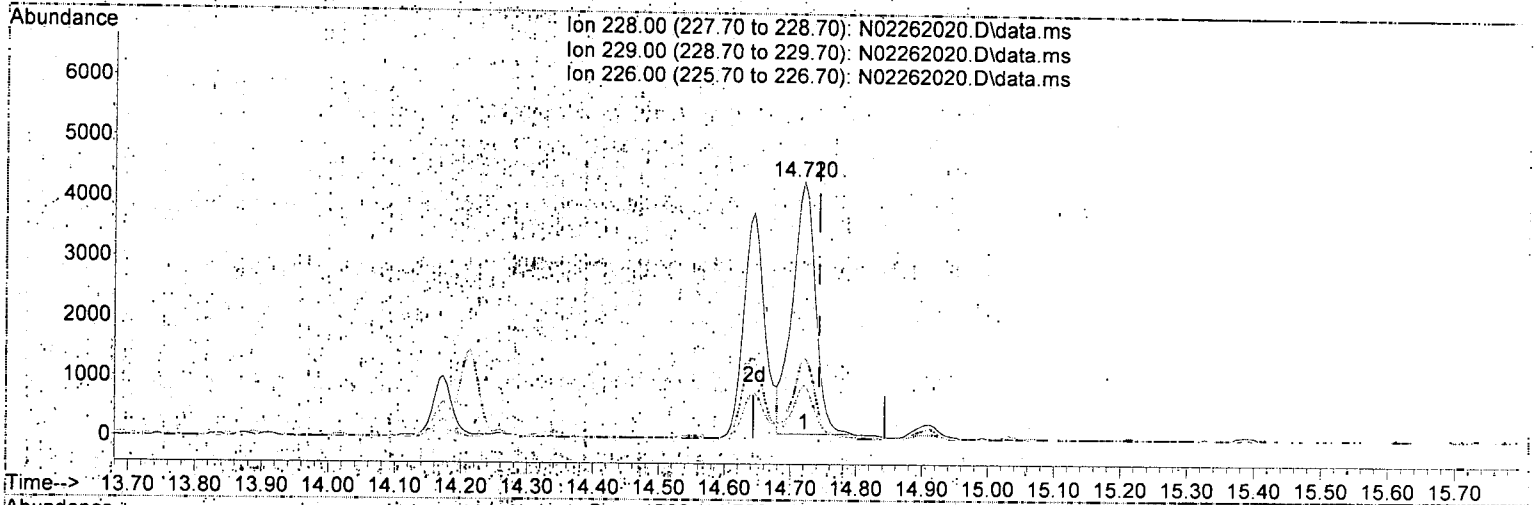
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.16
226.00	26.20	35.28
0.00	0.00	0.00

J

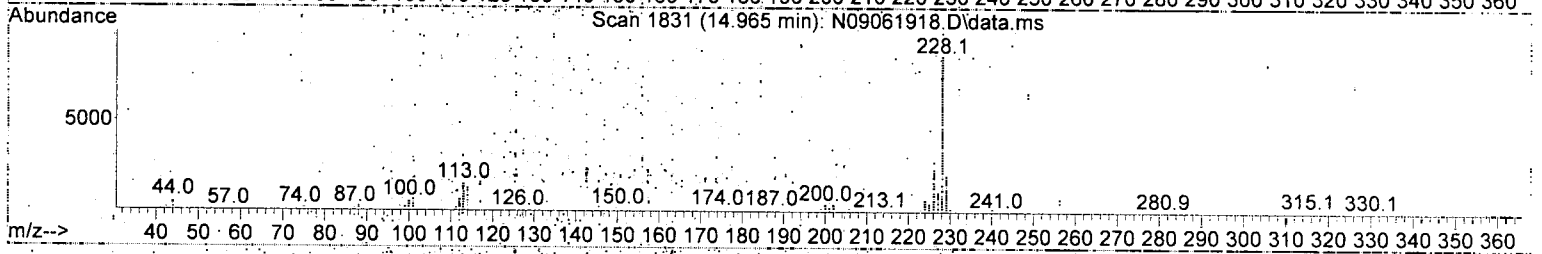
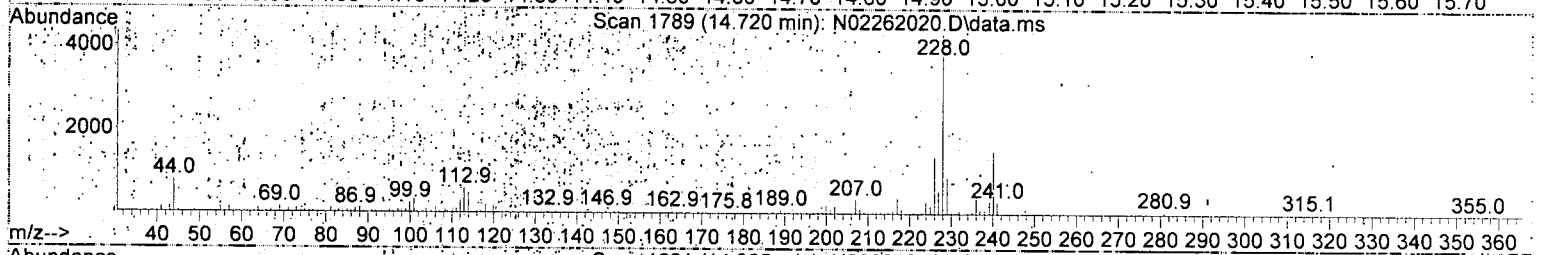
Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Ion 228.00 (227.70 to 228.70): N02262020.D\data.ms
 Ion 229.00 (228.70 to 229.70): N02262020.D\data.ms
 Ion 226.00 (225.70 to 226.70): N02262020.D\data.ms



TIC: N02262020.D\data.ms

(28) Chrysene (T)

14.720min (-0.023) 4.87 ng/ml

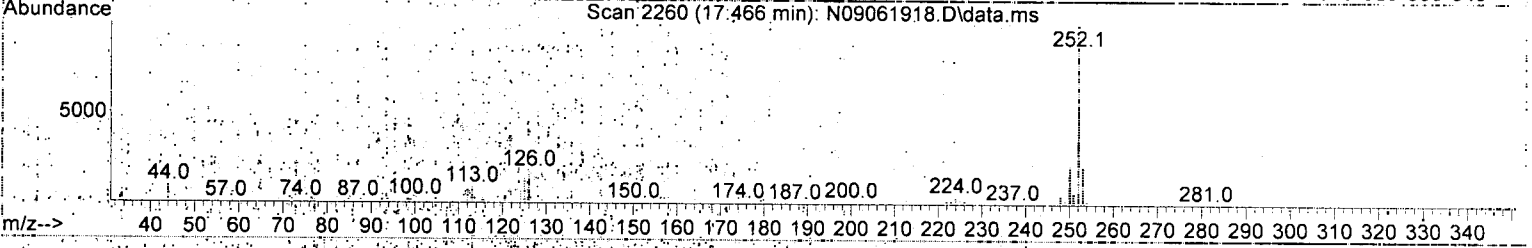
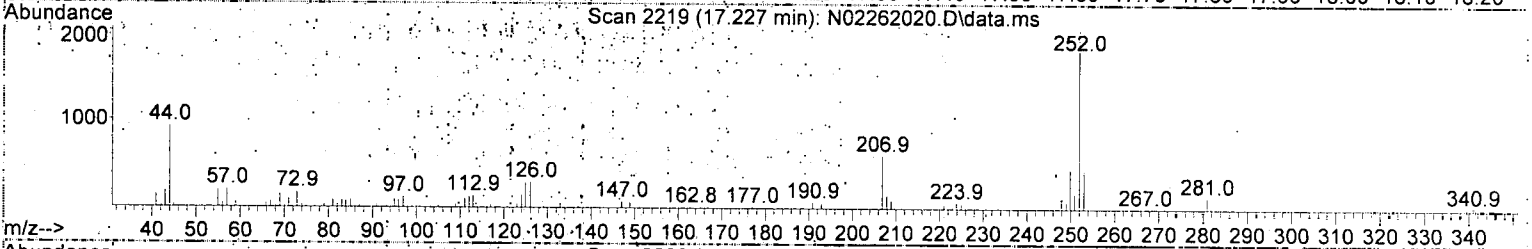
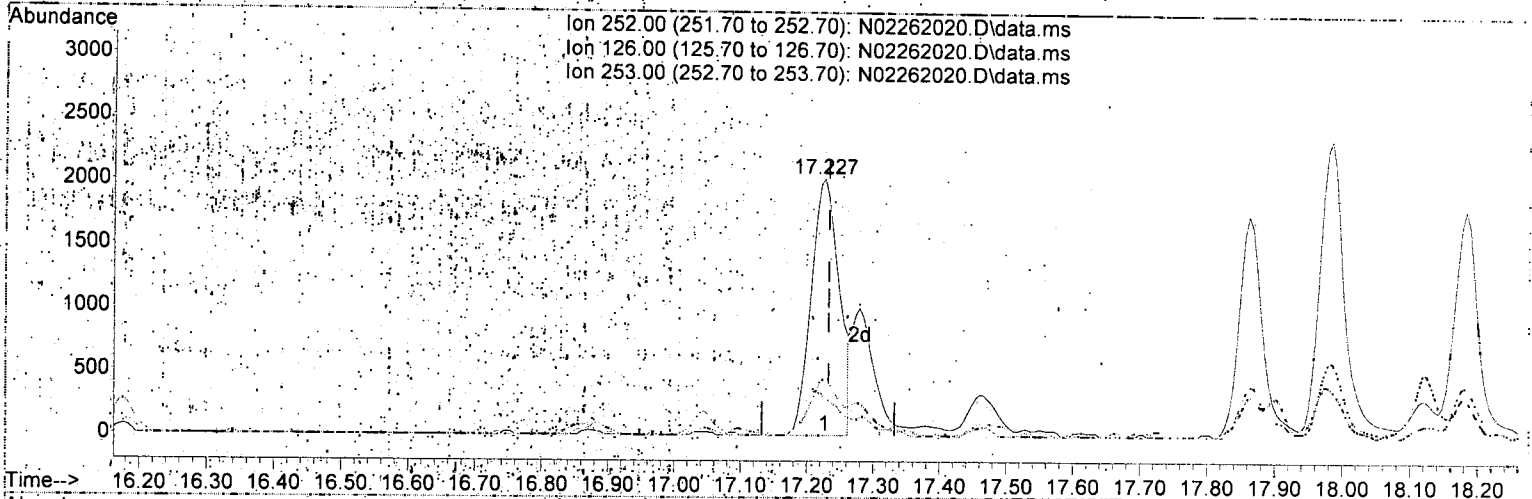
response 10298

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.82
226.00	28.60	31.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA:8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(30) Benzo(b)fluoranthene (T)

17.227min (-0.006) 2.83 ng/ml

response 5931

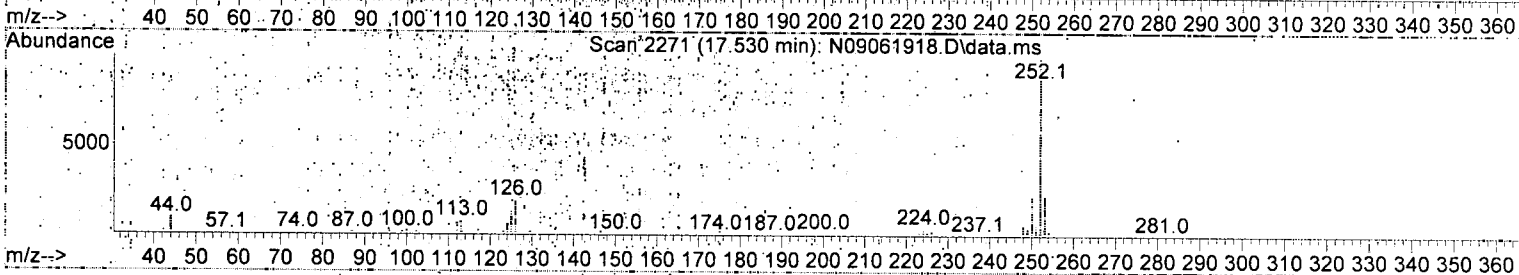
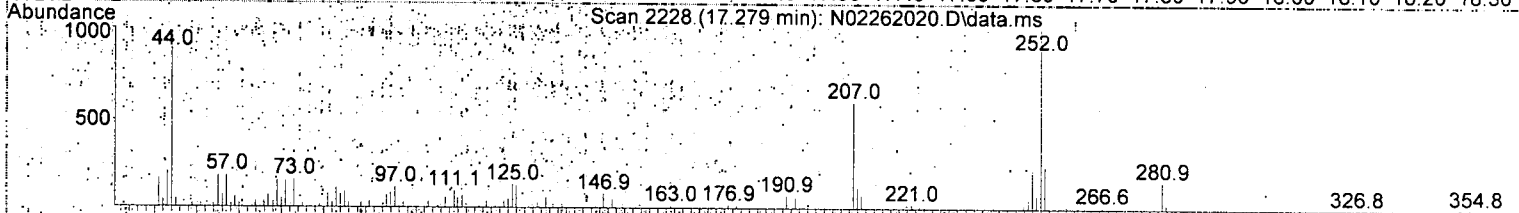
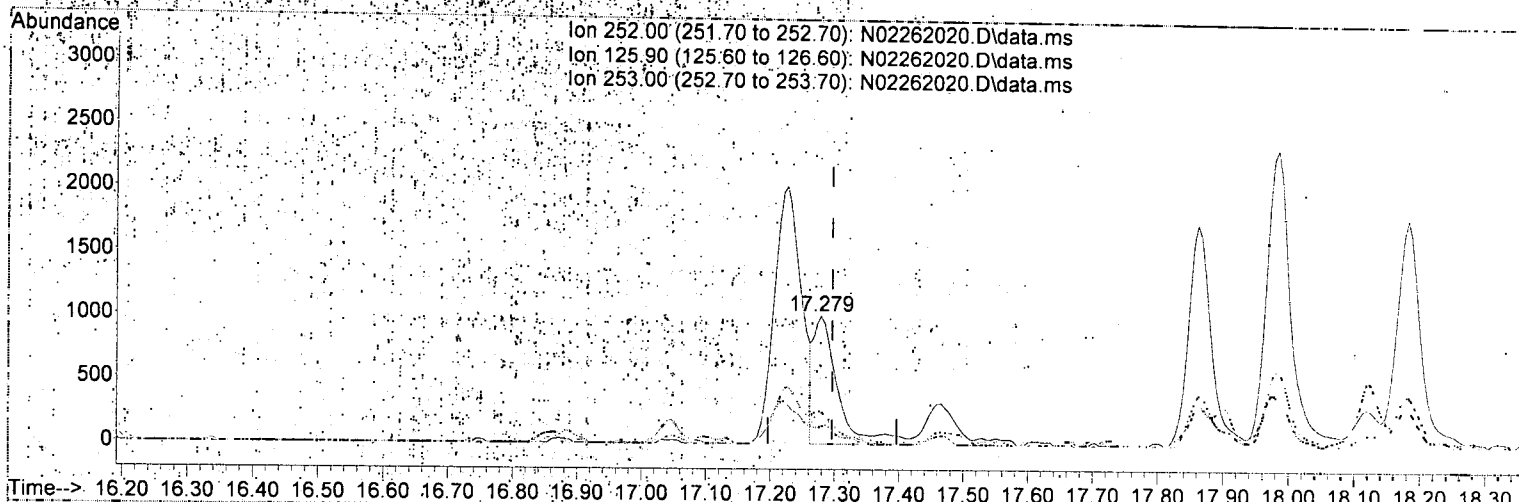
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	15.00
253.00	21.10	21.94
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.018) 1.14 ng/ml m

response 2350

Ion Exp% Act%

252.00 100.00 100.00

125.90 22.10 13.86

253.00 21.50 24.75

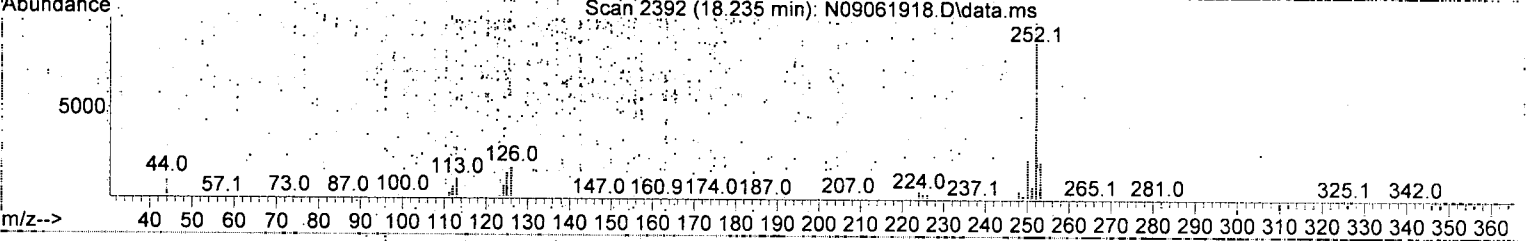
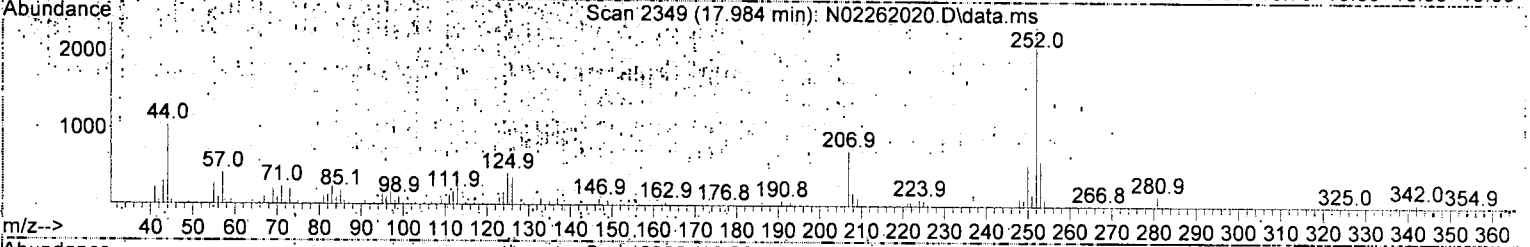
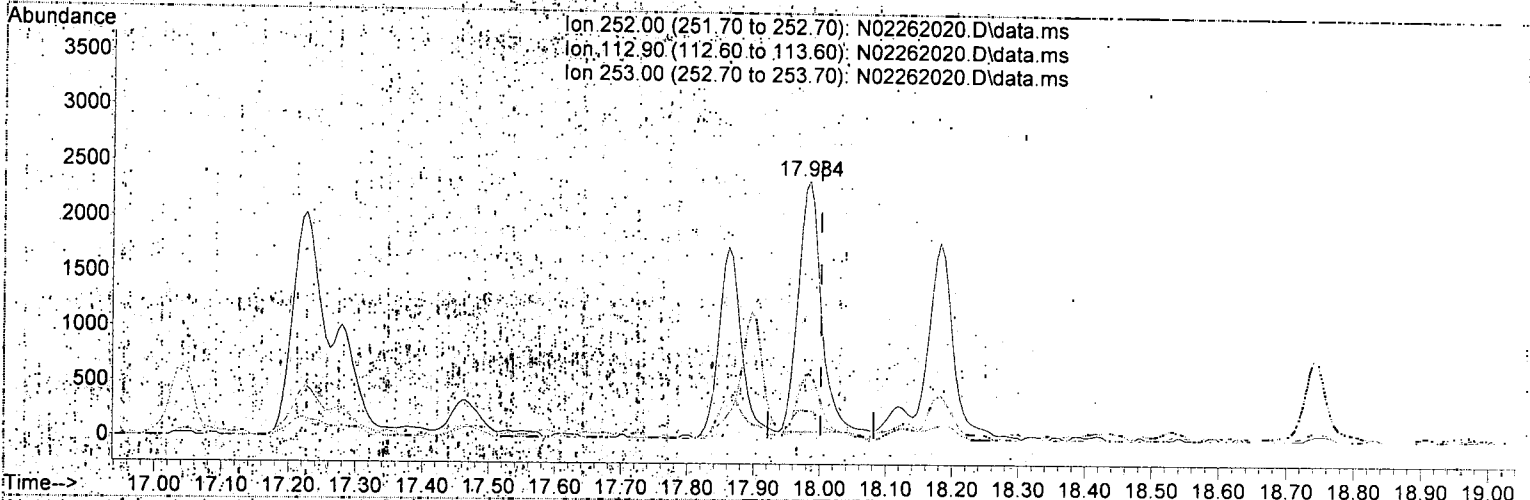
0.00 0.00 0.00

AMS
2/27/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262020.D\data.ms

(35) Benzo(a)pyrene (T)

17.984min (-0.017) 3.09 ng/ml

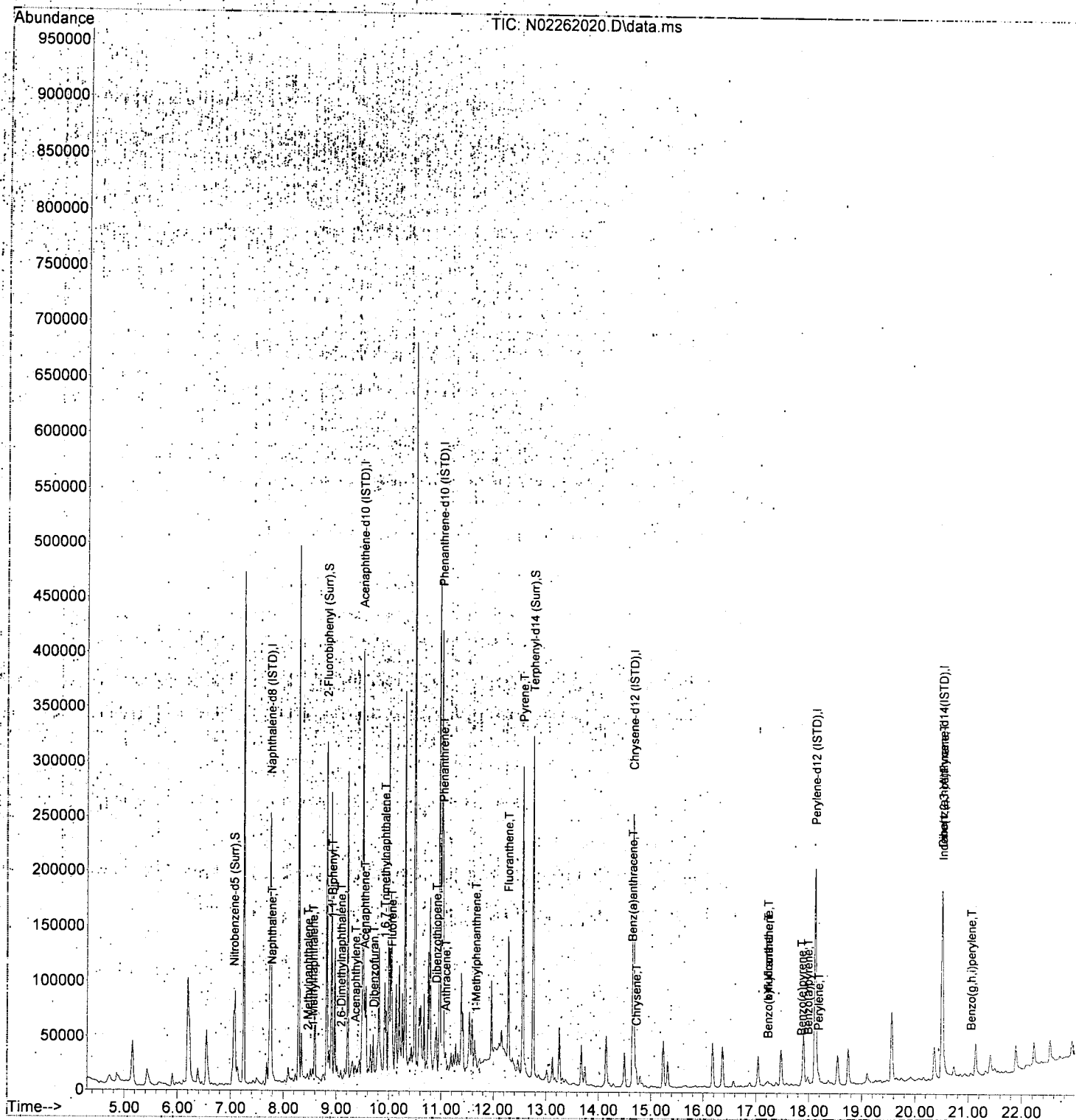
response 5547

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	10.80
253.00	21.90	25.16
0.00	0.00	0.00

Handwritten mark resembling a stylized 'S' or '5'.

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262020.D
 Acq On : 26 Feb 2020 07:54 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO:M

Quant Time: Feb 27 08:37:24 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

A-01
 Re-extract

AMS
 2/27/20

RRD

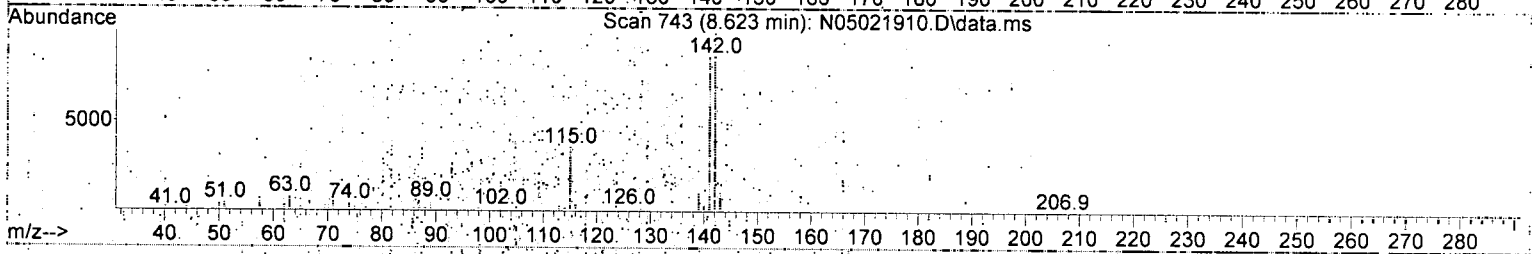
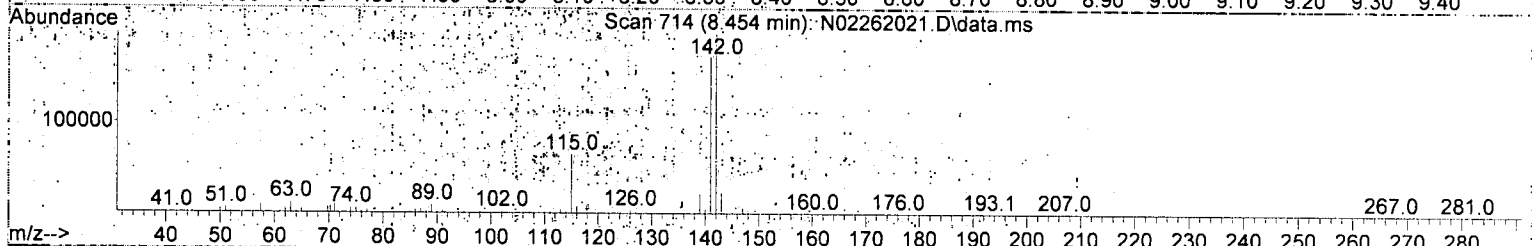
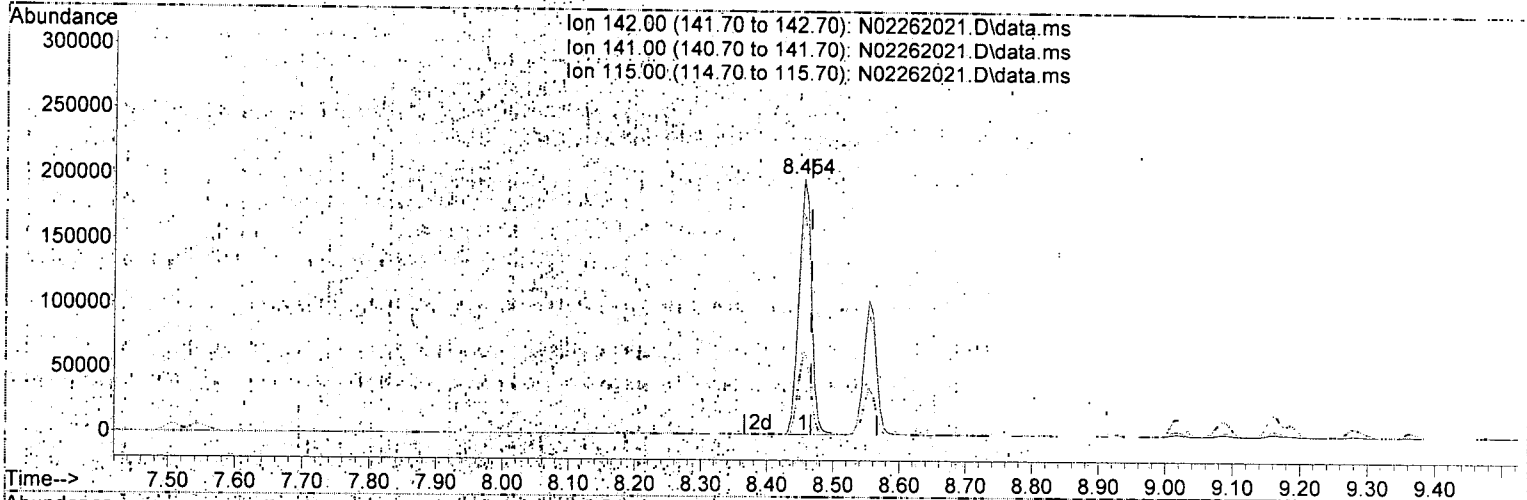
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	168346	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	121083	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	228748	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	191516	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	181448	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d	20.508	292	142400	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	43299	77.40	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.816	172	143066	79.20	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	4167	0.26	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.750	244	180758	89.74	ng/ml	-0.02	
33) Benzo(a)pyrene d-12 (S)	0.000	264	0	0.00	ng/ml		
Target Compounds:							
3) Decalin	0.000		0				
4) Naphthalene	7.772	128	1523839	820.71	ng/ml	99	RRD
5) 2-Methylnaphthalene	8.454	142	267533	170.04	ng/ml	98	
6) 1-Methylnaphthalene	8.553	142	140183	89.11	ng/ml	98	
7) 1,1'-Biphenyl	8.921	154	71433	33.76	ng/ml	97	
8) 2,6-Dimethylnaphthalene	9.084	156	26604	17.21	ng/ml	99	
12) Acenaphthylene	9.364	152	12438	4.73	ng/ml	92	
13) Acenaphthene	9.538	153	90681	52.67	ng/ml	99	
14) Dibenzofuran	9.713	168	8367	3.88	ng/ml	97	
15) 1,6,7-Trimethylnaphtha	9.923	170	3253	2.25	ng/ml#	57	
16) Fluorene	10.057	166	36076	20.48	ng/ml	99	MI-HIT
18) Dibenzothiopene	10.908	184	25985	10.86	ng/ml	97	
19) Phenanthrene	11.036	178	143993	53.79	ng/ml	100	
20) Anthracene	11.089	178	18452	7.41	ng/ml	98	
21) Carbazole	11.258	167	2460	1.22	ng/ml	95	
22) 1-Methylphenanthrene	11.660	192	3516	1.89	ng/ml	93	
23) Fluoranthene	12.278	202	64815	24.03	ng/ml	97	
25) Pyrene	12.558	202	91579	30.61	ng/ml	98	
27) Benz(a)anthracene	14.639	228	11920	5.36	ng/ml	67	
28) Chrysene	14.720	228	16539	7.86	ng/ml	96	
30) Benzo(b)fluoranthene	17.221	252	13474	6.44	ng/ml	93	
31) Benzo(k)fluoranthene	17.221	252	16639	8.07	ng/ml	91	MI-ND
32) Benzo(b+k)fluoranthene	17.221	252	19138	8.94	ng/ml	91	
34) Benzo(e)pyrene	17.862	252	9413	4.45	ng/ml	94	
35) Benzo(a)pyrene	17.984	252	12401	6.92	ng/ml	97	
36) Perylene	18.177	252	6019	2.73	ng/ml	95	
38) Indeno(1,2,3-cd)pyrene	20.514	276	8659	4.93	ng/ml	86	
39) Dibenz(a,h)anthracene	20.572	278	1103	0.67	ng/ml	82	
40) Benzo(g,h,i)perylene	21.050	276	10663	5.72	ng/ml	91	

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/AMS/DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D, LE PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LV114_BNA_ACO.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method: U:\methods\SV14_090619_PHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(5) 2-Methylnaphthalene (T)

8.454min (-0.012) 170.04 ng/ml

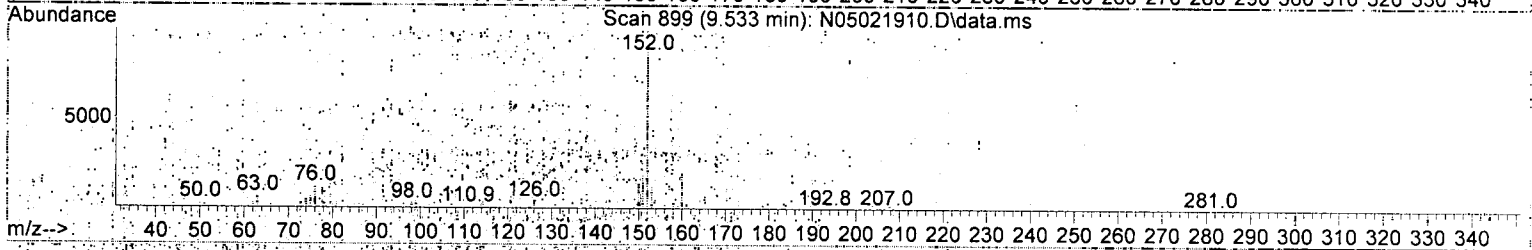
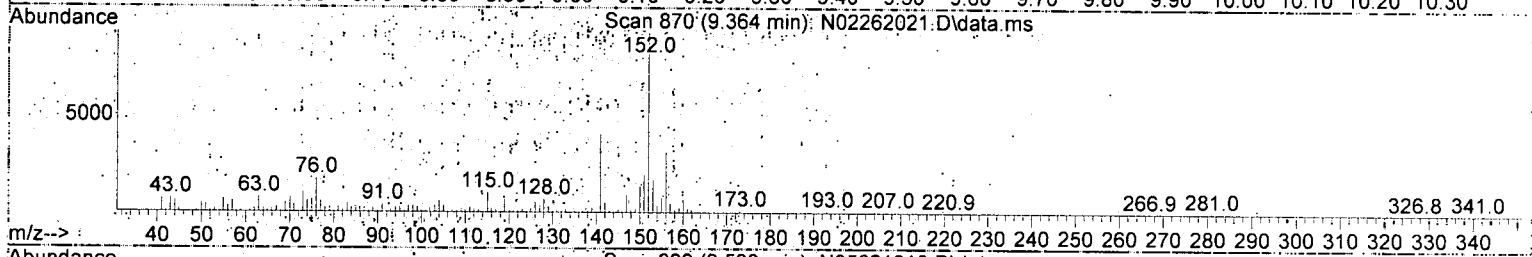
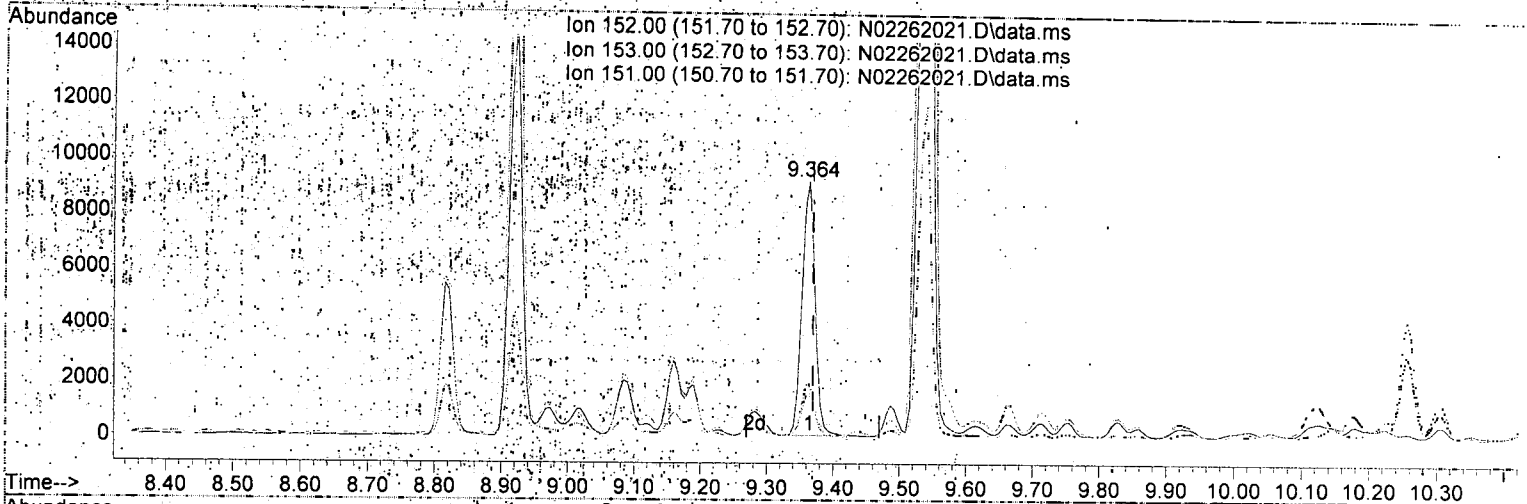
response 267533

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.19
115.00	35.70	32.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(12) Acenaphthylene (T)

9.364min (-0.006) 4.73 ng/ml

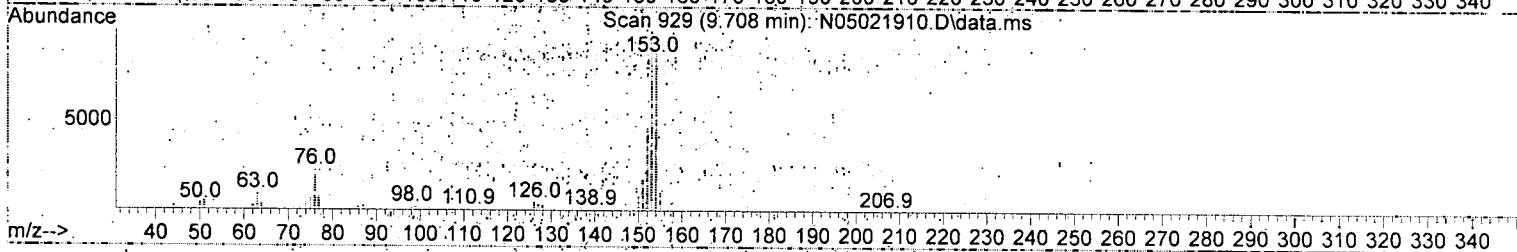
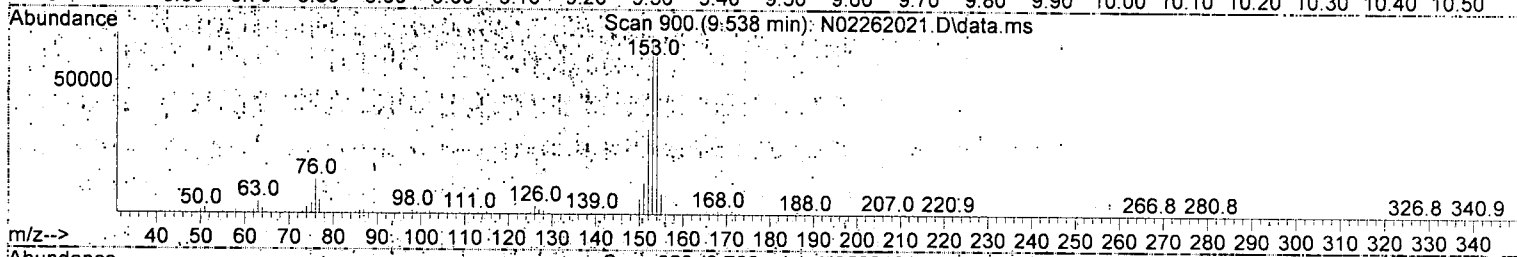
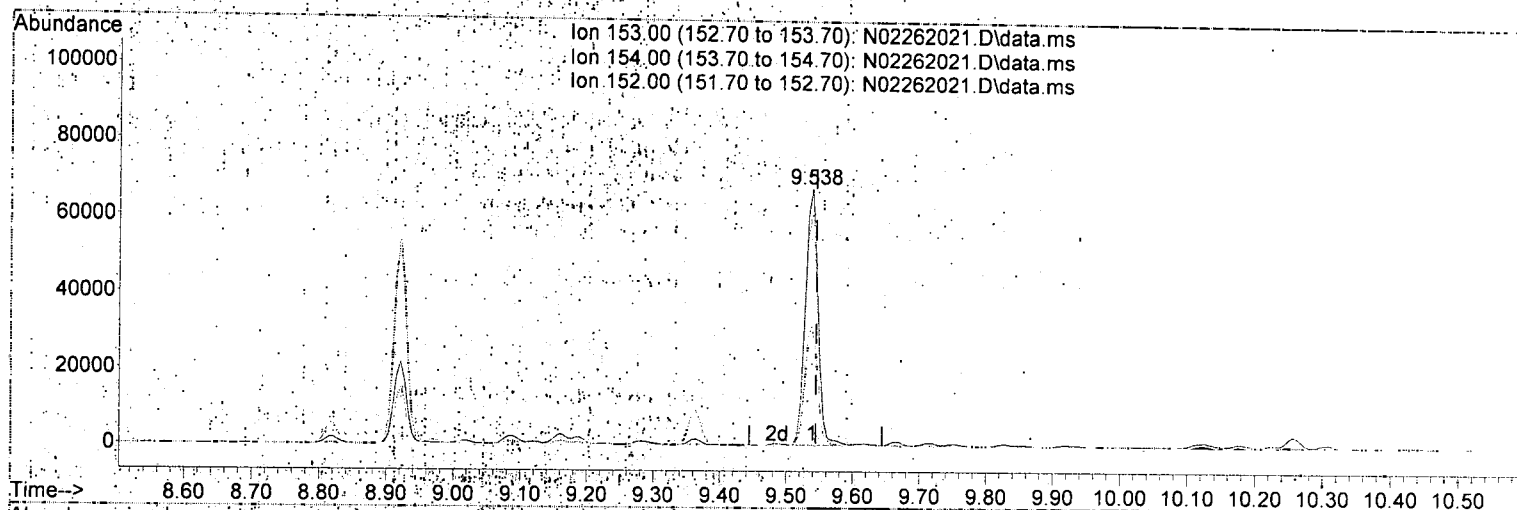
response 12438

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	18.41
151.00	19.30	20.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(13) Acenaphthene (T)

9.538min (-0.006) 52.67 ng/ml

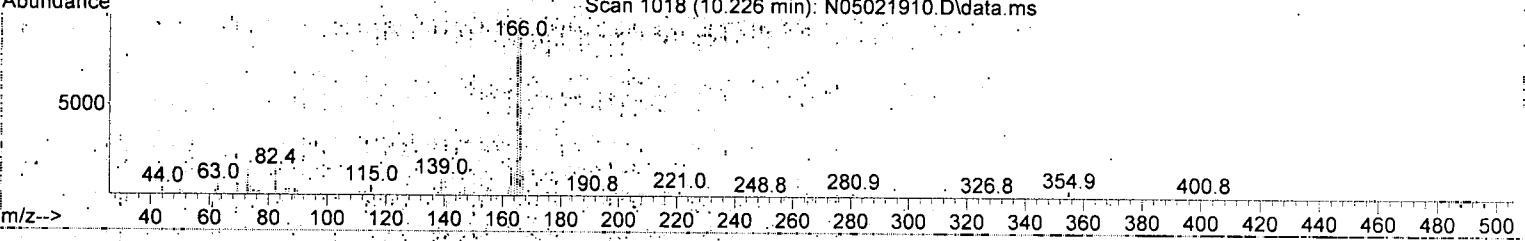
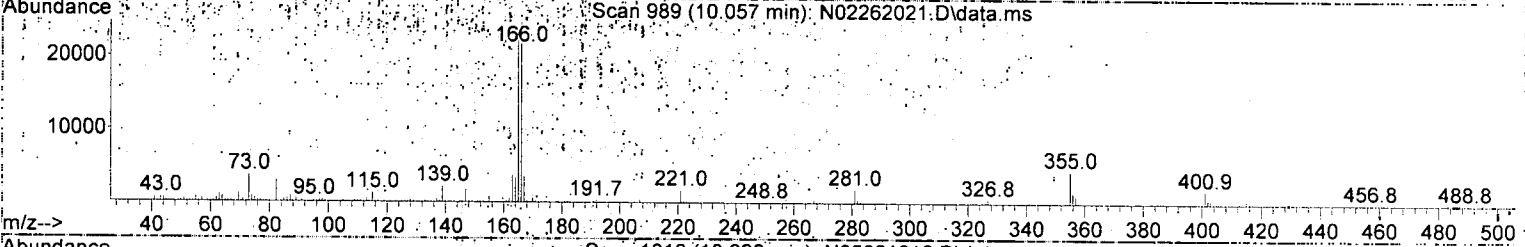
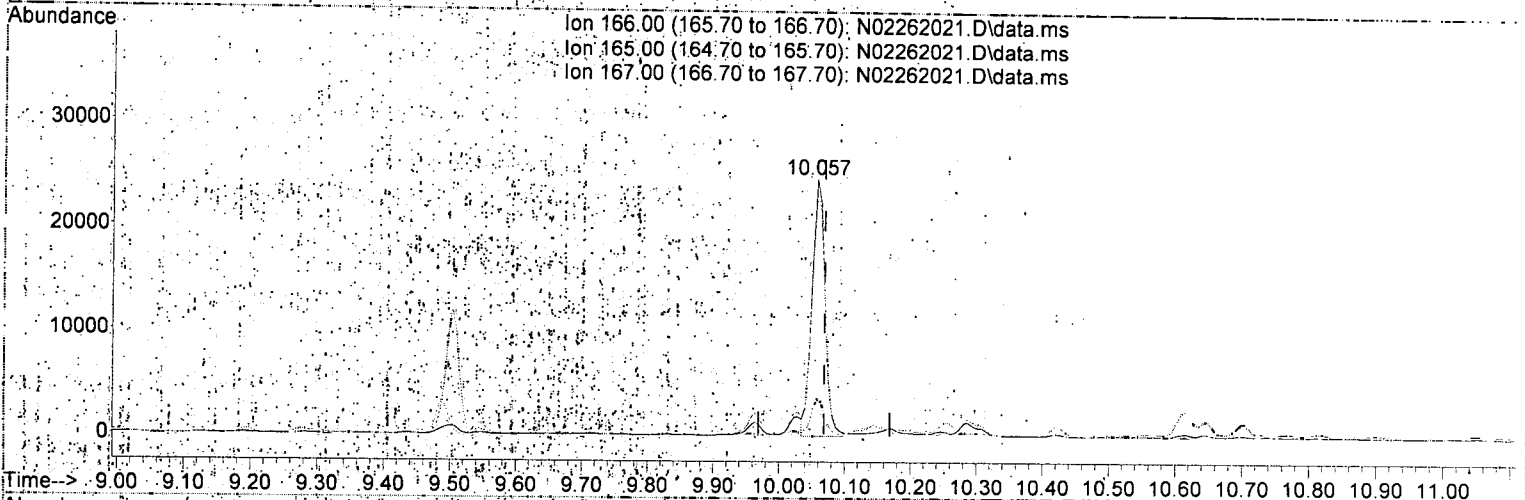
response 90681

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.26
152.00	46.80	47.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : AOB0681-04
 Misc : 1x, 8270D-LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(16) Fluorene (T)

10.057min (-0.012) 19.45 ng/ml

response 34263

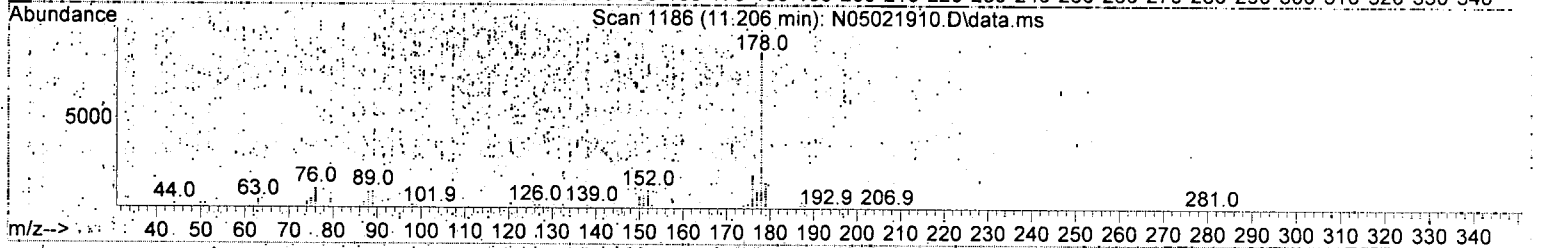
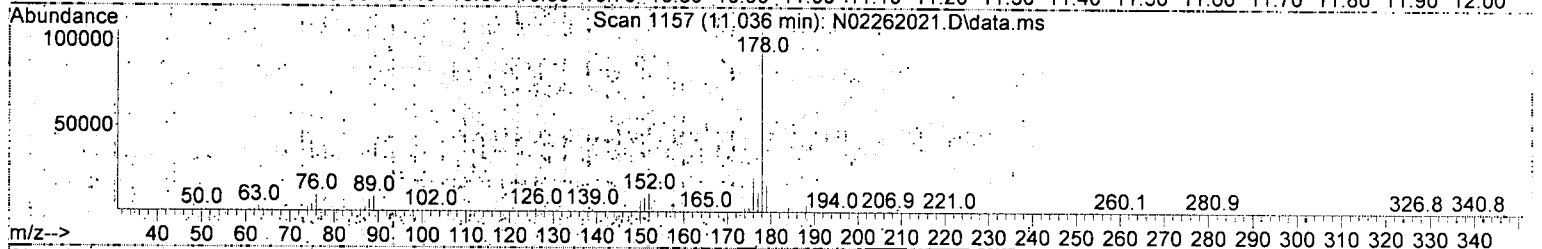
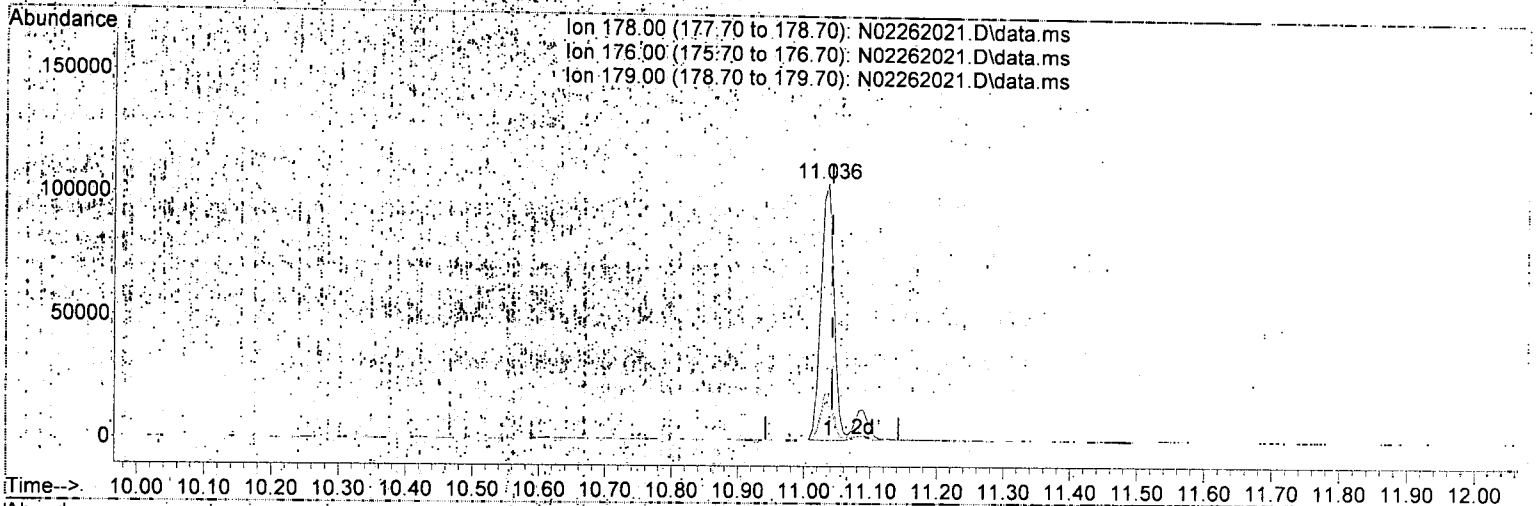
Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.29
167.00	13.60	14.54
0.00	0.00	0.00

AMS
 2/27/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



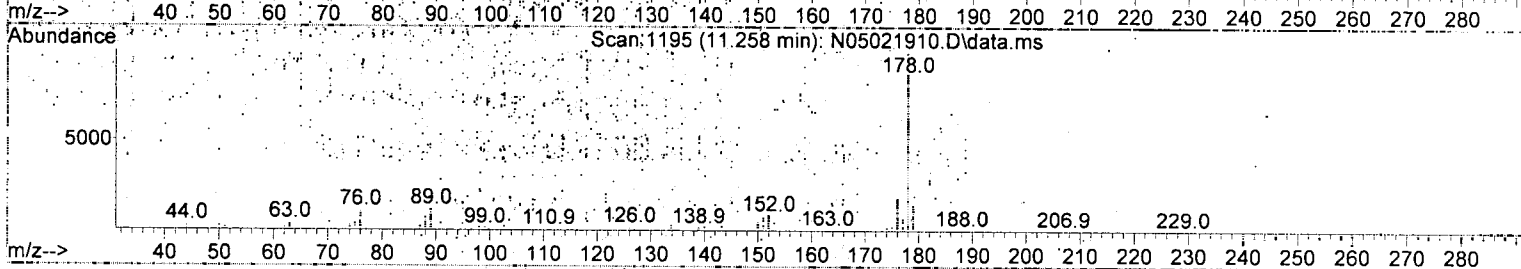
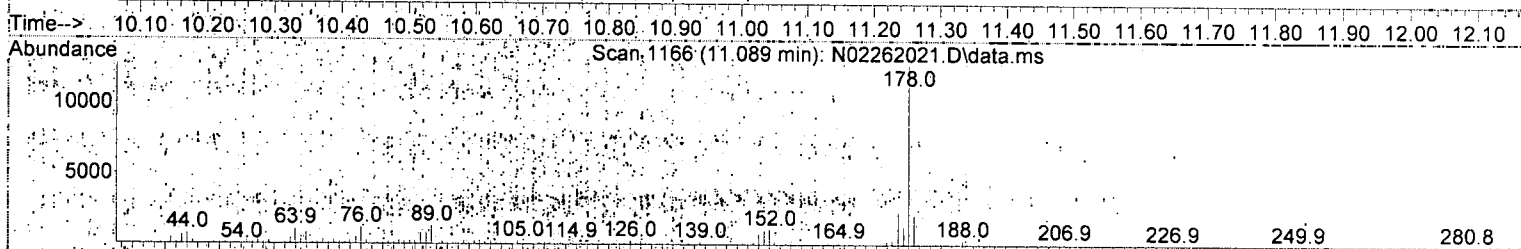
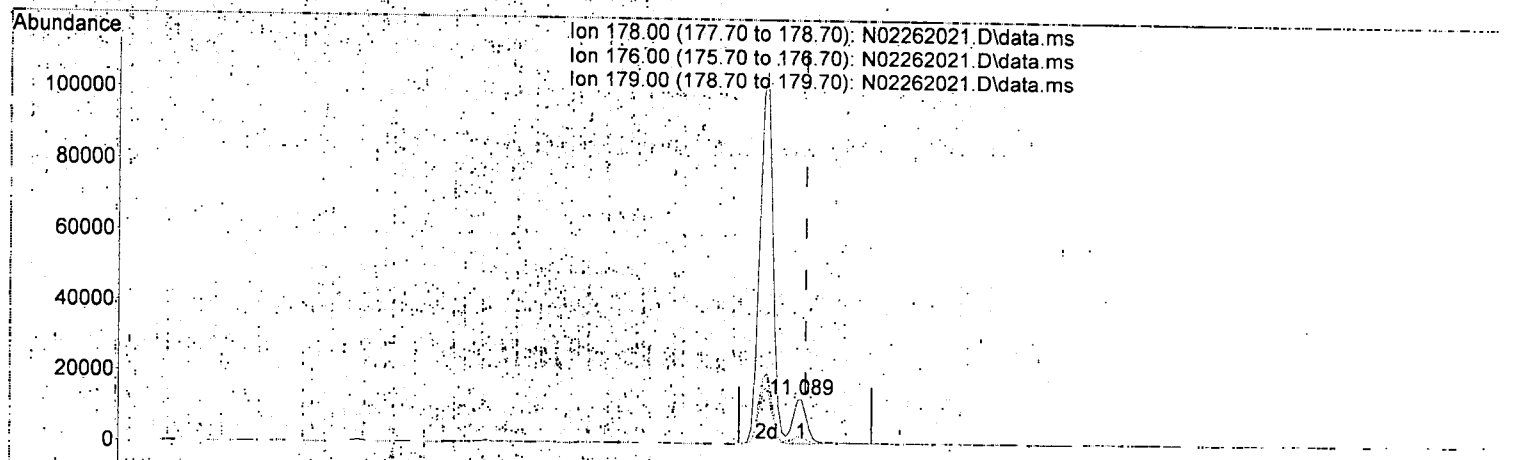
TIC: N02262021.D\data.ms

(19) Phenanthrene (T)		
11.036min (-0.006)	53.79 ng/ml	
response	143993	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.01
179.00	15.10	15.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(20) Anthracene (T)

11.089min (-0.006) 7.41 ng/ml

response 18452

Ion	Exp%	Act%
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178.00	100.00	100.00
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176.00	18.90	18.46
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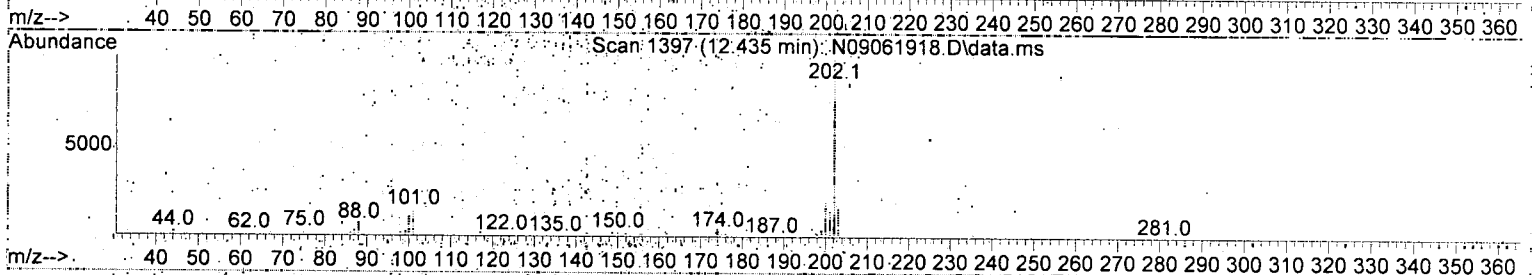
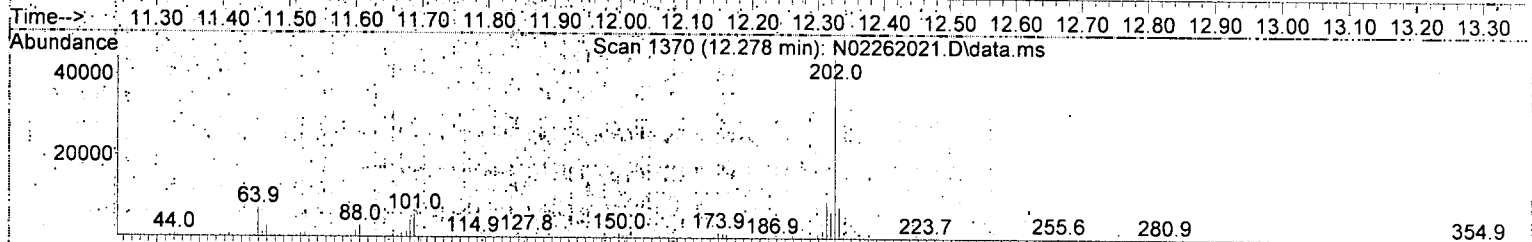
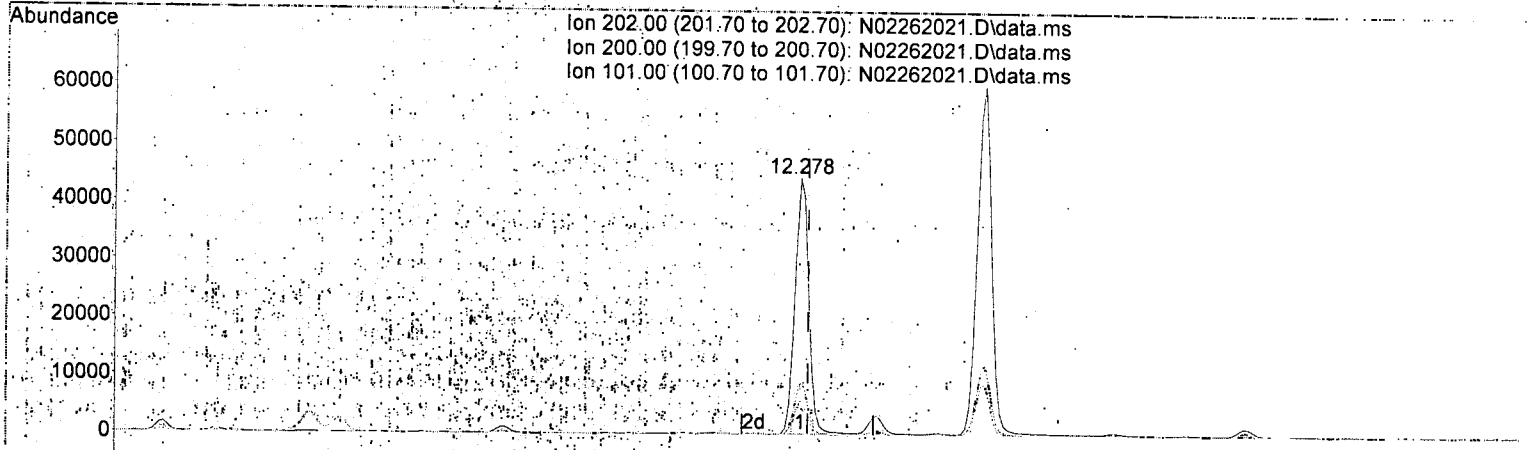
179.00	15.30	16.54
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0.00	0.00	0.00
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Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(23) Fluoranthene (T)

12.278min (-0.012) 24.03 ng/ml

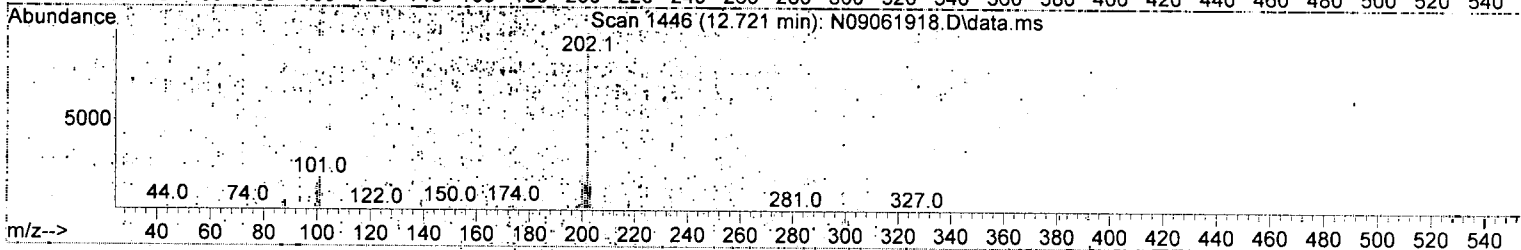
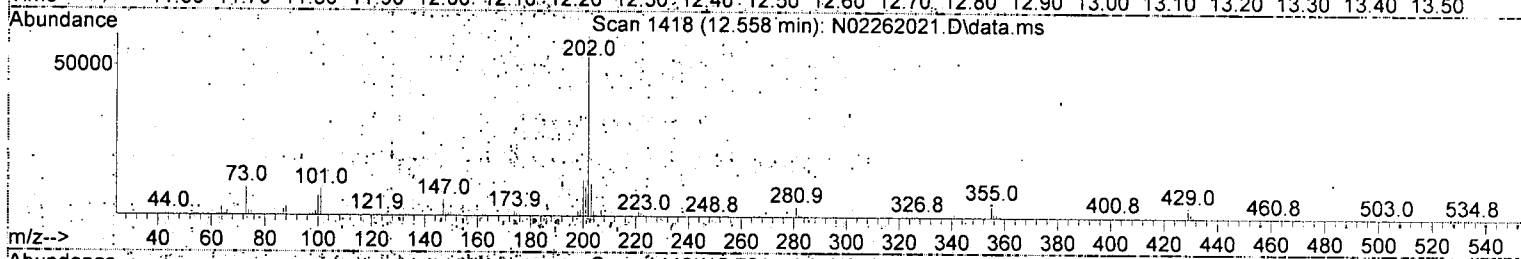
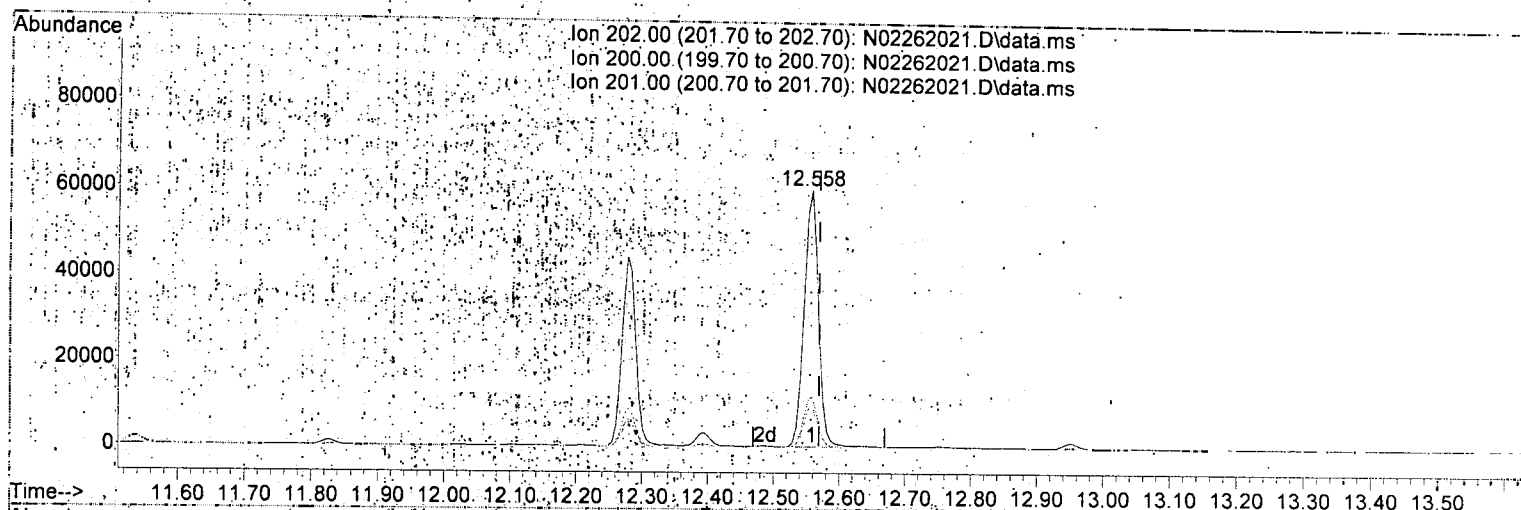
response 64815

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.25
101.00	15.30	12.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(25) Pyrene (T)

12.558min (-0.012) 30.61 ng/ml

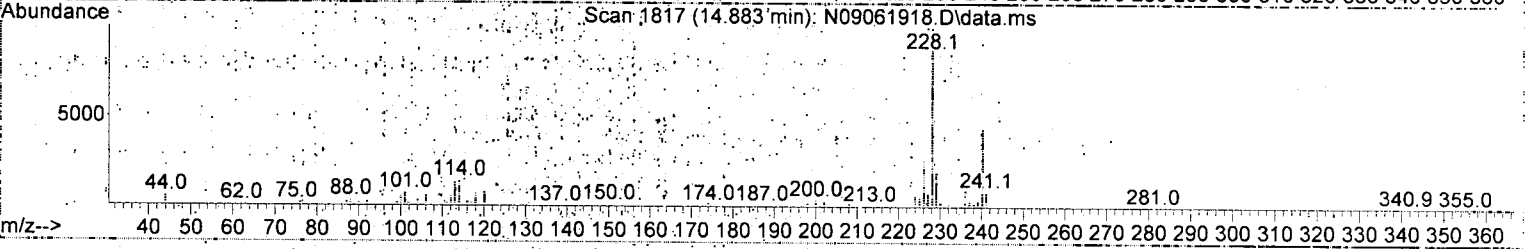
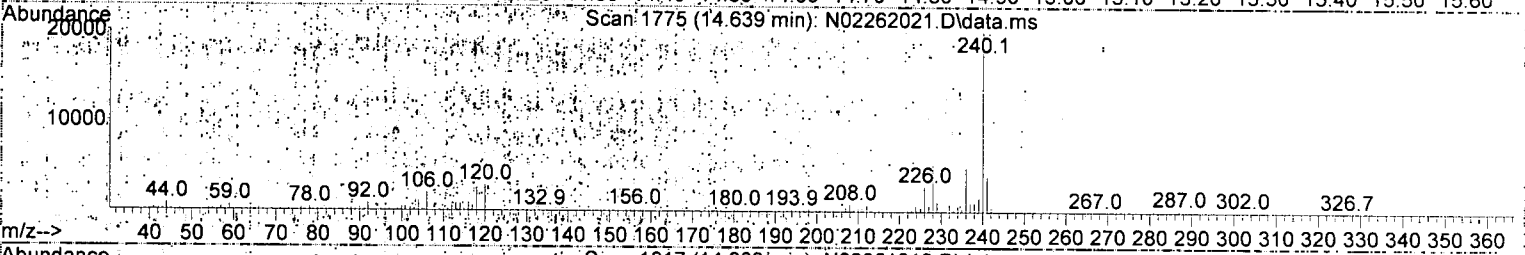
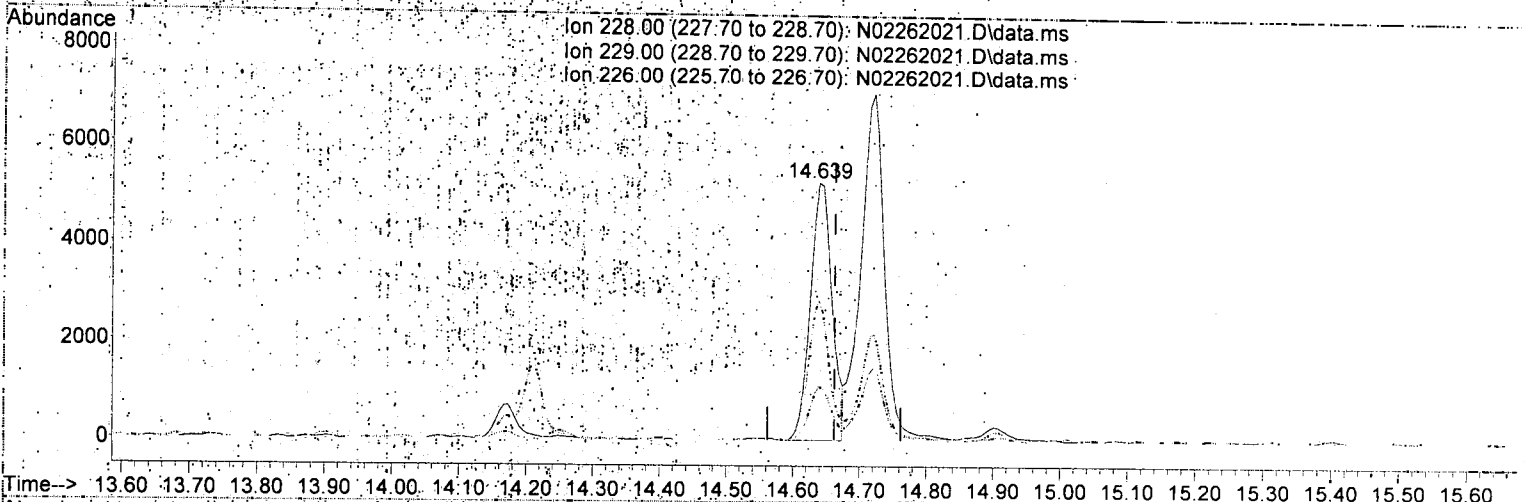
response 91579

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	19.84
201.00	16.80	16.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LV114_BNA_ACO.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update: Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

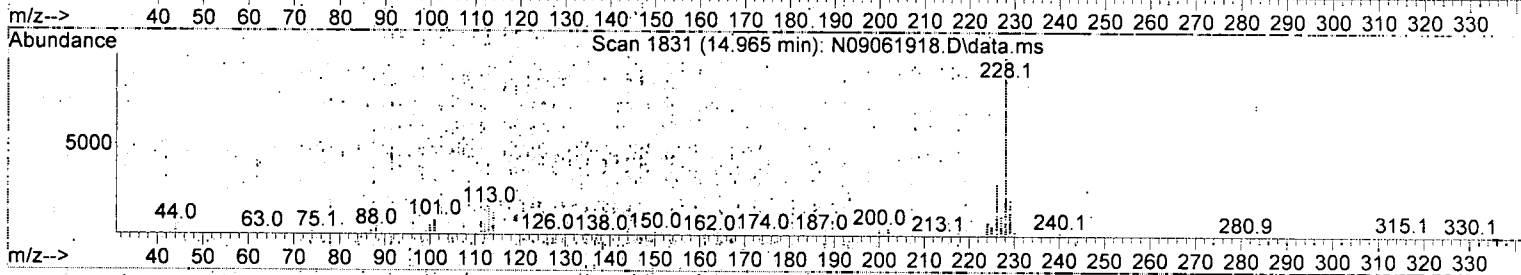
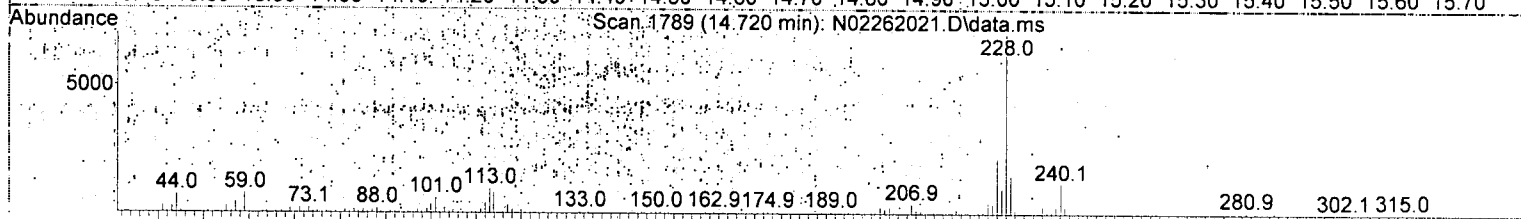
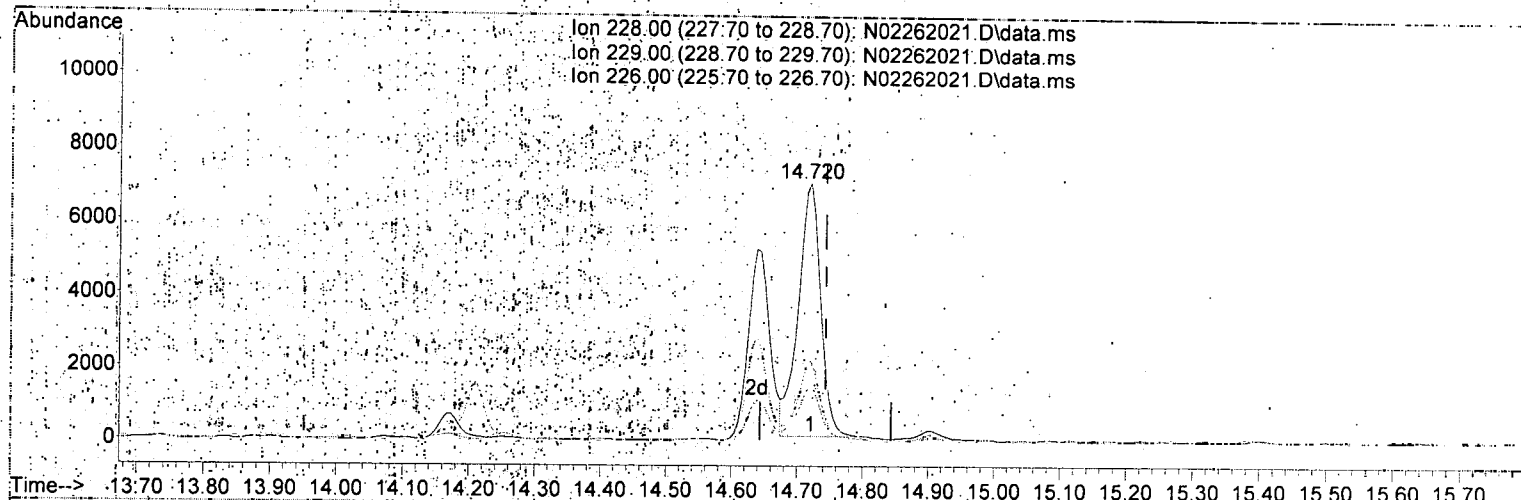
(27) Benz(a)anthracene (T)

14.639min (-0.023) 5.36 ng/ml

response	Exp%	Act%
11920		
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.98
226.00	26.20	54.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/AMS/DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D, LL, PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LV114_BNA_ACO.M
 Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(28) Chrysene (T)

14.720min (-0.023) 7.86 ng/ml

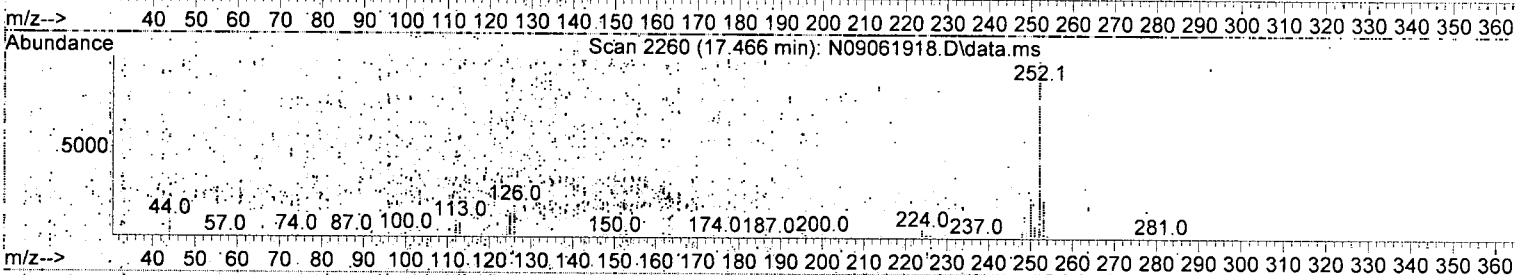
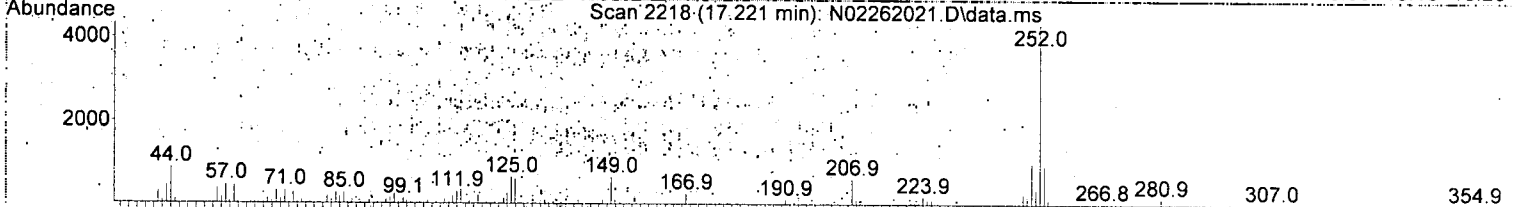
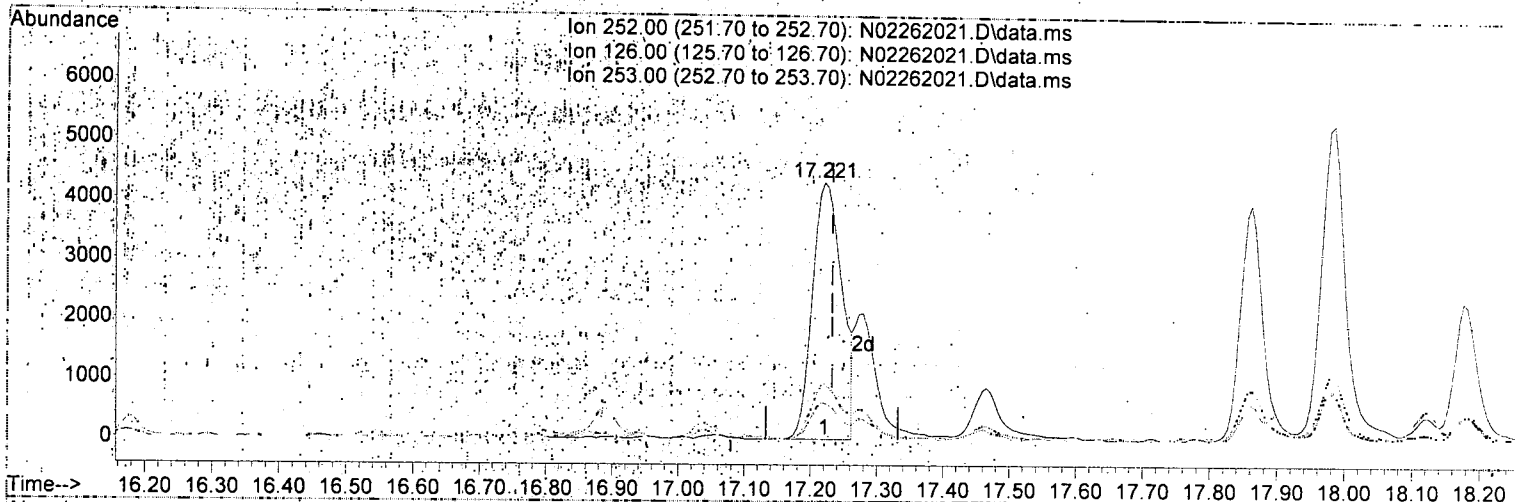
response 16539

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.13
226.00	28.60	30.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(30) Benzo(b)fluoranthene (T)

17.221min (-0.012) 6.44 ng/ml

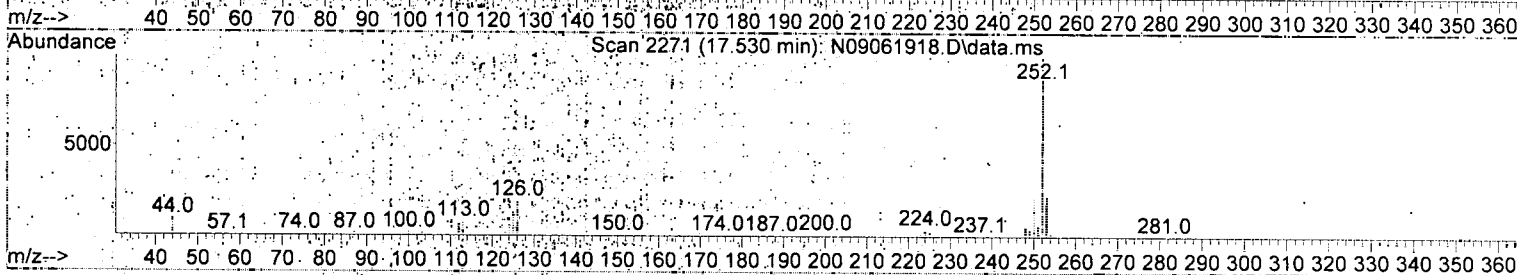
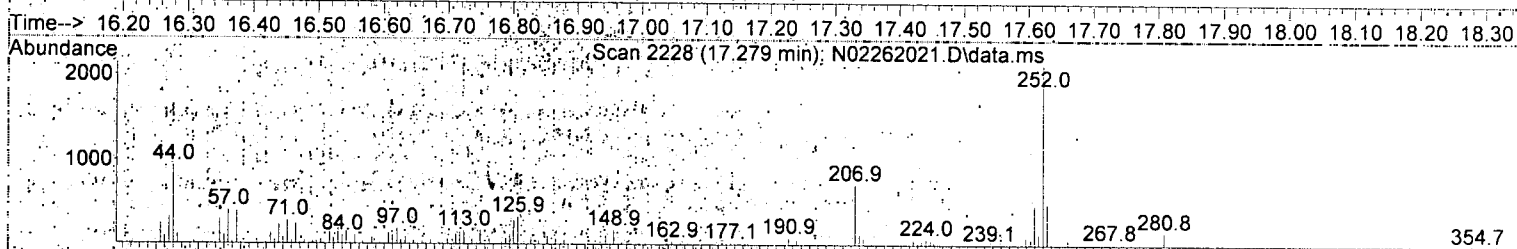
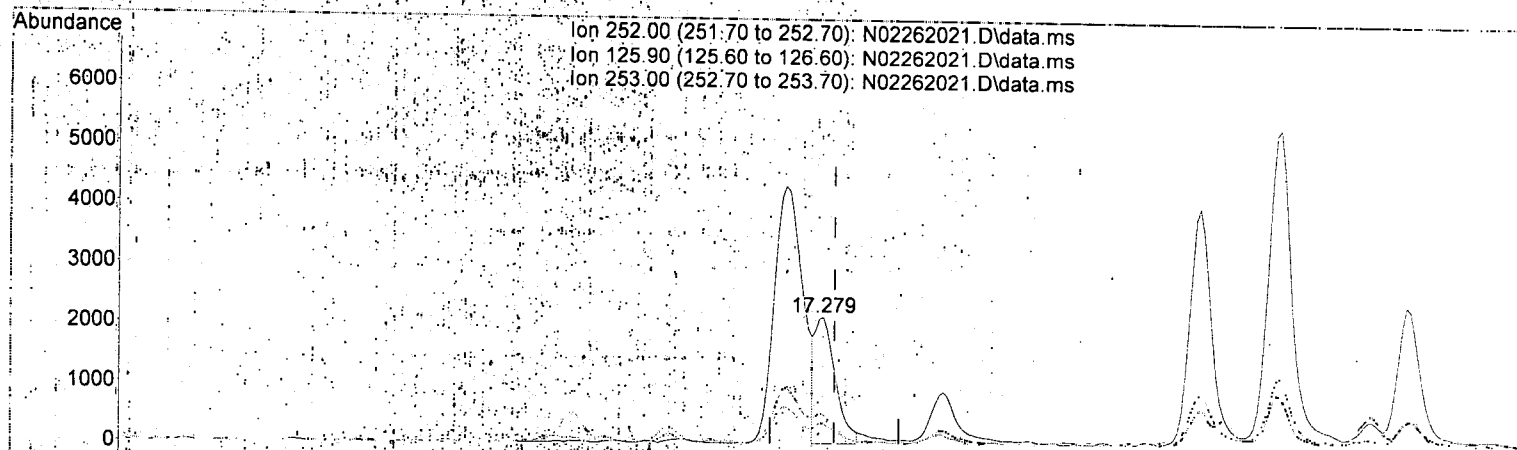
response 13474

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	14.12
253.00	21.10	21.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.018) 2.28 ng/ml m

response 4692

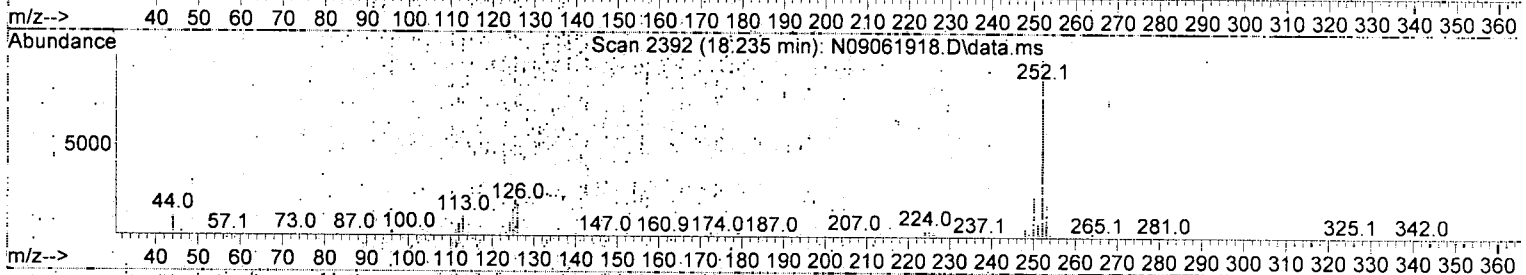
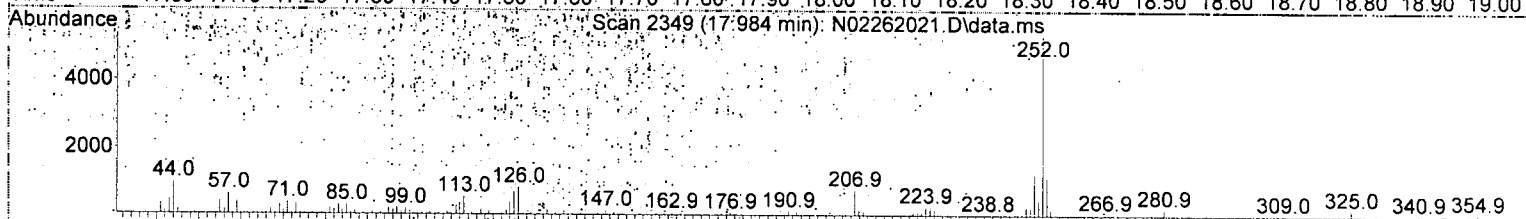
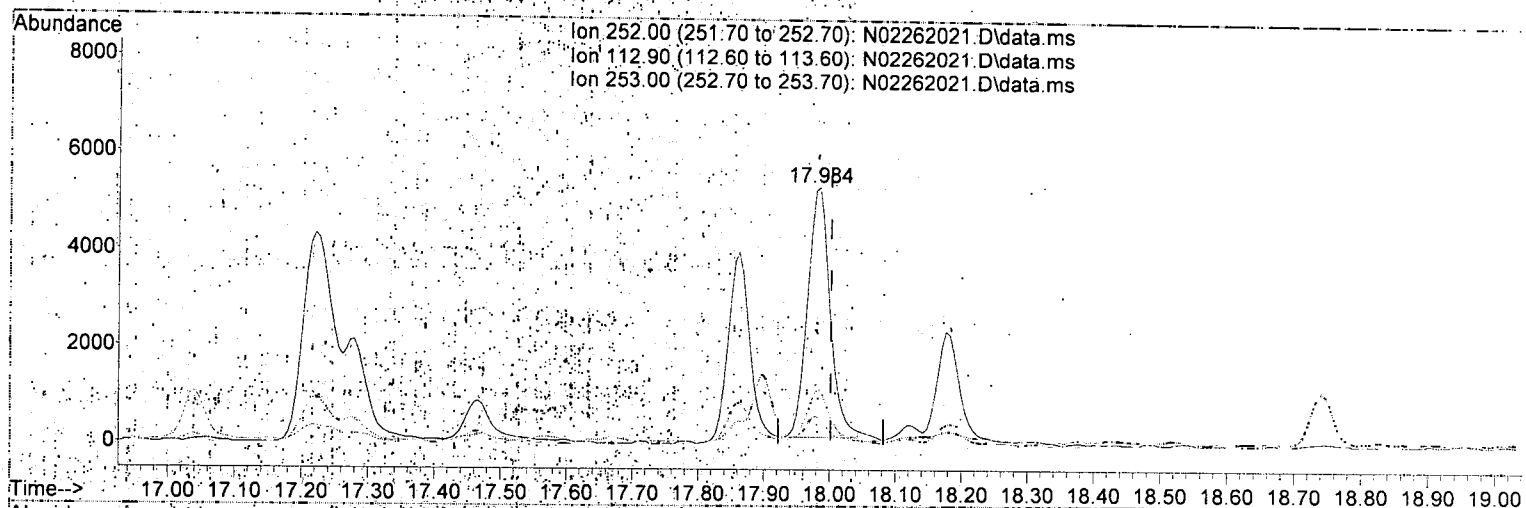
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.94
253.00	21.50	23.21
0.00	0.00	0.00

OAMS
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Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth:LV114_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(35) Benzo(a)pyrene (T)

17.984min (-0.018) 6.92 ng/ml

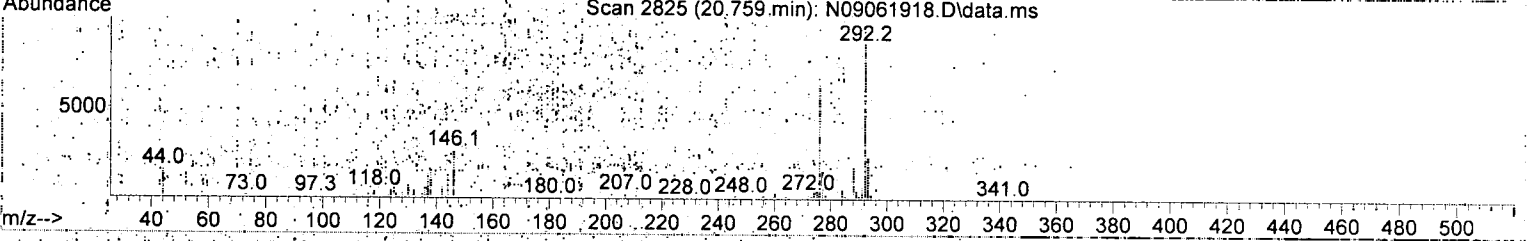
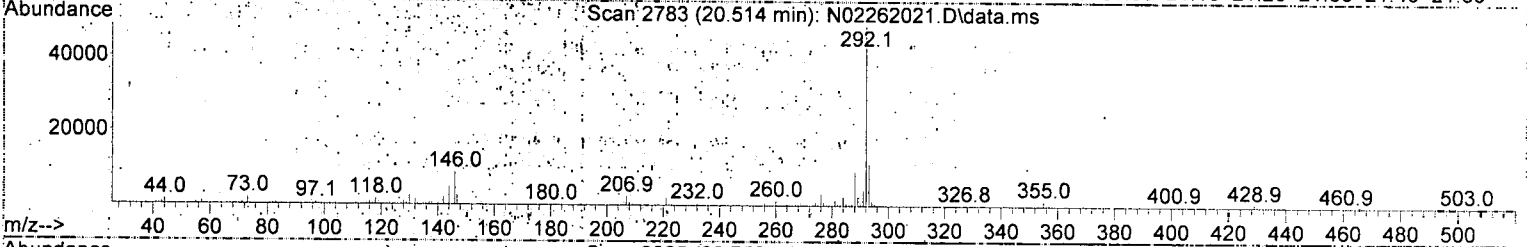
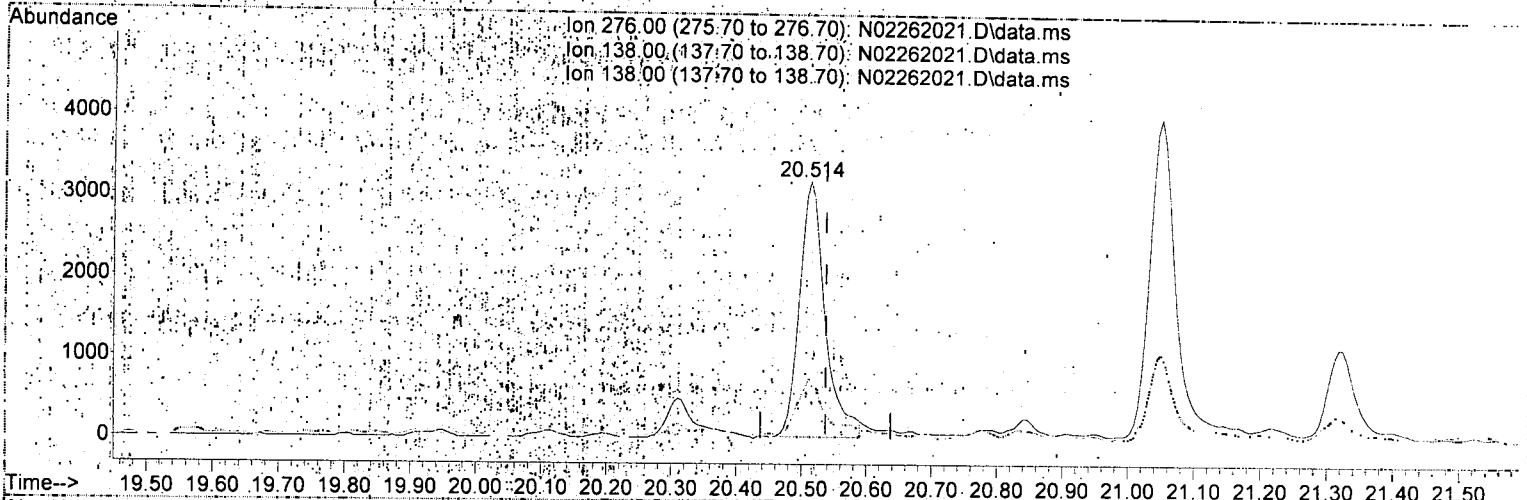
response 12401

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	10.11
253.00	21.90	21.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

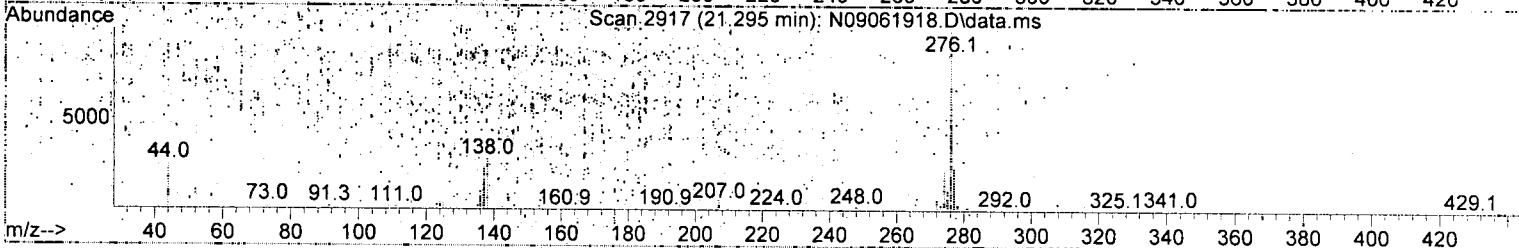
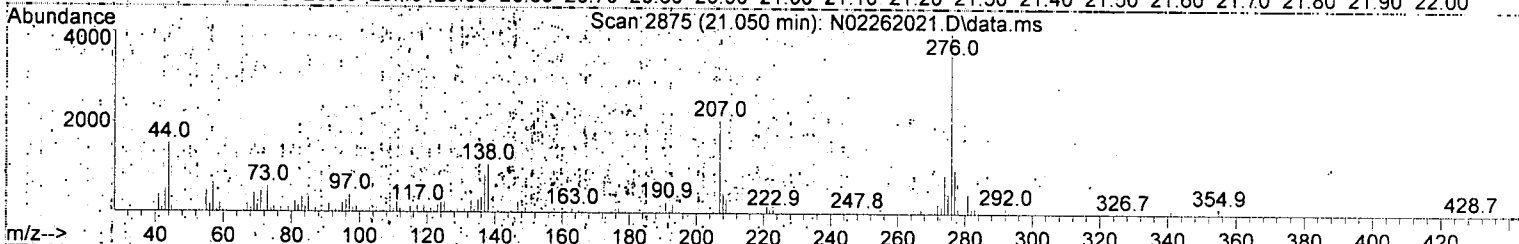
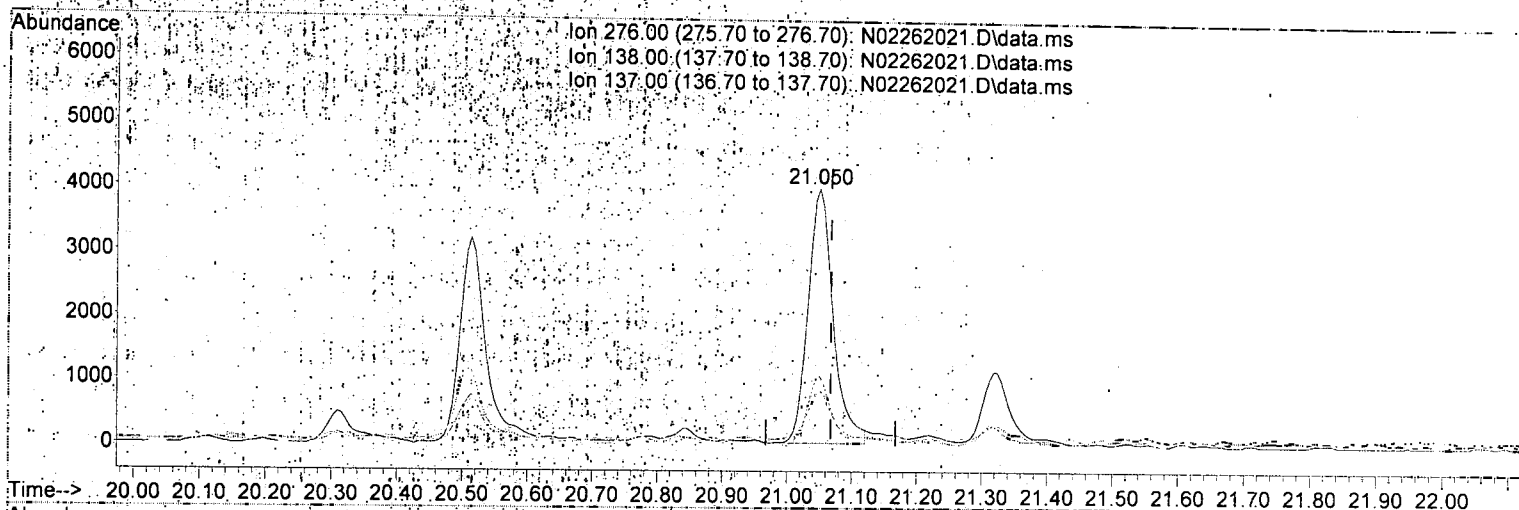
20.514min (-0.023) 4.93 ng/ml

response	8659
Ion	Exp% Act%
276.00	100.00 100.00
138.00	31.60 24.04
138.00	31.60 24.04
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262021.D\data.ms

(40) Benzo(g,h,i)perylene (T)

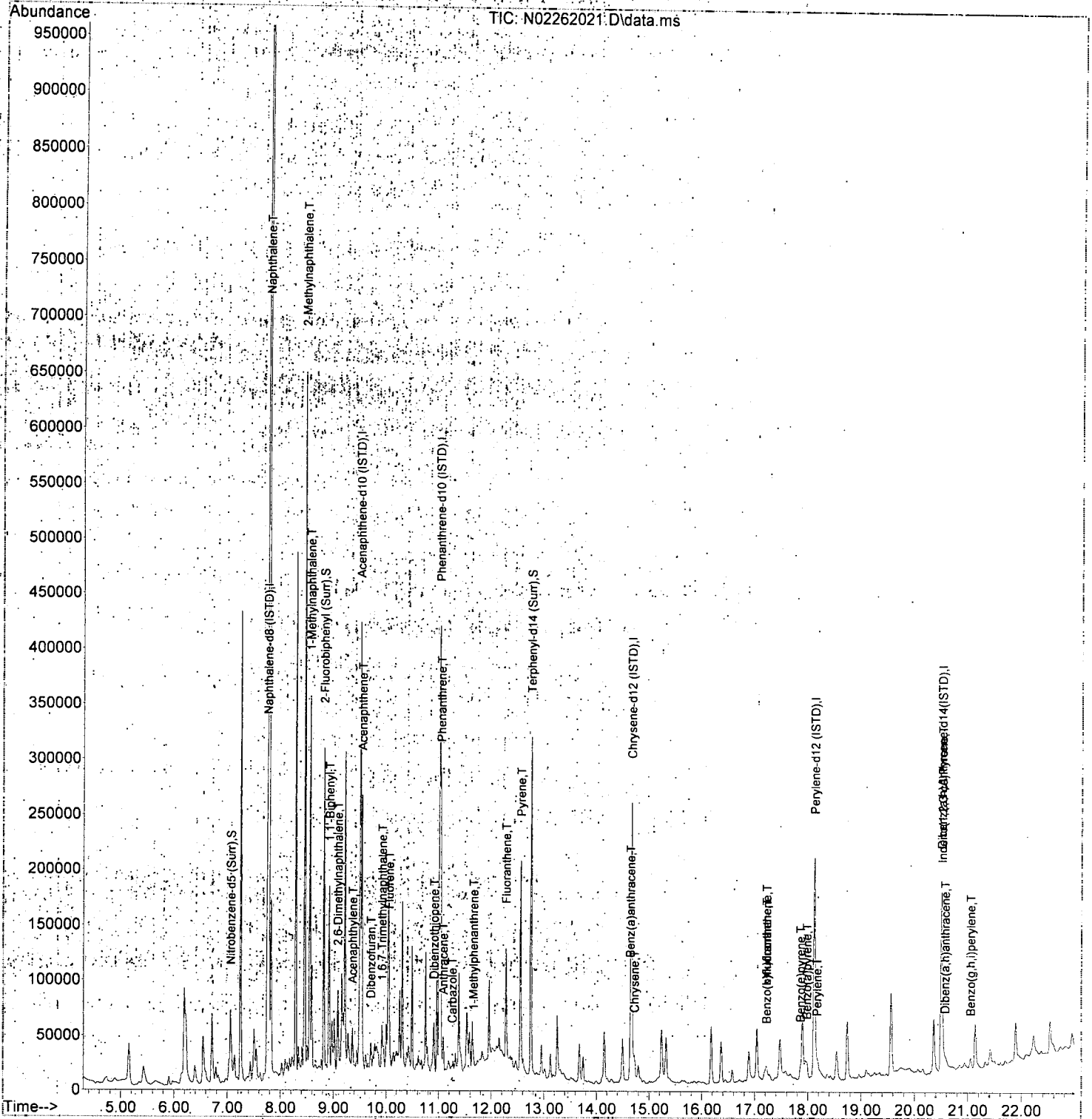
21.050min (-0.018) 5.72 ng/ml

response 10663

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	26.79
137.00	18.60	21.31
0.00	0.00	0.00

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262021.D
 Acq On : 26 Feb 2020 08:26 pm
 Operator : JK/.AMS/.DTH
 Sample : A0B0681-04
 Misc : 1x 8270D.LL.PAH ONLY
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:27 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

AMS
2/27/20

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	173795	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.504	162	112687	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	195191	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	147003	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.118	264	139981	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d	20.508	292	104857	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.044	82	56	0.10	ng/ml	-0.02	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.352	160	4949	0.74	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.762	244	137	0.09	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S)	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.772	128	218882	114.19	ng/ml	100	
5) 2-Methylnaphthalene	8.460	142	49452	30.44	ng/ml	97	
6) 1-Methylnaphthalene	8.559	142	27998	17.24	ng/ml	98	
7) 1,1'-Biphenyl	8.921	154	19161	8.77	ng/ml	95	
8) 2,6-Dimethylnaphthalene	9.090	156	7057	4.42	ng/ml	99	
12) Acenaphthylene	9.364	152	6381	2.61	ng/ml	92	
13) Acenaphthene	9.538	153	30310	18.92	ng/ml	99	
14) Dibenzofuran	9.713	168	3352	1.67	ng/ml	96	
15) 1,6,7-Trimethylnaphtha.	9.923	170	1235	0.92	ng/ml	85	
16) Fluorene	10.063	166	15530	9.47	ng/ml	96	
18) Dibenzothiopene	10.908	184	12263	6.01	ng/ml	96	
19) Phenanthrene	11.036	178	100891	44.17	ng/ml	99	
20) Anthracene	11.089	178	13646	6.42	ng/ml	99	
21) Carbazole	11.264	167	2118	1.23	ng/ml	97	
22) 1-Methylphenanthrene	11.660	192	4331	2.73	ng/ml	94	
23) Fluoranthene	12.278	202	47566	20.67	ng/ml	96	
25) Pyrene	12.558	202	58153	25.32	ng/ml	100	
27) Benz(a)anthracene	14.644	228	7905	4.63	ng/ml#	59	
28) Chrysene	14.720	228	8402	5.20	ng/ml	97	
30) Benzo(b)fluoranthene	17.226	252	8773	5.43	ng/ml	94	
31) Benzo(k)fluoranthene	17.226	252	10237	6.44	ng/ml	92	
32) Benzo(b+k)fluoranthene	17.226	252	12058	7.30	ng/ml	92	
34) Benzo(e)pyrene	17.862	252	6065	3.71	ng/ml	97	
35) Benzo(a)pyrene	17.984	252	8246	15.96	ng/ml	98	
36) Perylene	18.177	252	2803	1.65	ng/ml	92	
38) Indeno(1,2,3-cd)Pyrene	20.520	276	5695	4.40	ng/ml	80	
39) Dibenz(a,h)anthracene	20.572	278	661	0.54	ng/ml	84	
40) Benzo(g,h,i)perylene	21.050	276	7158	5.22	ng/ml	94	

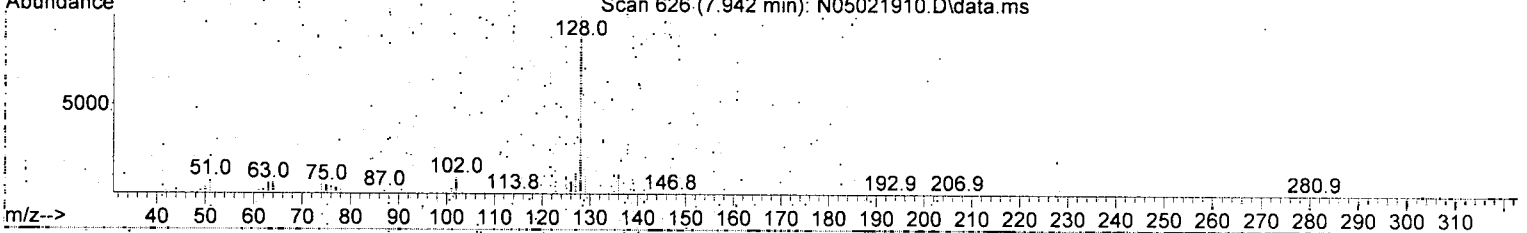
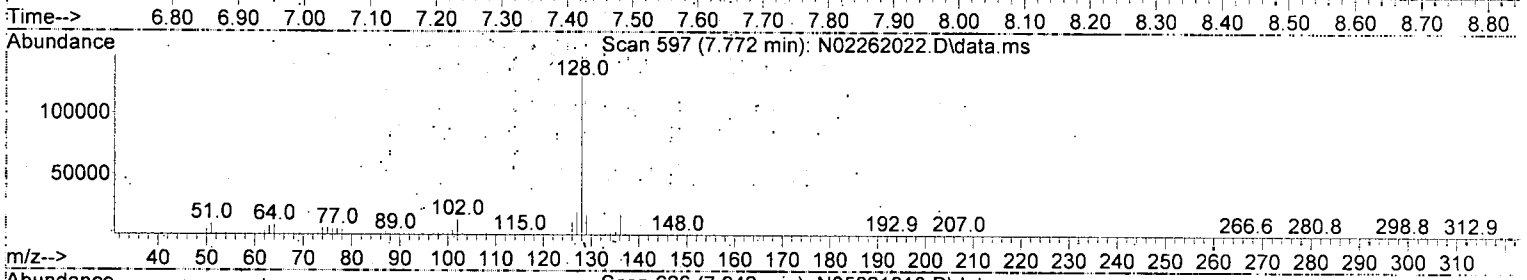
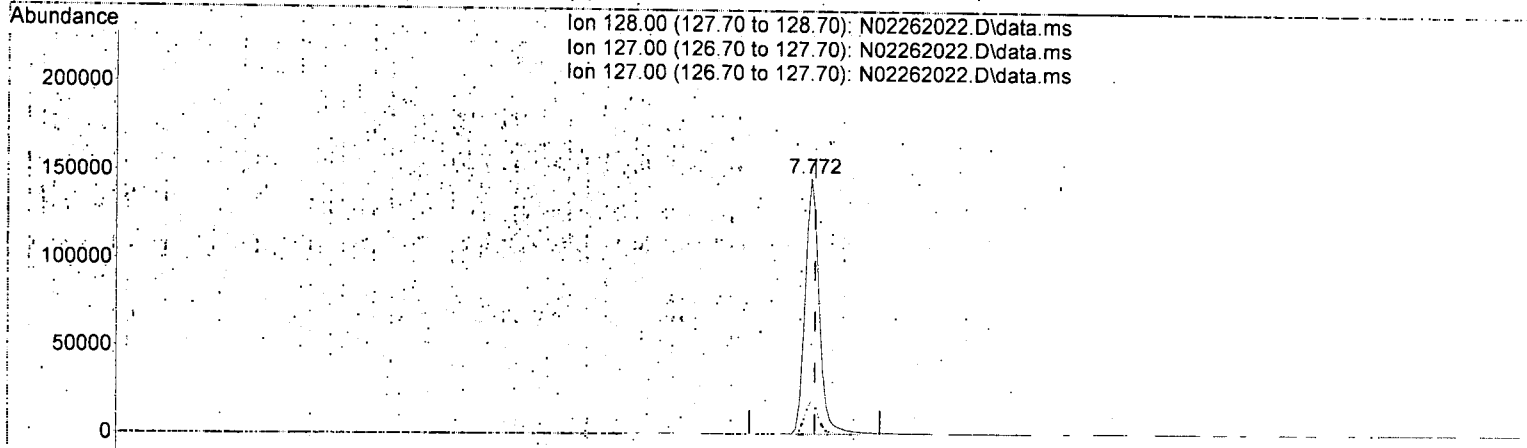
(#) = qualifier out of range (m) = manual integration (+) = signals summed

MI-ND

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D.LL.PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(4) Naphthalene (T)

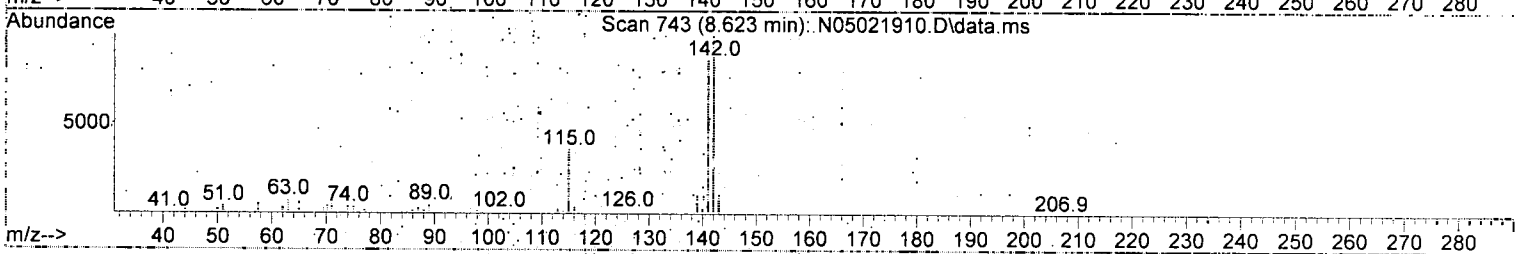
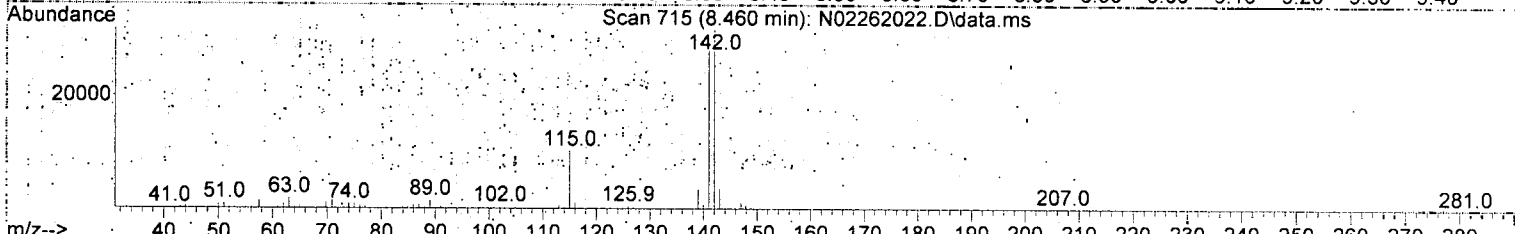
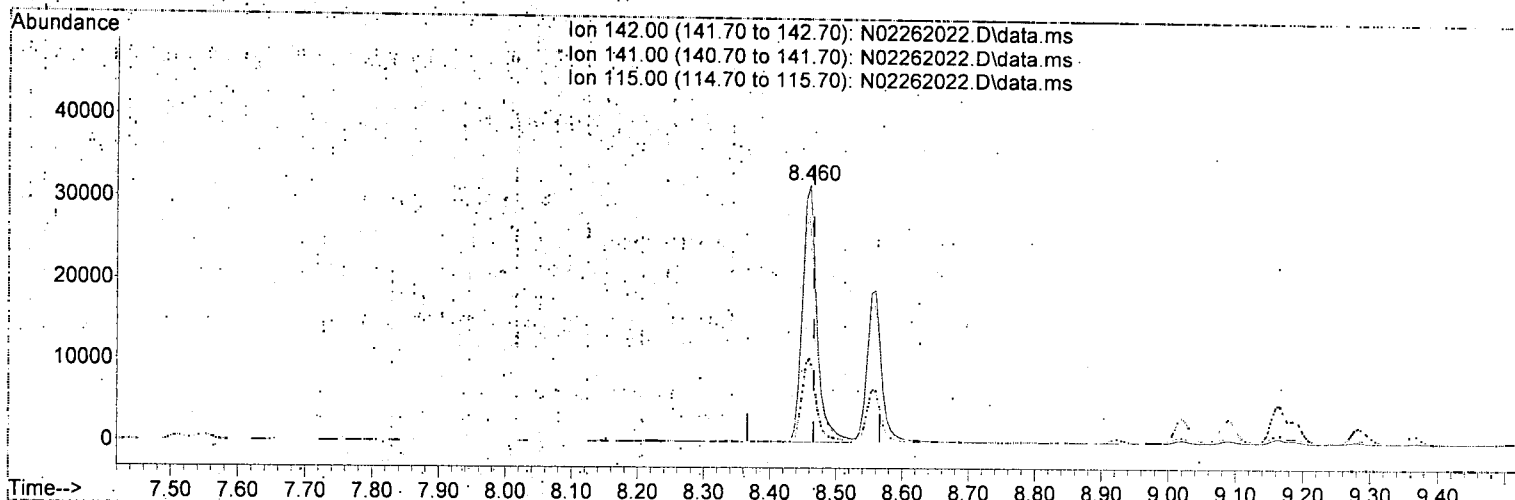
7.772min (-0.006) 114.19 ng/ml

response	218882
Ion	Exp% Act%
128.00	100.00 100.00
127.00	12.60 12.79
127.00	12.60 12.79
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 Last Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(5) 2-Methylnaphthalene (T)

8.460min (-0.006) 30.44 ng/ml

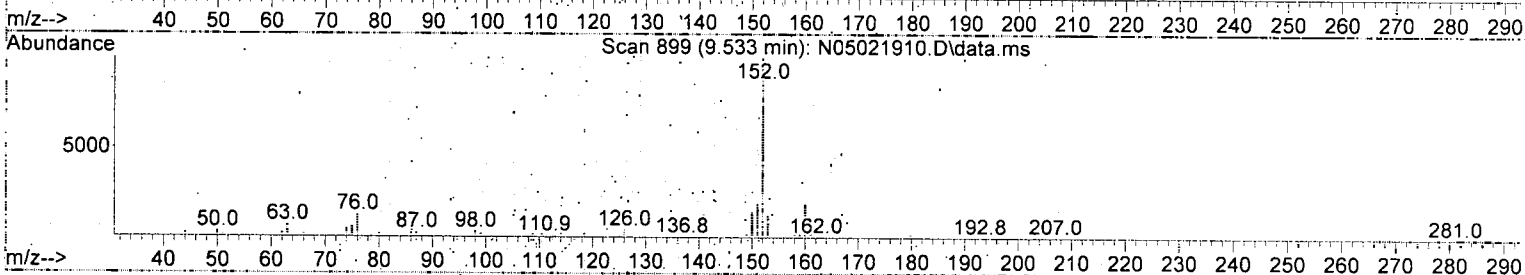
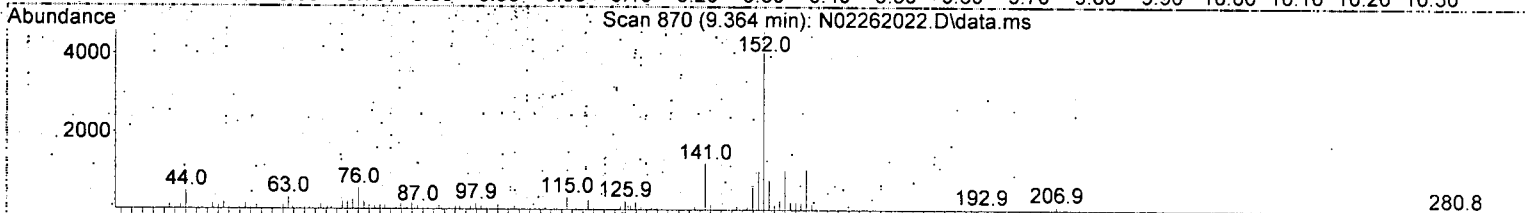
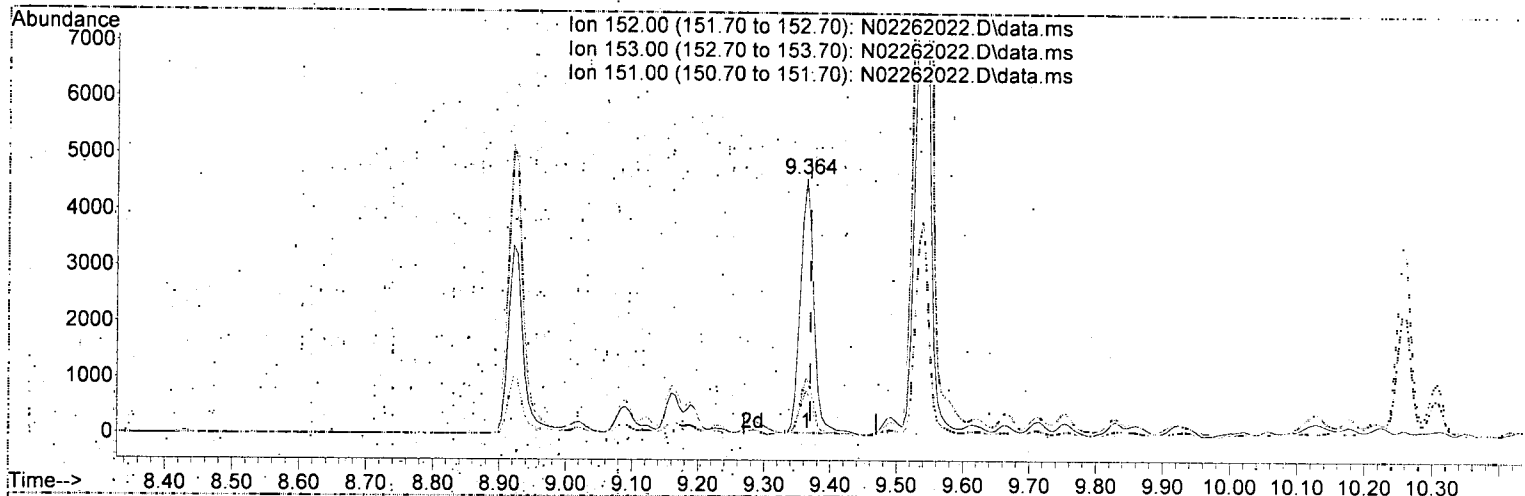
response 49452

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	88.26
115.00	35.70	32.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(12) Acenaphthylene (T)

9.364min (-0.006) 2.61 ng/ml

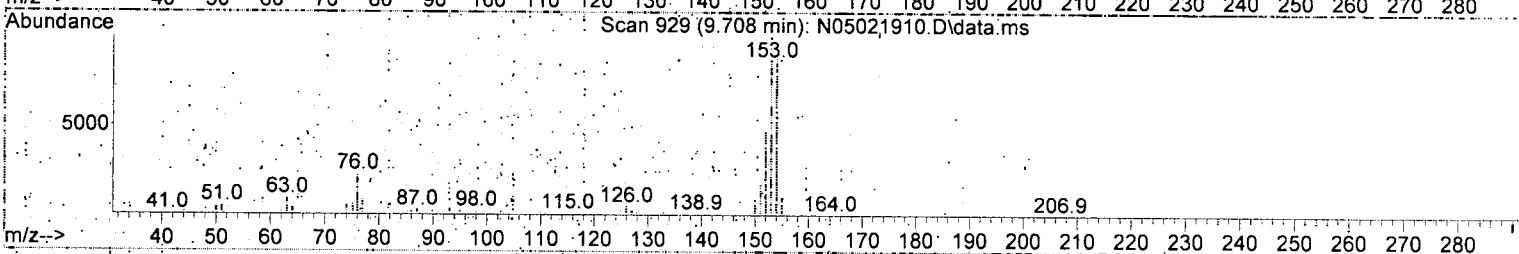
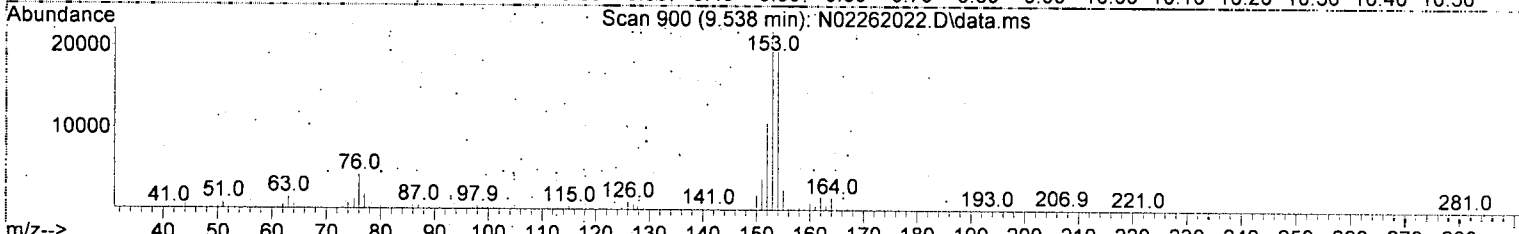
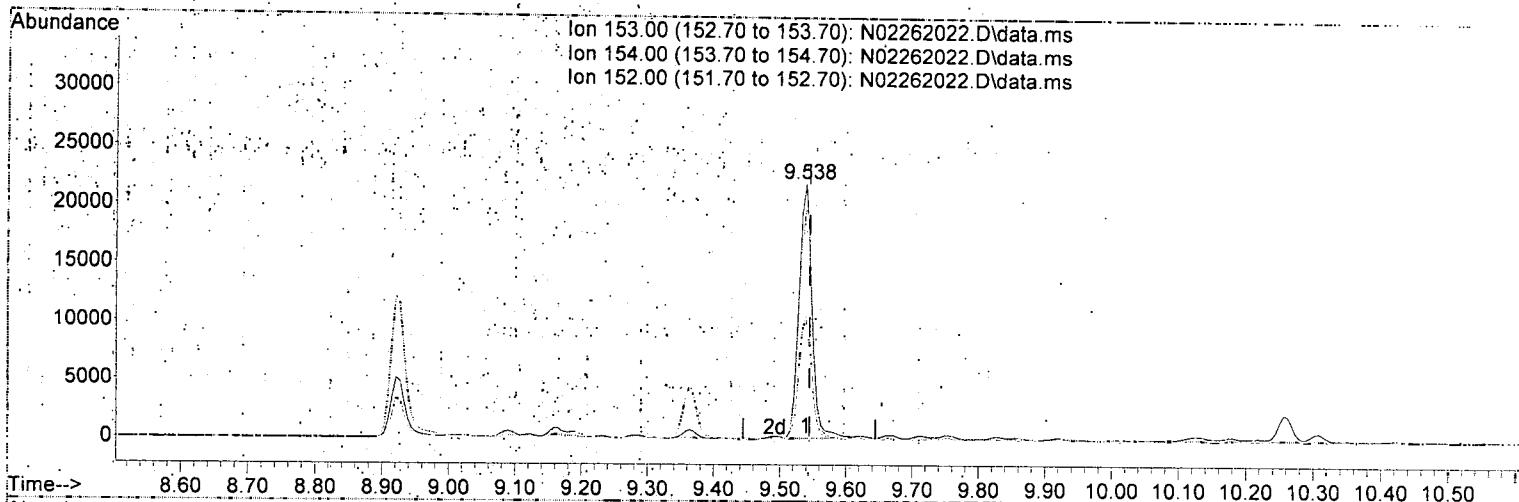
response 6381

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	16.99
151.00	19.30	22.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(13) Acenaphthene (T)

9.538min (-0.006) 18.92 ng/ml

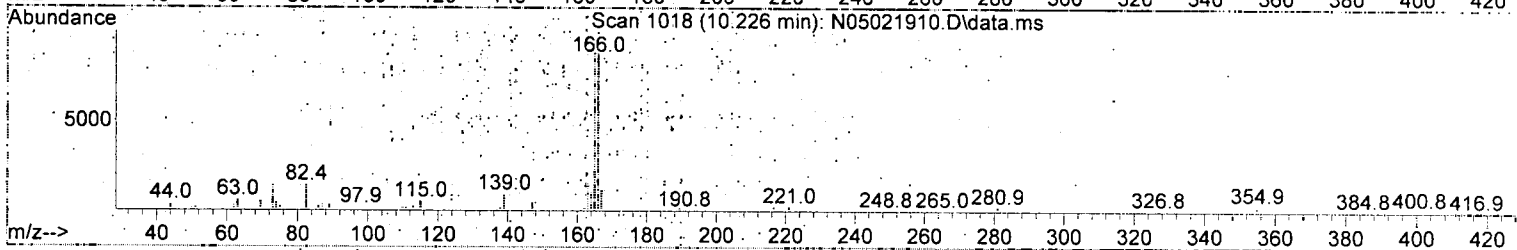
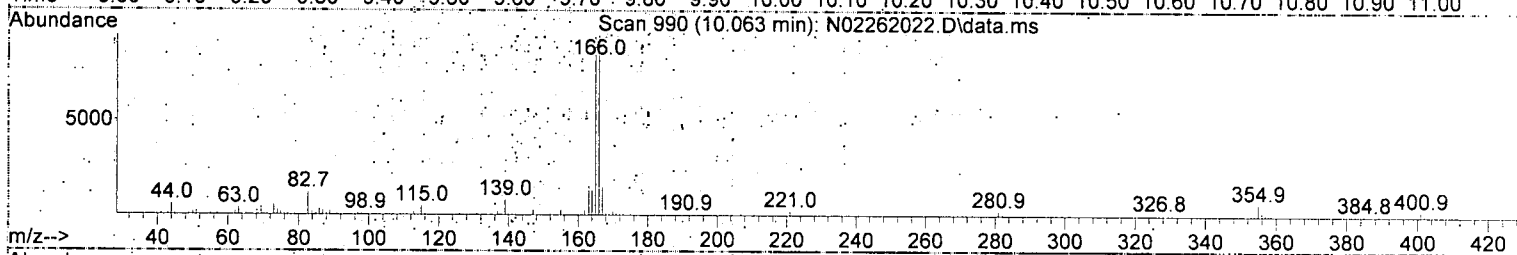
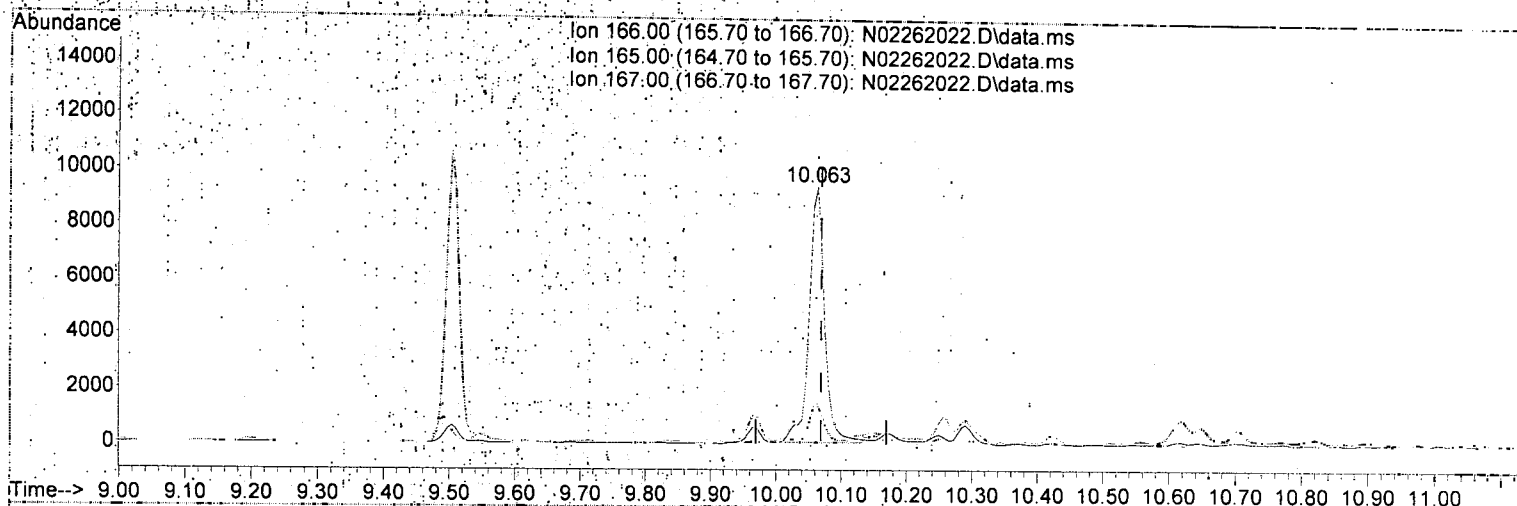
response 30310

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.08
152.00	46.80	48.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D_LL_PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(16) Fluorene (T)

10.063min (-0.006) 9.47 ng/ml

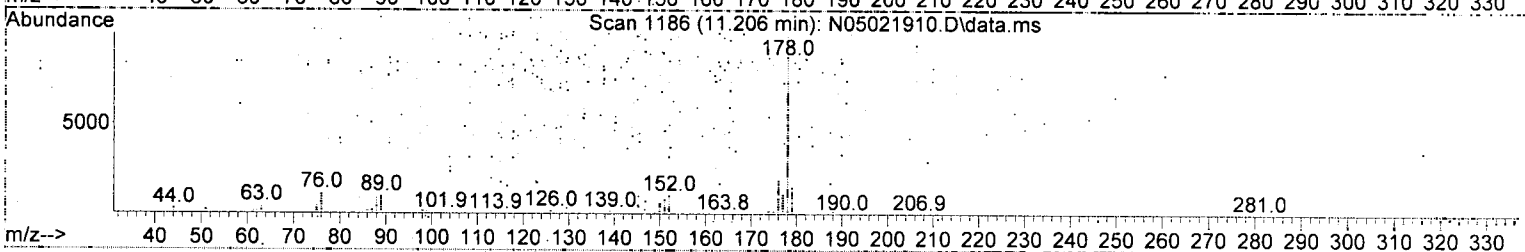
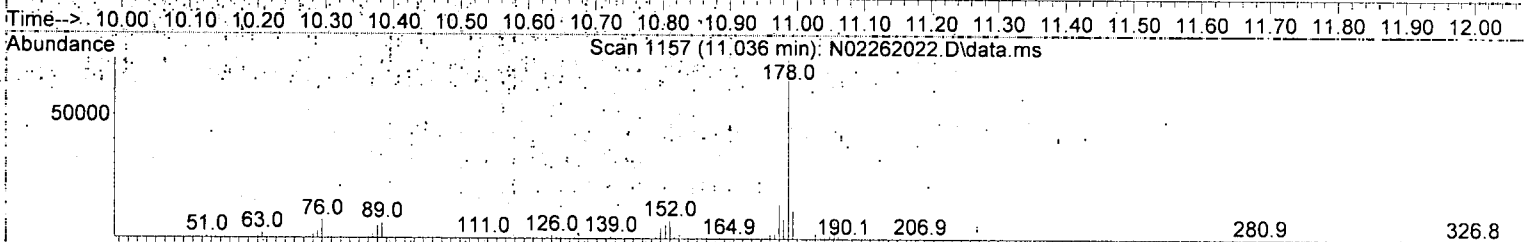
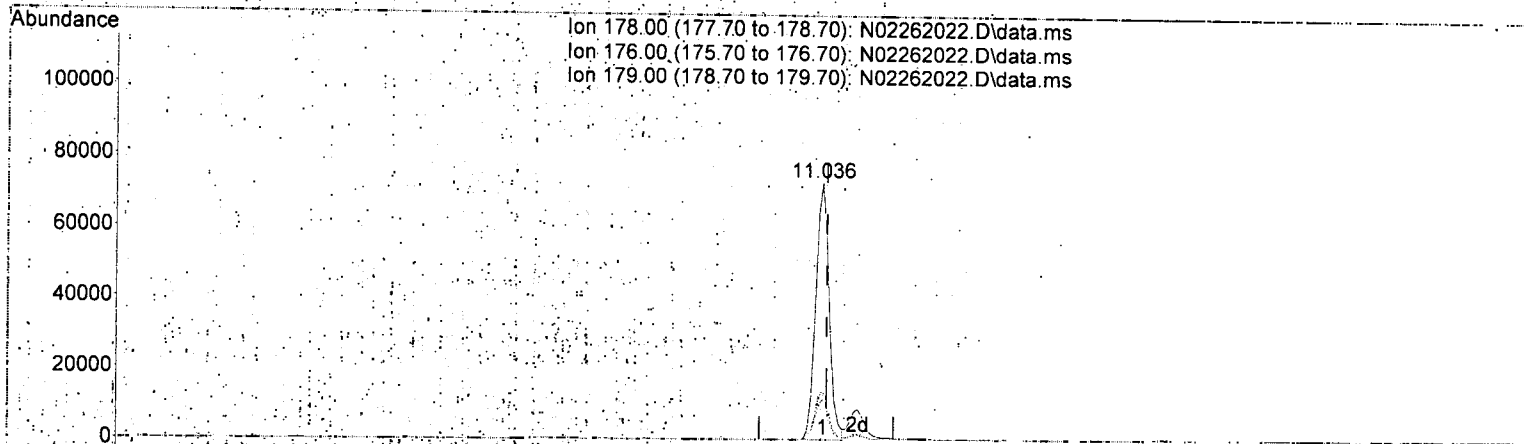
response 15530

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	99.22
167.00	13.60	15.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



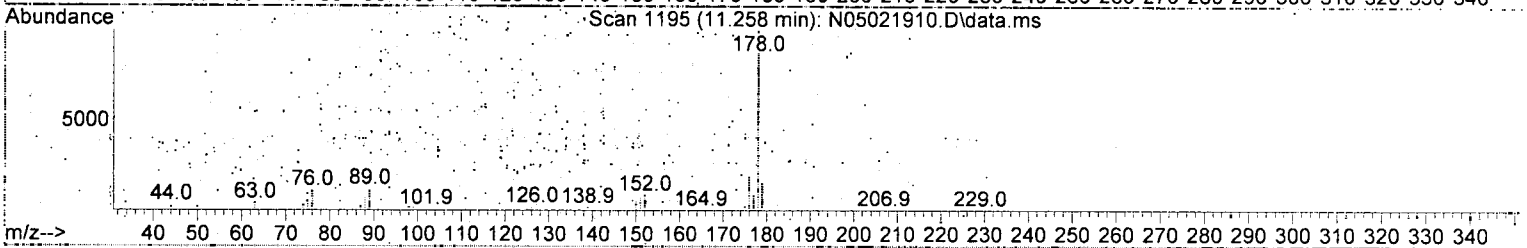
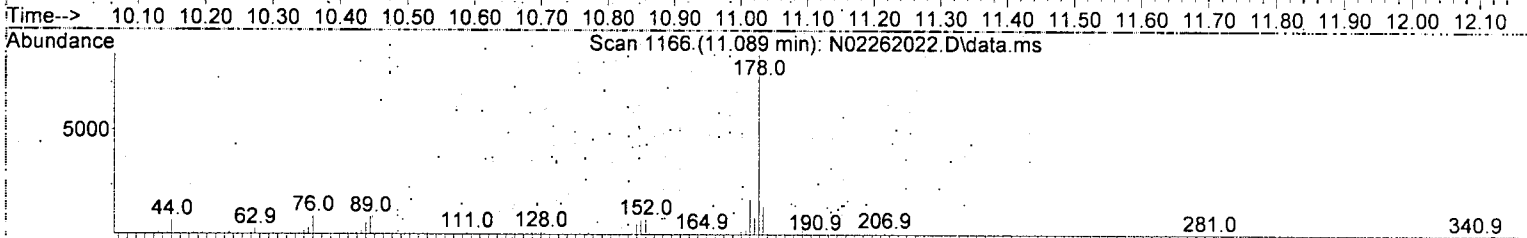
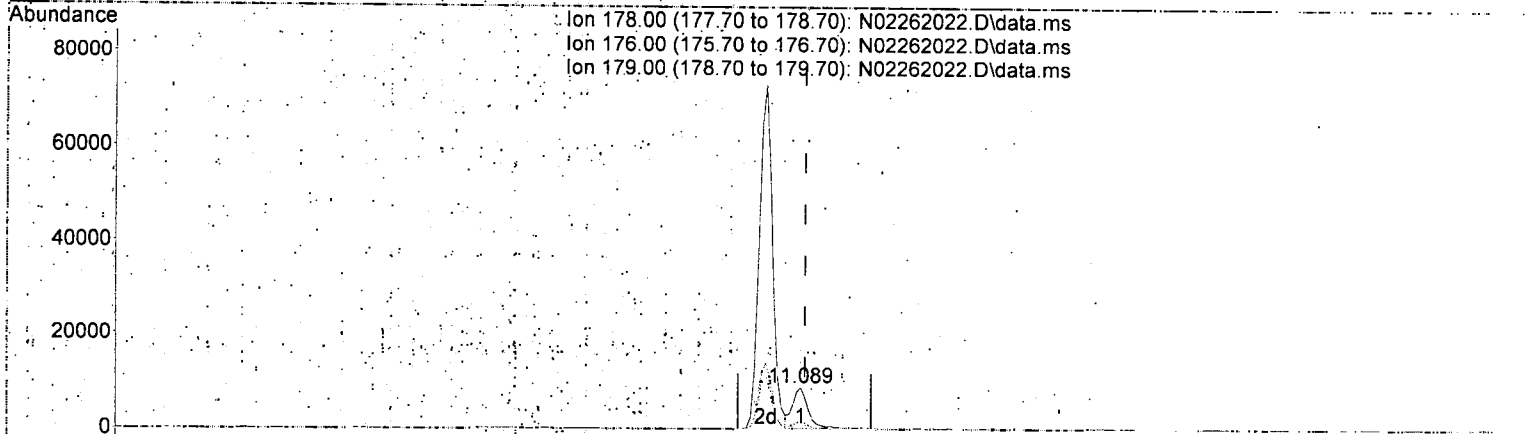
TIC: N02262022.D\data.ms

(19) Phenanthrene (T)		
11.036min (-0.006) 44.17 ng/ml		
response	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.12
179.00	15.10	15.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(20) Anthracene (T)

11.089min (-0.006) 6.42 ng/ml

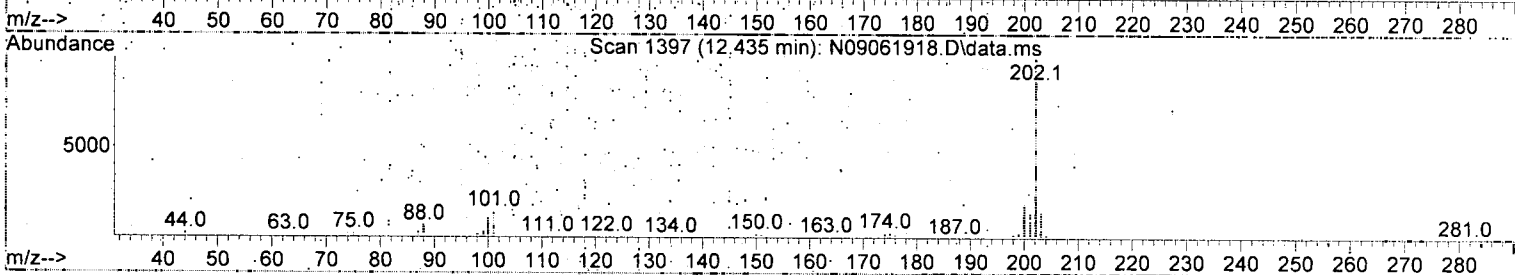
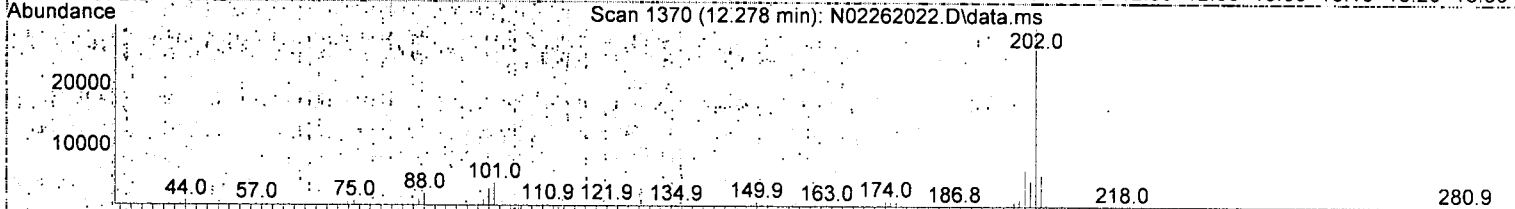
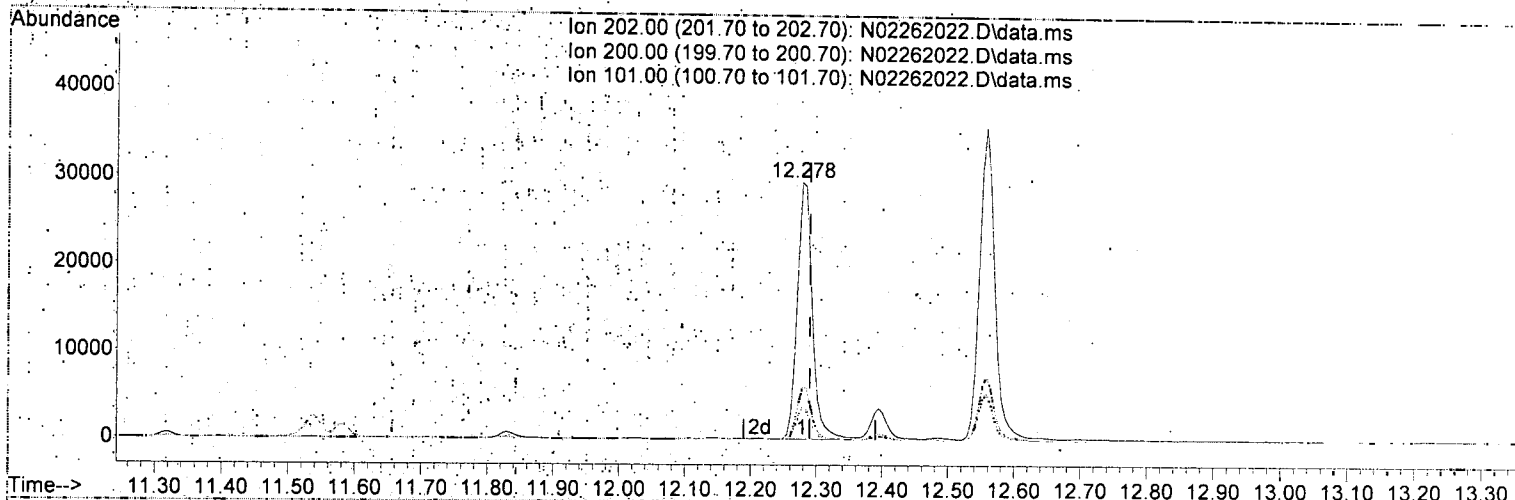
response 13646

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	19.66
179.00	15.30	15.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D.LL:PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(23) Fluoranthene (T)

12.278min (-0.012) 20.67 ng/ml

response 47566

Ion	Exp%	Act%
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202.00	100.00	100.00
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200.00	19.70	20.46
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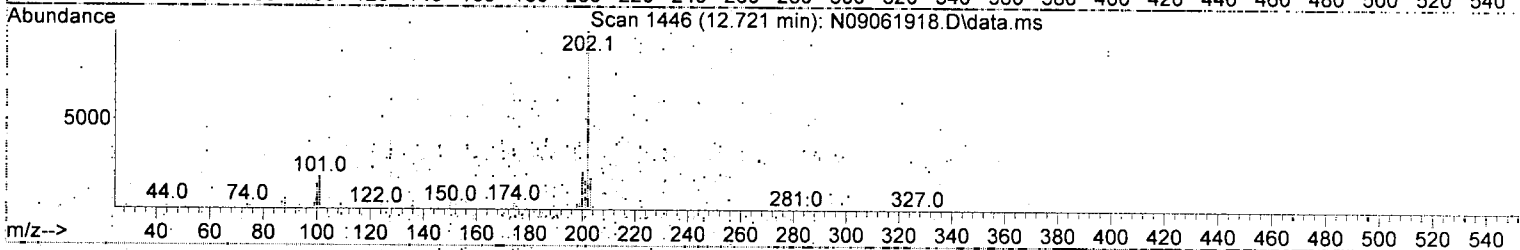
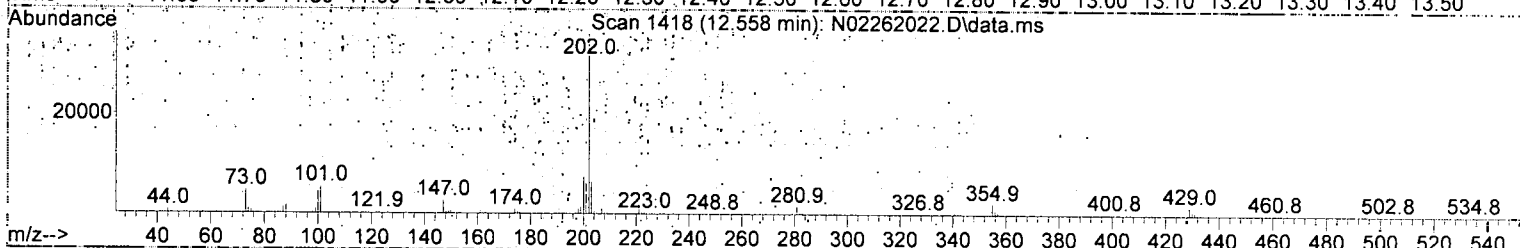
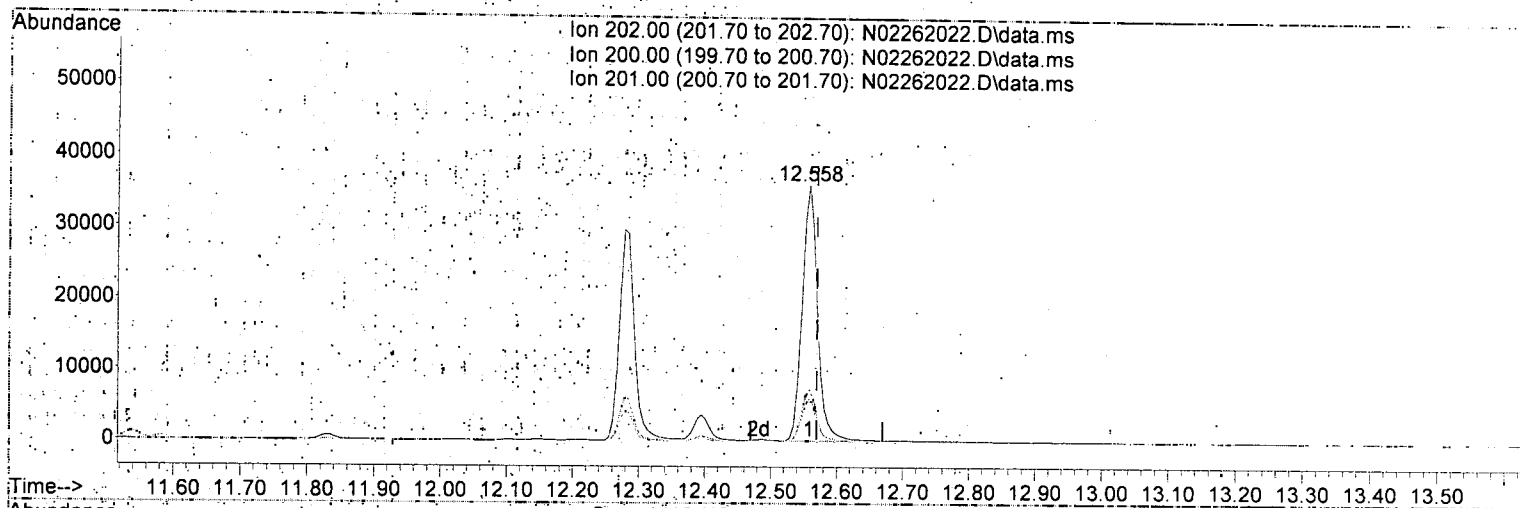
101.00	15.30	12.68
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0.00	0.00	0.00
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Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D-LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(25) Pyrene (T)

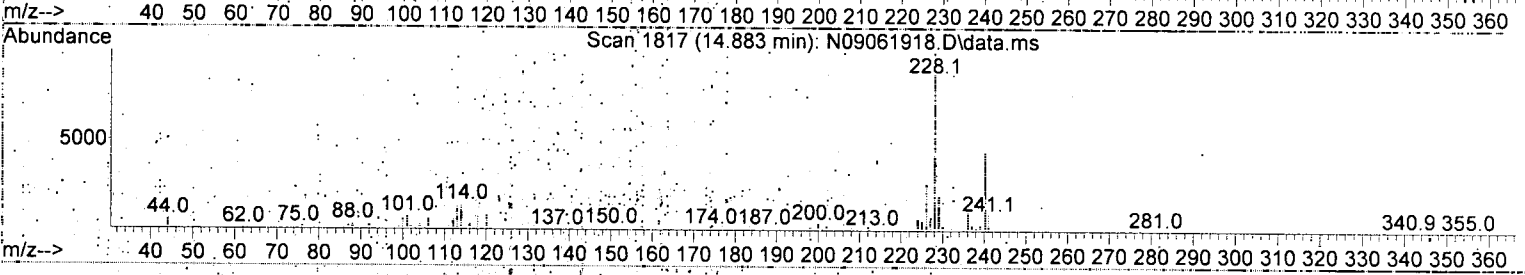
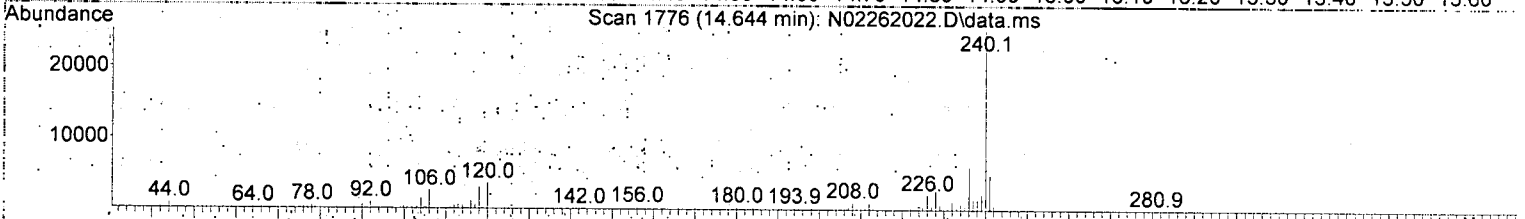
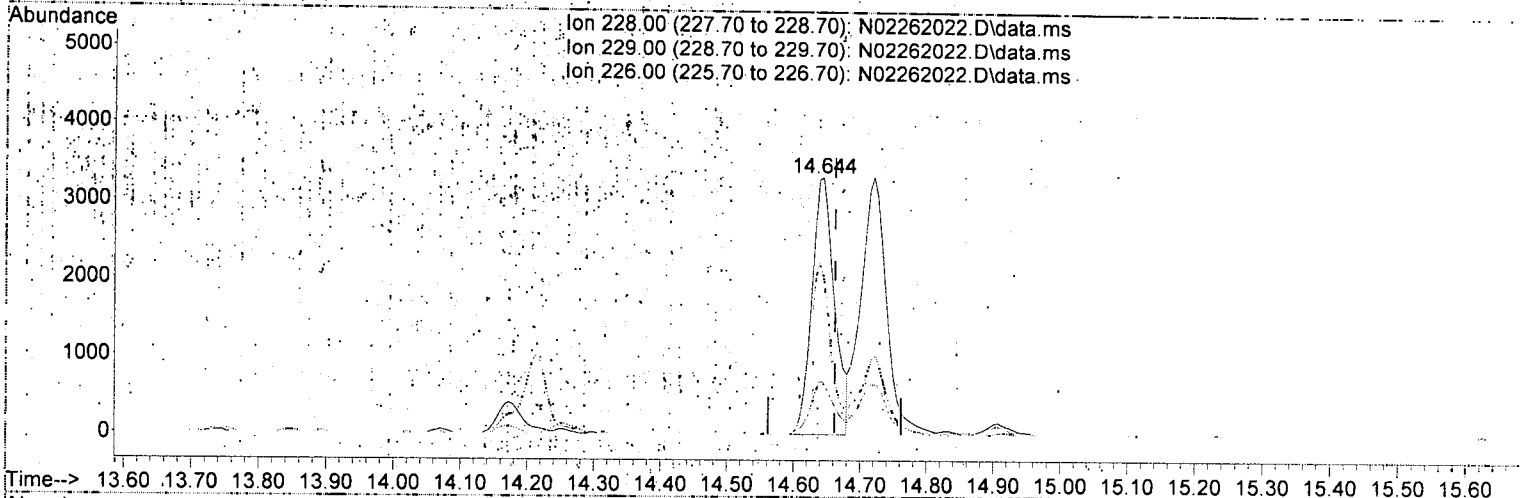
12.558min (-0.012) 25.32 ng/ml

response	58153
Ion	Exp% Act%
202.00	100.00 100.00
200.00	20.70 20.41
201.00	16.80 16.73
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(27) Benz(a)anthracene (T)

14.644min (-0.018) 4.63 ng/ml

response 7905

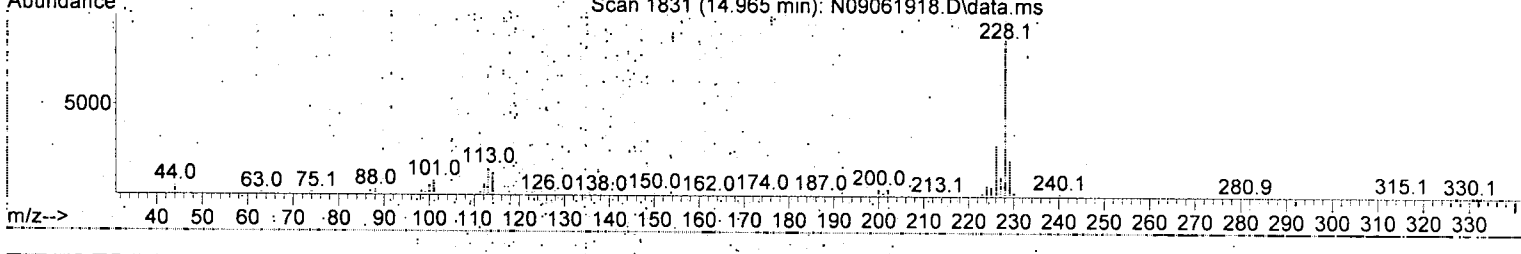
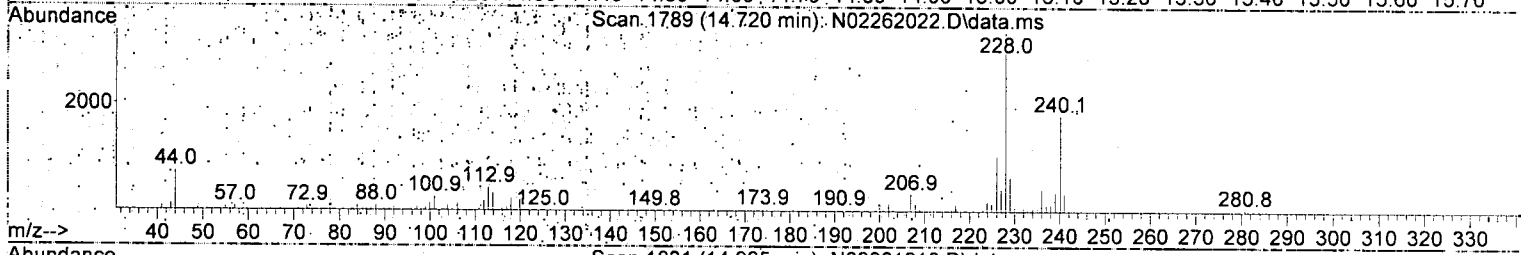
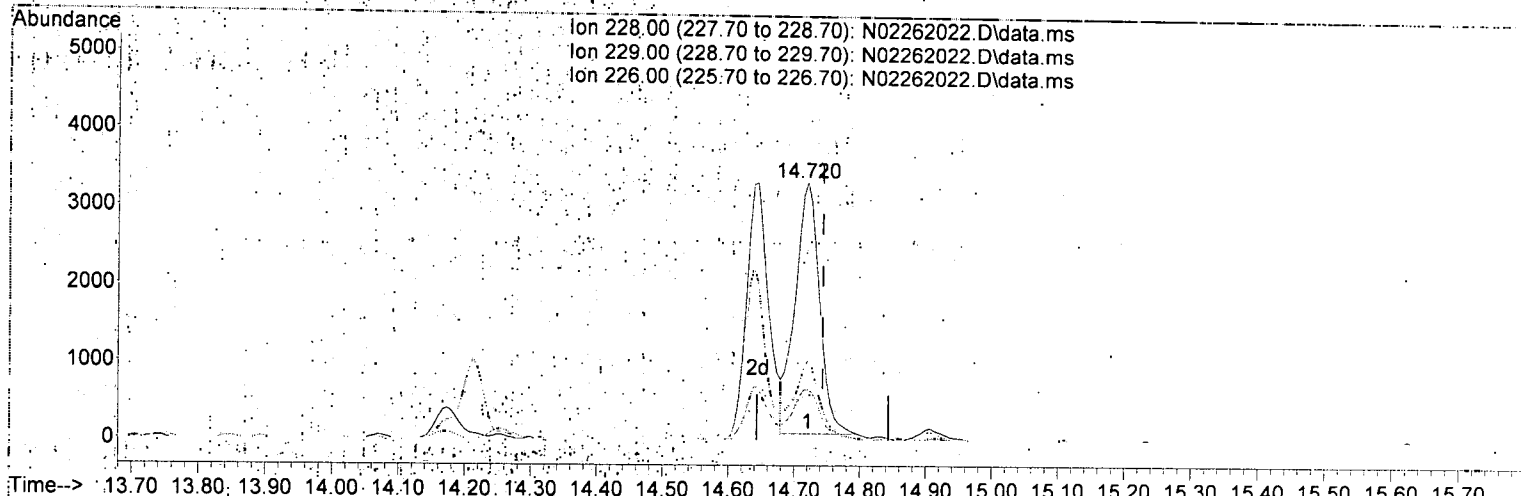
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.52
226.00	26.20	62.02#
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D Semivolatile Organics
 Last Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(28) Chrysene (T)

14.720min (-0.023) 5.20 ng/ml

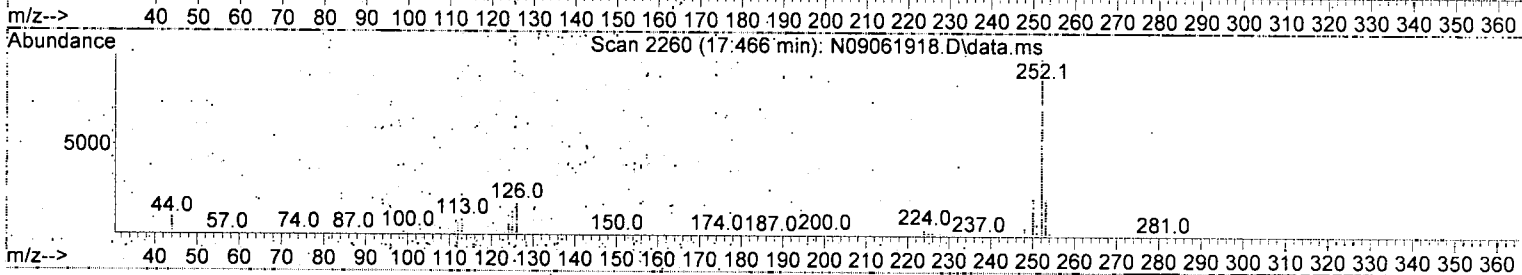
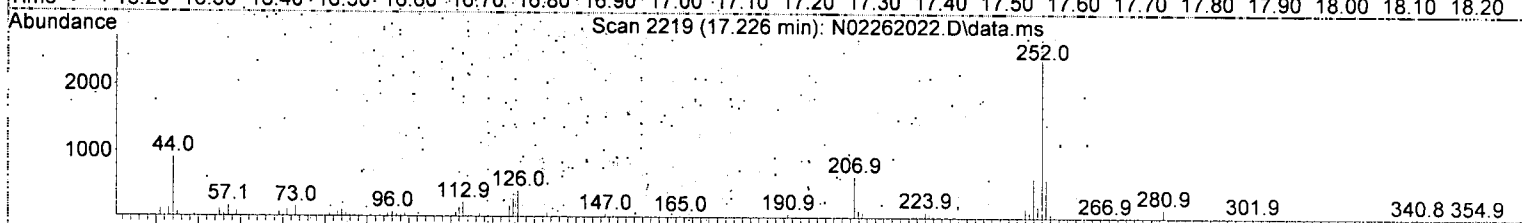
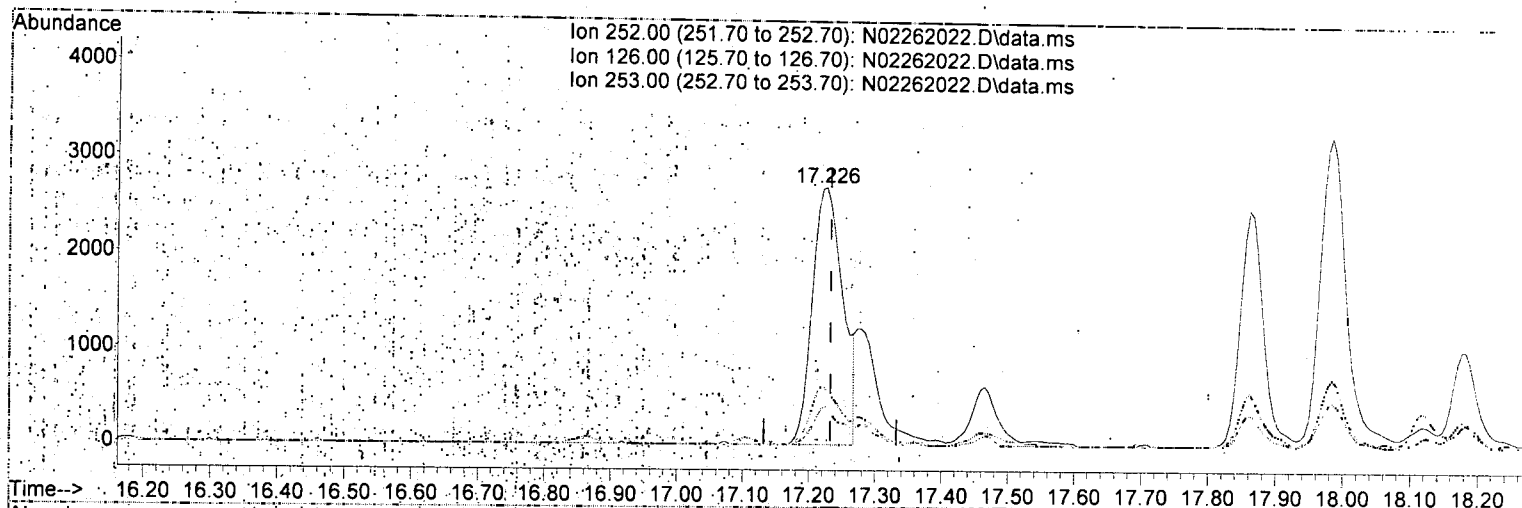
response 8402

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	19.81
226.00	28.60	31.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(30) Benzo(b)fluoranthene (T)

17.226min (-0.006) 5.43 ng/ml

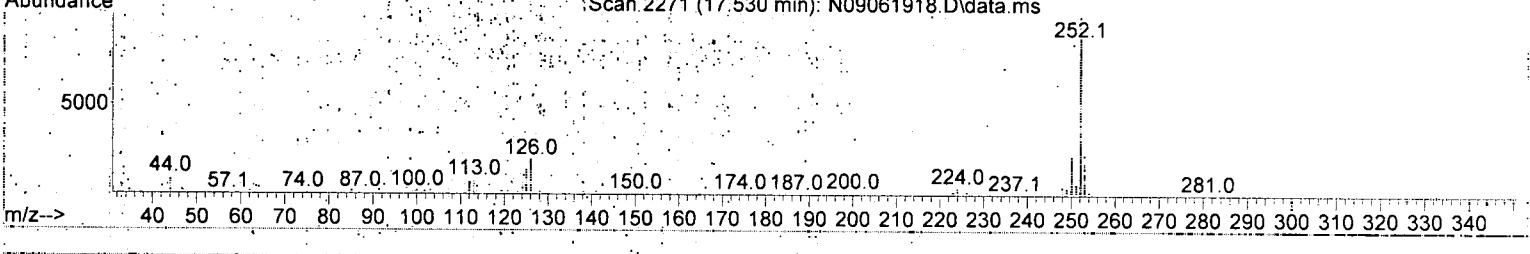
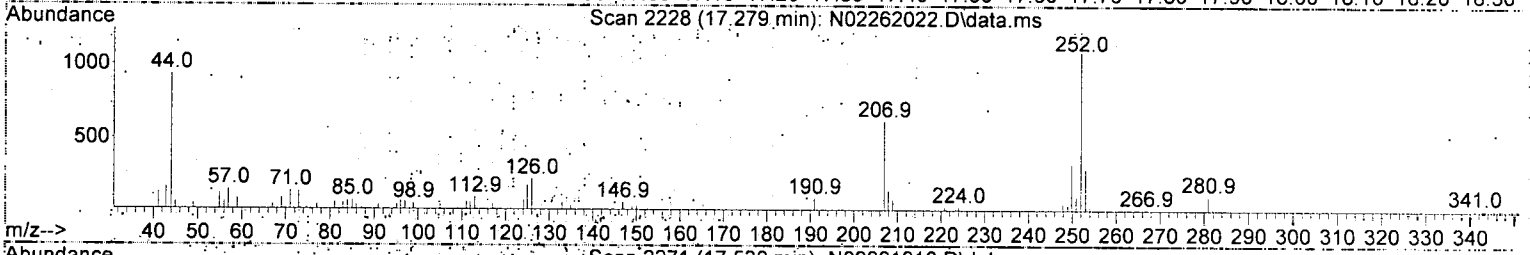
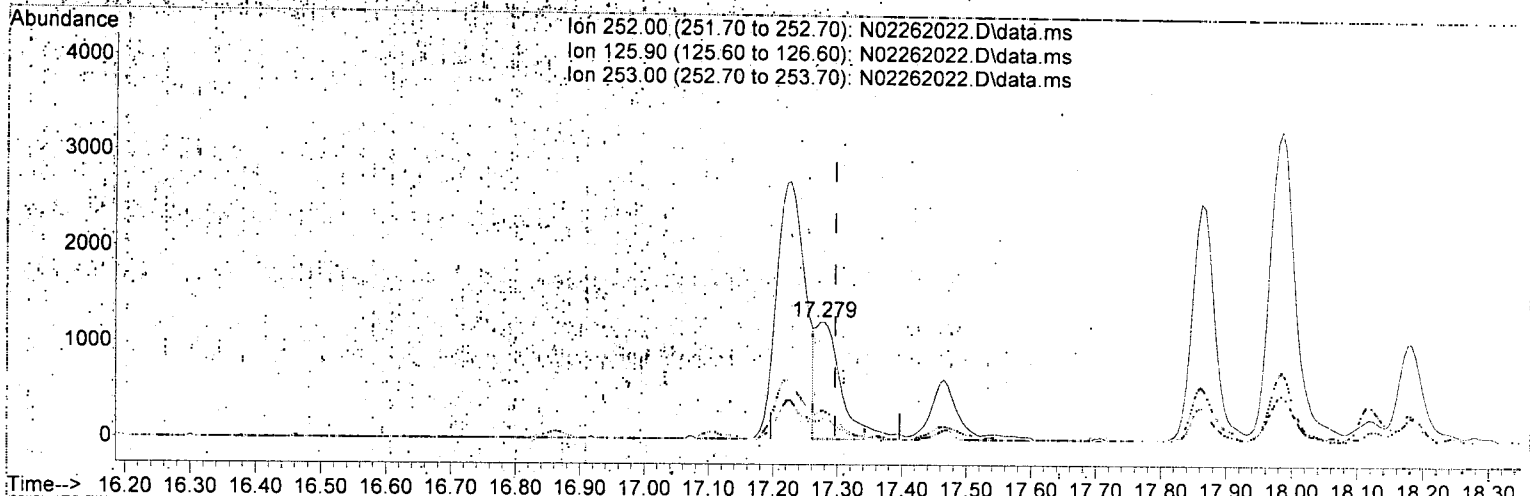
response 8773

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	15.19
253.00	21.10	21.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.018) 2.00 ng/ml m

response 3188

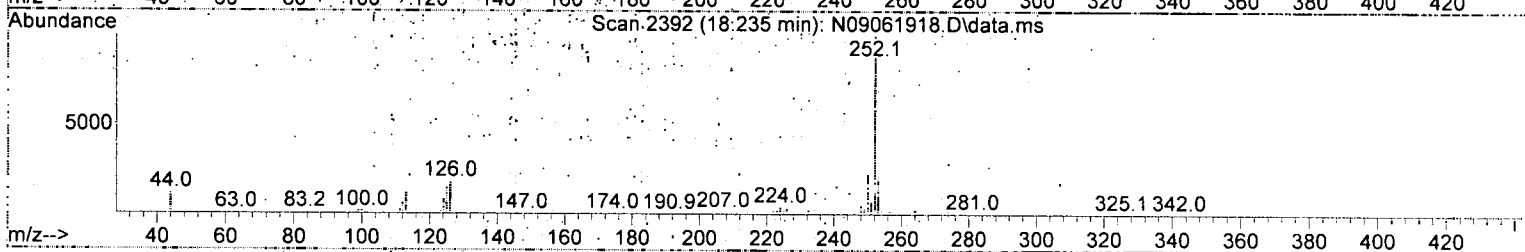
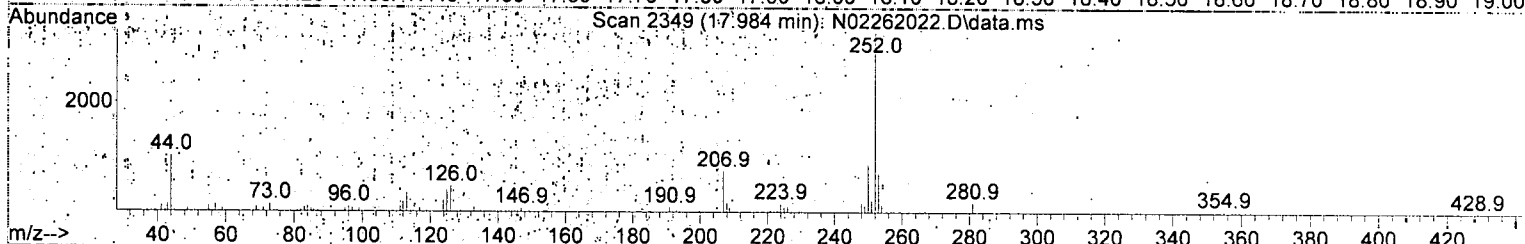
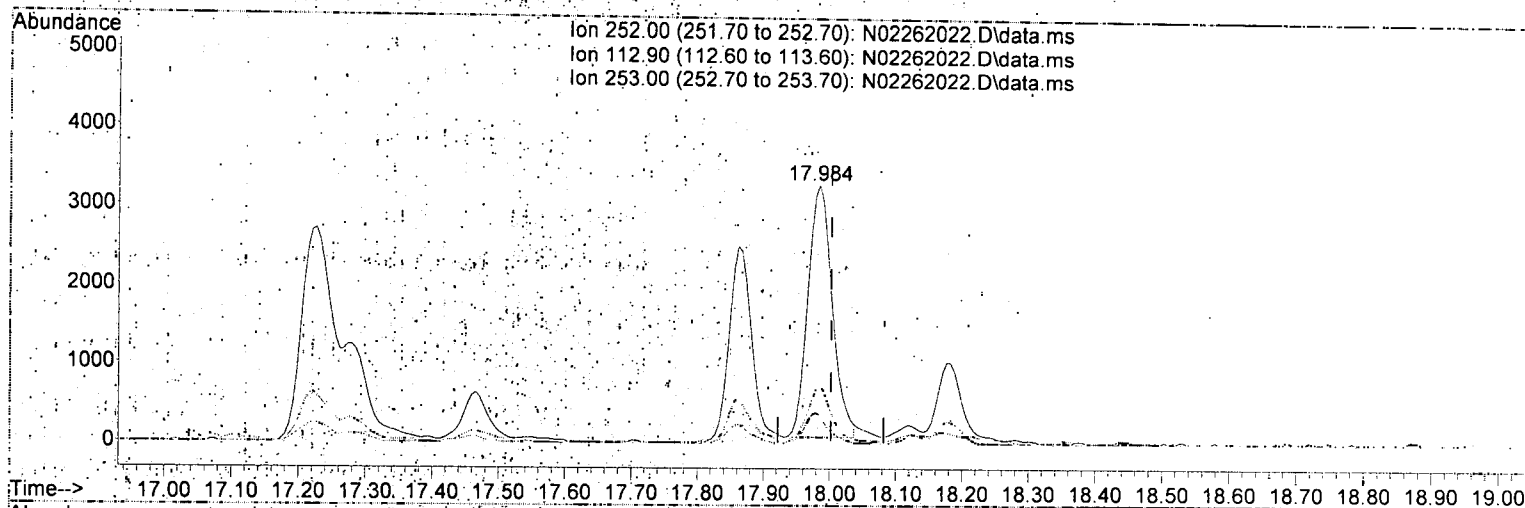
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	18.12
253.00	21.50	23.95
0.00	0.00	0.00

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Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@1000000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(35) Benzo(a)pyrene (T)

17.984min (-0.018) 5.96 ng/ml

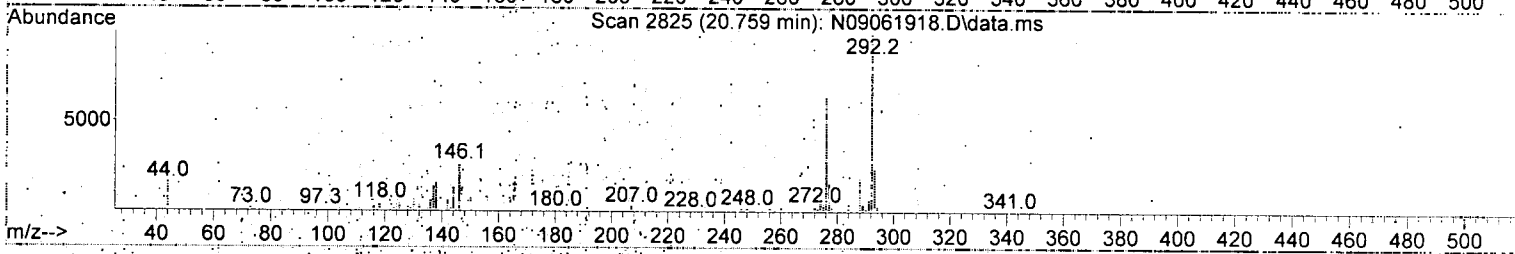
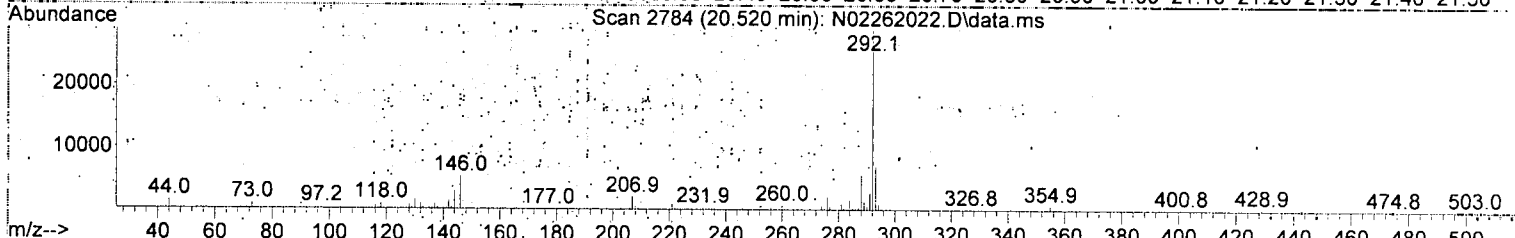
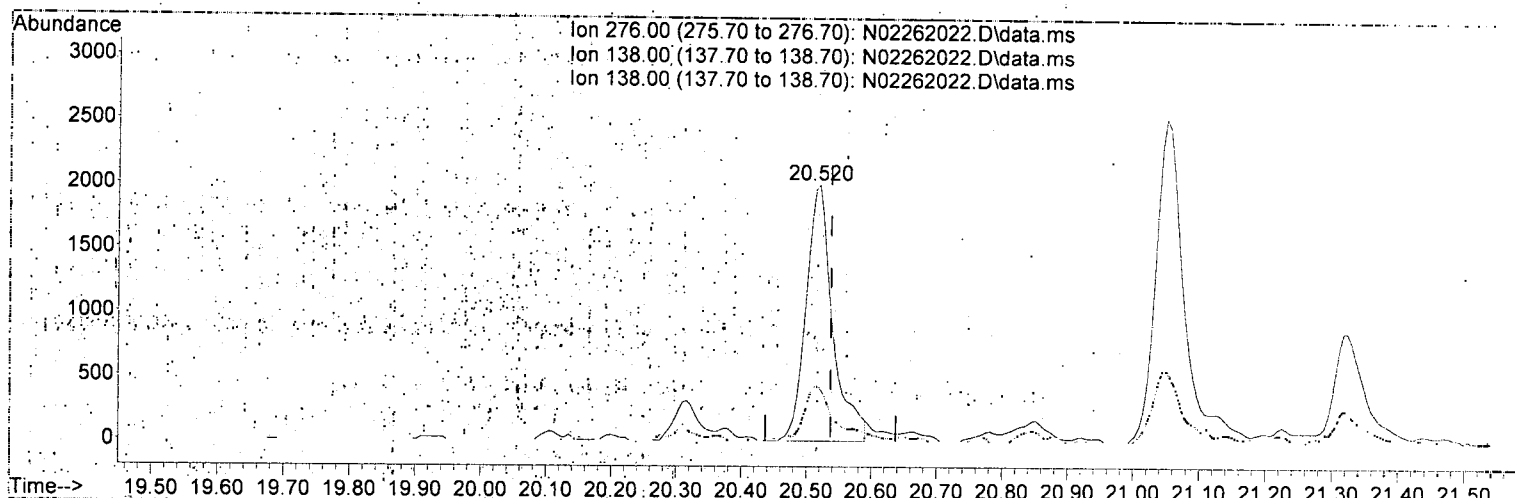
response 8246

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	10.94
253.00	21.90	22.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

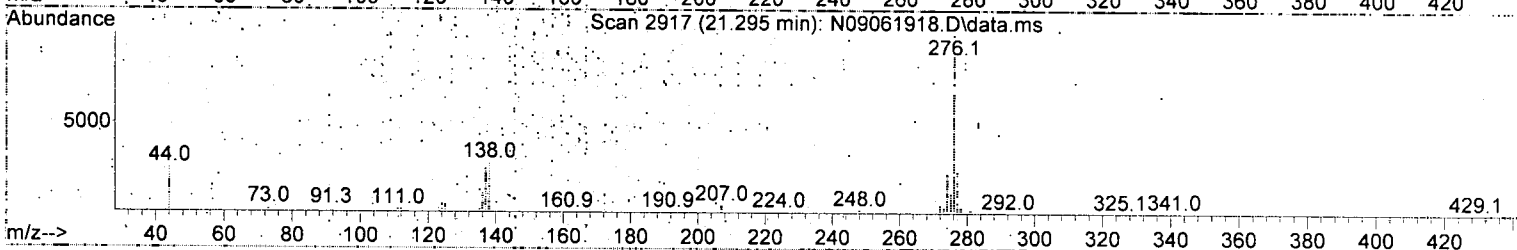
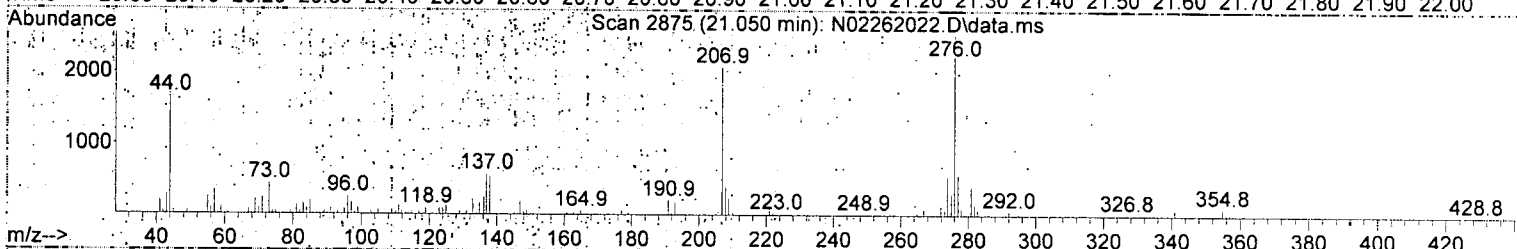
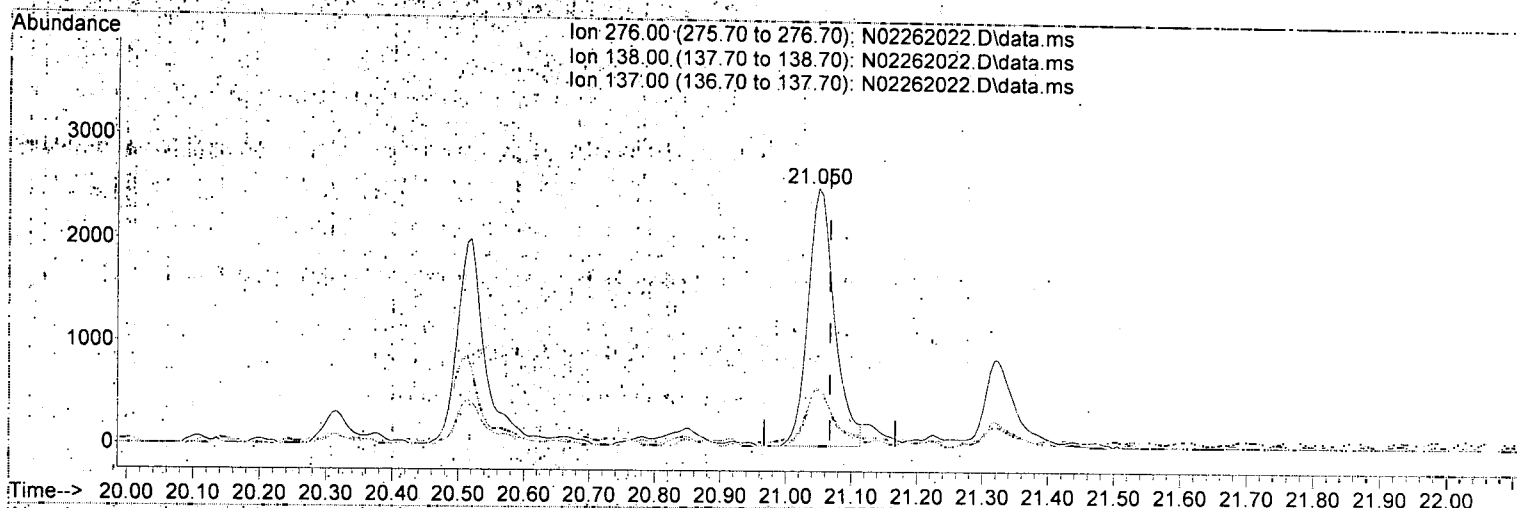
20.520min (-0.018) 4.40 ng/ml

response	5695
Ion	Exp% Act%
276.00	100.00 100.00
138.00	31.60 20.59
138.00	31.60 20.59
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262022.D\data.ms

(40) Benzo(g,h,i)perylene (T)

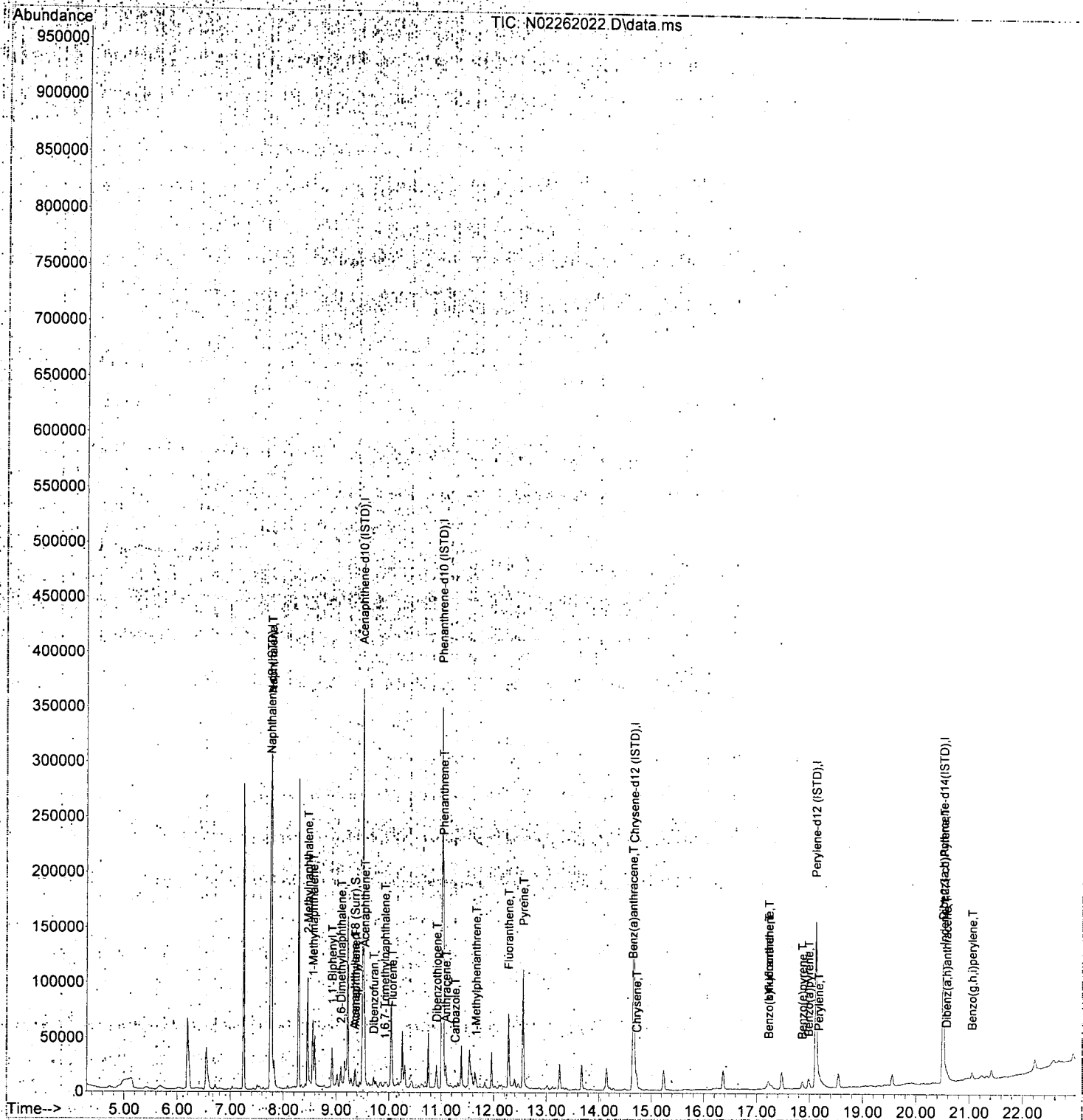
21.050min (-0.018) 5.22 ng/ml

response 7158

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	21.99
137.00	18.60	23.06
0.00	0.00	0.00

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262022.D
 Acq On : 26 Feb 2020 08:57 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-05@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:30 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262023.D
 Acq On : 26 Feb 2020 09:29 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-MS1@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 23 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
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Quant Time: Feb 27 08:37:33 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	172371	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.503	162	109615	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	189119	100.00	ng/ml	0.00	
24) Chrysené-d12 (ISTD)	14.662	240	140878	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	133726	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthrcene-d	20.508	292	101151	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml		
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.352	160	5185	0.91	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml		
33) Benzo(a)pyrene d-12 (S	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.772	128	234512	123.35	ng/ml	100	
5) 2-Methylnaphthalene	8.460	142	52368	32.51	ng/ml	96	
6) 1-Methylnaphthalene	8.559	142	28986	18.00	ng/ml	99	
7) 1,1'-Biphenyl	8.926	154	20698	9.55	ng/ml	98	
8) 2,6-Dimethylnaphthalene	9.090	156	7176	4.53	ng/ml	97	
12) Acenaphthylene	9.364	152	6883	2.89	ng/ml	94	
13) Acenaphthene	9.538	153	31150	19.98	ng/ml	98	
14) Dibenzofuran	9.719	168	3305	1.69	ng/ml	91	
15) 1,6,7-Trimethylnaphtha	9.923	170	1301	1.00	ng/ml	91	
16) Fluorene	10.063	166	15879	9.96	ng/ml	98	
18) Dibenzothiopene	10.908	184	12559	6.35	ng/ml	96	
19) Phenanthrene	11.036	178	106898	48.30	ng/ml	100	
20) Anthracene	11.089	178	13708	6.66	ng/ml	97	
21) Carbazole	11.264	167	1992	1.20	ng/ml	96	
22) 1-Methylphenanthrene	11.660	192	2440	1.59	ng/ml	86	
23) Fluoranthene	12.284	202	49712	22.30	ng/ml	96	
25) Pyrene	12.558	202	60024	27.27	ng/ml	99	
27) Benz(a)anthracene	14.644	228	7541	4.61	ng/ml#	56	
28) Chrysene	14.720	228	8973	5.80	ng/ml	98	
30) Benzo(b)fluoranthene	17.226	252	8558	5.55	ng/ml	93	
31) Benzo(k)fluoranthene	17.226	252	10547	6.94	ng/ml	91	
32) Benzo(b+k)fluoranthene	17.226	252	12069	7.65	ng/ml	91	
34) Benzo(e)pyrene	17.868	252	6017	3.86	ng/ml	97	
35) Benzo(a)pyrene	17.984	252	7931	6.00	ng/ml	97	
36) Perylene	18.182	252	2888	1.78	ng/ml	95	
38) Indeno(1,2,3-cd)Pyrene	20.520	276	5881	4.71	ng/ml	86	
39) Dibenz(a,h)anthracene	20.572	278	675	0.58	ng/ml	52	
40) Benzo(g,h,i)perylene	21.050	276	7090	5.36	ng/ml	94	

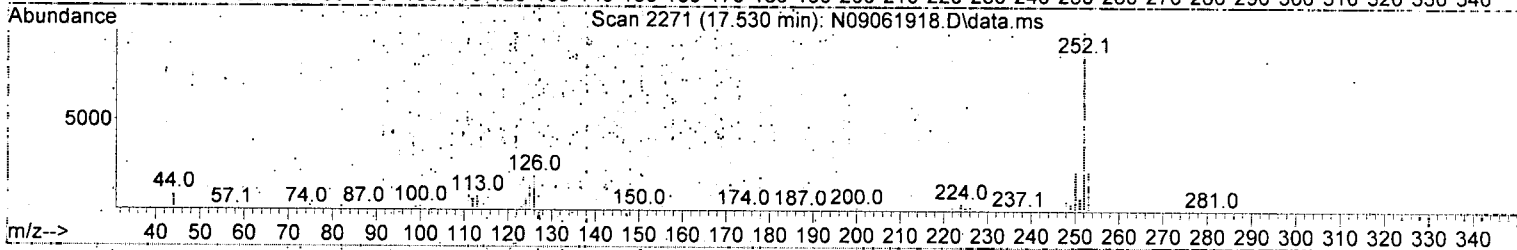
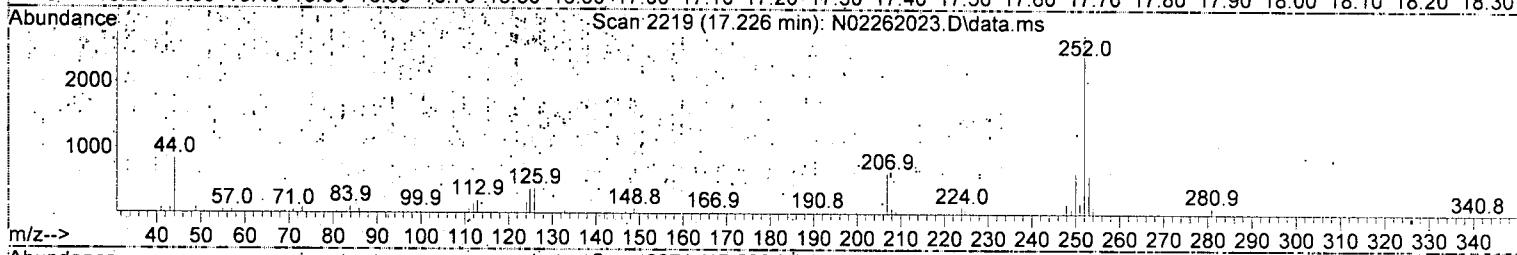
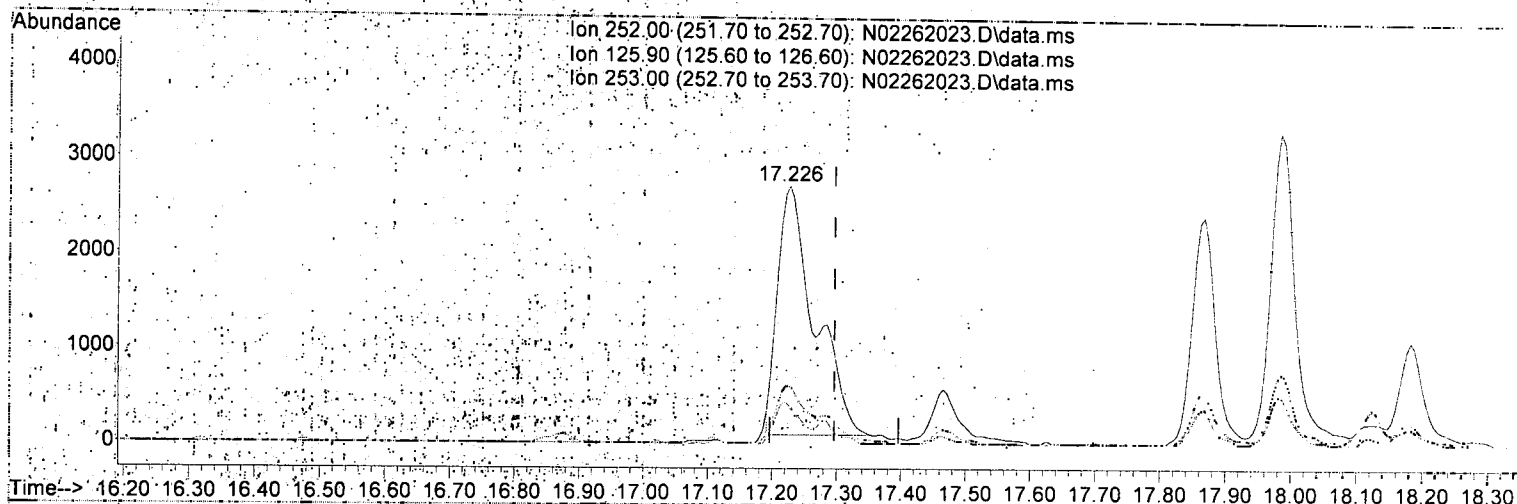
(#) = qualifier out of range (m) = manual integration (+) = signals summed

MI-NI

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262023.D
 Acq On : 26 Feb 2020 09:29 pm
 Operator : JK/AMS/DTH
 Sample : 0020795-MSI@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 23 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:33 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262023.D\data.ms

(31) Benzo(k)fluoranthene (T)

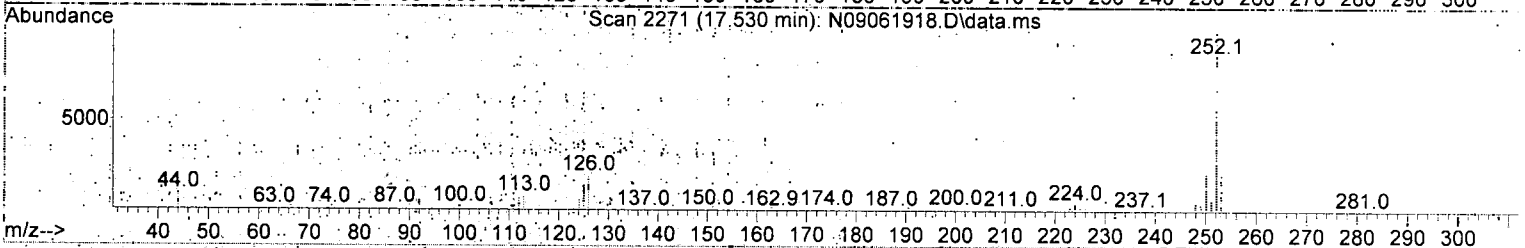
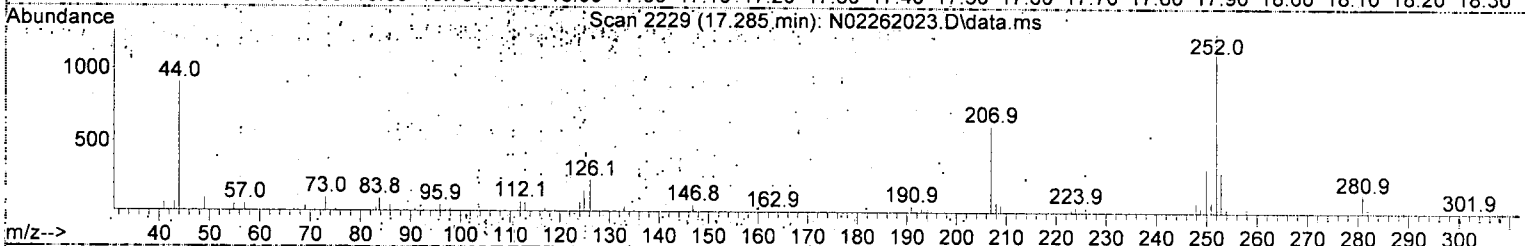
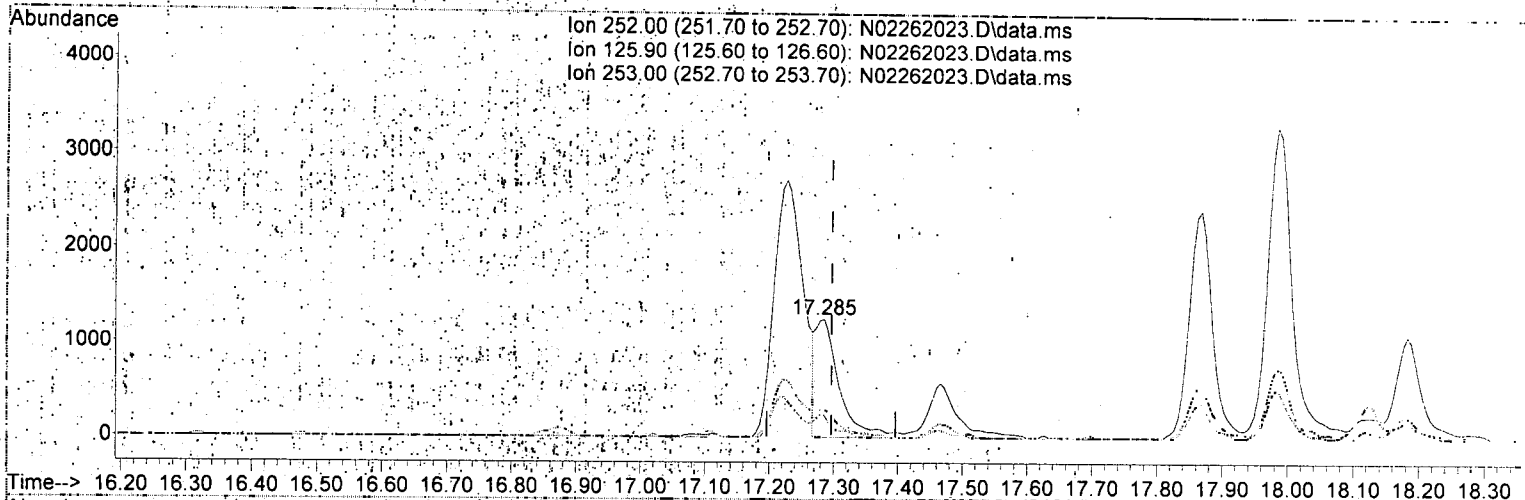
17.226min (-0.070)	6.94 ng/ml	
response	10547	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.35
253.00	21.50	22.23
0.00	0.00	0.00

AMS
2/27/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262023.D
 Acq On : 26 Feb 2020 09:29 pm
 Operator : JK/AMS/DTH
 Sample : 0020795-MS1@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 23 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:33 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262023.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.285min (-0.012) 1.97 ng/ml m

response 2988

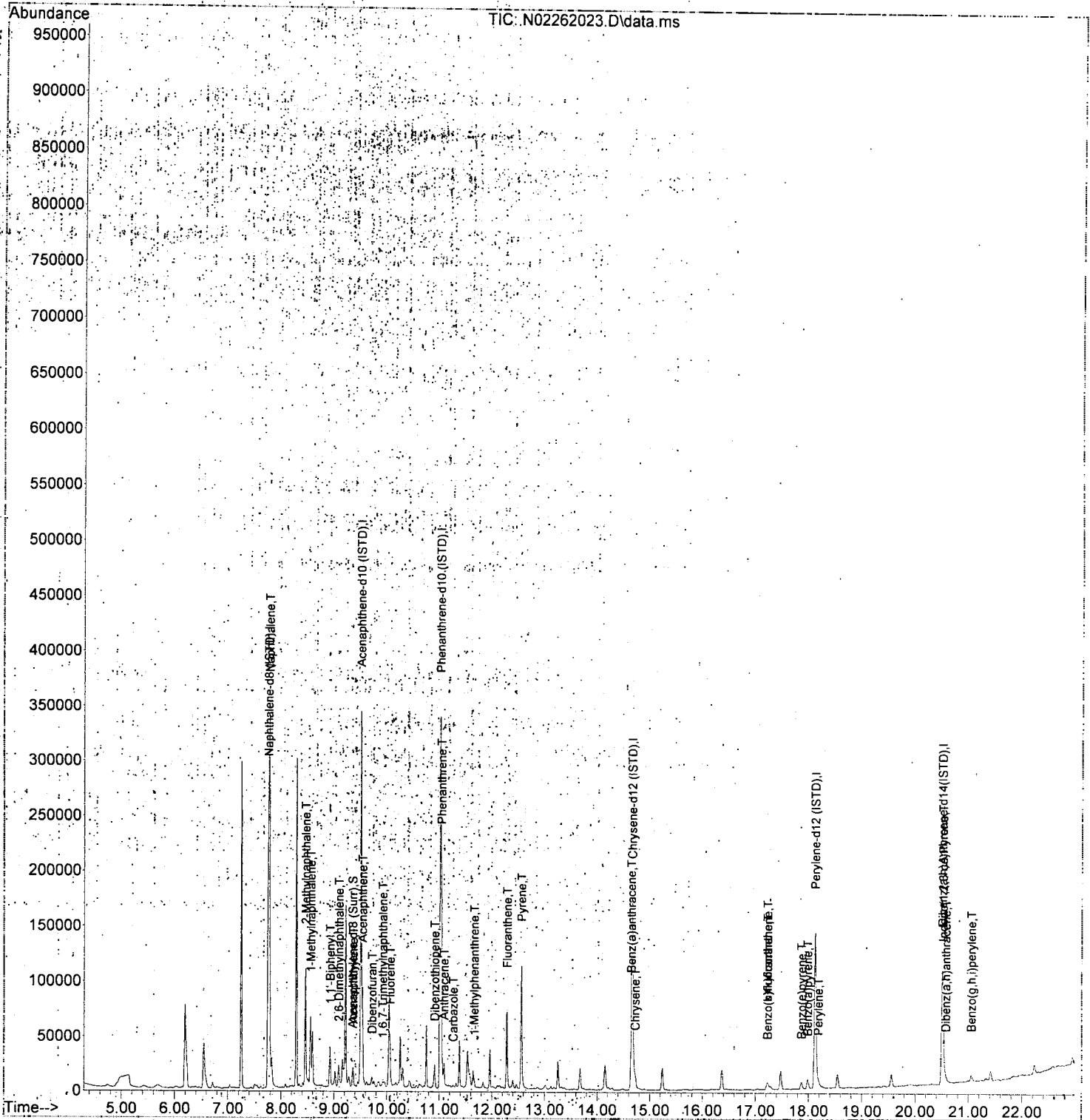
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	18.40
253.00	21.50	23.39
0.00	0.00	0.00

AMS
2/27/20

✓

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262023.D
 Acq On : 26 Feb 2020 09:29 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-MS1@100000
 Misc : 100000x, 8270D.LL.PAH ONLY
 ALS Vial : 23 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:33 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B26029\
 Data File : N02262024.D
 Acq On : 26 Feb 2020 10:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-MSD1@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

AMS
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Quant Time: Feb 27 08:37:36 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	171288	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	108460	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.007	188	180058	100.00	ng/ml	-0.01	
24) Chrysene-d12 (ISTD)	14.662	240	127723	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.118	264	119196	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d	20.508	292	88093	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml		
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.346	160	6006	1.31	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml		
33) Benzo(a)pyrene d-12 (S)	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.772	128	165915	87.82	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	36030	22.51	ng/ml		98
6) 1-Methylnaphthalene	8.554	142	20559	12.84	ng/ml		98
7) 1,1'-Biphenyl	8.921	154	13862	6.44	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.090	156	4959	3.15	ng/ml		93
12) Acenaphthylene	9.364	152	4897	2.08	ng/ml		95
13) Acenaphthene	9.533	153	21939	14.23	ng/ml		98
14) Dibenzofuran	9.713	168	2359	1.22	ng/ml		91
15) 1,6,7-Trimethylnaphtha	9.917	170	985	0.76	ng/ml		83
16) Fluorene	10.063	166	11395	7.22	ng/ml		95
18) Dibenzothiopene	10.908	184	8421	4.47	ng/ml		94
19) Phenanthrene	11.031	178	73240	34.76	ng/ml		99
20) Anthracene	11.089	178	9641	4.92	ng/ml		99
21) Carbazole	11.264	167	1185	0.75	ng/ml		82
22) 1-Methylphenanthrene	11.660	192	3022	2.06	ng/ml		89
23) Fluoranthene	12.278	202	33292	15.68	ng/ml		97
25) Pyrene	12.558	202	40424	20.26	ng/ml		99
27) Benz(a)anthracene	14.639	228	5190	3.50	ng/ml#		53
28) Chrysene	14.720	228	5809	4.14	ng/ml		99
30) Benzo(b)fluoranthene	17.221	252	5302	3.85	ng/ml		94
31) Benzo(k)fluoranthene	17.221	252	6624	4.89	ng/ml		92
32) Benzo(b+k)fluoranthene	17.221	252	7494	5.33	ng/ml		92
34) Benzo(e)pyrene	17.862	252	3681	2.65	ng/ml		96
35) Benzo(a)pyrene	17.984	252	5164	4.39	ng/ml		96
36) Perylene	18.177	252	1748	1.21	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.514	276	3590	3.30	ng/ml		98
39) Dibenz(a,h)anthracene	20.578	278	469	0.46	ng/ml		85
40) Benzo(g,h,i)perylene	21.050	276	4484	3.89	ng/ml		94

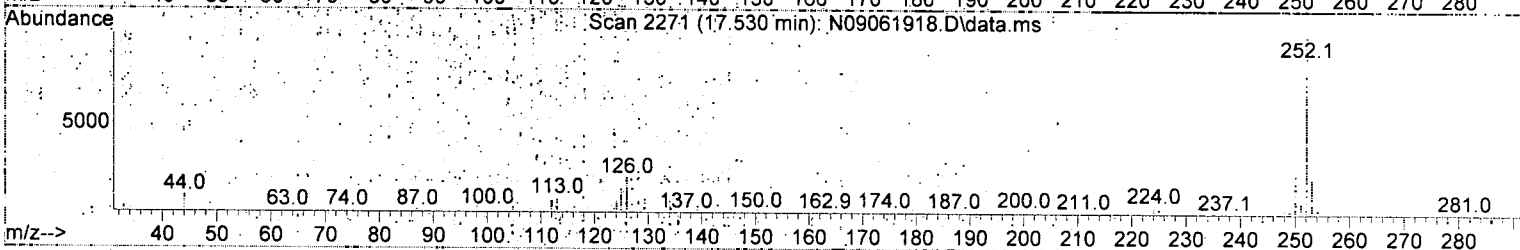
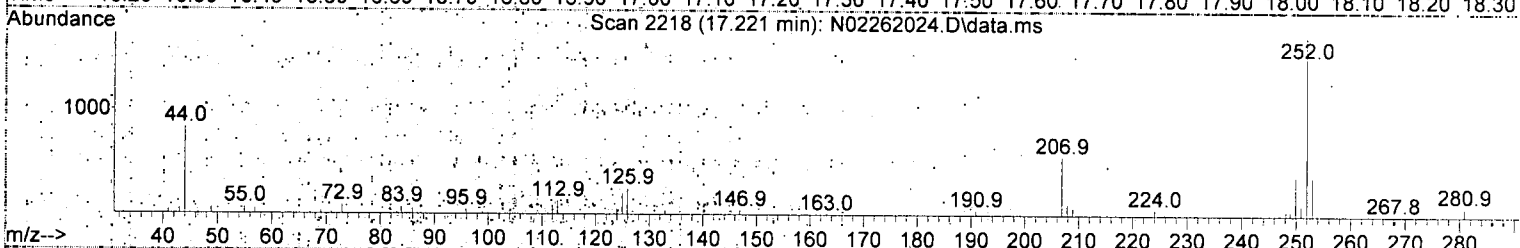
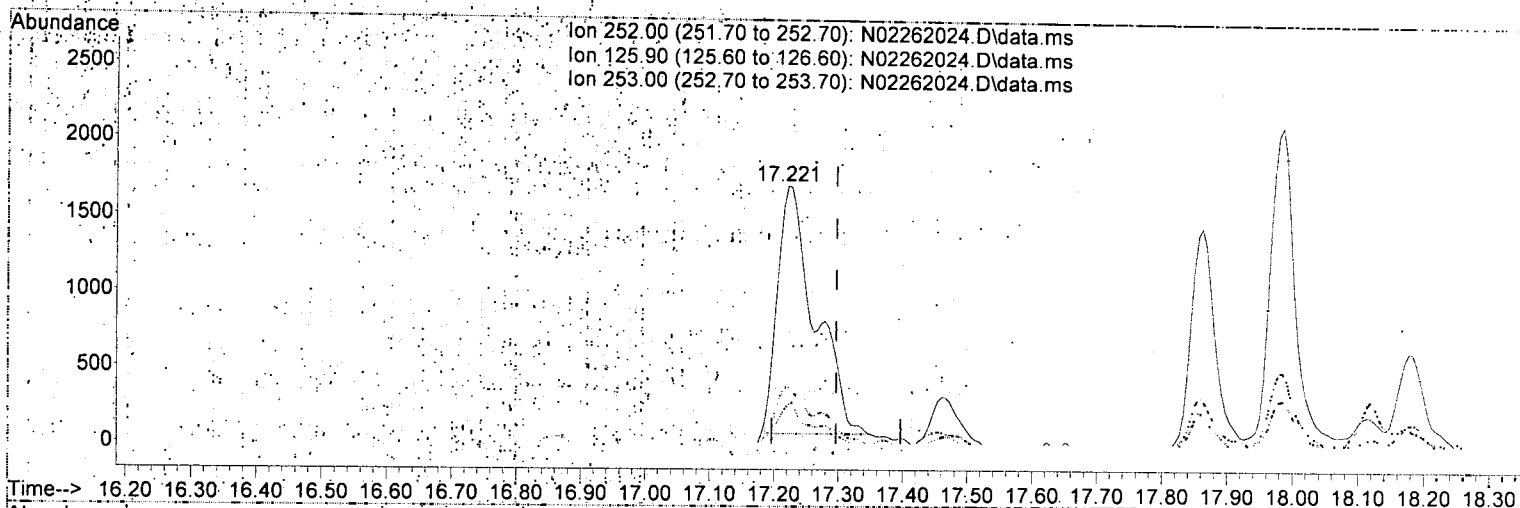
MI-ND

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262024.D
 Acq On : 26 Feb 2020 10:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-MSD1@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:36 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262024.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.221min (-0.076) 4.89 ng/ml

response 6624

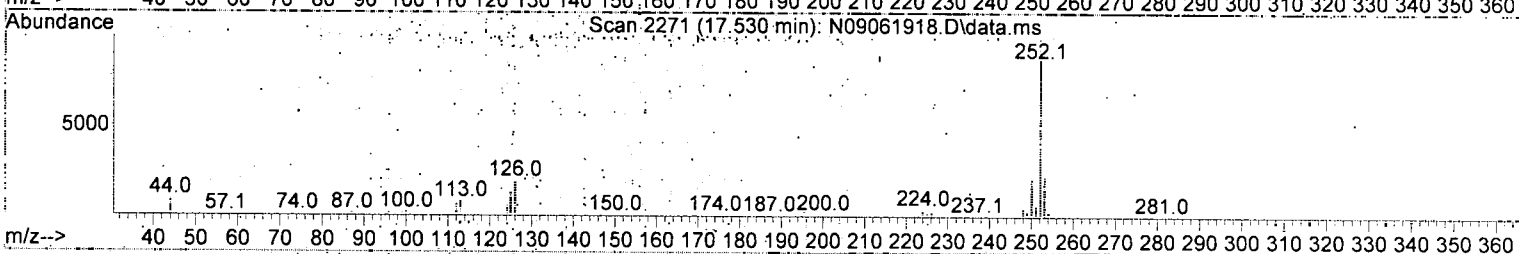
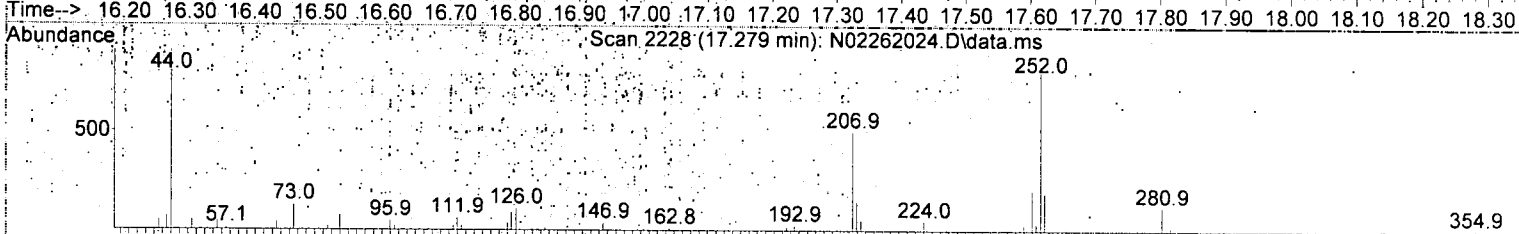
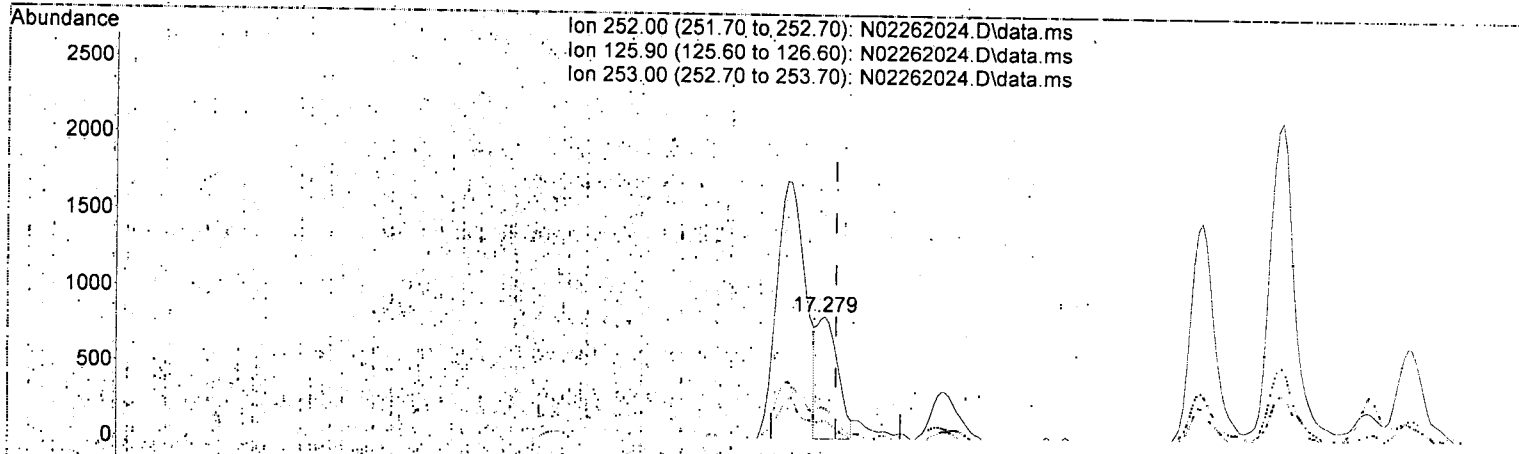
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.40
253.00	21.50	22.31
0.00	0.00	0.00

AMS
2/27/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262024.D
 Acq On : 26 Feb 2020 10:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020795-MSD1@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 08:37:36 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02262024.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.018) 1.38 ng/ml

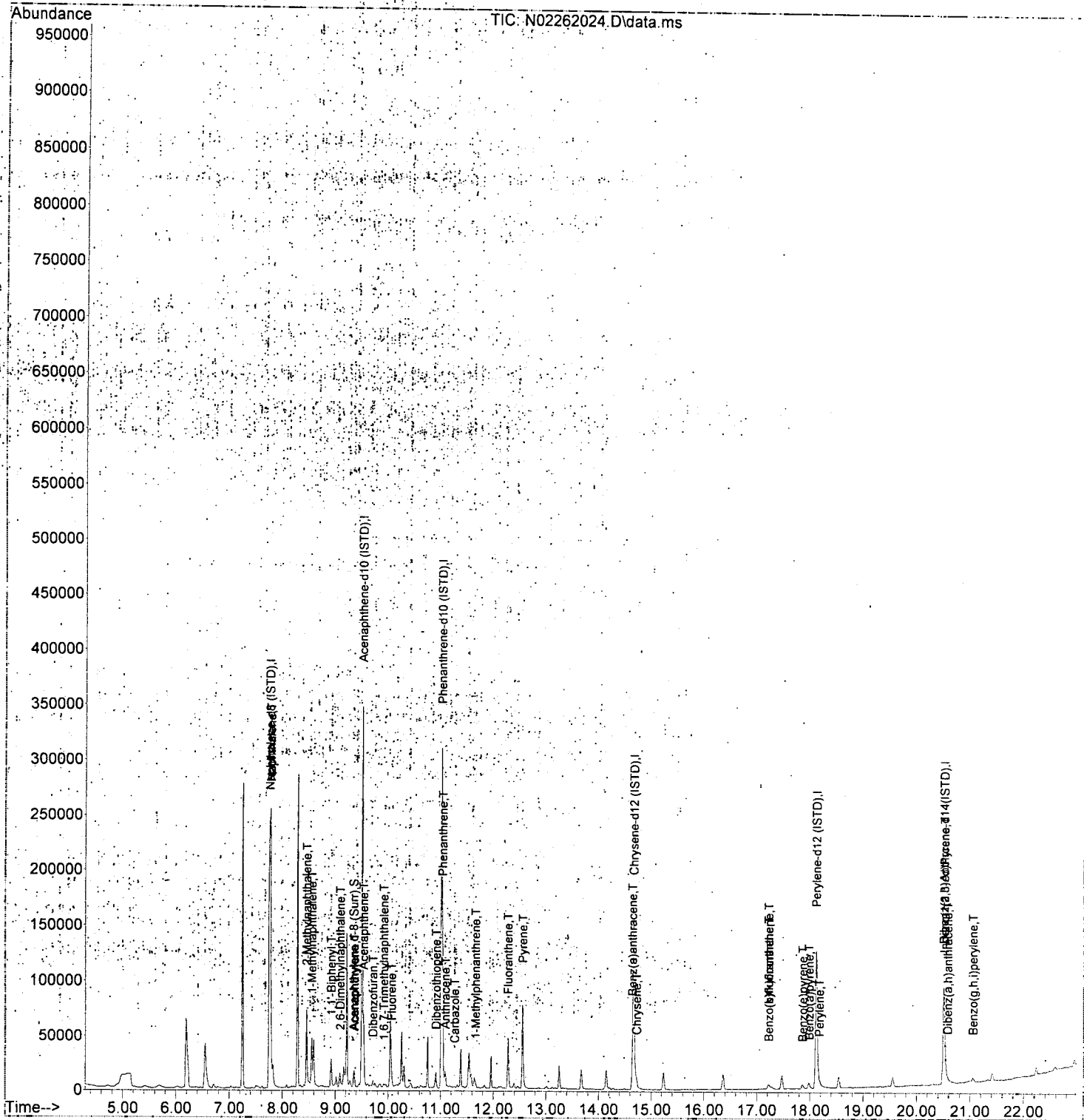
response 1874

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.32
253.00	21.50	25.00
0.00	0.00	0.00

AMS
 2/27/20

Data Path : U:\data\2020-02\0B26029\
 Data File : N02262024.D
 Acq On : 26 Feb 2020 10:01 pm
 Operator : JK/AMS/DTH
 Sample : 0020795-MSD1@100000
 Misc : 100000x, 8270D LL PAH ONLY
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACO.M

Quant Time: Feb 27 08:37:36 2020
 Quant Method: U:\methods\SV14_090619_PAHR7.M
 Quant Title: EPA 8270D: Semivolatile Organics
 QLast Update: Fri Dec 20 12:46:03 2019
 Response via: Initial Calibration
 InstName: SV-GCMS14



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

Sequence 0B27023 (A0B0681-02)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0B27023**

Instrument: **SV-GCMS14**

Date: **02/27/20 08:06**

Calibration: **A911001**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0B27023-TUN1	Soil	QC	QC			A19K048	A20B266
2	0B27023-CCV1	Soil	QC	QC			A19K048	A19K012
3	0B27023-CCB1	Soil	QC	QC			A19K048	
4	A0B0681-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020795	A19K048	
5	A0B0679-10	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
6	A0B0679-11	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
7	A0B0680-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
8	A0B0680-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
9	A0B0680-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
10	A0B0680-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
11	A0B0679-09	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
12	A0B0679-12	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
13	A0B0679-14	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
14	A0B0679-15	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
15	A0B0679-13	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
16	A0B0679-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
17	A0B0679-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
18	A0B0679-04RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
19	A0B0679-06RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
20	A0B0679-08RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
21	A0B0680-01RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
22	A0B0679-10RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
23	A0B0680-04RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
24	A0B0679-15RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
25	0B27023-IBL1	Soil	QC	QC			A19K048	

Data Entered By: *hem 2/28/20*

Comments:

Data Reviewed By: *JD 2/28/20*

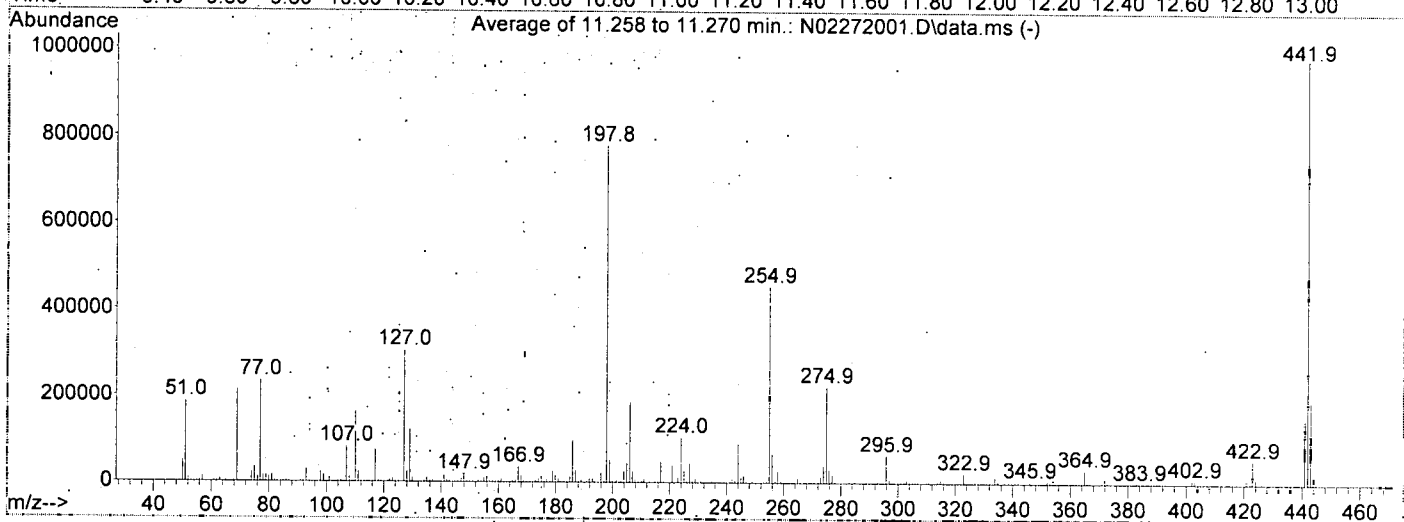
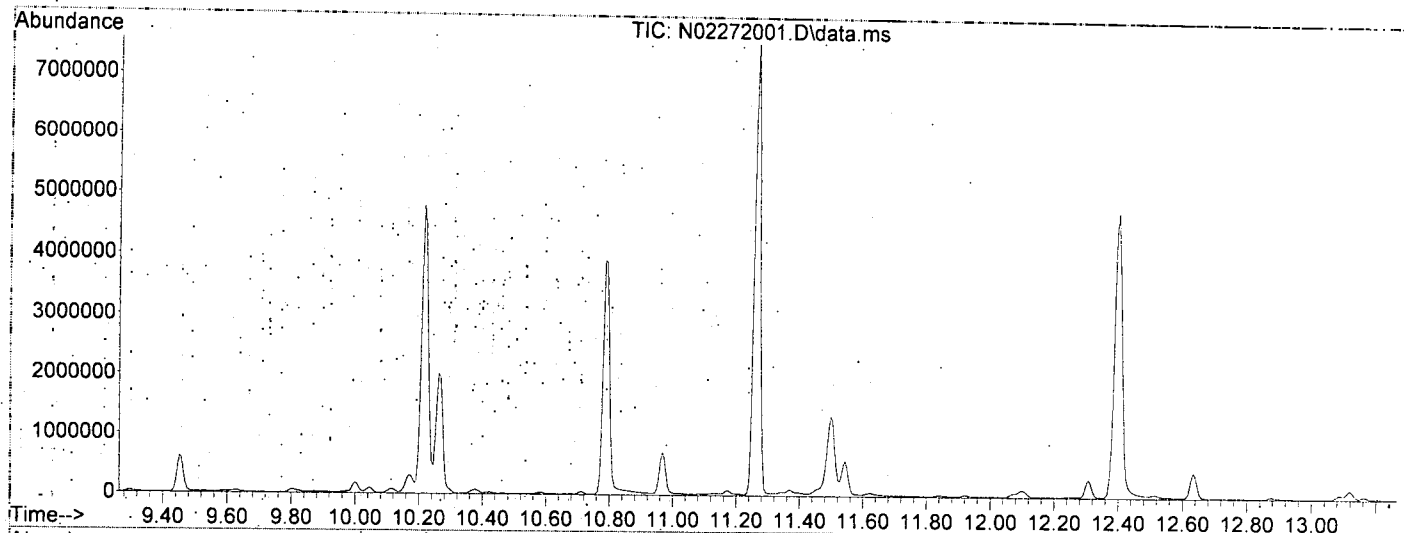
04/06/20 Anchor QEA, LLC - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 1013 of 1165

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272001.D
 Acq On : 27 Feb 2020 08:16 am
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1

*AMS
2/27/20*

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Tue Feb 04 07:34:06 2020



AutoFind: Scans 1195, 1196, 1197; Background Corrected with Scan 1189

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3478	PASS
69	69	100	100	100.0	214382	PASS
70	69	0.00	2	0.5	1165	PASS
197	198	0.00	2	0.5	3830	PASS
198	198	100	100	100.0	777172	PASS
199	198	5	9	6.7	52332	PASS
365	198	1	100	4.0	30872	PASS
441	443	0.01	150	78.0	148453	PASS
442	198	0.10	200	126.1	980032	PASS
443	442	15	24	19.4	190400	PASS

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272001.D
 Acq On : 27 Feb 2020 08:16 am
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 27 12:40:30 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

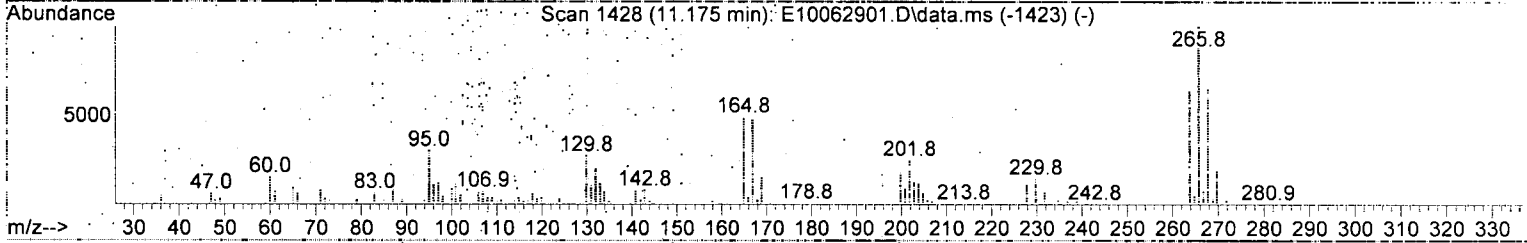
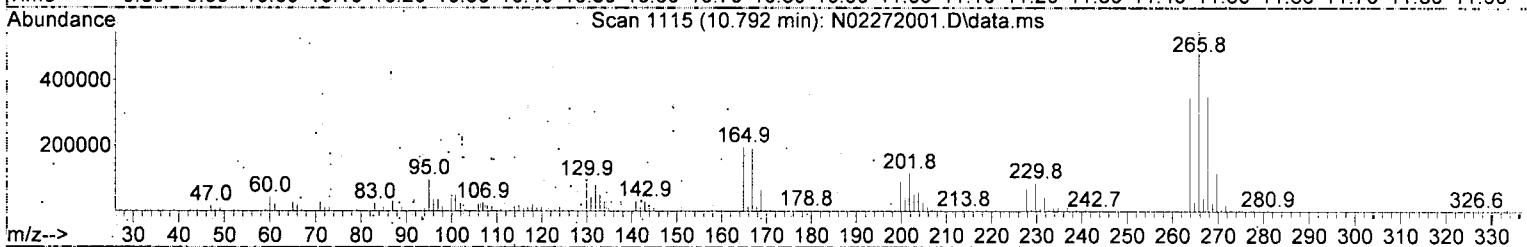
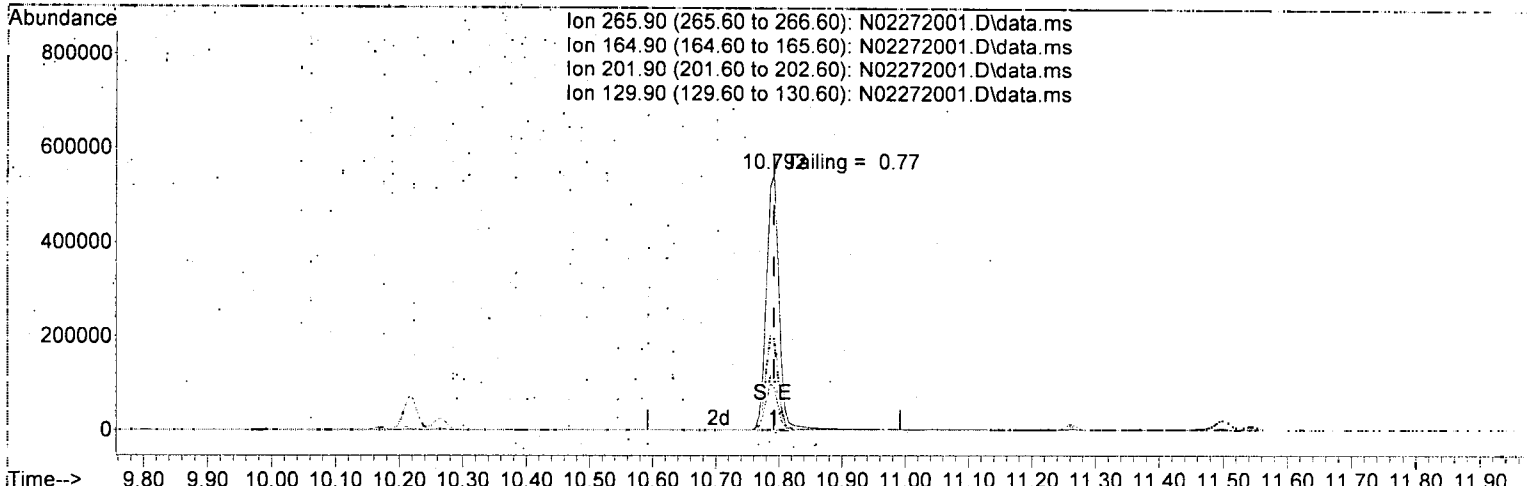
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.490	150	140366	2.00	ug/mL	0.00
2) Naphthalene-d8	7.691	136	372634	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.451	162	193845	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.967	188	369960	2.00	ug/mL	0.00
11) Chrysene-d12	14.574	240	306845	2.00	ug/mL	0.00
12) Perylene-d12	16.679	264	292744	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	17.862	292	256292	2.00	ug/mL	# 0.00
Target Compounds						
4) Pentachlorophenol	10.792	266	779073	42.56	ug/mL	82
6) DFTPP	11.264	442	1480989	49.59	ug/mL	81
7) Benzidine	12.400	184	3425667	26.03	ug/mL	98
8) 4,4-DDE	12.634	TIC	591633	No Calib		
9) 4,4-DDD	13.117	TIC	218521	No Calib		
10) 4,4-DDT	13.642	TIC	12223755	32.22	ug/mL	95

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272001.D
 Acq On : 27 Feb 2020 08:16 am
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 27 12:40:30 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272001.D\data.ms

(4) Pentachlorophenol

10.792min (+ 0.000) 42.56 ug/mL

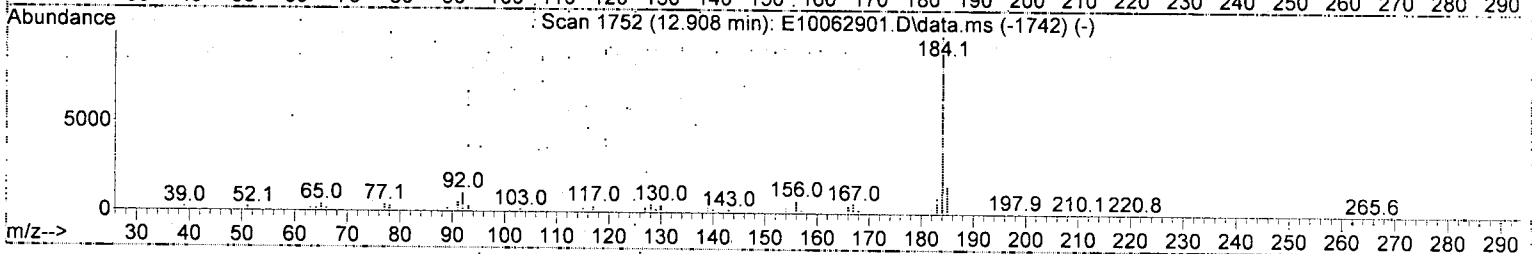
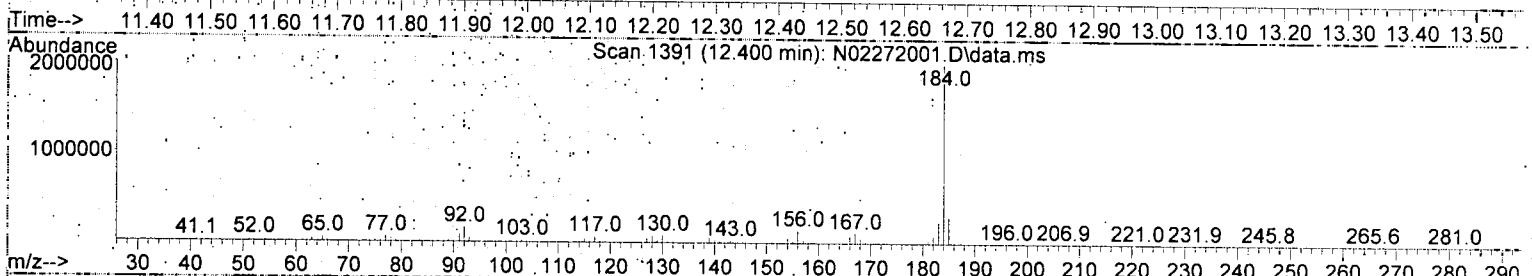
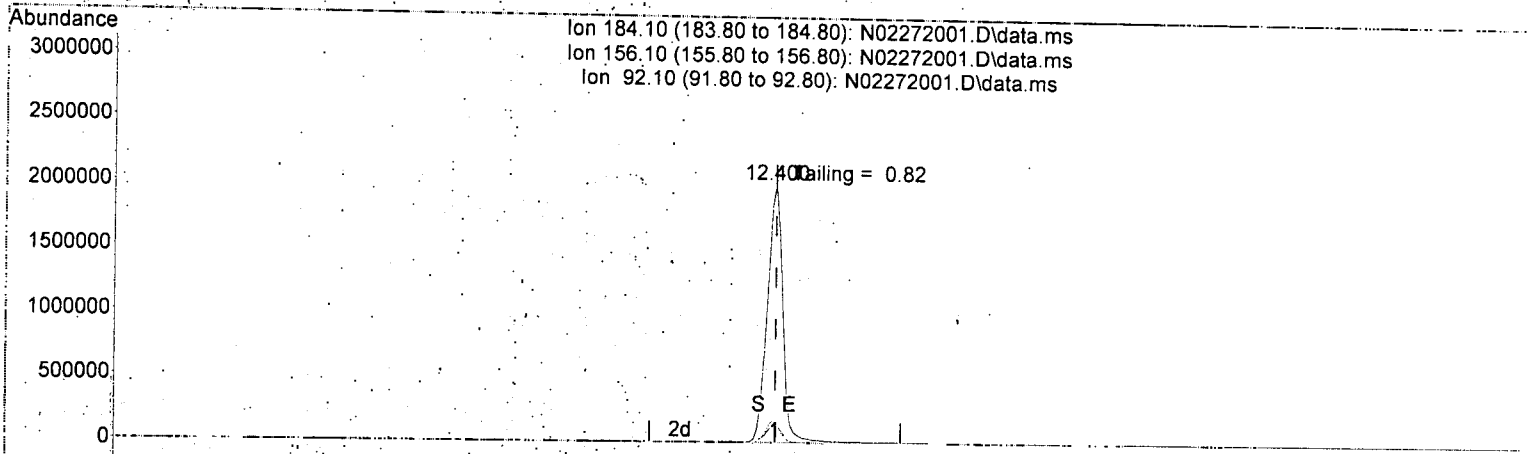
response 779073

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	35.76
201.90	25.80	21.02
129.90	27.30	17.15

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272001.D
 Acq On : 27 Feb 2020 08:16 am
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 27 12:40:30 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272001.D\data.ms

(7) Benzidine

12.400min (+ 0.000) 26.03 ug/mL

response 3425667

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.94
92.10	8.20	8.08
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:

OB27023-TUN1

SV-GCMS14

First Column Area Counts

Percent Breakdown

DDE 591633

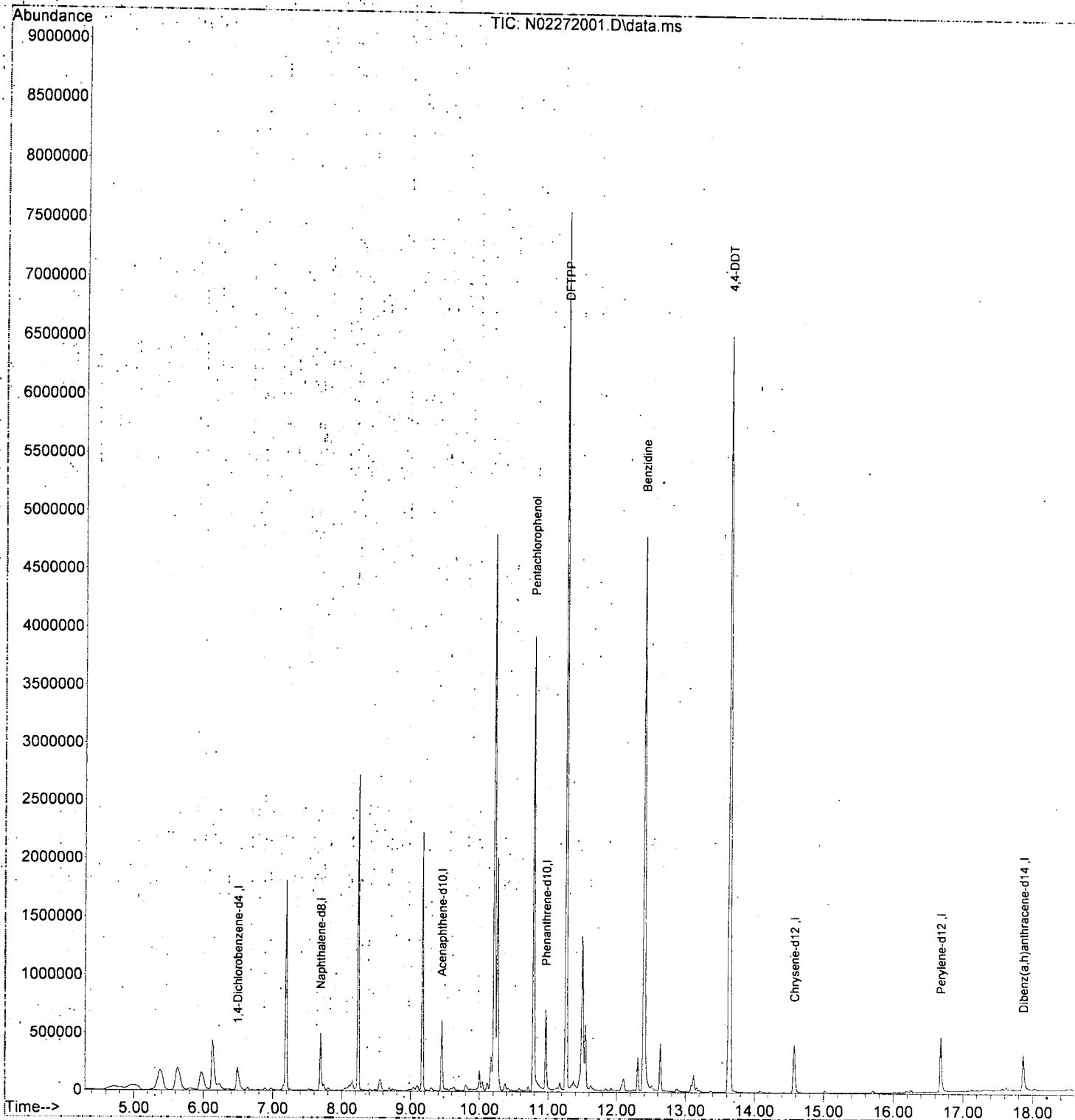
DDD 218521

DDT 12223755 6.22 PASS

Breakdown must be less than 20% to accept sample data.

Data Path : U:\data\2020-02\0B27023\
Data File : N02272001.D
Acq On : 27 Feb 2020 08:16 am
Operator : JK/ AMS/ DTH
Sample : 0B27023-TUN1
Misc : 1x, A20B266 DFTPP
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Feb 27 12:40:30 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Tue Feb 04 07:34:06 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272002.D
 Acq On : 27 Feb 2020 08:43 am
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LV114_BNA_ACQ.M

AMS
2/27/20

Quant Time: Feb 27 12:41:44 2020.
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

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

Compound	Amount	Calc.	%Dev	Area	Dev(min)
1 I Naphthalene-d8 (ISTD)	100.000	100.000	0.0	126	-0.01
2 S Nitrobenzene-d5 (Surr)	50.000	49.435	1.1	128	-0.01
3 T Decalin	50.000	30.449	39.1#	76	-0.01
4 T Naphthalene	50.000	48.538	2.9	125	0.00
5 T 2-Methylnaphthalene	50.000	40.472	19.1	102	-0.01
6 T 1-Methylnaphthalene	50.000	40.099	19.8	98	-0.01
7 T 1,1'-Biphenyl	50.000	38.613	22.8#	97	0.00
8 T 2,6-Dimethylnaphthalene	50.000	37.629	24.7#	93	-0.01
9 I Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	95	-0.01
10 S 2-Fluorobiphenyl (Surr)	50.000	52.440	-4.9	100	-0.01
11 S Acenaphthylene d-8 (Surr)	50.000	0.818	98.4#	4	-0.01
12 T Acenaphthylene	50.000	45.913	8.2	87	0.00
13 T Acenaphthene	50.000	47.819	4.4	93	0.00
14 T Dibenzofuran	50.000	47.928	4.1	91	0.00
15 T 1,6,7-Trimethylnaphthalene	50.000	46.893	6.2	91	0.00
16 T Fluorene	50.000	46.549	6.9	89	-0.01
17 I Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	91	0.00
18 T Dibenzothiopene	50.000	47.235	5.5	87	0.00
19 T Phenanthrene	50.000	47.511	5.0	88	0.00
20 T Anthracene	50.000	44.164	11.7	81	0.00
21 T Carbazole	50.000	35.856	28.3#	66	-0.01
22 T 1-Methylphenanthrene	50.000	47.848	4.3	88	-0.01
23 T Fluoranthene	50.000	48.418	3.2	89	-0.01
24 I Chrysene-d12 (ISTD)	100.000	100.000	0.0	80	-0.02
25 T Pyrene	50.000	55.679	-11.4	89	-0.01
26 S Terphenyl-d14 (Surr)	50.000	47.350	5.3	77	-0.01
27 T Benz(a)anthracene	50.000	42.158	15.7	72	-0.02
28 T Chrysene	50.000	45.246	9.5	74	-0.02
29 I Perylene-d12 (ISTD)	100.000	100.000	0.0	83	-0.02
30 T Benzo(b)fluoranthene	50.000	45.202	9.6	75	-0.01
31 T Benzo(k)fluoranthene	50.000	45.223	9.6	77	-0.02
32 T Benzo(b+k)fluoranthene	100.000	93.273	6.7	78	-0.02
33 S Benzo(a)pyrene d-12 (Surr)	50.000	0.000	100.0#	0	-17.96#
34 T Benzo(e)pyrene	50.000	47.521	5.0	80	-0.02
35 T Benzo(a)pyrene	50.000	43.304	13.4	71	-0.02
36 T Perylene	50.000	49.506	1.0	82	-0.02
37 I Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	86	-0.02
38 T Indeno(1,2,3-cd)Pyrene	50.000	44.821	10.4	78	-0.02
39 T Dibenz(a,h)anthracene	50.000	47.687	4.6	84	-0.02
40 T Benzo(g,h,i)perylene	50.000	46.306	7.4	79	-0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272002.D
 Acq On : 27 Feb 2020 08:43 am
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ:M

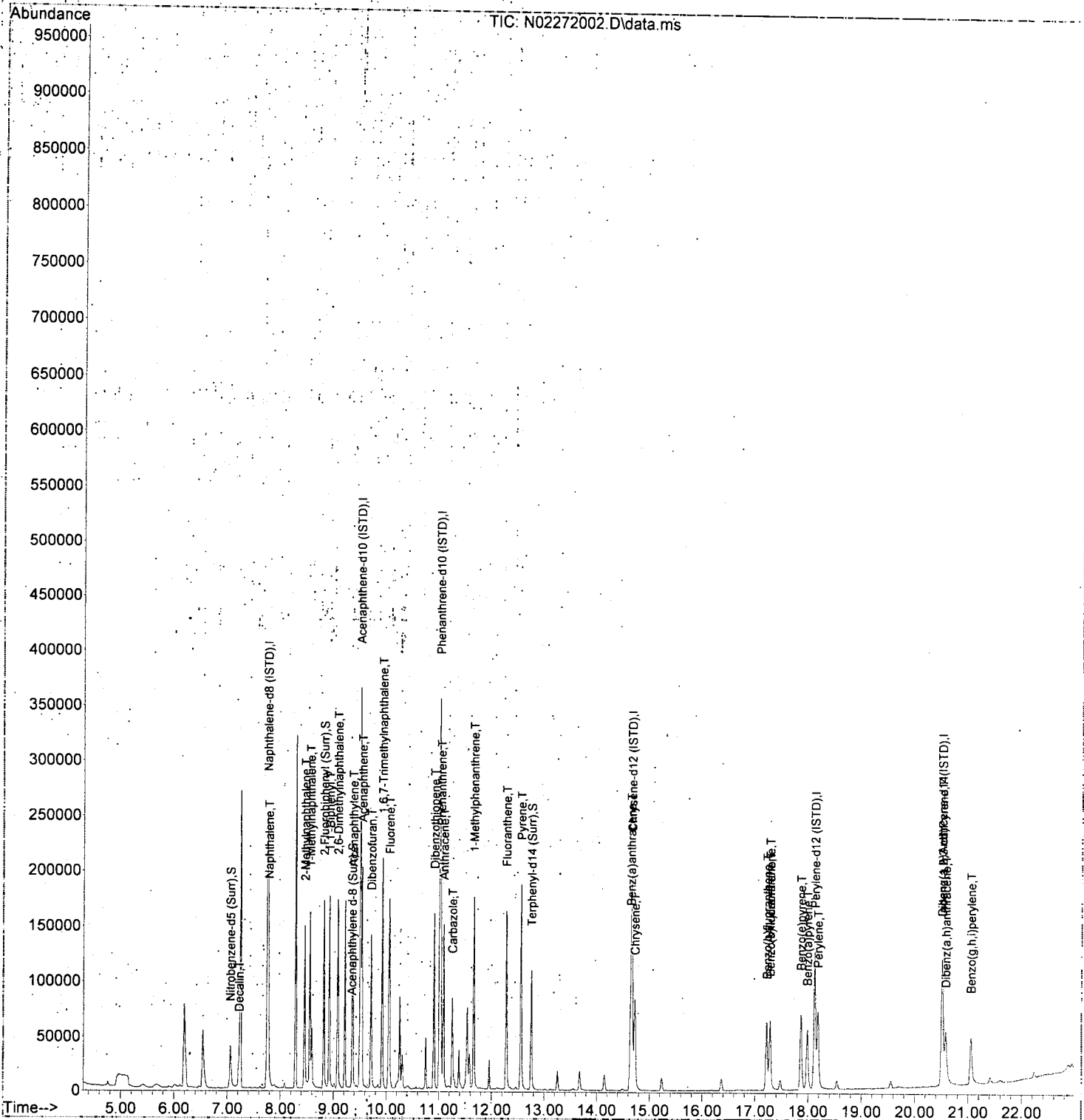
Quant Time: Feb 27 12:41:44 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	187473	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	111892	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	200242	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	136715	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	118815	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	80611	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.056	82	30796	49.43	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.816	172	87536	52.44	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	5093	0.82	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	68083	47.35	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
							Qvalue
3) Decalin	7.219	138	4250	30.45	ng/ml		91
4) Naphthalene	7.772	128	100362	48.54	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	70914	40.47	ng/ml		99
6) 1-Methylnaphthalene	8.553	142	70247	40.10	ng/ml		97
7) 1,1'-Biphenyl	8.921	154	90995	38.61	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.078	156	64760	37.63	ng/ml		98
12) Acenaphthylene	9.364	152	111530	45.91	ng/ml		99
13) Acenaphthene	9.539	153	76083	47.82	ng/ml		100
14) Dibenzofuran	9.713	168	95514	47.93	ng/ml		96
15) 1,6,7-Trimethylnaphtha...	9.923	170	62572	46.89	ng/ml		98
16) Fluorene	10.057	166	75788	46.55	ng/ml		99
18) Dibenzothiopene	10.908	184	98924	47.24	ng/ml		96
19) Phenanthrene	11.036	178	111327	47.51	ng/ml		100
20) Anthracene	11.089	178	96256	44.16	ng/ml		99
21) Carbazole	11.252	167	63235	35.86	ng/ml		99
22) 1-Methylphenanthrene	11.660	192	77884	47.85	ng/ml		98
23) Fluoranthene	12.278	202	114305	48.42	ng/ml		96
25) Pyrene	12.558	202	118927	55.68	ng/ml		99
27) Benz(a)anthracene	14.644	228	66917	42.16	ng/ml		99
28) Chrysene	14.720	228	67964	45.25	ng/ml		99
30) Benzo(b)fluoranthene	17.221	252	61971	45.20	ng/ml		93
31) Benzo(k)fluoranthene	17.279	252	61044	45.22	ng/ml		93
32) Benzo(b+k)fluoranthene	17.279	252	130800	93.27	ng/ml		93
34) Benzo(e)pyrene	17.862	252	65878	47.52	ng/ml		97
35) Benzo(a)pyrene	17.984	252	50816	43.30	ng/ml		96
36) Perylene	18.182	252	71551	49.51	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.514	276	44560	44.82	ng/ml		83
39) Dibenz(a,h)anthracene	20.578	278	44547	47.69	ng/ml		84
40) Benzo(g,h,i)perylene	21.050	276	48836	46.31	ng/ml		96

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

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272002.D
 Acq On : 27 Feb 2020 08:43 am
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:41:44 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2020-02\0B27023\
 Data File : N02272003.D
 Acq On : 27 Feb 2020 09:15
 Operator : JK/ AMS/ DTH
 Sample : 0B27023-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 13:10:33 2020
 Quant Method : N:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

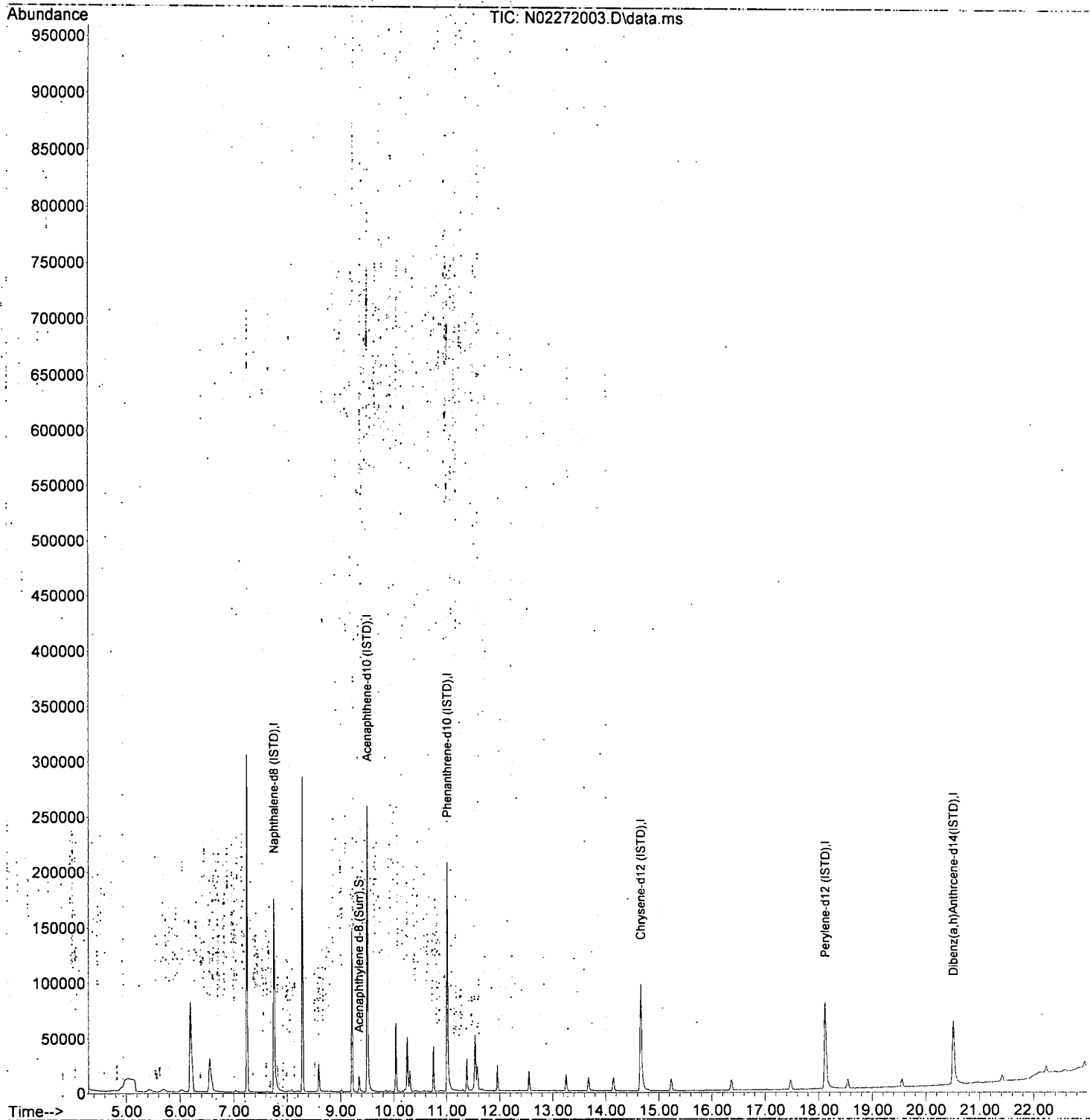
AMS
2/27/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	148558	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.504	162	87602	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	131216	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	87572	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	81236	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	62457	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml		
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.352	160	10368	4.47	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml		
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0		N.D.		Qvalue
4) Naphthalene	7.778	128	109		N.D.		
5) 2-Methylnaphthalene	0.000		0		N.D.		
6) 1-Methylnaphthalene	0.000		0		N.D.		
7) 1,1'-Biphenyl	0.000		0		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
12) Acenaphthylene	0.000		0		N.D.		
13) Acenaphthene	0.000		0		N.D.		
14) Dibenzofuran	0.000		0		N.D.		
15) 1,6,7-Trimethylnaphtha	0.000		0		N.D.		
16) Fluorene	0.000		0		N.D.		
18) Dibenzothiopene	0.000		0		N.D.		
19) Phenanthrene	11.037	178	130		N.D.		
20) Anthracene	11.037	178	130		N.D.		
21) Carbazole	11.538	167	277		N.D.		
22) 1-Methylphenanthrene	0.000		0		N.D.		
23) Fluoranthene	0.000		0		N.D.		
25) Pyrene	0.000		0		N.D.		
27) Benz(a)anthracene	14.656	228	275		N.D.		
28) Chrysene	14.656	228	265		N.D.		
30) Benzo(b)fluoranthene	0.000		0		N.D.		
31) Benzo(k)fluoranthene	0.000		0		N.D.		
32) Benzo(b+k)fluoranthene	0.000		0		N.D.		
34) Benzo(e)pyrene	18.112	252	215		N.D.		
35) Benzo(a)pyrene	0.000		0		N.D.		
36) Perylene	18.112	252	254		N.D.		
38) Indeno(1,2,3-cd)Pyrene	0.000		0		N.D.		
39) Dibenz(a,h)anthracene	0.000		0		N.D.		
40) Benzo(g,h,i)perylene	0.000		0		N.D.		

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

Data Path : N:\data\2020-02\0B27023\
Data File : N02272003.D
Acq On : 27 Feb 2020 09:15
Operator : JK/ AMS/ DTH
Sample : 0B27023-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 13:10:33 2020
Quant Method : N:\methods\SV14_090619_PAHR7.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Dec 20 12:46:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27-Feb-2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D.PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
 2/27/20
 MOS

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

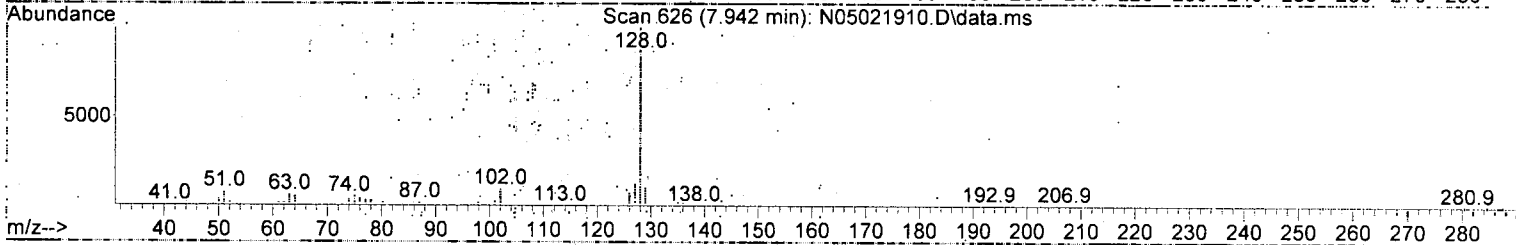
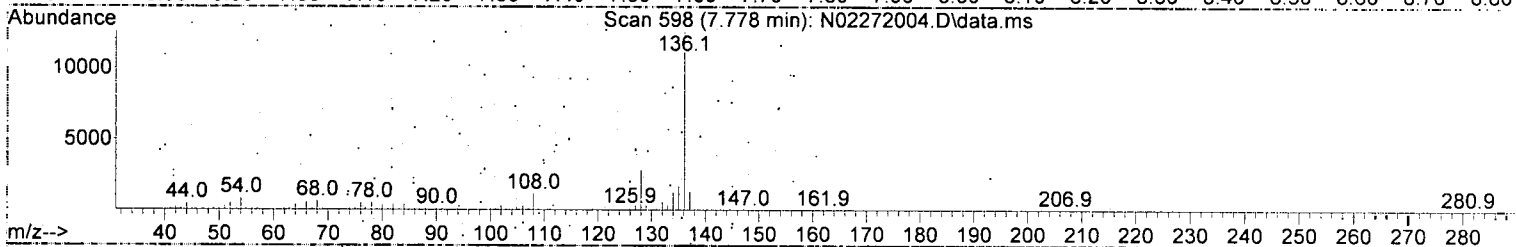
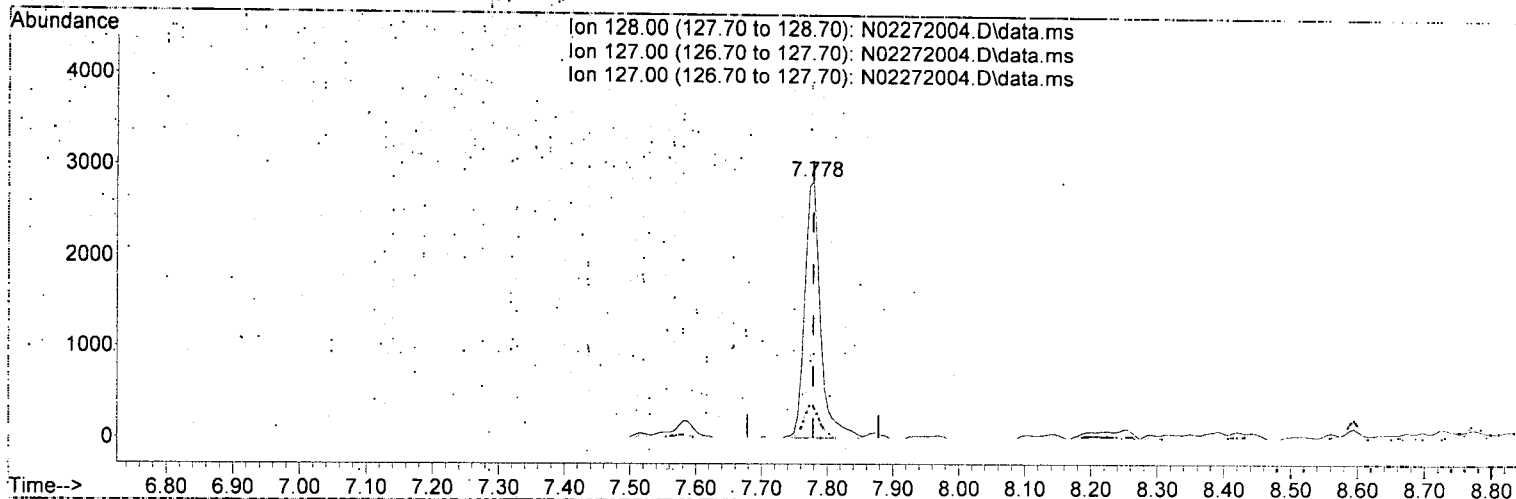
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	169134	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.504	162	100053	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	179147	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	126780	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	118022	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	79595	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.091	82	67	0.12	ng/ml	0.02	
10) 2-Fluorobiphenyl (Surr)	8.822	172	182	0.12	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	11627	4.36	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	240	0.18	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.778	128	4797	(2.57)	ng/ml	100	
5) 2-Methylnaphthalene	8.466	142	573	N.D.			
6) 1-Methylnaphthalene	8.559	142	3356	2.12	ng/ml	96	
7) 1,1'-Biphenyl	8.927	154	365	N.D.			
8) 2,6-Dimethylnaphthalene	9.090	156	8427	5.43	ng/ml	99	
12) Acenaphthylene	9.364	152	44012	20.26	ng/ml	98	
13) Acenaphthene	9.539	153	52384	36.82	ng/ml	98	
14) Dibenzofuran	9.713	168	5538	3.11	ng/ml	93	
15) 1,6,7-Trimethylnaphtha...	9.923	170	3310	2.77	ng/ml	92	
16) Fluorene	10.057	166	46503	32.00	ng/ml	100	MI-HIT
18) Dibenzothiophene	10.908	184	79477	42.42	ng/ml	97	
19) Phenanthrene	11.037	178	723466	345.11	ng/ml	99	
20) Anthracene	11.089	178	106420	54.58	ng/ml	99	
21) Carbazole	11.258	167	791	0.50	ng/ml	59	
22) 1-Methylphenanthrene	11.660	192	36327	24.95	ng/ml	96	
23) Fluoranthene	12.278	202	547464	259.20	ng/ml	97	
25) Pyrene	12.558	202	645606	325.94	ng/ml	100	
27) Benz(a)anthracene	14.644	228	82093	55.77	ng/ml	70	
28) Chrysene	14.720	228	109724	78.77	ng/ml	98	
30) Benzo(b)fluoranthene	17.221	252	98198	72.11	ng/ml	92	
31) Benzo(k)fluoranthene	17.221	252	120658	89.99	ng/ml	90	MI-MOS
32) Benzo(b+k)fluoranthene	17.221	252	136452	97.96	ng/ml	90	
34) Benzo(e)pyrene	17.862	252	68752	49.93	ng/ml	98	
35) Benzo(a)pyrene	17.984	252	90887	77.97	ng/ml	96	
36) Perylene	18.182	252	29884	20.82	ng/ml	99	
38) Indeno(1,2,3-cd)Pyrene	20.514	276	56553	57.61	ng/ml	80	
39) Dibenz(a,h)anthracene	20.572	278	5657	6.13	ng/ml	83	
40) Benzo(g,h,i)perylene	21.050	276	72394	69.52	ng/ml	99	

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(4) Naphthalene (T)

7.778min (-0.000) 2.57 ng/ml

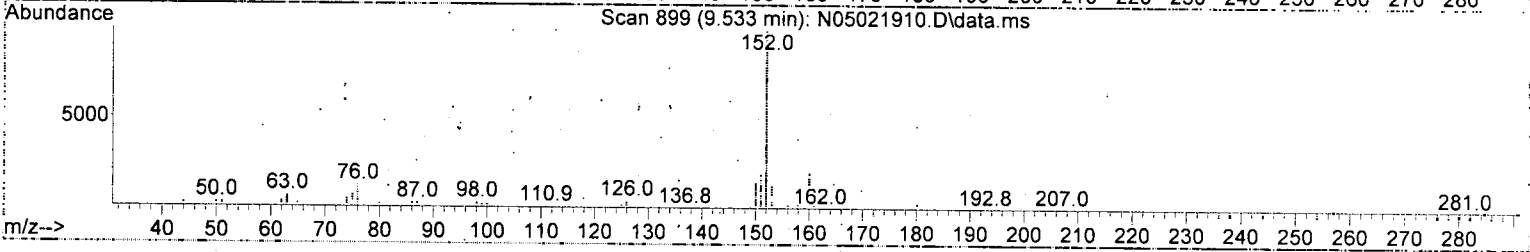
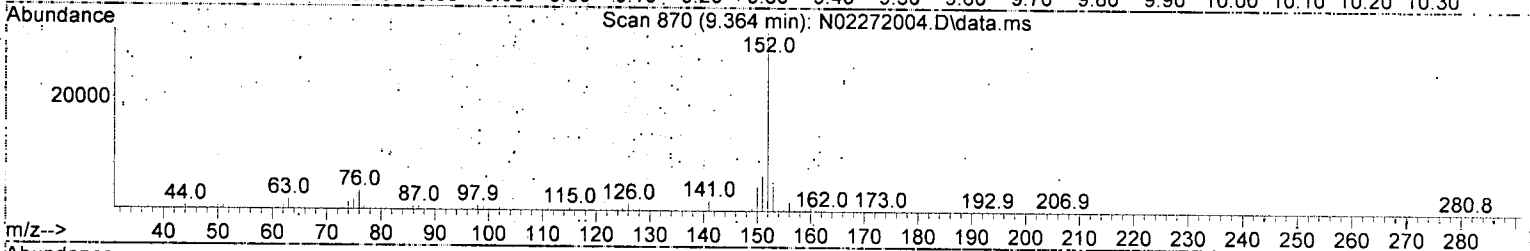
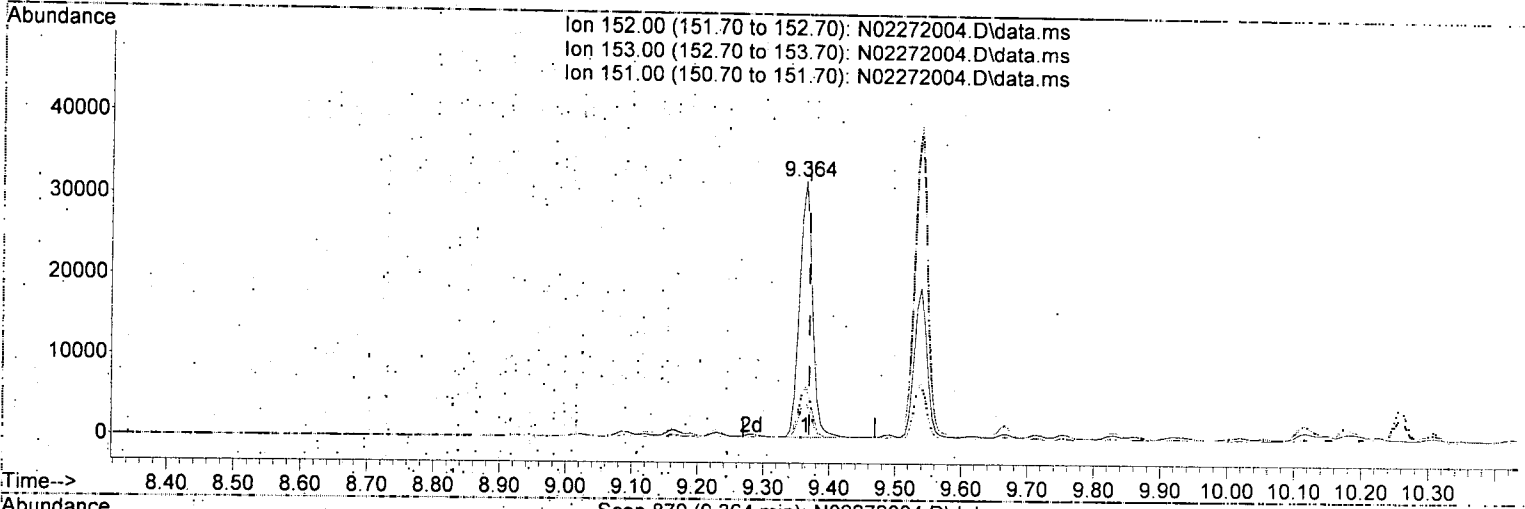
response 4797

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.57
127.00	12.60	12.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



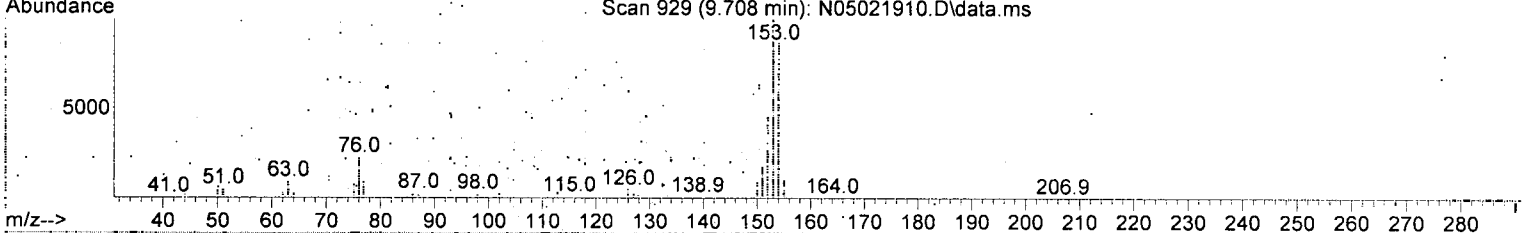
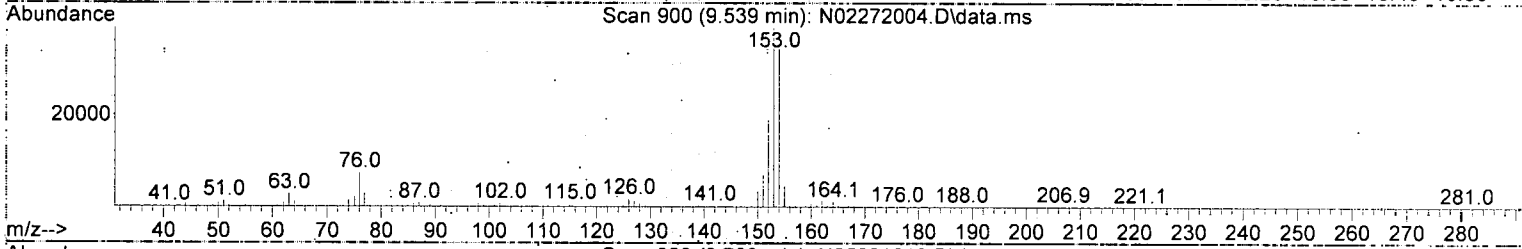
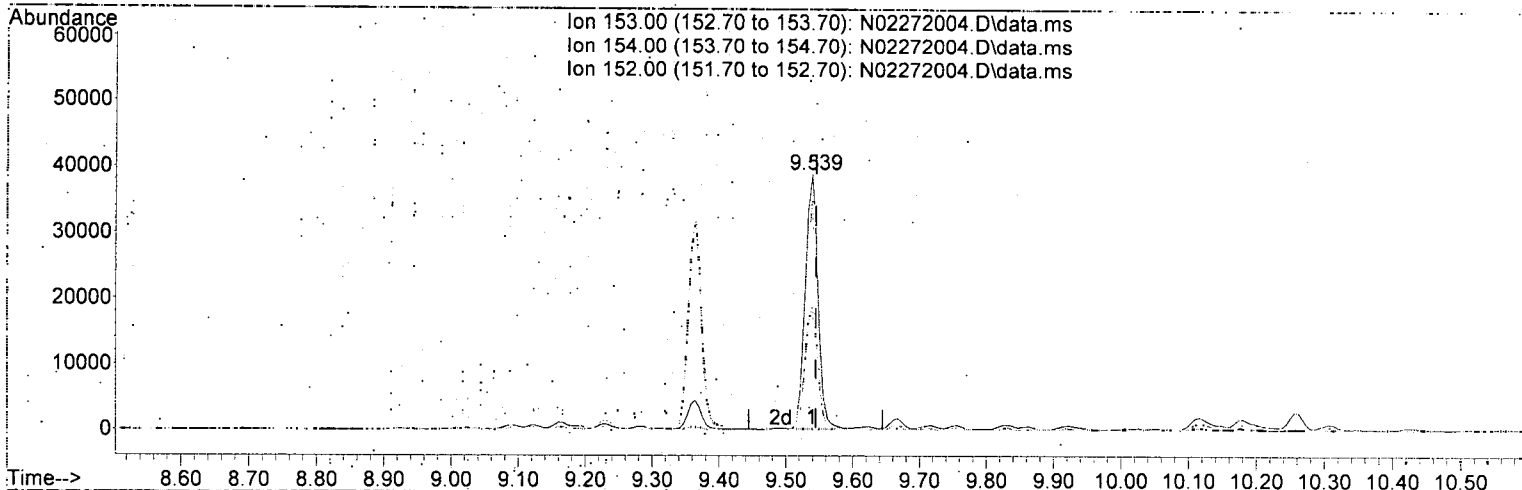
TIC: N02272004.D\data.ms

(12) Acenaphthylene (T)		
9.364min (-0.006) 20.26 ng/ml		
response	44012	
Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	14.04
151.00	19.30	19.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(13) Acenaphthene (T)

9.539min (-0.006) 36.82 ng/ml

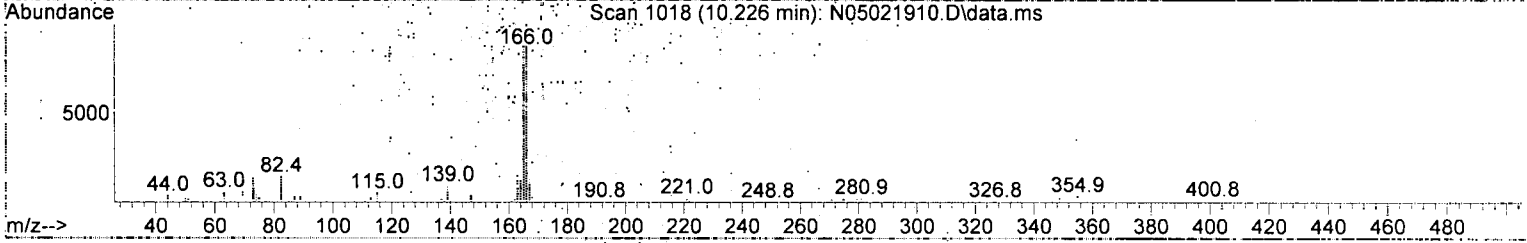
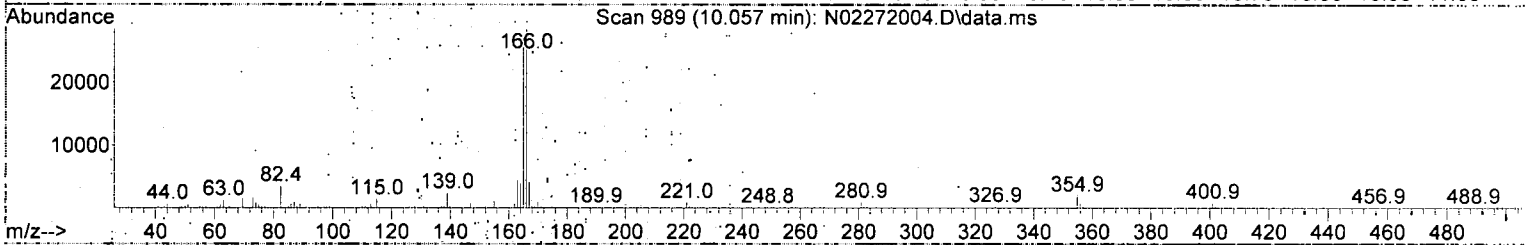
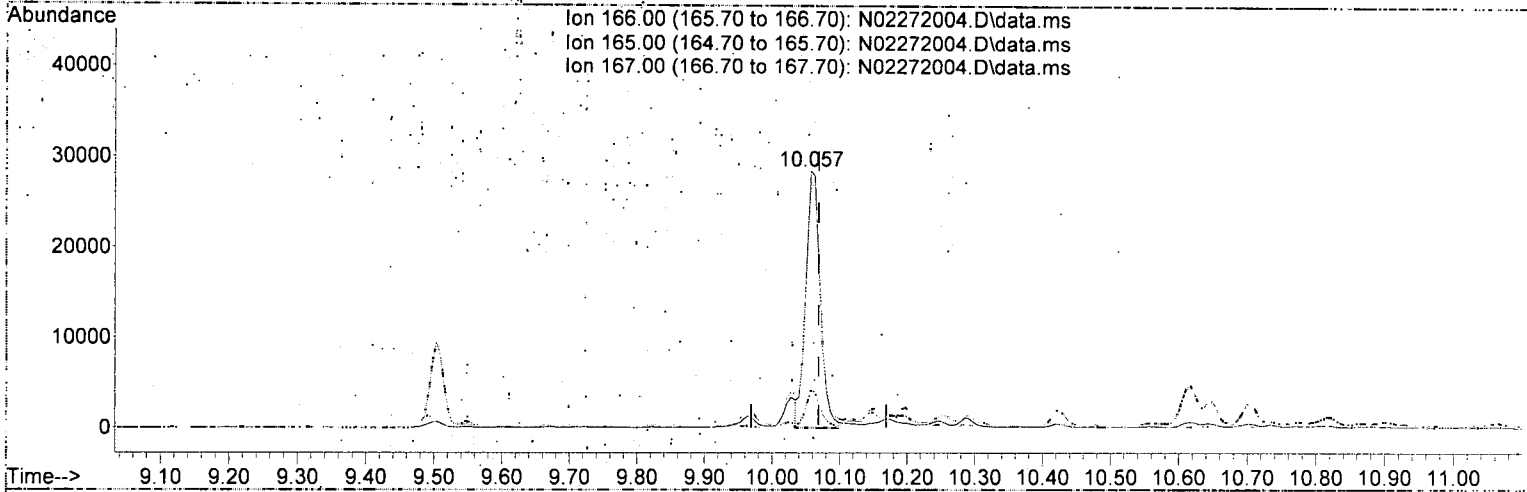
response 52384

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	89.72
152.00	46.80	48.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(16) Fluorene (T)

10.057min (-0.012) 29.36 ng/ml m

response 42745

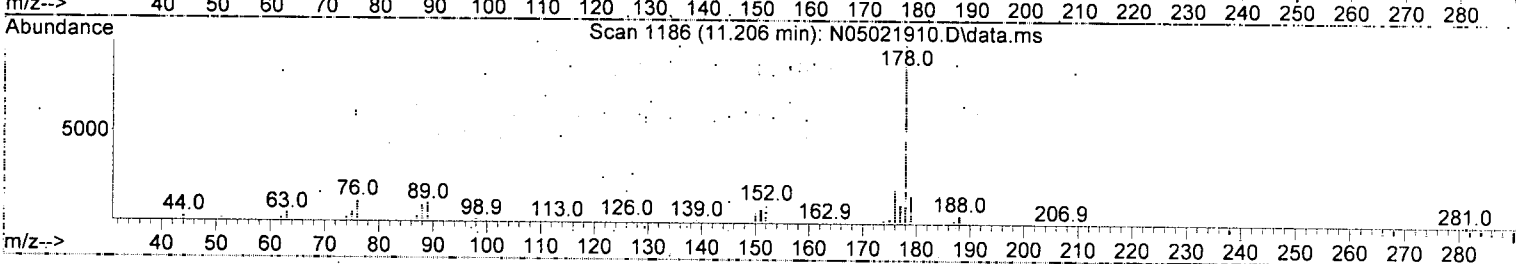
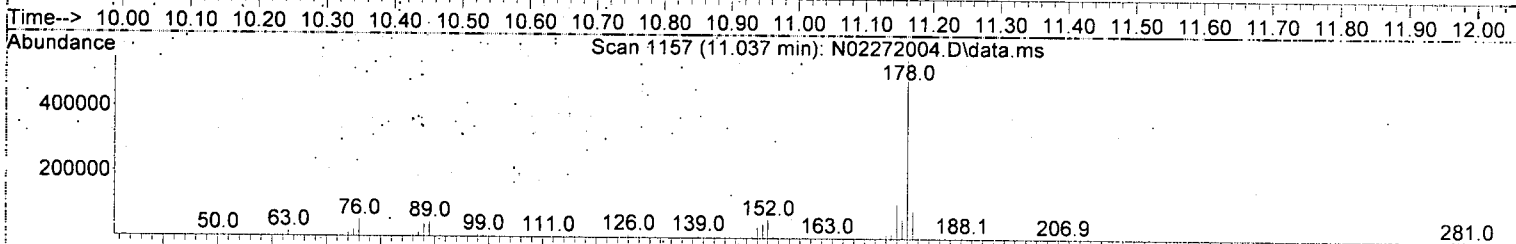
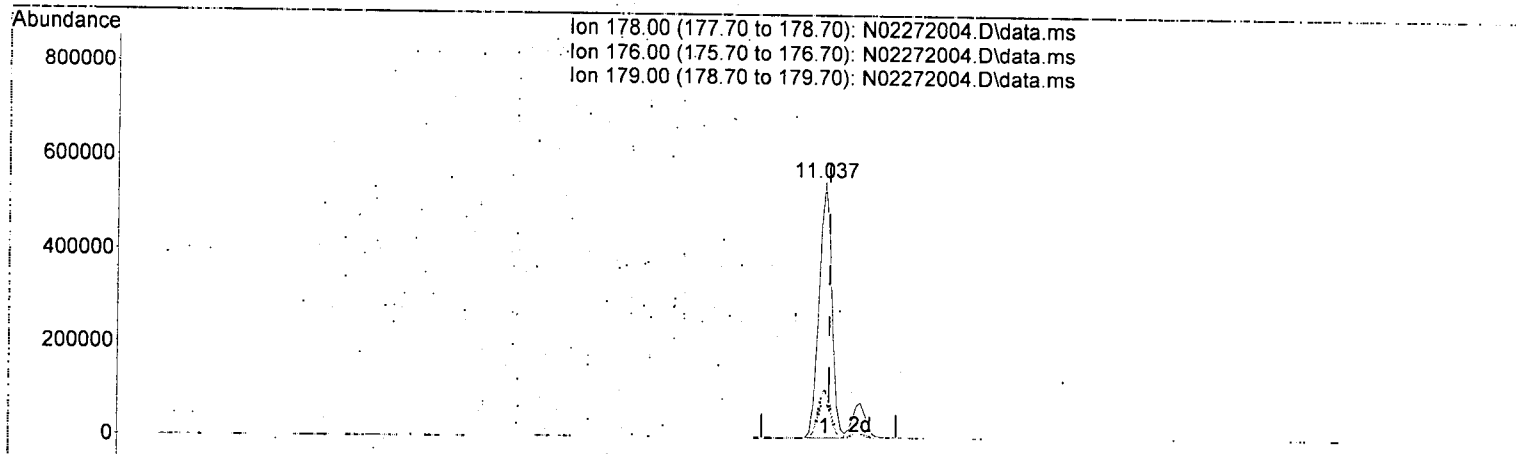
Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.64
167.00	13.60	14.52
0.00	0.00	0.00

Handwritten: OAMS 2/27/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



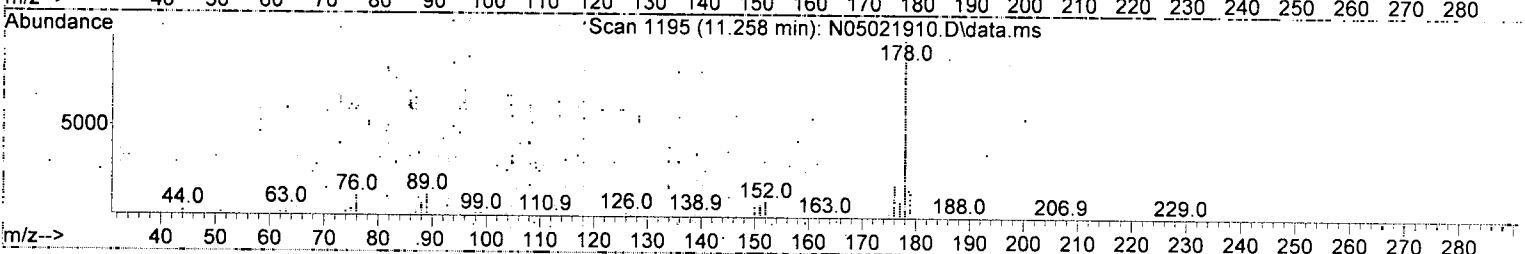
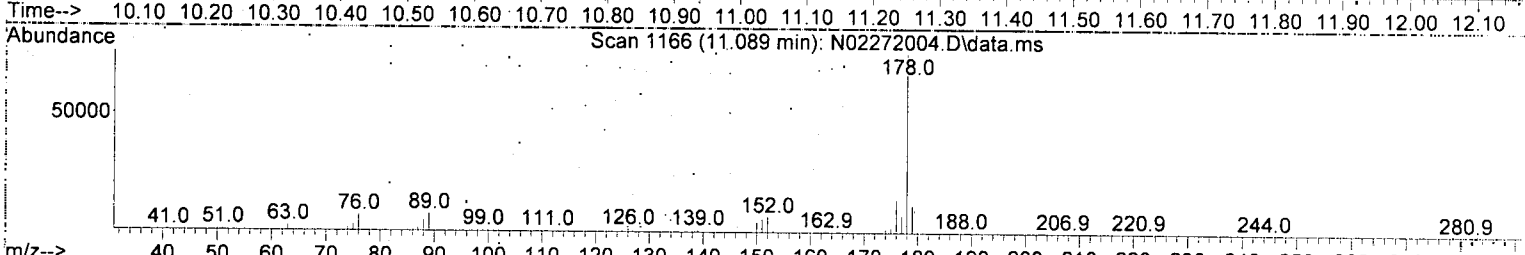
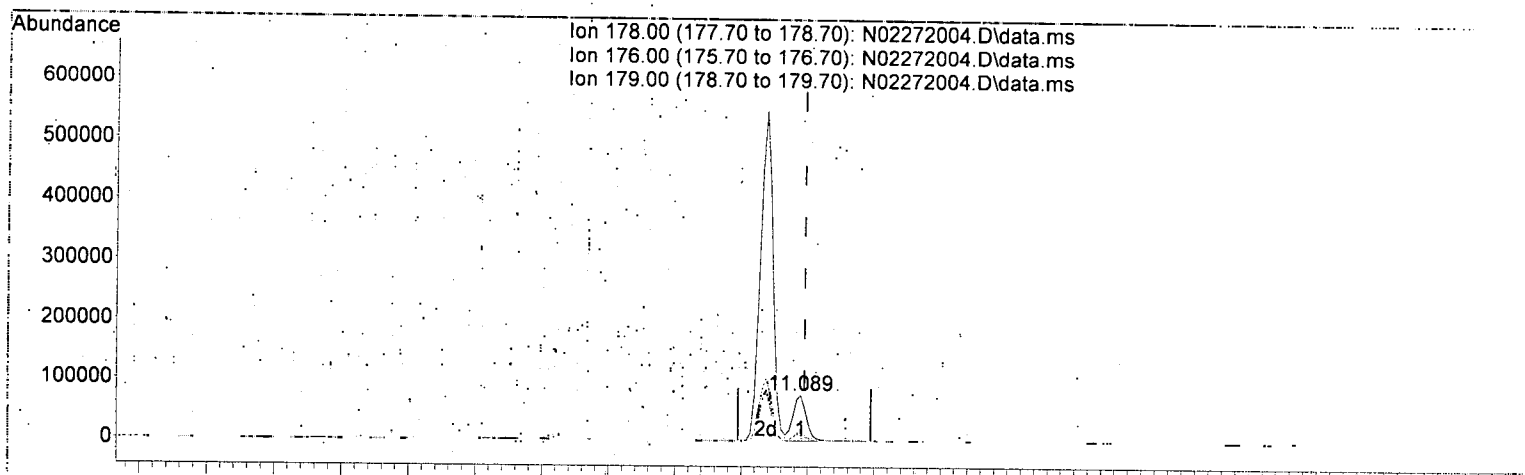
TIC: N02272004.D\data.ms

(19) Phenanthrene (T)		
11.037min (-0.006)	345.11 ng/ml	
response	723466	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.21
179.00	15.10	15.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06.2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



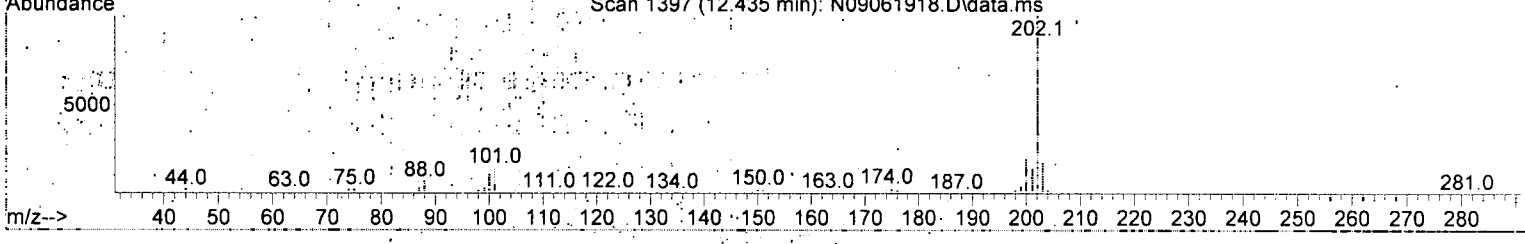
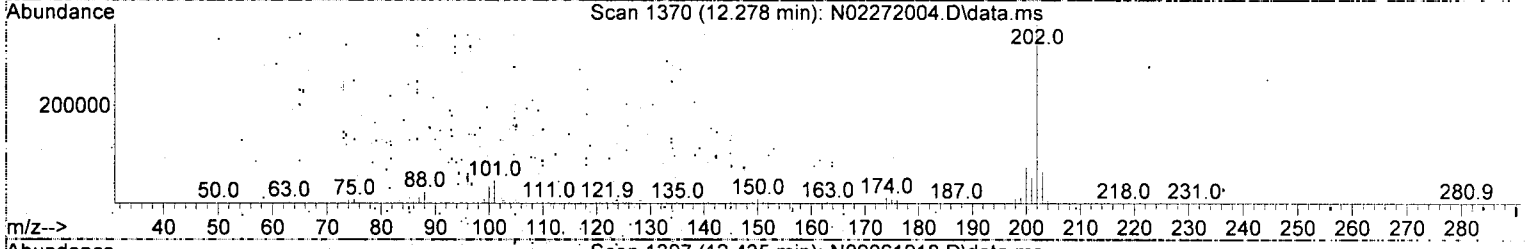
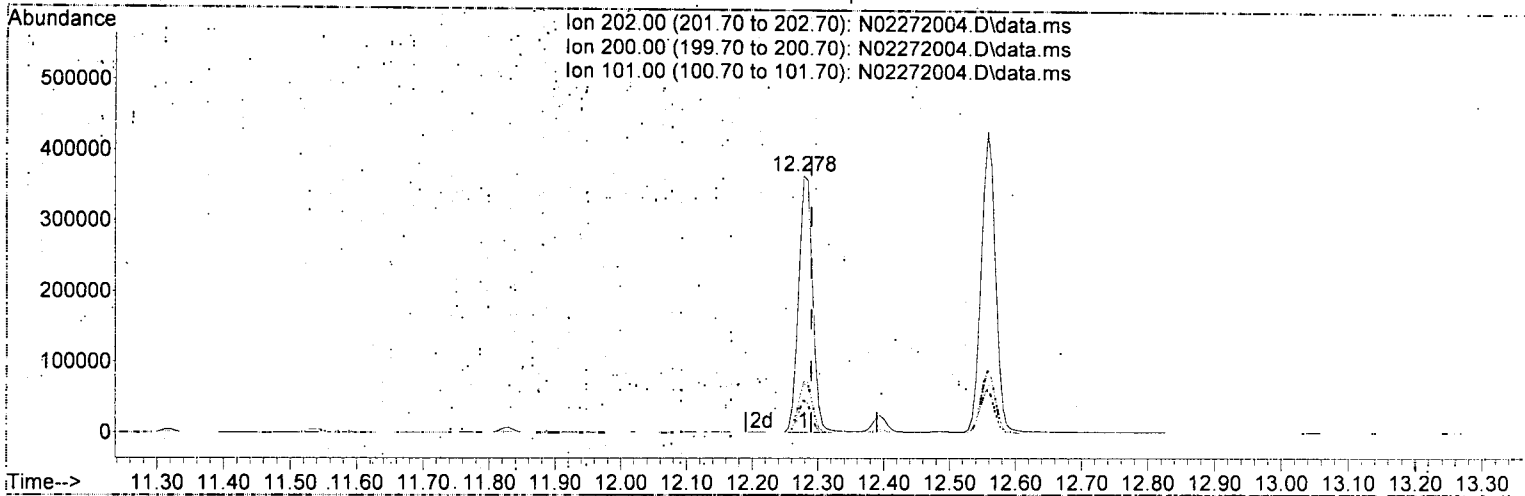
TIC: N02272004.D\data.ms

(20) Anthracene (T)		
11.089min (-0.006)	54.58 ng/ml	
response	106420	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.45
179.00	15.30	15.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH-Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via.: Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(23) Fluoranthene (T)

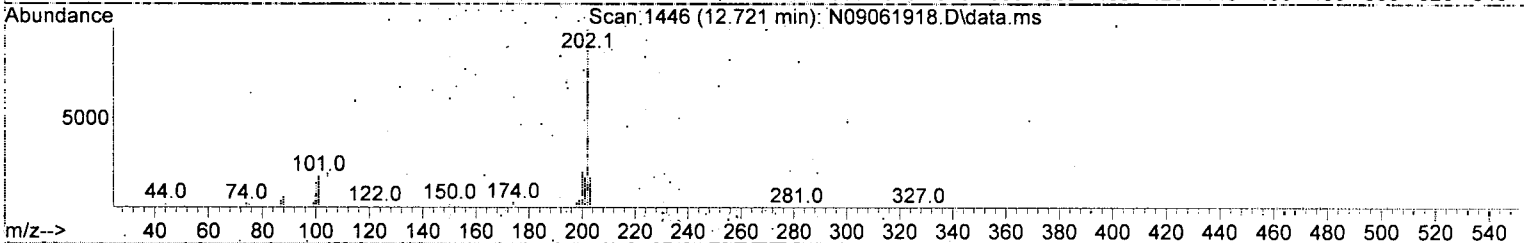
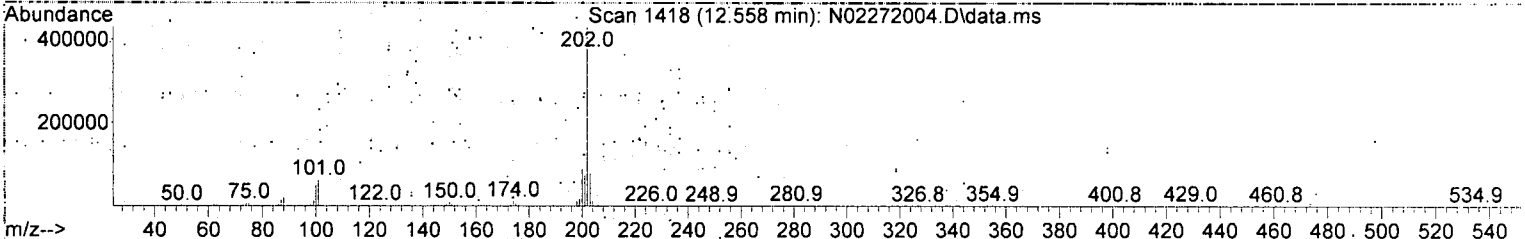
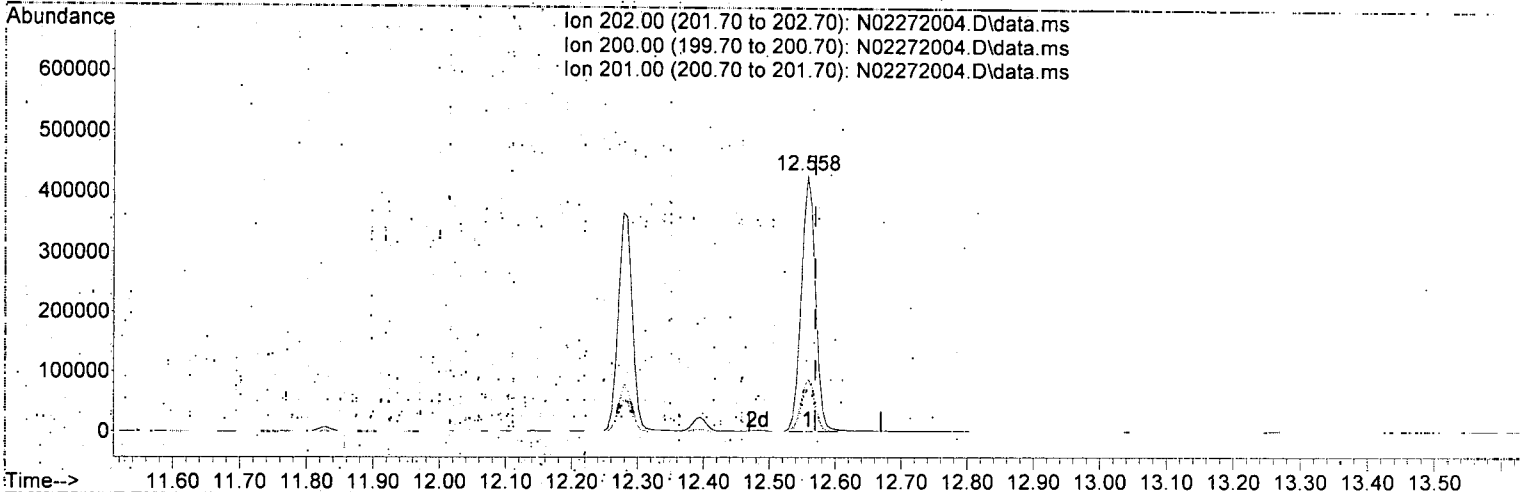
12.278min (-0.012) 259.20 ng/ml

response	547464
Ion	Exp% Act%
202.00	100.00 100.00
200.00	19.70 20.12
101.00	15.30 12.49
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(25) Pyrene (T)

12.558min (-0.012) 325.94 ng/ml

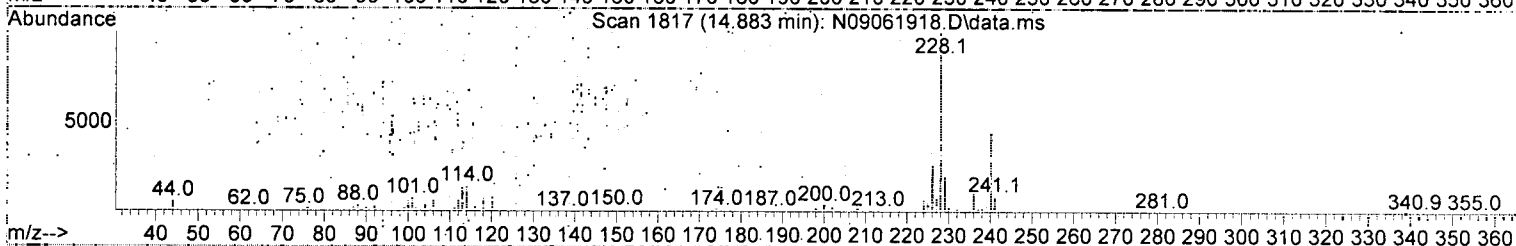
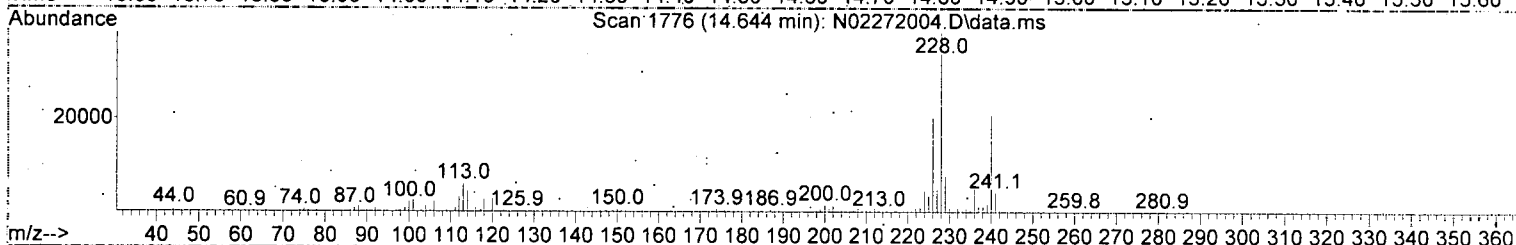
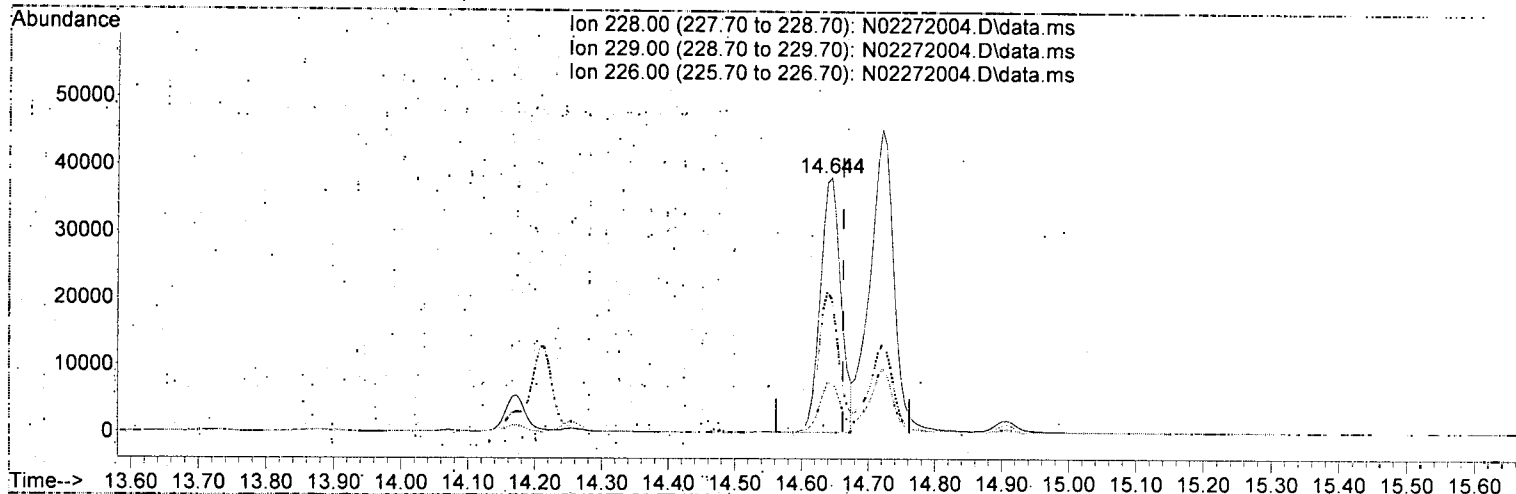
response 645606

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.59
201.00	16.80	17.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



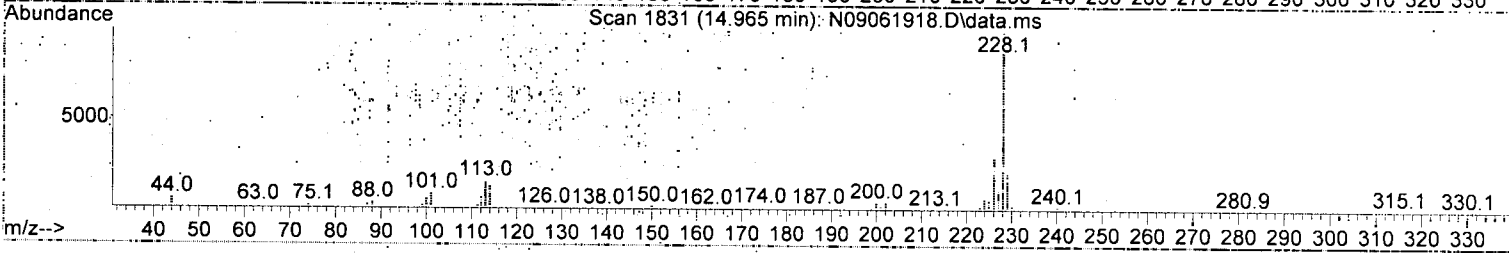
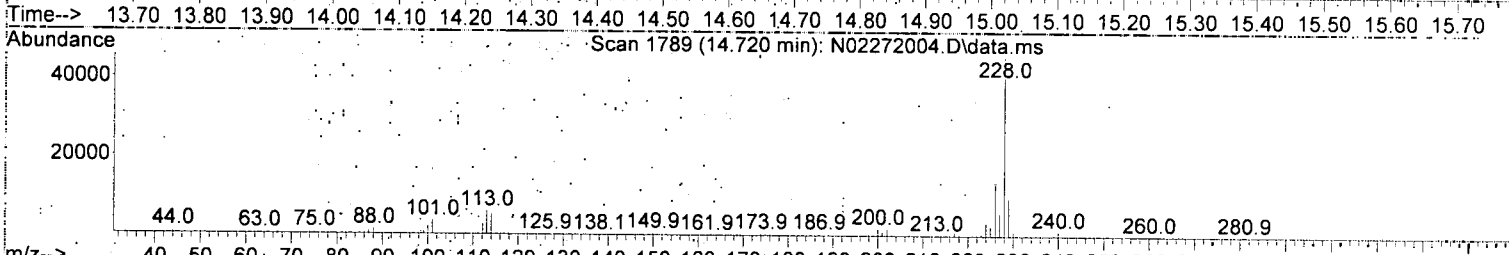
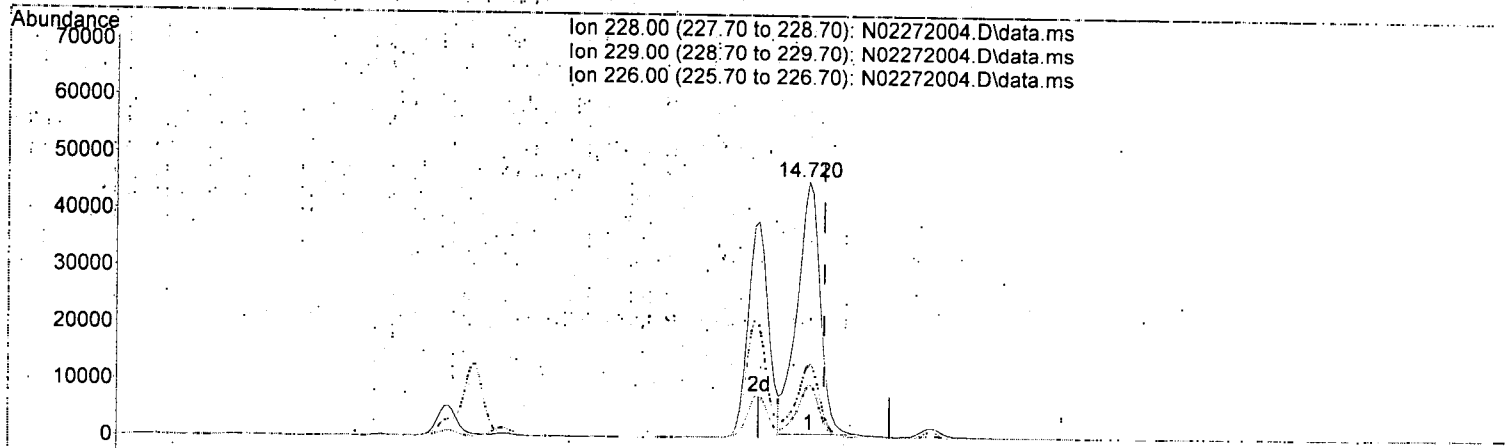
TIC: N02272004.D\data.ms

(27) Benz(a)anthracene (T)		
14.644min (-0.018) 55.77 ng/ml		
response	Exp%	Act%
82093		
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.11
226.00	26.20	52.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



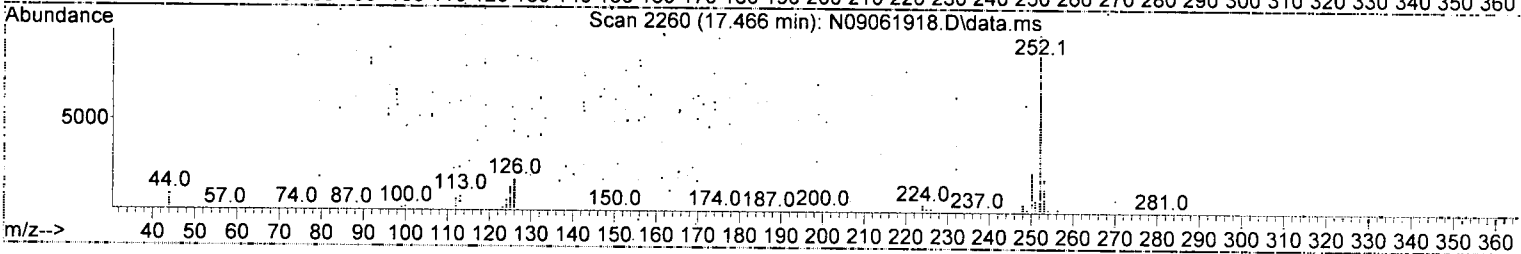
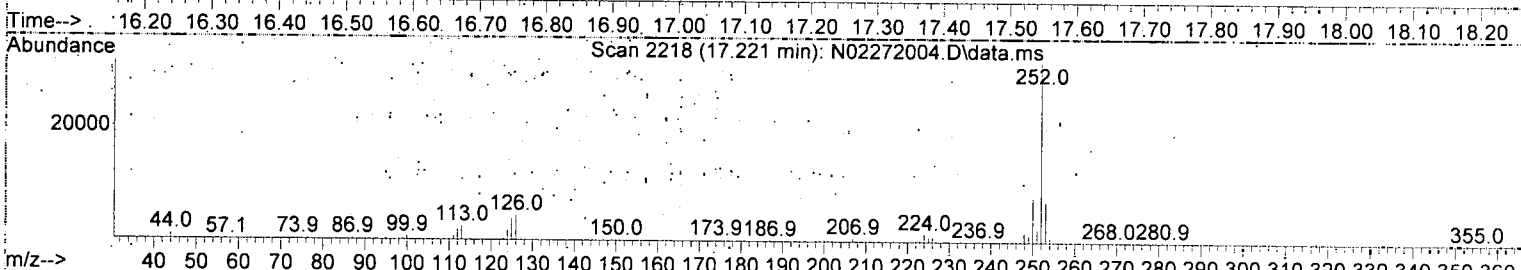
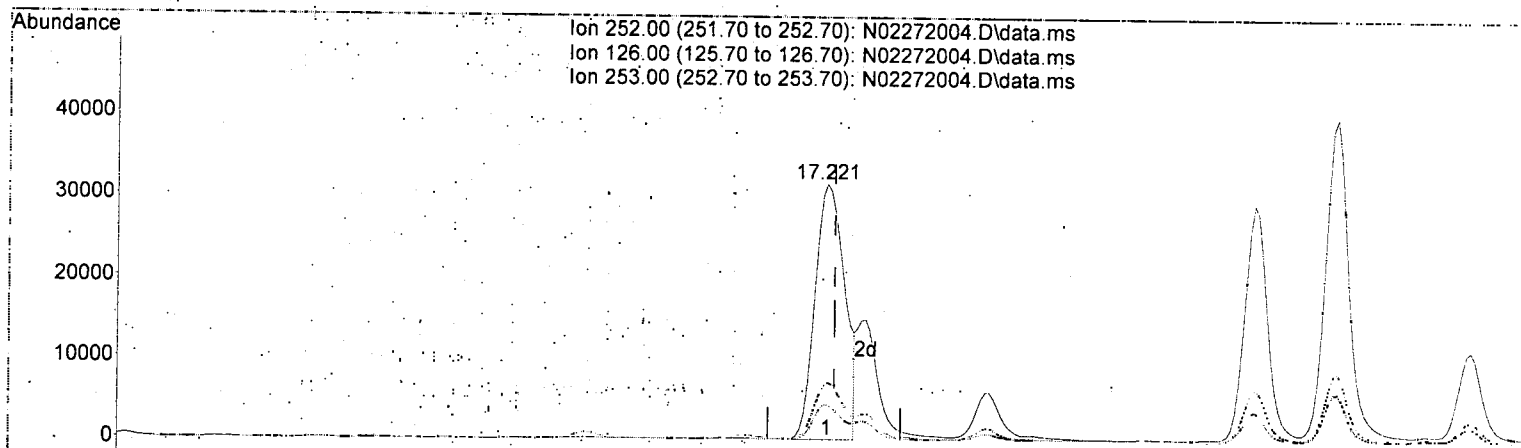
TIC: N02272004.D\data.ms

(28) Chrysene (T)		
14.720min (-0.023)	78.77 ng/ml	
response	109724	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.18
226.00	28.60	29.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



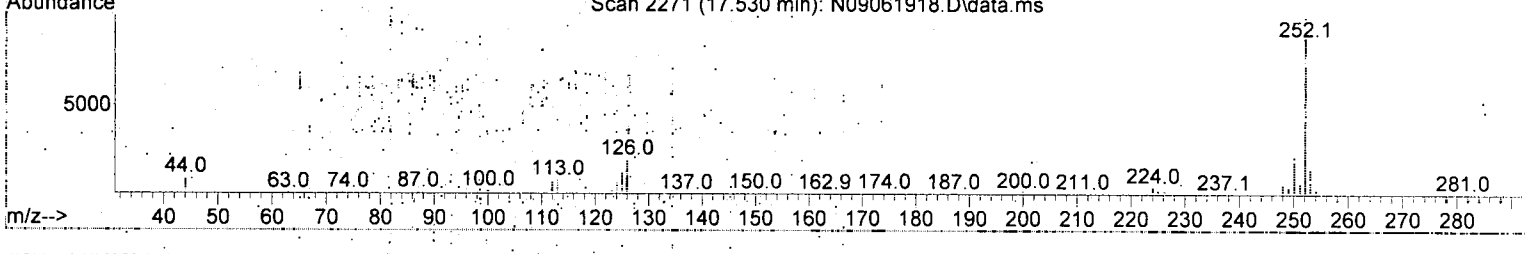
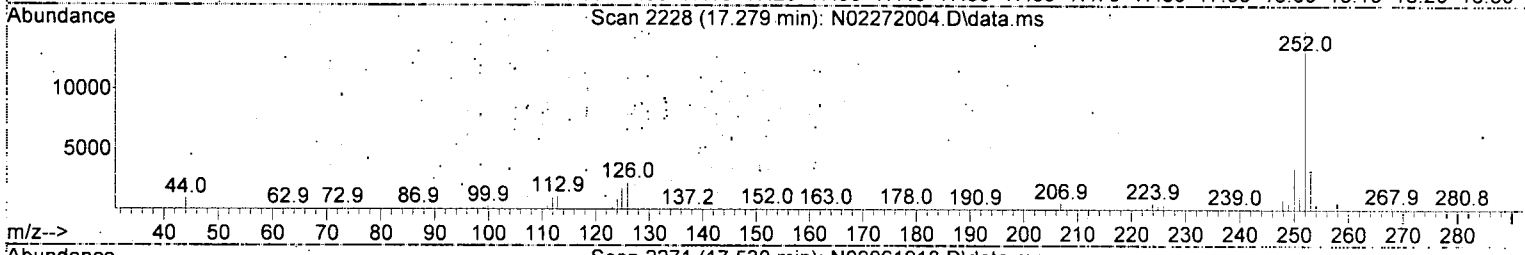
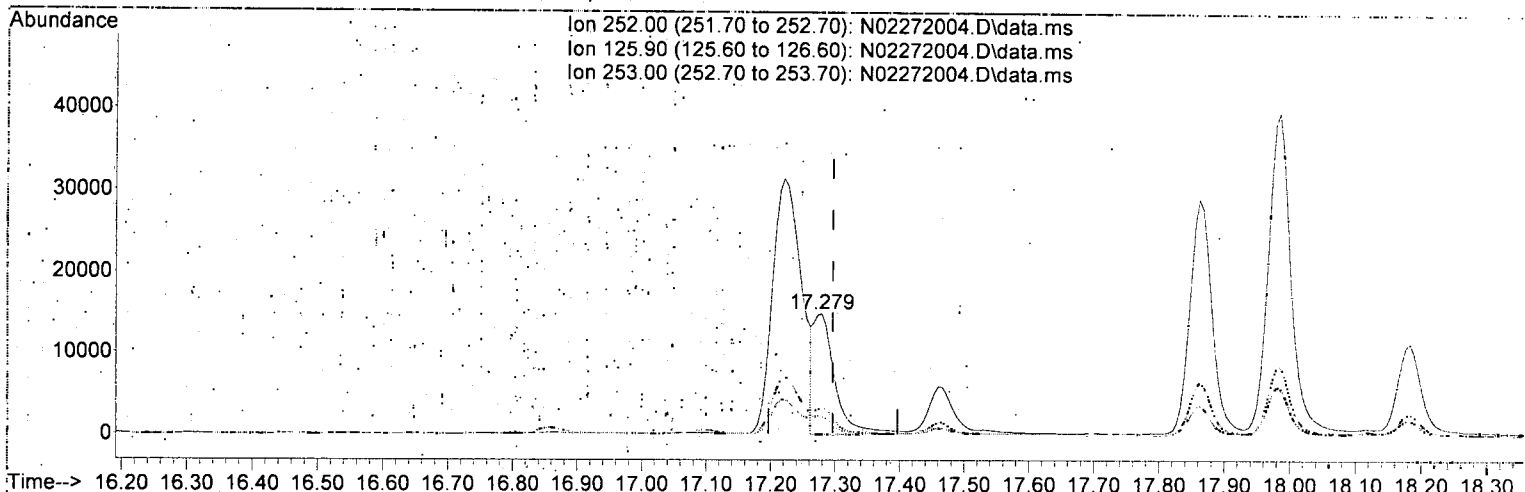
TIC: N02272004.D\data.ms

(30) Benzo (b) fluoranthene (T)		
17.221min (-0.012) 72.11 ng/ml		
response	98198	
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	13.77
253.00	21.10	22.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

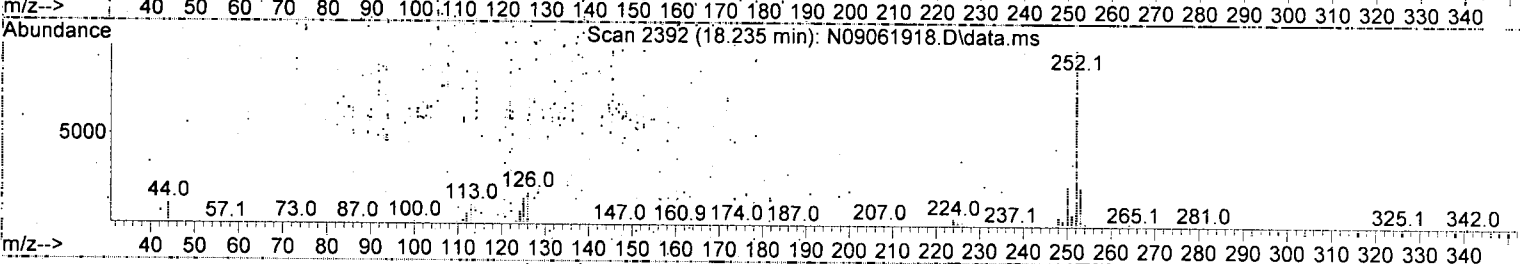
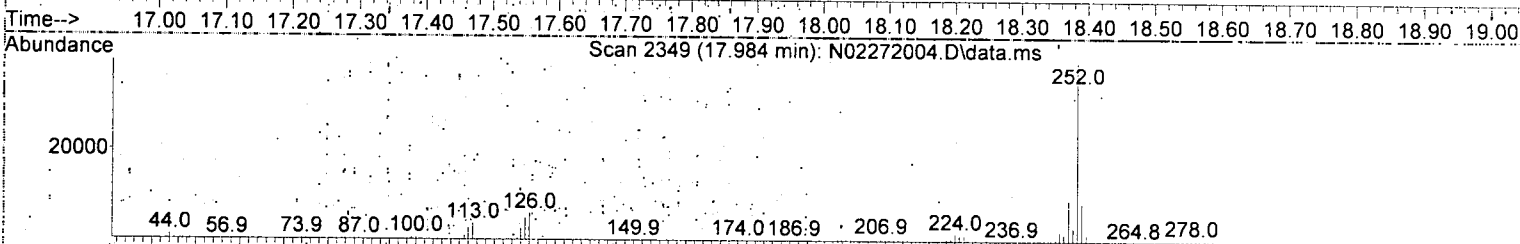
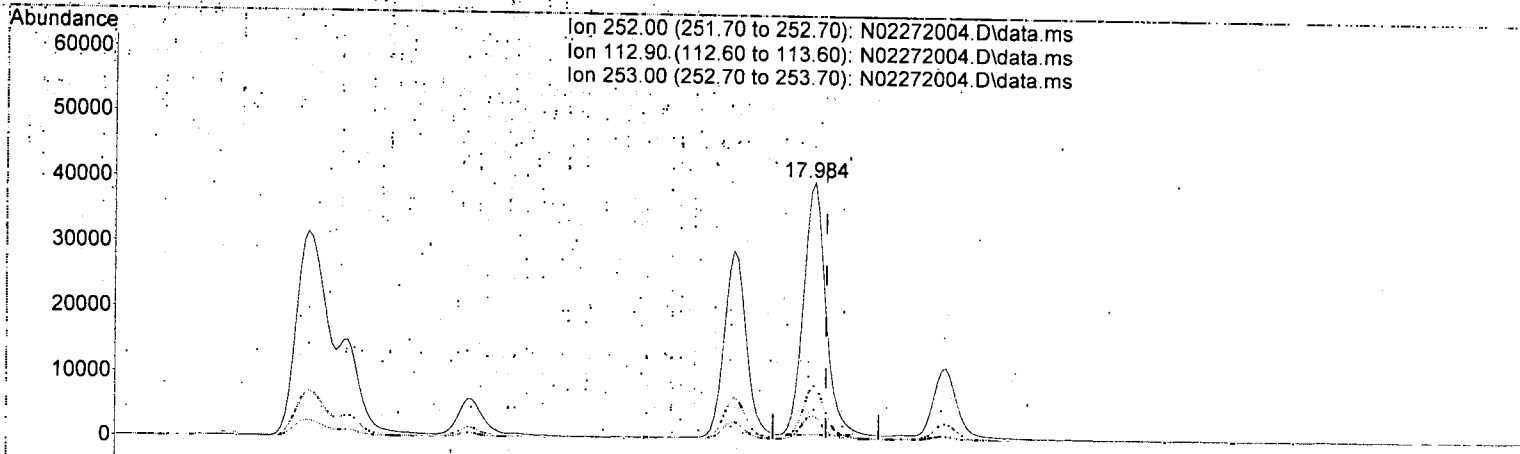
(31) Benzo(k)fluoranthene (T)		
17.279min (-0.018)	24.49 ng/ml	m
response	32834	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.02
253.00	21.50	21.97
0.00	0.00	0.00

AMS
2/27/20 MOS

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(35) Benzo(a)pyrene (T)

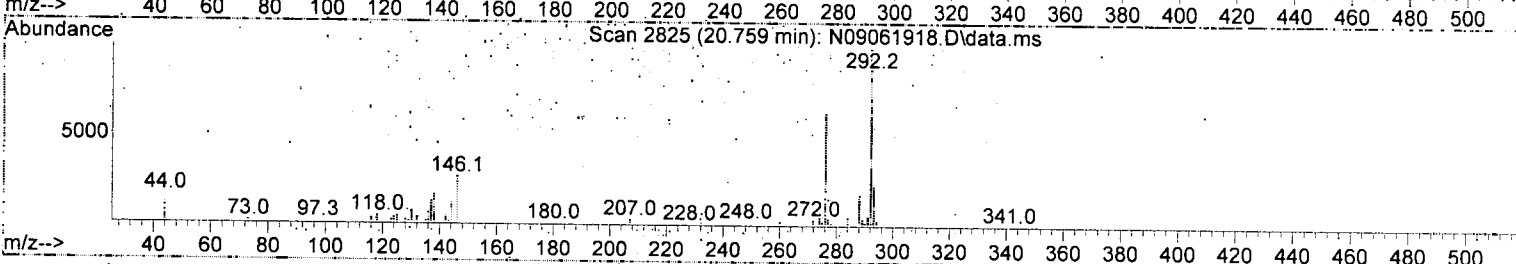
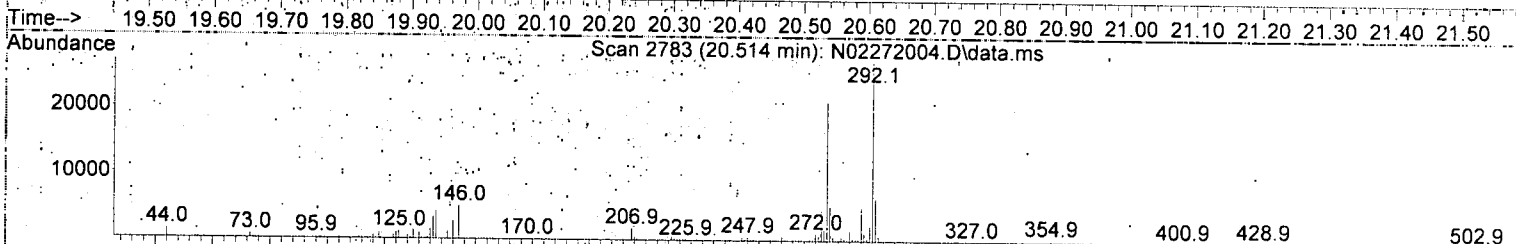
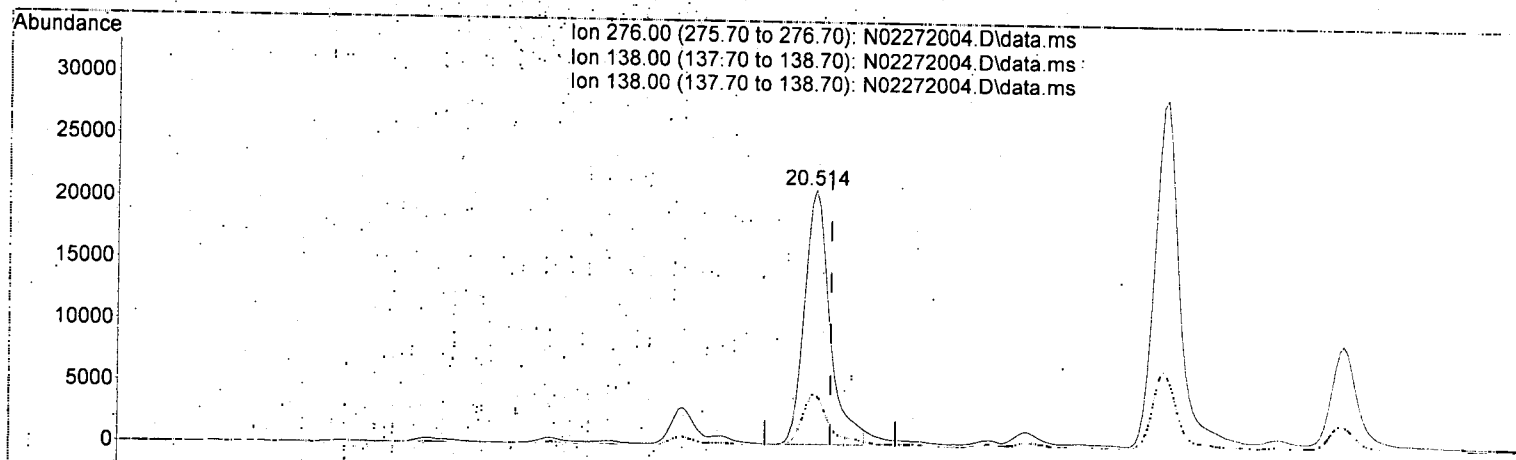
17.984min (-0.017) 77.97 ng/ml

response	Exp%	Act%
90887		
Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.11
253.00	21.90	21.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LV114_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

20.514min (-0.023) 57.61 ng/ml

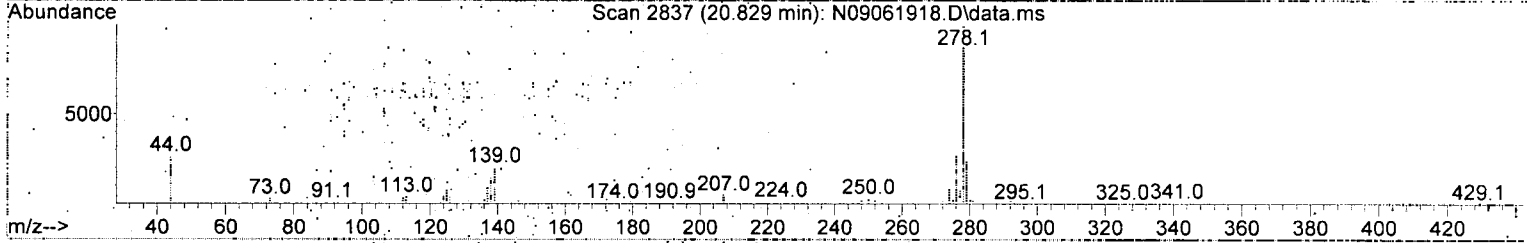
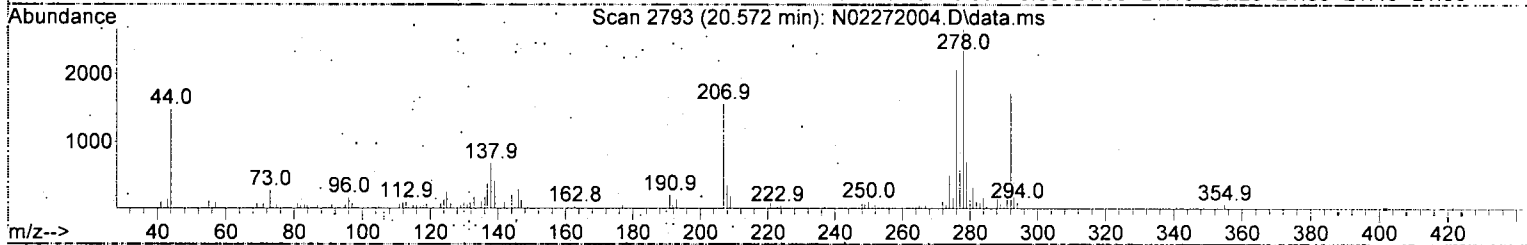
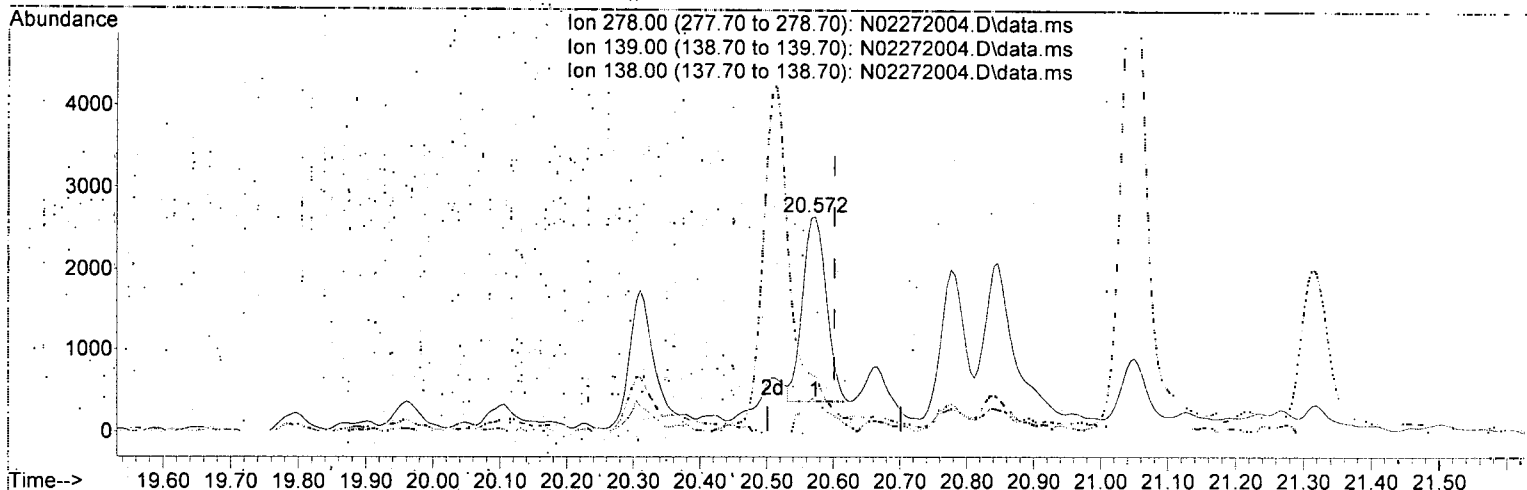
response 56553

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	20.28
138.00	31.60	20.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02272004.D\data.ms

(39) Dibenz(a,h)anthracene (T)

20.572min (-0.029) 6.13 ng/ml

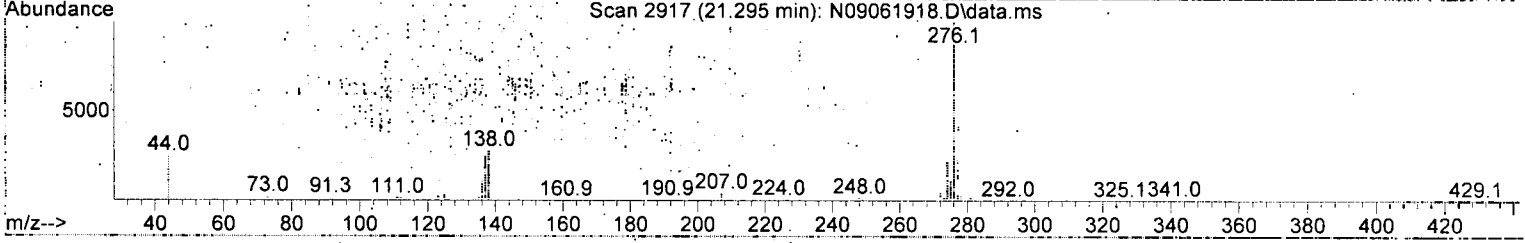
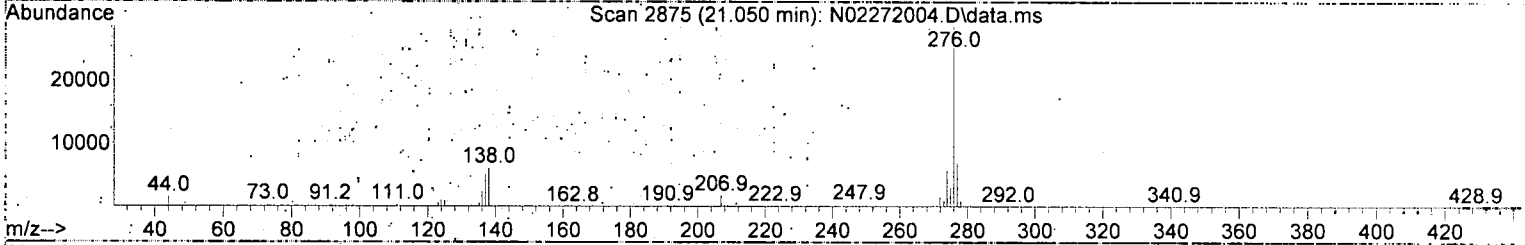
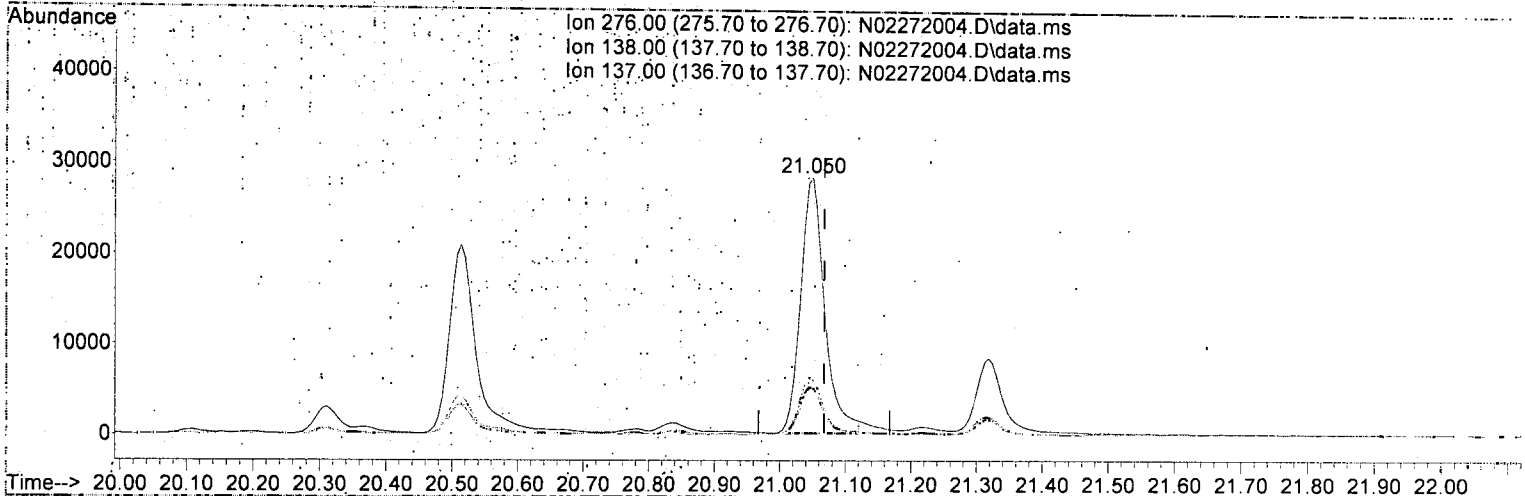
response 5657

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	16.07
138.00	19.90	25.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x; 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

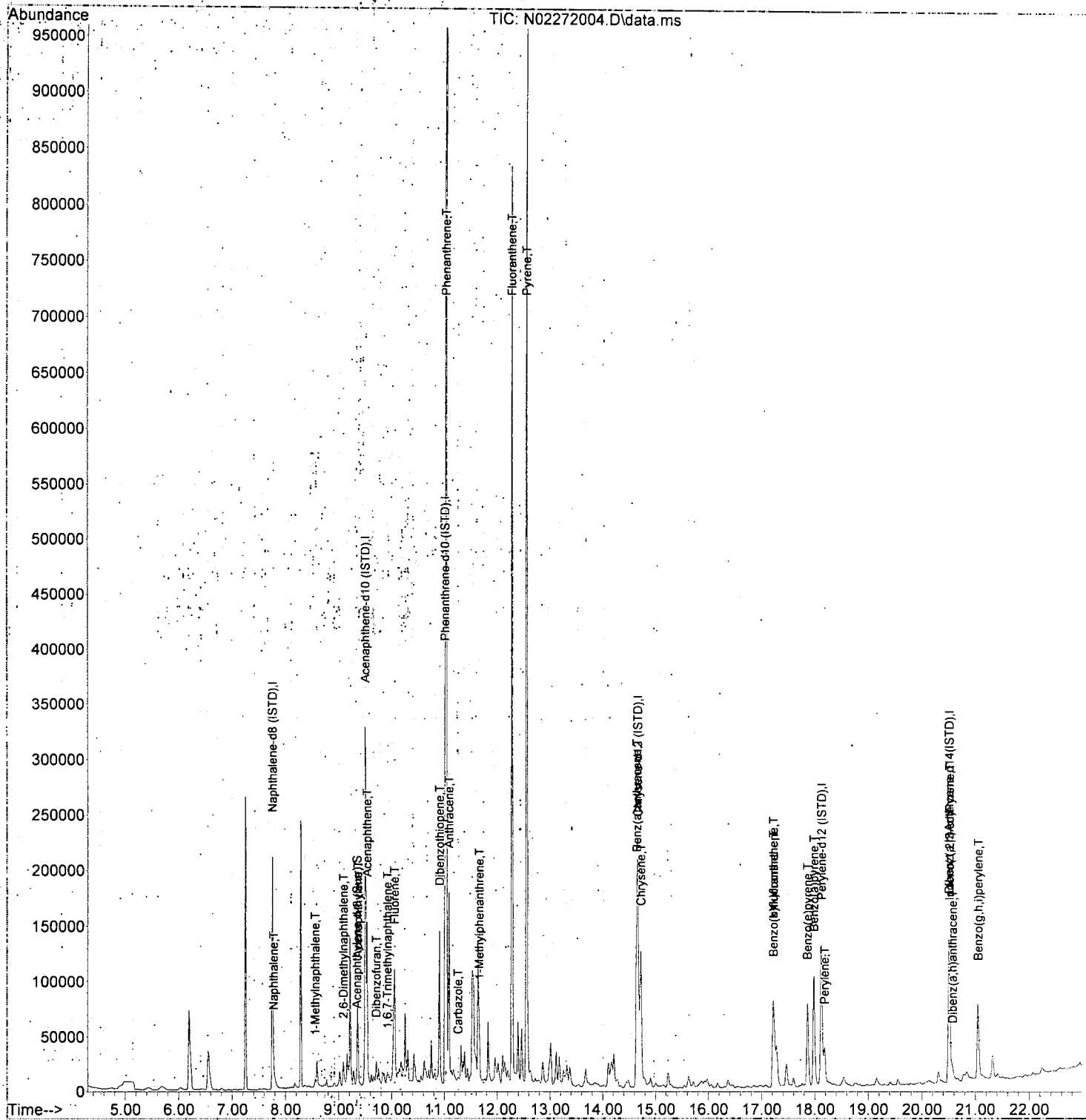


TIC: N02272004.D\data.ms

(40) Benzo(g,h,i)perylene (T)		
21.050min (-0.018)	69.52 ng/ml	
response	72394	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	21.54
137.00	18.60	18.31
0.00	0.00	0.00

Data Path : U:\data\2020-02\0B27023\
 Data File : N02272004.D
 Acq On : 27 Feb 2020 09:46 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-02@1000
 Misc : 1000x, 8270D PAH Only
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 27 12:42:06 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



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

Batch 0020865
Sequence 0B28020 (A0B0681-03RE1,04RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0020865 (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
	0020865-BLK1	QC	02/27/20 13:10	11	5				100				
	0020865-BS1	QC	02/27/20 13:10	10	5	A20B016		100	100				
	A0B0681-03RE1	A 8270D LL PAH Only (Scan)	02/27/20-13:10	10.66	5				100	PDI-022SC-A-05-06-191016	Blank contamination		
	0020865-MS1	QC	02/27/20 13:10	10.67	5	A20B016	A0B0681-03RE1	100	100				
	0020865-MSD1	QC	02/27/20 13:11	10.65	5	A20B016	A0B0681-03RE1	100	100				
	A0B0681-04RE1	A 8270D LL PAH Only (Scan)	02/27/20 13:10	10.48	5				100	PDI-022SC-A-06-07-191016	Due to QC failures. Added 2/27/2020 By jk		
	0020865-DUP1	QC	02/27/20 13:10	10.45	5		A0B0681-04RE1		100				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19I263	03/18/20	DCM CHEM. PROD. 194934
A20A282	07/19/21	Sodium Sulfate Lot # 194865

Analyte Spike(s)

Std ID	Exp. Date	Description
A20B016	08/01/20	LVI PAH Spike @2000ng/ml

Surrogate(s)

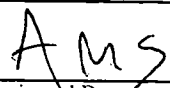
Std ID	Exp. Date	Description
A19L265	06/07/20	8270D LL PAH Only Surr. (5ppm)

Method 3546 digestion time and temperature achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____


 3/2/20
 Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0020865 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-8	>11
32	0020865-BLK1	QC	02/27/20 13:10	10 11.00	5				100					
33	0020865-BS1	QC	02/27/20 13:10	10	5	A20B016		100	100					
34	A0B0681-03RE1	A 8270D LL PAH Only (Scan)	02/27/20 13:10	10 10.66	5				100	PDI-022SC-A-05-06-191016	Blank contamination Soil (sand)			
35	0020865-MS1	QC	02/27/20 13:10	10 10.67	5	A20B016	A0B0681-03RE1	100	100		Soil (sand)			
36	0020865-MSD1	QC	02/27/20 13:11	10 10.65	5	A20B016	A0B0681-03RE1	100	100		Soil (sand)			
37	A0B0681-04RE1	A 8270D LL PAH Only (Scan)	02/27/20 13:10	10 10.48	5				100	PDI-022SC-A-06-07-191016	Due to QC failures, Added 2/27/2020 By jk Soil (sand)			
38	0020865-DUP1	QC	02/27/20 13:10	10 10.75	5		A0B0681-04RE1		100		Soil (sand)			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19I263	03/18/20	DCM CHEM PROD. 194934
A20A282	07/19/21	Sodium Sulfate Lot # 194865

Analyte Spike(s) CAS

Std ID	Exp. Date	Description
A20B016	08/01/20	LVI PAH Spike @2000ng/ml

Surrogate(s) CAS

Std ID	Exp. Date	Description
A19L265	06/07/20	8270D LL PAH Only Surr. (5ppm)

Method 3546 digestion time and temperature achieved.

Initial: SG

Witness: ATO 2-27-20

CAS

Prepared By:

CAH

02/27/2020

Date

02/27/20/20

CAH

Reviewed By:

2/28/20

Date



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0B28020**

Instrument: **SV-GCMS14**

Date: **02/28/20 08:55**

Calibration: **A9I1001**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0B28020-TUN1	Sediment	QC	QC				
2	0B28020-CCV1	Sediment	QC	QC			A19K048	A20B266
3	0B28020-CCB1	Sediment	QC	QC			A19K048	A19K012
4	0020865-BLK1	Sediment	QC	QC			A19K048	
5	0020865-BS1	Sediment	QC	QC		0020865	A19K048	
6	A0B0681-03RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020865	A19K048	
7	0020865-DUP1	Sediment	QC	QC		0020865	A19K048	
8	A0B0681-04RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020865	A19K048	
9	0020865-MS1	Sediment	QC	QC		0020865	A19K048	
10	0020865-MSD1	Sediment	QC	QC		0020865	A19K048	
11	A0B0679-14RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
12	A0B0679-15RE2	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
13	A0B0679-13RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
14	A0B0679-15RE3	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	02/28/20	0020782	A19K048	
15	0B28020-IBL1	Sediment	QC	QC			A19K048	

Data Entered By:

AMS 3/2/20

Comments:

Data Reviewed By:

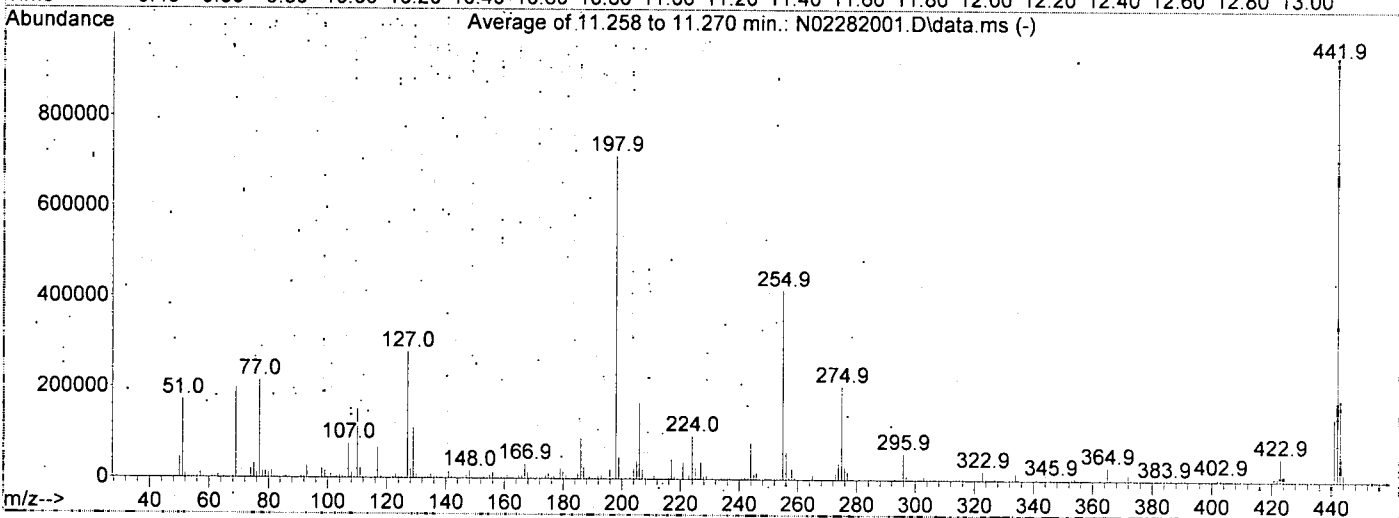
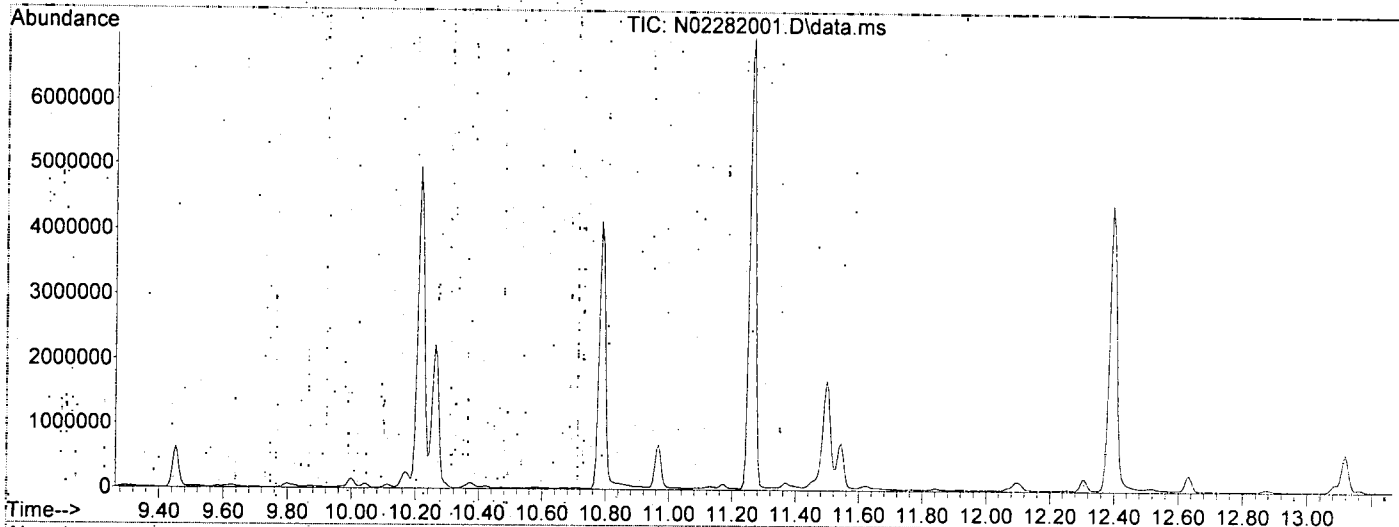
MS 3/2/20

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282001.D
 Acq On : 28 Feb 2020 09:01 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-TUN1
 Misc : 1x A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Tue Feb 04 07:34:06 2020

011 2/28/20



AutoFind: Scans 1195, 1196, 1197; Background Corrected with Scan 1189

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3198	PASS
69	69	100	100	100.0	198251	PASS
70	69	0.00	2	0.5	1022	PASS
197	198	0.00	2	0.5	3383	PASS
198	198	100	100	100.0	713077	PASS
199	198	5	9	6.7	47727	PASS
365	198	1	100	4.1	29083	PASS
441	443	0.01	150	77.3	139365	PASS
442	198	0.10	200	131.0	934485	PASS
443	442	15	24	19.3	180203	PASS

✓

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282001.D
 Acq On : 28 Feb 2020 09:01 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 28 17:12:08 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

DTH 2/28/20

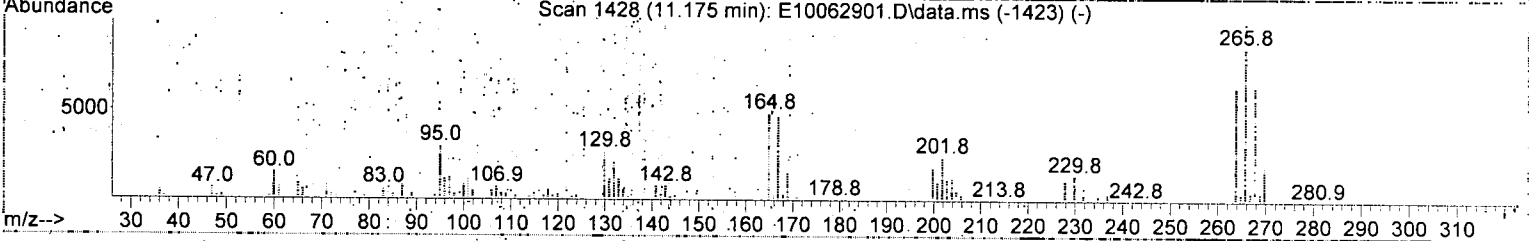
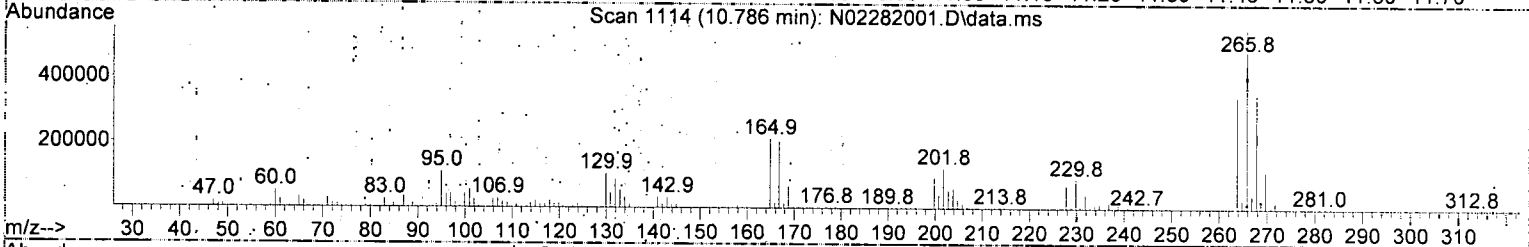
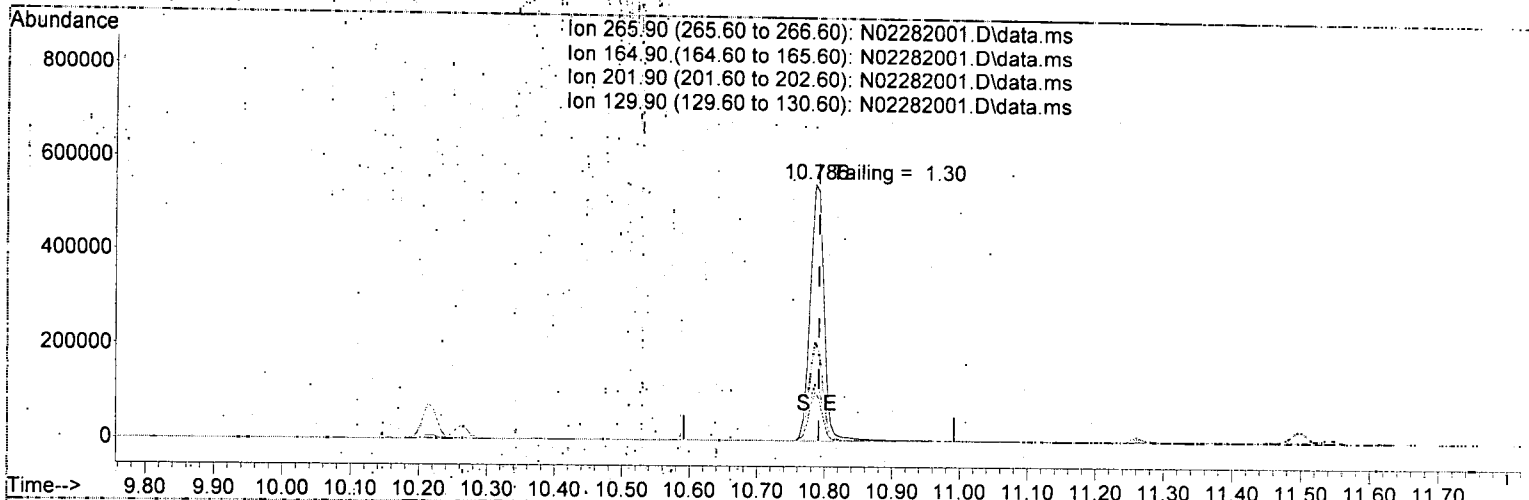
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.484	150	129329	2.00	ug/mL	0.00
2) Naphthalene-d8	7.691	136	355621	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.451	162	191592	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.966	188	354290	2.00	ug/mL	0.00
11) Chrysene-d12	14.569	240	301233	2.00	ug/mL	0.00
12) Perylene-d12	16.679	264	283441	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene	17.862	292	242006	2.00	ug/mL	# 0.00
Target Compounds						
4) Pentachlorophenol	10.786	266	764461	42.25	ug/mL	Qvalue 85
6) DFTPP	11.264	442	1398595	48.90	ug/mL	77
7) Benzidine	12.394	184	3053230	24.23	ug/mL	98
8) 4,4-DDE	12.633	TIC	343235	No Calib		
9) 4,4-DDD	13.117	TIC	926088	No Calib		
10) 4,4-DDT	13.636	TIC	10716881	29.50	ug/mL	95

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282001.D
 Acq On : 28 Feb 2020 09:01 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-TUN1
 Misc : 1x, A20B266 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 28 17:12:08 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270.DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



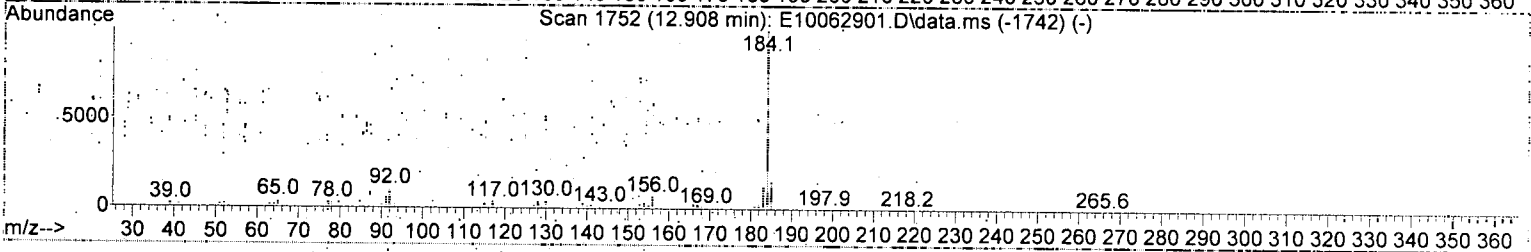
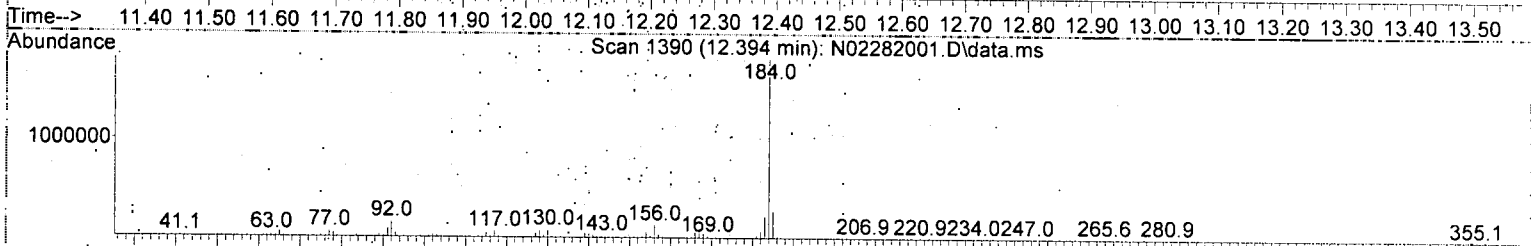
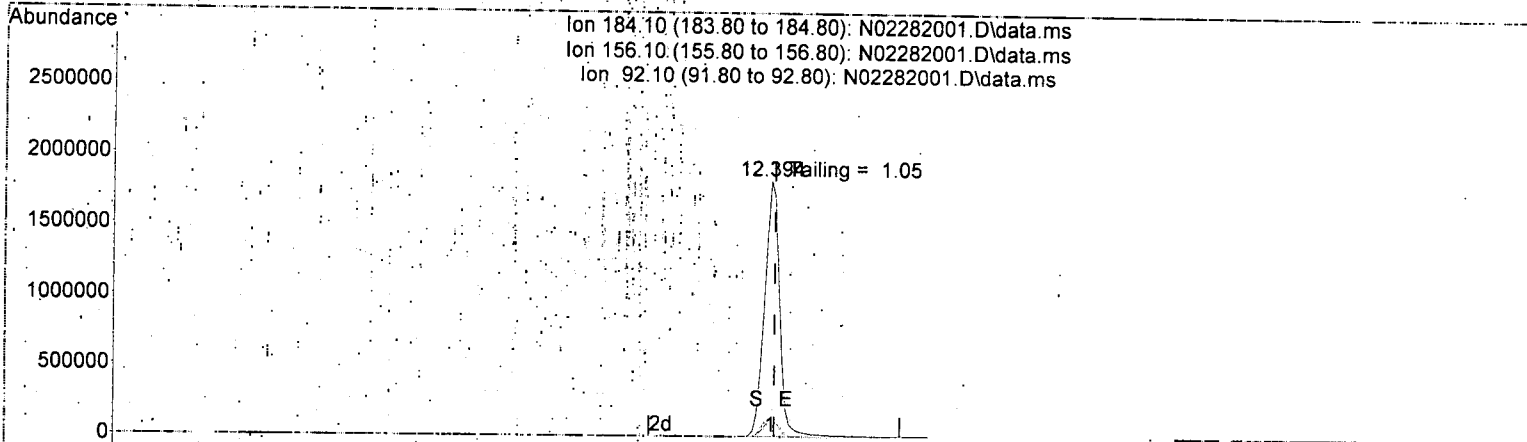
TIC: N02282001.D\data.ms

(4) Pentachlorophenol		
10.786min (-0.006)	42.25 ug/mL	
response	764461	
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	38.48
201.90	25.80	22.19
129.90	27.30	18.96

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282001.D
 Acq On : 28 Feb 2020 09:01 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-TUN1
 Misc : 1x, A20B266.DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Feb 28 17:12:08 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Tue Feb 04 07:34:06 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282001.D\data.ms

(7) Benzidine

12.394min (-0.006) 24.23 ug/mL

response 3053230

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.02
92.10	8.20	8.44
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

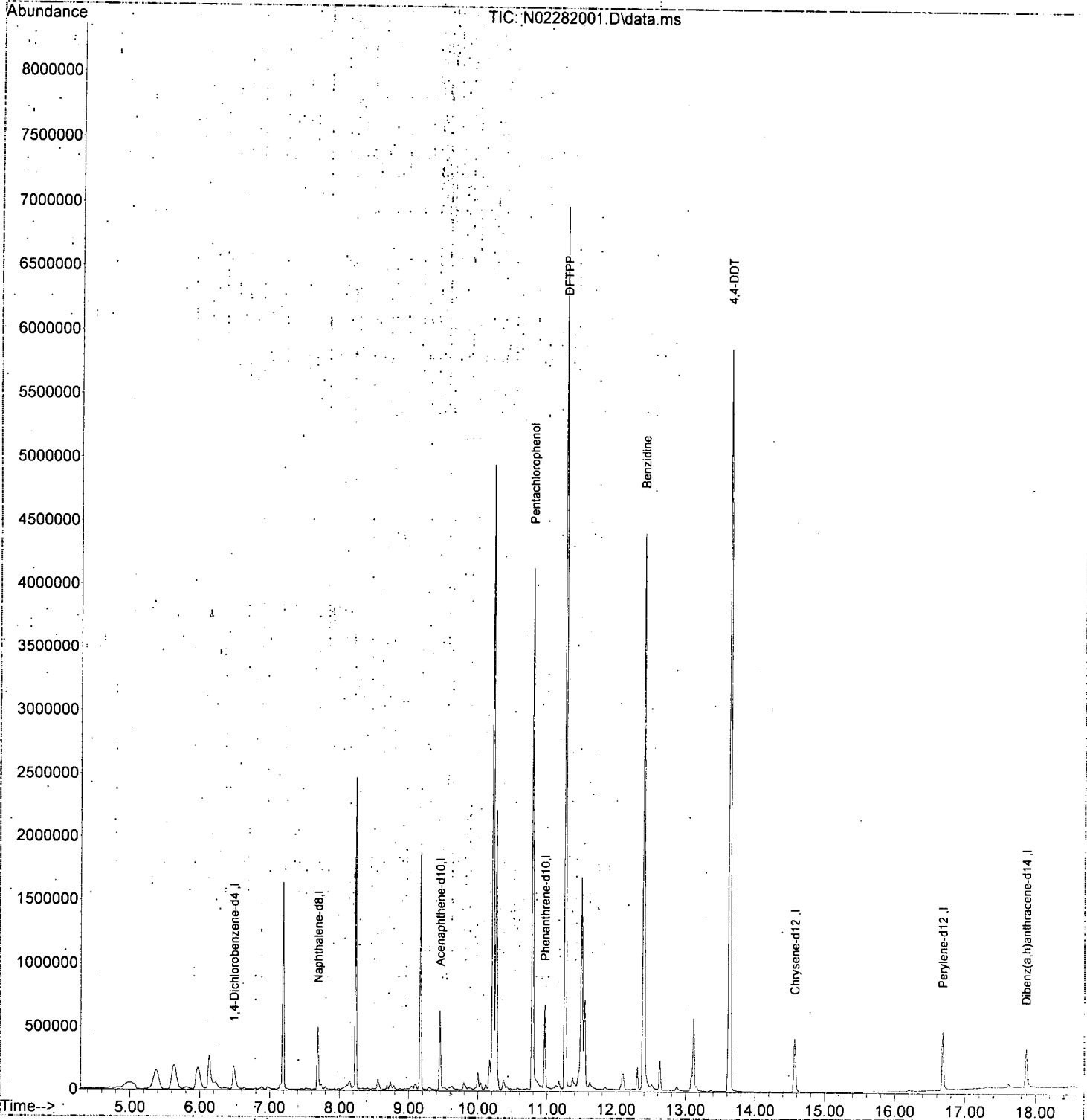
From:
0B28020-TUN1
SV-GCMS14

First Column Area Counts	Percent Breakdown
DDE 343235	
DDD 926088	
DDT 10716881	10.59 PASS

Breakdown must be less than 20% to accept sample data.

Data Path.: U:\data\2020-02\0B28020\
Data File.: N02282001.D
Acq On : 28 Feb 2020 09:01 am
Operator : JK/ AMS/ DTH
Sample : 0B28020-TUN1
Misc : 1x, A20B266 DFTPP
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Feb 28 17:12:08 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Tue Feb 04 07:34:06 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282002.D
 Acq On : 28 Feb 2020 09:28 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:18:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

DTH 2/28/20

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	125	-0.01
2 S	Nitrobenzene-d5 (Surr)	50.000	49.787	0.4	128	0.00
3 T	Decalin	50.000	21.568	56.9#	54	-0.01
4 T	Naphthalene	50.000	48.573	2.9	124	0.00
5 T	2-Methylnaphthalene	50.000	41.535	16.9	103	-0.01
6 T	1-Methylnaphthalene	50.000	41.823	16.4	102	-0.01
7 T	1,1'-Biphenyl	50.000	39.187	21.6#	98	0.00
8 T	2,6-Dimethylnaphthalene	50.000	39.383	21.2#	96	-0.01
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	101	-0.01
10 S	2-Fluorobiphenyl (Surr)	50.000	50.257	-0.5	102	-0.01
11 S	Acenaphthylene d-8 (Surr)	50.000	0.695	98.6#	4	-0.01
12 T	Acenaphthylene	50.000	46.451	7.1	93	-0.01
13 T	Acenaphthene	50.000	47.814	4.4	98	0.00
14 T	Dibenzofuran	50.000	47.777	4.4	96	0.00
15 T	1,6,7-Trimethylnaphthalene	50.000	46.897	6.2	96	0.00
16 T	Fluorene	50.000	46.197	7.6	94	-0.01
17 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	98	0.00
18 T	Dibenzothiopene	50.000	47.732	4.5	94	0.00
19 T	Phenanthrene	50.000	47.576	4.8	94	0.00
20 T	Anthracene	50.000	45.434	9.1	90	0.00
21 T	Carbazole	50.000	40.660	18.7	80	-0.01
22 T	1-Methylphenanthrene	50.000	48.611	2.8	96	-0.01
23 T	Fluoranthene	50.000	50.886	-1.8	100	-0.01
24 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	102	-0.02
25 T	Pyrene	50.000	48.838	2.3	100	-0.01
26 S	Terphenyl-d14 (Surr)	50.000	45.923	8.2	95	-0.01
27 T	Benz(a)anthracene	50.000	44.047	11.9	96	-0.02
28 T	Chrysene	50.000	45.858	8.3	95	-0.02
29 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	111	-0.02
30 T	Benzo(b)fluoranthene	50.000	47.456	5.1	105	-0.02
31 T	Benzo(k)fluoranthene	50.000	46.118	7.8	104	-0.02
32 T	Benzo(b+k)fluoranthene	100.000	95.287	4.7	106	-0.08
33 S	Benzo(a)pyrene d-12 (Surr)	50.000	0.000	100.0#	0	-17.96#
34 T	Benzo(e)pyrene	50.000	47.111	5.8	106	-0.02
35 T	Benzo(a)pyrene	50.000	46.036	7.9	101	-0.02
36 T	Perylene	50.000	47.106	5.8	105	-0.02
37 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	124	-0.02
38 T	Indeno(1,2,3-cd)Pyrene	50.000	44.724	10.6	111	-0.02
39 T	Dibenz(a,h)anthracene	50.000	47.697	4.6	119	-0.02
40 T	Benzo(g,h,i)perylene	50.000	45.540	8.9	111	-0.02

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

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282002.D
 Acq On : 28 Feb 2020 09:28 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:18:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

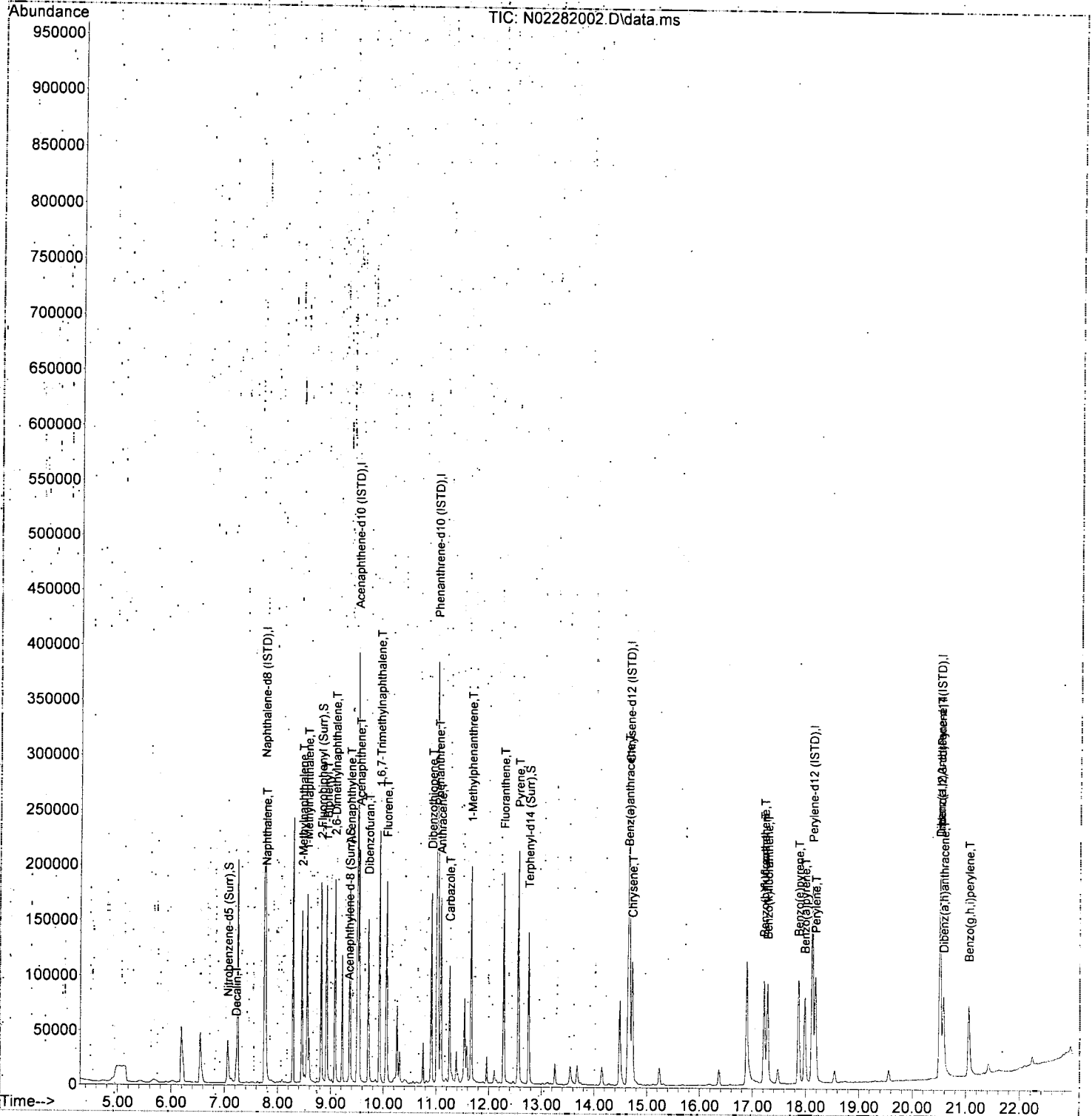
DTH 2/28/20

Compound	R.T.	QI on	Response	Conc	Units	Dev (Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	186082	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	118708	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	214368	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	174082	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	158221	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	115242	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	30785	49.79	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.816	172	89002	50.26	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	5110	0.69	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	84079	45.92	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	7.219	138	2988	21.57	ng/ml		86
4) Naphthalene	7.773	128	99689	48.57	ng/ml		100
5) 2-Methylnaphthalene	8.454	142	72236	41.54	ng/ml		97
6) 1-Methylnaphthalene	8.554	142	72724	41.82	ng/ml		97
7) 1,1'-Biphenyl	8.921	154	91662	39.19	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.078	156	67276	39.38	ng/ml		99
12) Acenaphthylene	9.358	152	119710	46.45	ng/ml		98
13) Acenaphthene	9.539	153	80708	47.81	ng/ml		99
14) Dibenzofuran	9.713	168	101013	47.78	ng/ml		95
15) 1,6,7-Trimethylnaphtha...	9.923	170	66389	46.90	ng/ml		99
16) Fluorene	10.057	166	79796	46.20	ng/ml		99
18) Dibenzothiopene	10.908	184	107016	47.73	ng/ml		96
19) Phenanthrene	11.037	178	119343	47.58	ng/ml		100
20) Anthracene	11.089	178	106010	45.43	ng/ml		99
21) Carbazole	11.252	167	76767	40.66	ng/ml		99
22) 1-Methylphenanthrene	11.660	192	84707	48.61	ng/ml		97
23) Fluoranthene	12.278	202	128607	50.89	ng/ml		96
25) Pyrene	12.558	202	132826	48.84	ng/ml		99
27) Benz(a)anthracene	14.645	228	89025	44.05	ng/ml		99
28) Chrysene	14.720	228	87710	45.86	ng/ml		99
30) Benzo(b)fluoranthene	17.215	252	86640	47.46	ng/ml		93
31) Benzo(k)fluoranthene	17.279	252	82899	46.12	ng/ml		93
32) Benzo(b+k)fluoranthene	17.215	252	177942	95.29	ng/ml		92
34) Benzo(e)pyrene	17.862	252	86970	47.11	ng/ml		97
35) Benzo(a)pyrene	17.984	252	71938	46.04	ng/ml		96
36) Perylene	18.183	252	90664	47.11	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.514	276	63566	44.72	ng/ml		83
39) Dibenz(a,h)anthracene	20.578	278	63698	47.70	ng/ml		84
40) Benzo(g,h,i)perylene	21.050	276	68662	45.54	ng/ml		97

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

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282002.D
 Acq On : 28 Feb 2020 09:28 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:18:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B28020\
 Data File : N02282003.D
 Acq On : 28 Feb 2020 10:00 am
 Operator : JK/ AMS/ DTH
 Sample : 0B28020-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:16 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

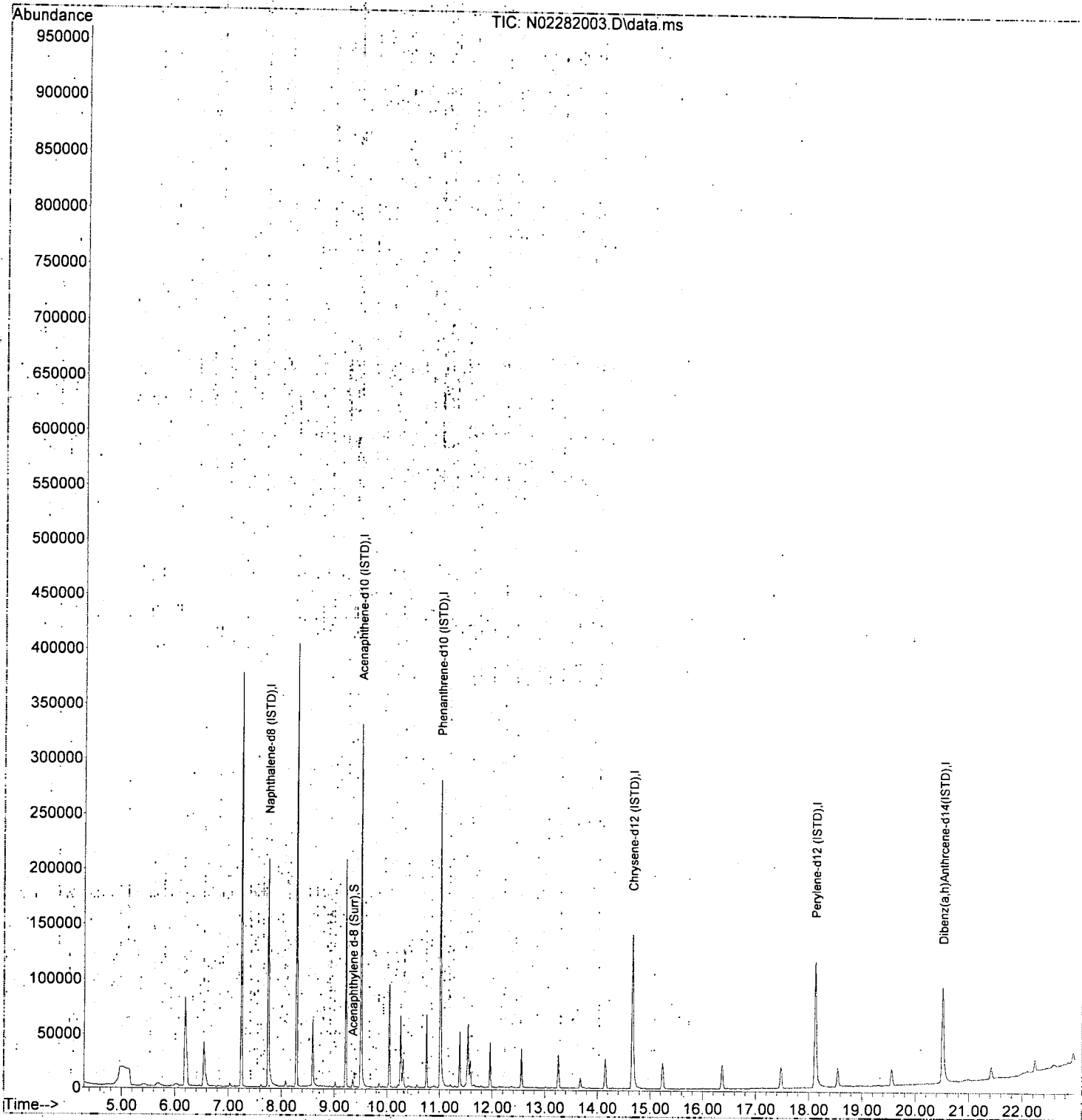
DTH 2/28/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	172856	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.504	162	107036	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	172449	100.00	ng/ml	0.00	
24) Chrysenes-d12 (ISTD)	14.668	240	122485	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	109917	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.514	292	84742	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml		
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.352	160	5176	0.96	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml		
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.778	128	216	N.D.			
5) 2-Methylnaphthalene	0.000		0	N.D.			
6) 1-Methylnaphthalene	0.000		0	N.D.			
7) 1,1'-Biphenyl	8.926	154	60	N.D.			
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.			
12) Acenaphthylene	9.364	152	57	N.D.			
13) Acenaphthene	0.000		0	N.D.			
14) Dibenzofuran	0.000		0	N.D.			
15) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.			
16) Fluorene	0.000		0	N.D.			
18) Dibenzothiopene	0.000		0	N.D.			
19) Phenanthrene	11.036	178	214	N.D.			
20) Anthracene	11.095	178	70	N.D.			
21) Carbazole	11.538	167	358	N.D.			
22) 1-Methylphenanthrene	0.000		0	N.D.			
23) Fluoranthene	0.000		0	N.D.			
25) Pyrene	12.569	202	77	N.D.			
27) Benz(a)anthracene	14.662	228	367	N.D.			
28) Chrysenes	14.726	228	63	N.D.			
30) Benzo(b)fluoranthene	0.000		0	N.D.			
31) Benzo(k)fluoranthene	0.000		0	N.D.			
32) Benzo(b+k)fluoranthene	0.000		0	N.D.			
34) Benzo(e)pyrene	18.124	252	372	N.D.			
35) Benzo(a)pyrene	0.000		0	N.D.			
36) Perylene	18.124	252	396	N.D.			
38) Indeno(1,2,3-cd)Pyrene	0.000		0	N.D.			
39) Dibenz(a,h)anthracene	0.000		0	N.D.			
40) Benzo(g,h,i)perylene	0.000		0	N.D.			

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

Data Path : U:\data\2020-02\0B28020\
Data File : N02282003.D
Acq On : 28 Feb 2020 10:00 am
Operator : JK/ AMS/ DTH
Sample : 0B28020-CCB1
Misc : 1x, DCM + ISTD.
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVII14_BNA_ACQ.M

Quant Time: Feb 28 17:19:16 2020
Quant Method : U:\methods\SV14_090619_PAHR7.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Dec 20 12:46:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B28020\
 Data File : N02282004.D
 Acq On : 28 Feb 2020 10:32 am
 Operator : JK/ AMS/ DTH
 Sample : 0020865-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:19 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update: Fri Dec 20 12:46:03 2019
 Response via: Initial Calibration
 InstName : SV-GCMS14

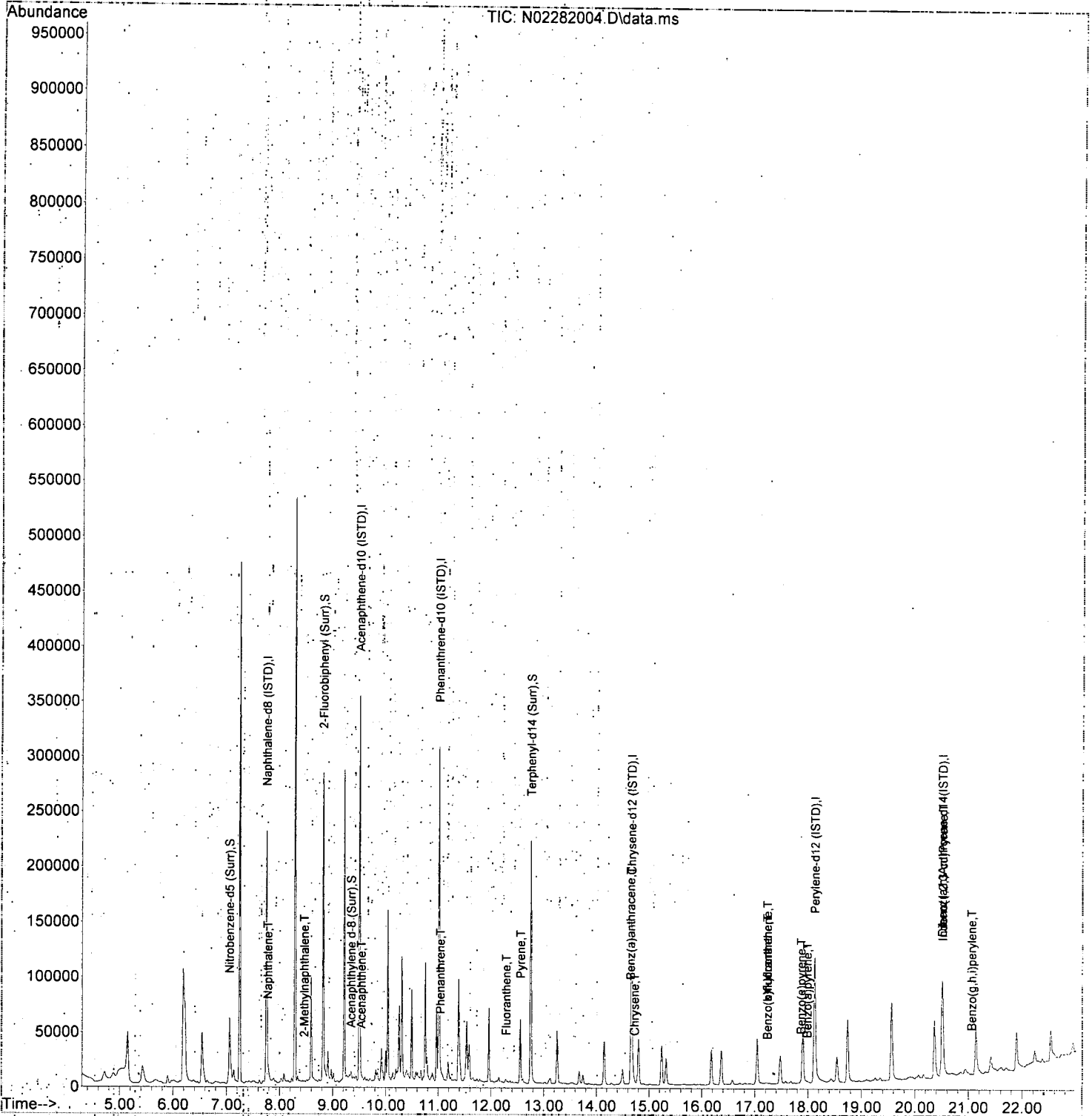
mk 2/28/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	169853	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	107442	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	182010	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	122126	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	105760	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d	20.508	292	78916	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.055	82	45861	81.25	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.816	172	140122	87.42	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	4781	0.77	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	135169	105.24	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0		N.D.		Qvalue
4) Naphthalene	7.772	128	2728	1.46	ng/ml		100
5) 2-Methylnaphthalene	8.460	142	644	0.41	ng/ml		95
6) 1-Methylnaphthalene	8.553	142	505		N.D.		
7) 1,1'-Biphenyl	8.921	154	656		N.D.		
8) 2,6-Dimethylnaphthalene	9.084	156	341		N.D.		
12) Acenaphthylene	9.364	152	655		N.D.		
13) Acenaphthene	9.538	153	644	0.42	ng/ml#		72
14) Dibenzofuran	9.713	168	270		N.D.		
15) 1,6,7-Trimethylnaphtha...	9.923	170	234		N.D.		
16) Fluorene	10.063	166	461		N.D.		
18) Dibenzothiopene	10.908	184	337		N.D.		
19) Phenanthrene	11.036	178	2172	1.02	ng/ml		97
20) Anthracene	11.089	178	433		N.D.		
21) Carbazole	11.264	167	307		N.D.		
22) 1-Methylphenanthrene	11.666	192	508		N.D.		
23) Fluoranthene	12.284	202	2418	1.13	ng/ml		99
25) Pyrene	12.558	202	2448	1.28	ng/ml		97
27) Benz(a)anthracene	14.644	228	1156	0.82	ng/ml		89
28) Chrysene	14.720	228	1129	0.84	ng/ml		98
30) Benzo(b)fluoranthene	17.232	252	955	0.78	ng/ml		92
31) Benzo(k)fluoranthene	17.232	252	1379	1.15	ng/ml		90
32) Benzo(b+k)fluoranthene	17.232	252	1379	1.10	ng/ml		90
34) Benzo(e)pyrene	17.868	252	745	0.60	ng/ml		90
35) Benzo(a)pyrene	17.984	252	699	0.67	ng/ml		99
36) Perylene	18.188	252	363		N.D.		
38) Indeno(1,2,3-cd)Pyrene	20.514	276	558	0.57	ng/ml		50
39) Dibenz(a,h)anthracene	20.572	278	152		N.D.		
40) Benzo(g,h,i)perylene	21.056	276	629	0.61	ng/ml		78

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

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282004.D
 Acq On : 28 Feb 2020 10:32 am
 Operator : JK/ AMS/ DTH
 Sample : 0020865-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:19 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B28020\
 Data File : N02282005.D
 Acq On : 28 Feb 2020 11:04 am
 Operator : JK/ AMS/ DTH
 Sample : 0020865-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:22 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

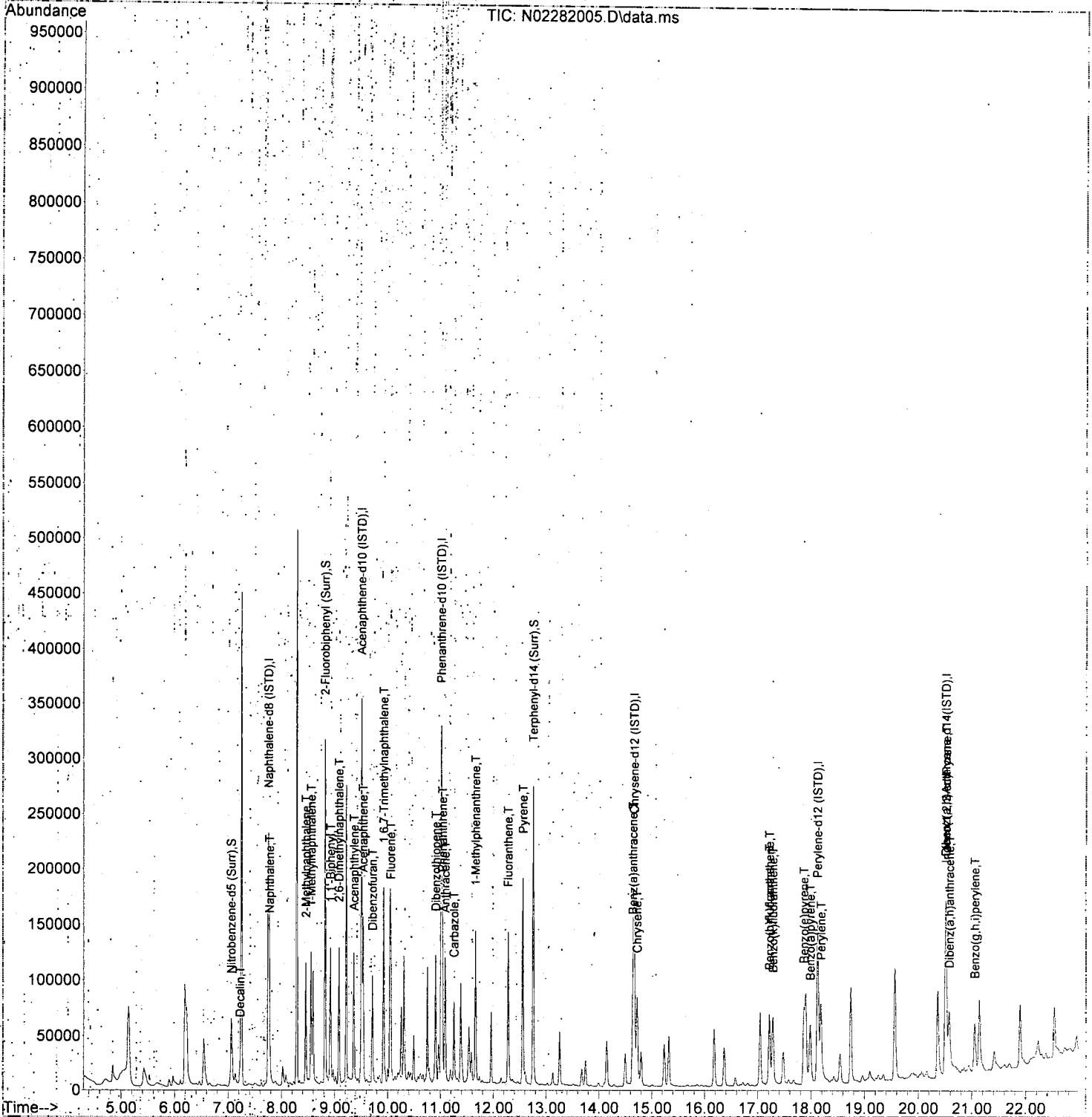
DTH 2/28/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	164407	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	103902	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.007	188	181816	100.00	ng/ml	-0.01	
24) Chrysene-d12 (ISTD)	14.662	240	145025	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.118	264	133043	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d	20.508	292	102522	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.055	82	47764	87.43	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.816	172	149596	96.51	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	3456	0.20	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.750	244	161135	105.64	ng/ml	-0.02	
33) Benzo(a)pyrene d-12 (Surr)	0.000	264	0	0.00	ng/ml		
Target Compounds							
							Qvalue
3) Decalin	7.219	138	2133	17.43	ng/ml		92
4) Naphthalene	7.772	128	69633	38.40	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	50078	32.59	ng/ml		98
6) 1-Methylnaphthalene	8.553	142	50848	33.10	ng/ml		98
7) 1,1'-Biphenyl	8.921	154	61031	29.53	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.078	156	45282	30.00	ng/ml		99
12) Acenaphthylene	9.363	152	79761	35.36	ng/ml		98
13) Acenaphthene	9.533	153	56023	37.92	ng/ml		100
14) Dibenzofuran	9.713	168	66971	36.19	ng/ml		96
15) 1,6,7-Trimethylnaphtha	9.923	170	46435	37.48	ng/ml		97
16) Fluorene	10.057	166	54176	35.83	ng/ml		99
18) Dibenzothiopene	10.908	184	71211	37.45	ng/ml		96
19) Phenanthrene	11.036	178	83198	39.10	ng/ml		100
20) Anthracene	11.089	178	71149	35.95	ng/ml		99
21) Carbazole	11.252	167	52735	32.93	ng/ml		99
22) 1-Methylphenanthrene	11.660	192	60110	40.67	ng/ml		98
23) Fluoranthene	12.278	202	90518	42.23	ng/ml		96
25) Pyrene	12.558	202	93738	41.37	ng/ml		99
27) Benz(a)anthracene	14.638	228	60667	36.03	ng/ml		98
28) Chrysene	14.720	228	63244	39.69	ng/ml		100
30) Benzo(b)fluoranthene	17.215	252	58851	38.34	ng/ml		94
31) Benzo(k)fluoranthene	17.279	252	58290	38.56	ng/ml		93
32) Benzo(b+k)fluoranthene	17.215	252	124999	79.60	ng/ml		92
34) Benzo(e)pyrene	17.862	252	61189	39.42	ng/ml		98
35) Benzo(a)pyrene	17.984	252	49045	37.33	ng/ml		96
36) Perylene	18.182	252	62346	38.52	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.514	276	46782	37.00	ng/ml		80
39) Dibenz(a,h)anthracene	20.578	278	46611	39.23	ng/ml		84
40) Benzo(g,h,i)perylene	21.050	276	50395	37.57	ng/ml		98

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

Data Path : U:\data\2020-02\0528020\
 Data File : N02282005.D
 Acq. On : 28 Feb 2020 11:04 am
 Operator : JK/ AMS/ DTH
 Sample : 0020865-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:22 2020
 Quant Method : U:\methods\SV14_090619_PHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path: U:\data\2020-02\0B28020\
 Data File: N02282006.D
 Acq On: 28 Feb 2020 11:36 am
 Operator: JK/ AMS/ DTH
 Sample: A0B0681-03RE1
 Misc: 1x, 8270D LL PAH ONLY
 ALS Vial: 6 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method: U:\methods\SV14_090619_PAHR7.M
 Quant Title: EPA 8270D: Semivolatile Organics
 QLast Update: Fri Dec 20 12:46:03 2019
 Response via: Initial Calibration
 InstName: SV-GCMS14

mt 2/28/20

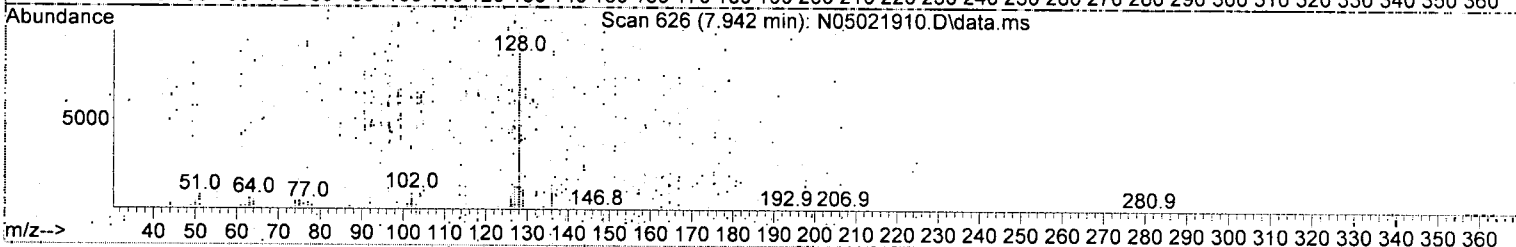
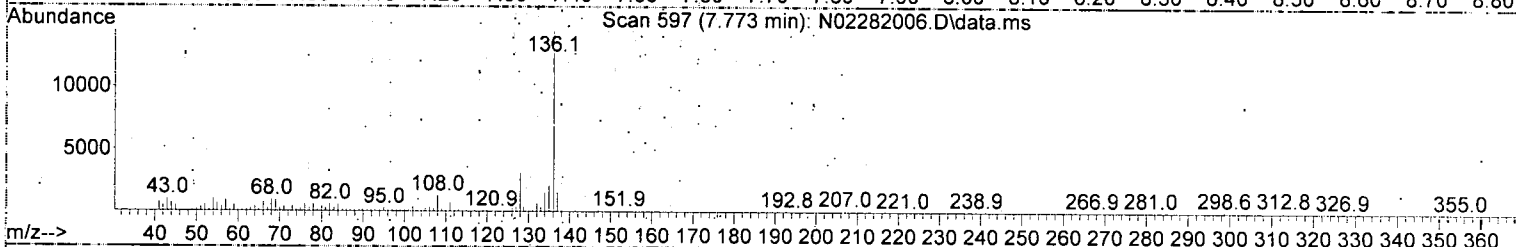
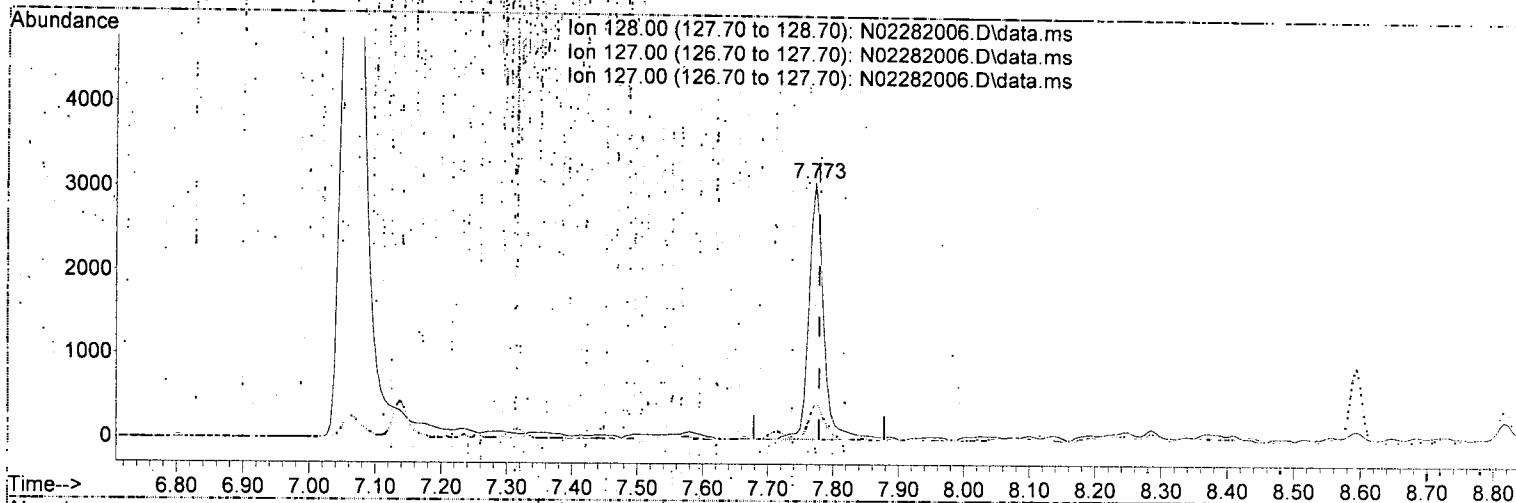
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards:							
1) Naphthalene-d8 (ISTD)	7.749	136	166072	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	105879	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	179765	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	123092	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	108198	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	75911	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	43615	79.03	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.816	172	137537	87.07	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	4734	0.78	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	130295	100.65	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	17.932	264	55	0.06	ng/ml	-0.03	
Target Compounds							
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.773	128	4815	(2.63)	ng/ml		97
5) 2-Methylnaphthalene	8.460	142	1253	0.81	ng/ml		91
6) 1-Methylnaphthalene	8.554	142	3206	2.07	ng/ml		98
7) 1,1'-Biphenyl	8.921	154	957	0.46	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.090	156	2061	1.35	ng/ml		98
12) Acenaphthylene	9.364	152	4425	1.93	ng/ml		92
13) Acenaphthene	9.539	153	36490	24.24	ng/ml		99
14) Dibenzofuran	9.713	168	1656	0.88	ng/ml		89
15) 1,6,7-Trimethylnaphtha...	9.923	170	998	0.79	ng/ml#		9
16) Fluorene	10.057	166	20734	13.46	ng/ml		99
18) Dibenzothiopene	10.908	184	25369	13.49	ng/ml		97
19) Phenanthrene	11.037	178	95693	45.49	ng/ml		100
20) Anthracene	11.089	178	4485	2.29	ng/ml		98
21) Carbazole	11.258	167	807	0.51	ng/ml		90
22) 1-Methylphenanthrene	11.660	192	5433	3.72	ng/ml		89
23) Fluoranthene	12.278	202	68849	32.49	ng/ml		97
25) Pyrene	12.558	202	153100	79.61	ng/ml		100
27) Benz(a)anthracene	14.645	228	4141	2.90	ng/ml		91
28) Chrysene	14.720	228	5342	3.95	ng/ml		99
30) Benzo(b)fluoranthene	17.227	252	2270	1.82	ng/ml		97
31) Benzo(k)fluoranthene	17.227	252	3154	2.57	ng/ml		94 <i>MTND</i>
32) Benzo(b+k)fluoranthene	17.227	252	3413	2.67	ng/ml		94
34) Benzo(e)pyrene	17.868	252	1864	1.48	ng/ml		92
35) Benzo(a)pyrene	17.984	252	1985	1.86	ng/ml		92
36) Perylene	18.182	252	2680	2.04	ng/ml		96
38) Indeno(1,2,3-cd)Pyrene	20.514	276	1048	1.12	ng/ml#		45
39) Dibenz(a,h)anthracene	20.572	278	232	N.D.			
40) Benzo(g,h,i)perylene	21.062	276	1133	1.14	ng/ml		59

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am.
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282006.D\data.ms

(4) Naphthalene (T)

7.773min (-0.006) 2.63 ng/ml *J*

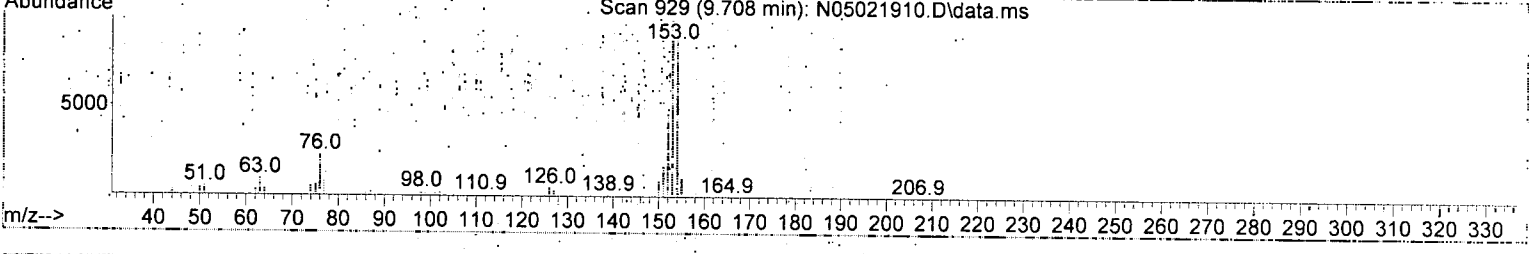
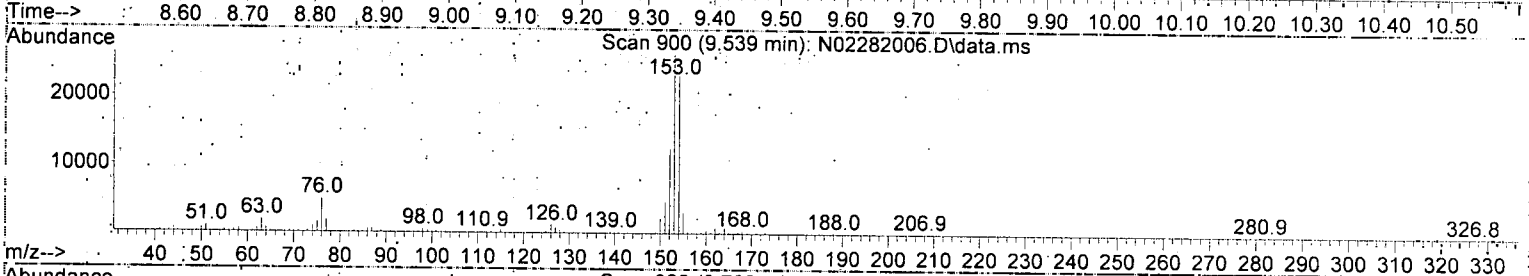
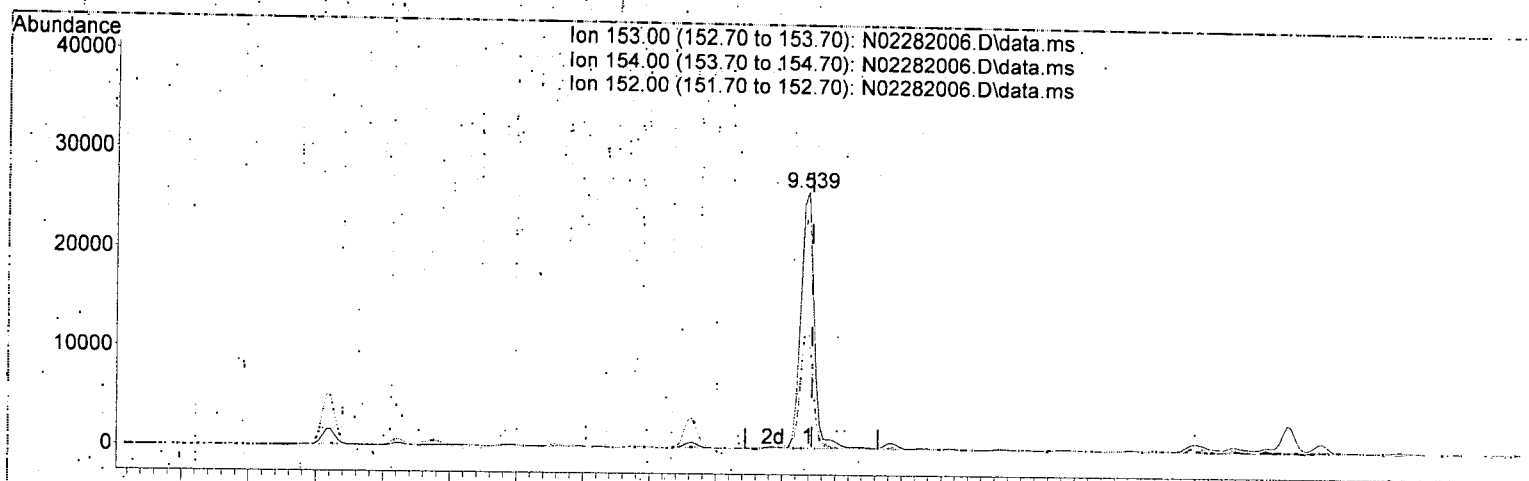
response 4815

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.97
127.00	12.60	13.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



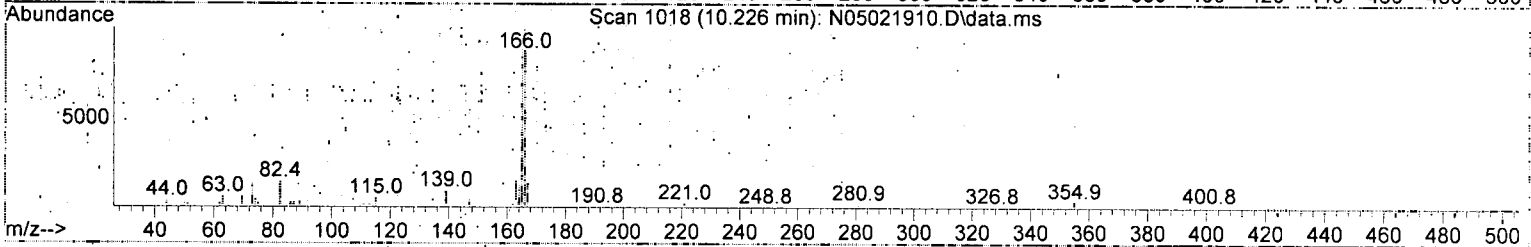
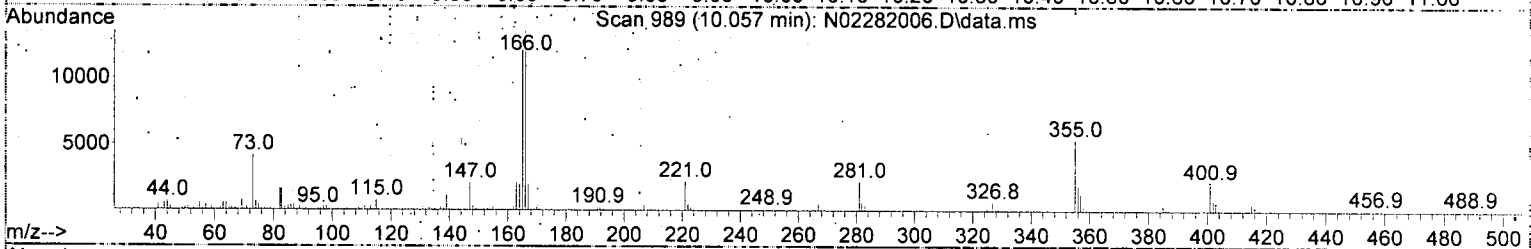
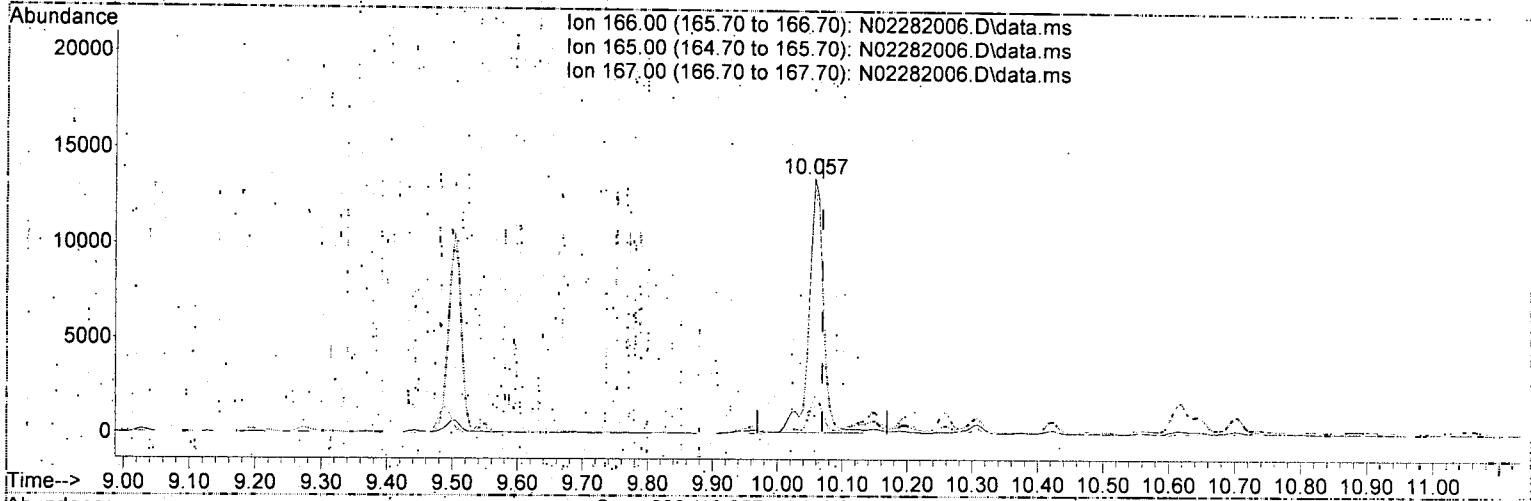
TIC: N02282006.D\data.ms

(13) Acenaphthene (T)		
9.539min (-0.006)	24.24 ng/ml	
response	36490	
Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.12
152.00	46.80	47.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282006.D\data.ms

(16) Fluorene (T)

10.057min (-0.012) 13.46 ng/ml

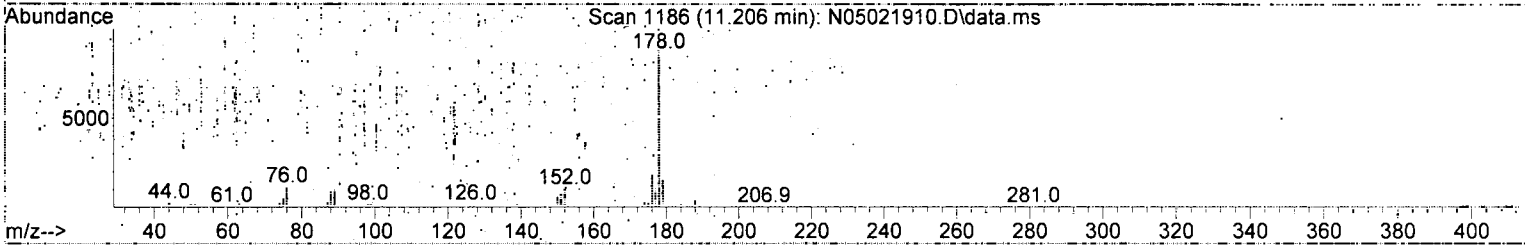
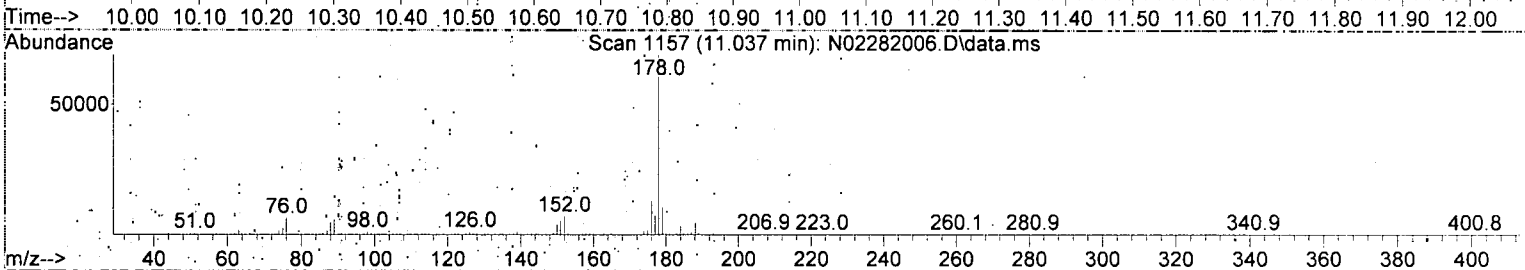
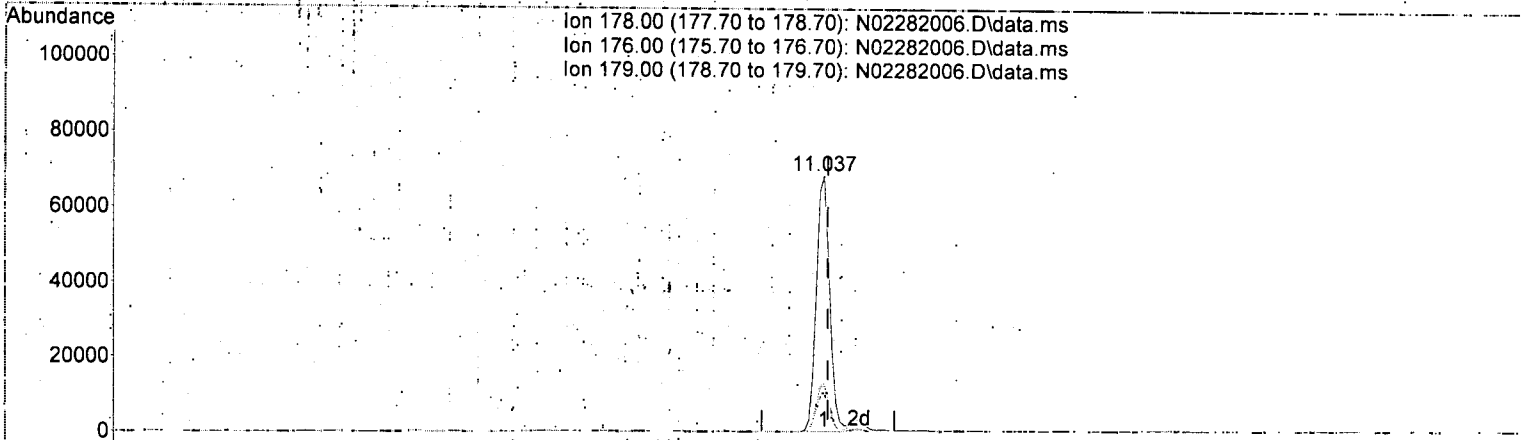
response 20734

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	96.51
167.00	13.60	14.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



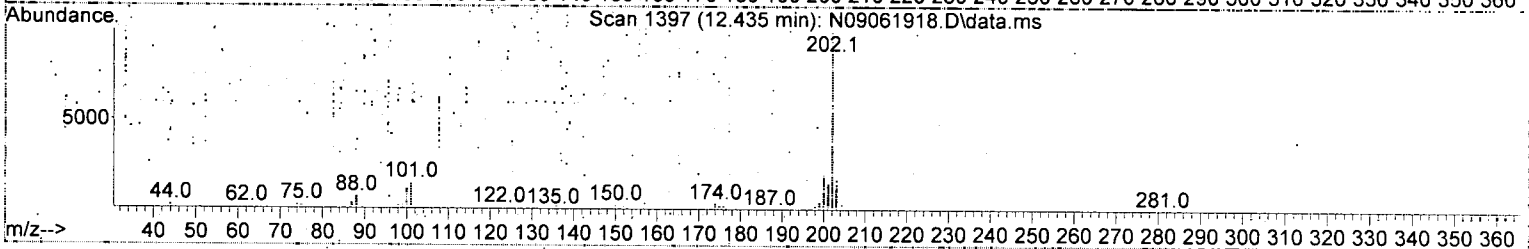
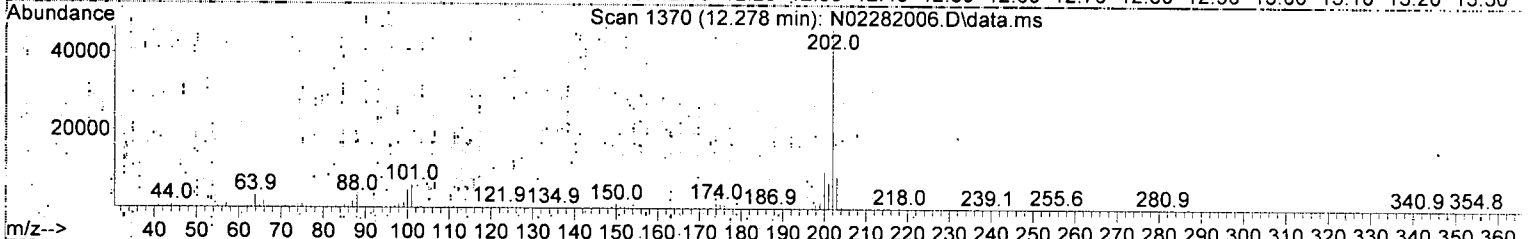
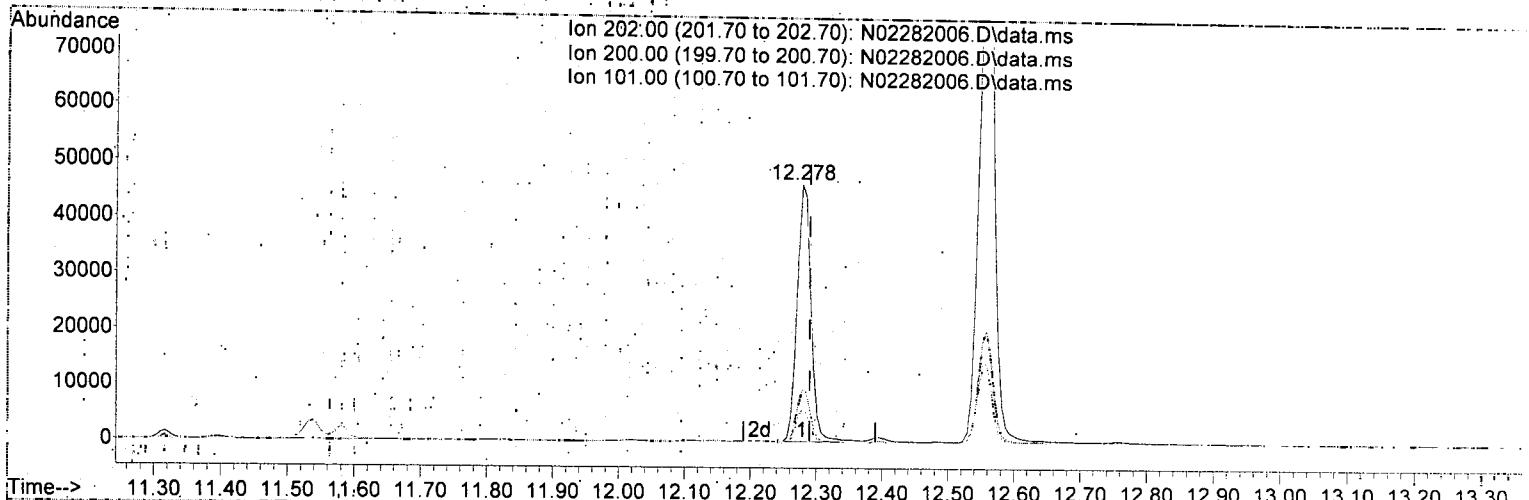
TIC: N02282006.D\data.ms

(19) Phenanthrene (T)		
11.037min (-0.006)	45.49 ng/ml	
response	95693	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.71
179.00	15.10	15.22

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282006.D\data.ms

(23) Fluoranthene (T)

12.278min (-0.012) 32.49 ng/ml

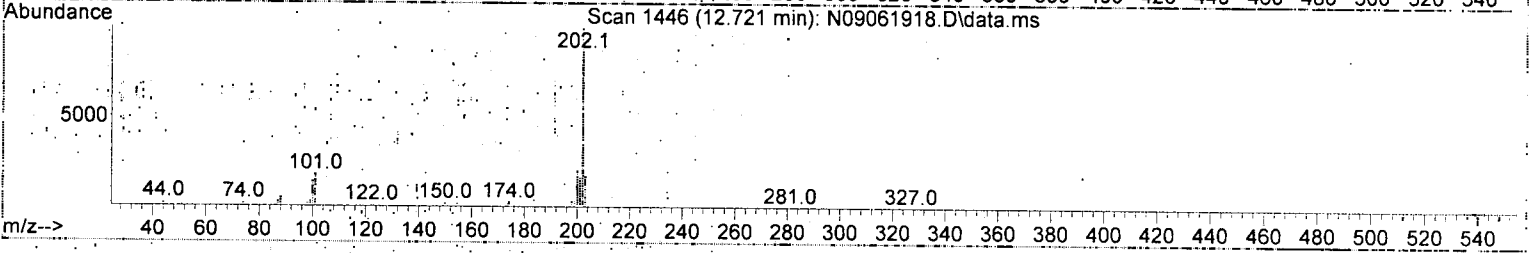
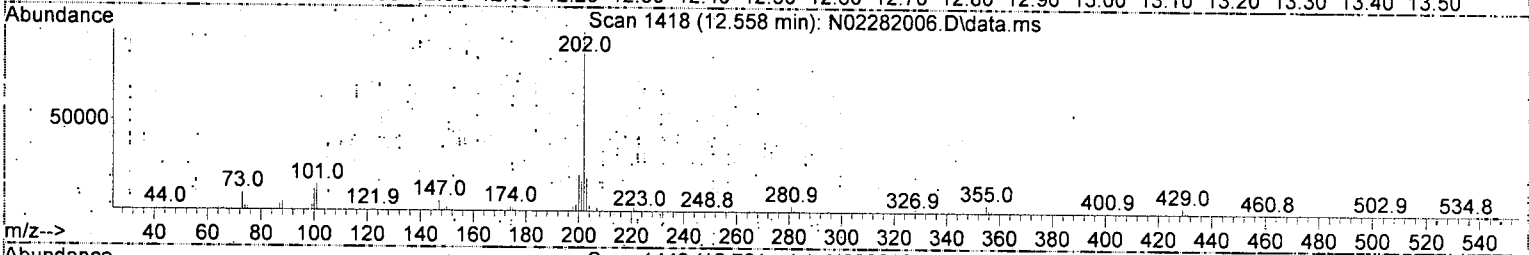
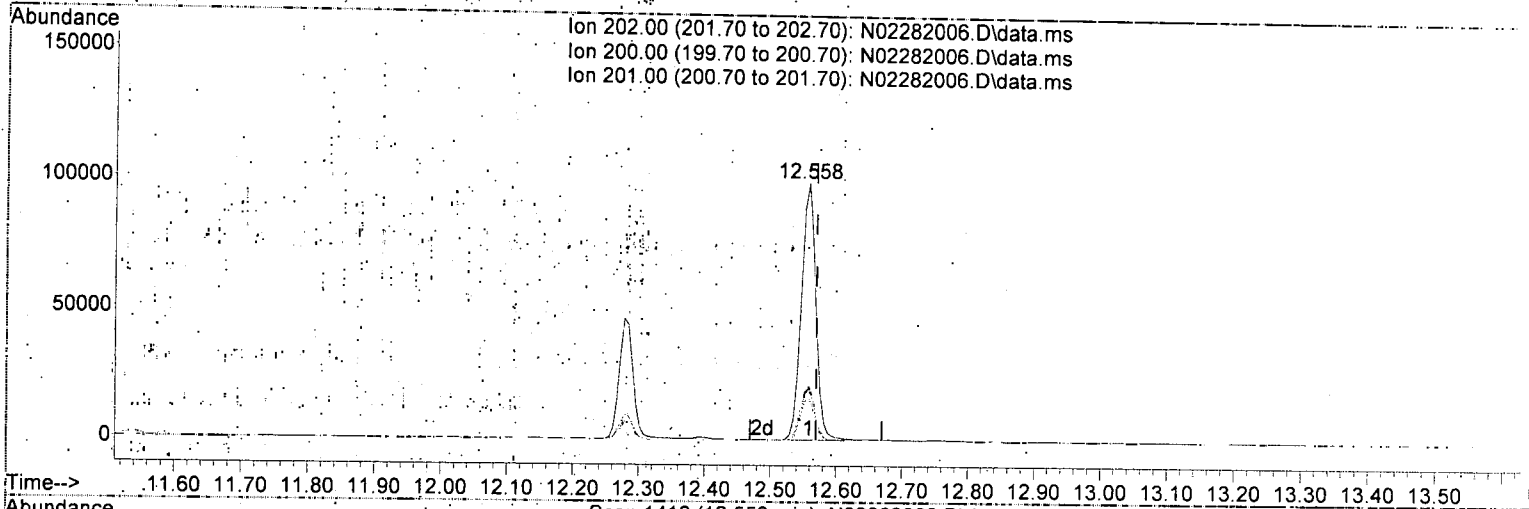
response 68849

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.35
101.00	15.30	12.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



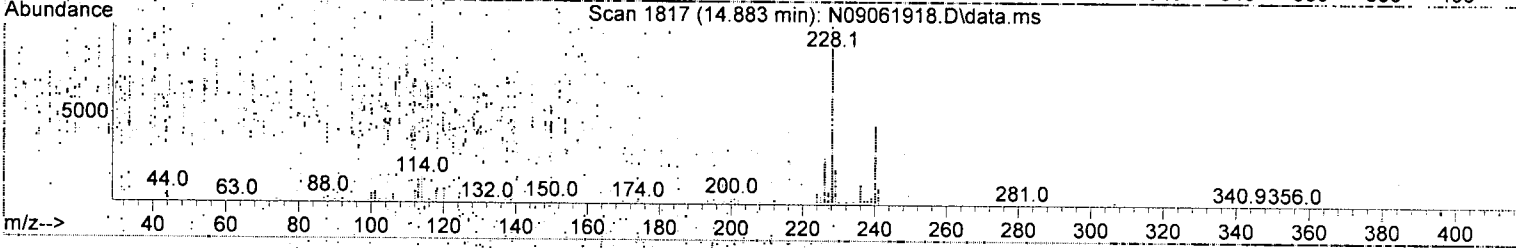
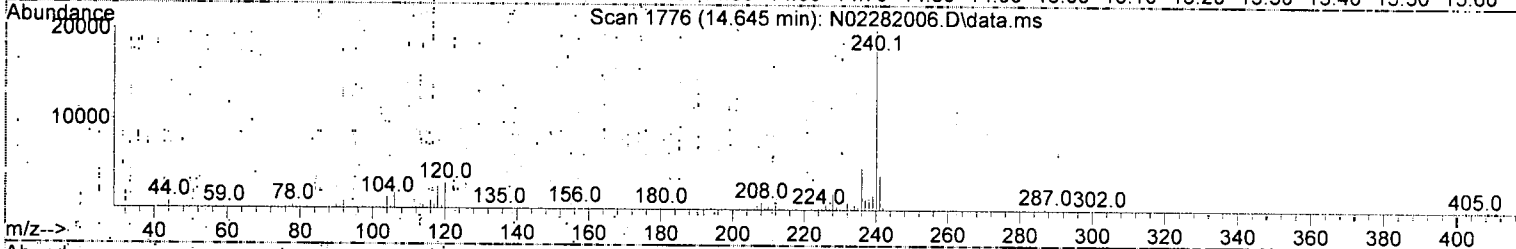
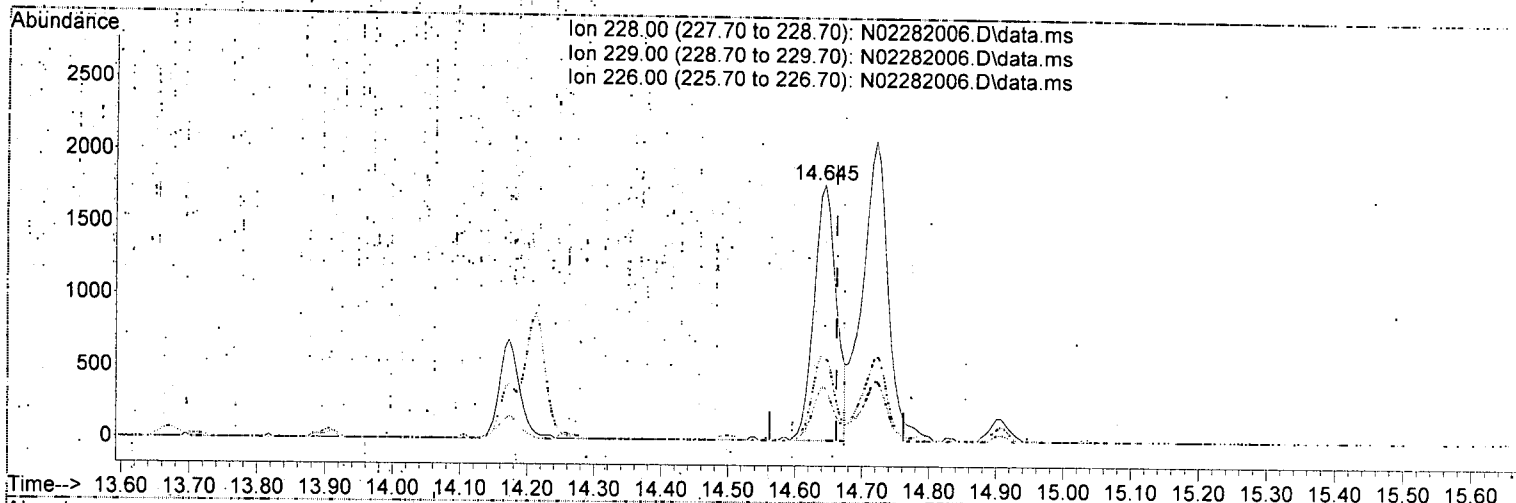
TIC: N02282006.D\data.ms

(25) Pyrene (T)		
12.558min. (-0.012)	79.61 ng/ml	
response	153100	
Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.53
201.00	16.80	16.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282006.D\data.ms

(27) Benz(a)anthracene (T)

14.645min (-0.017) 2.90 ng/ml

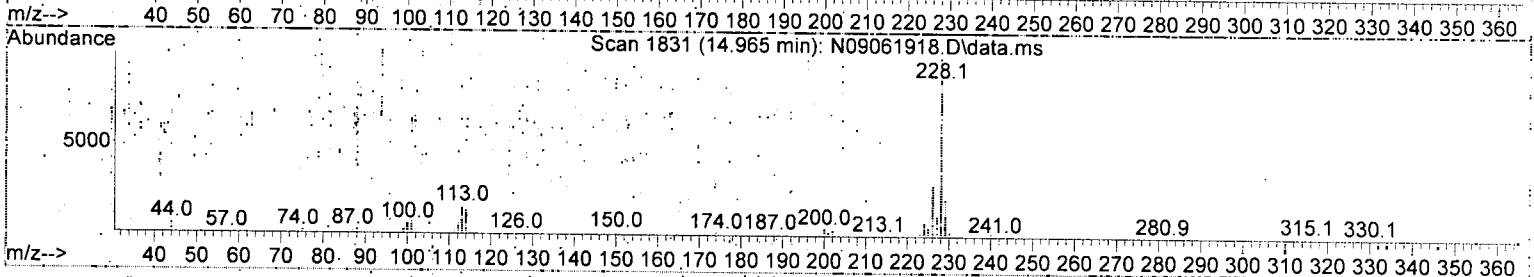
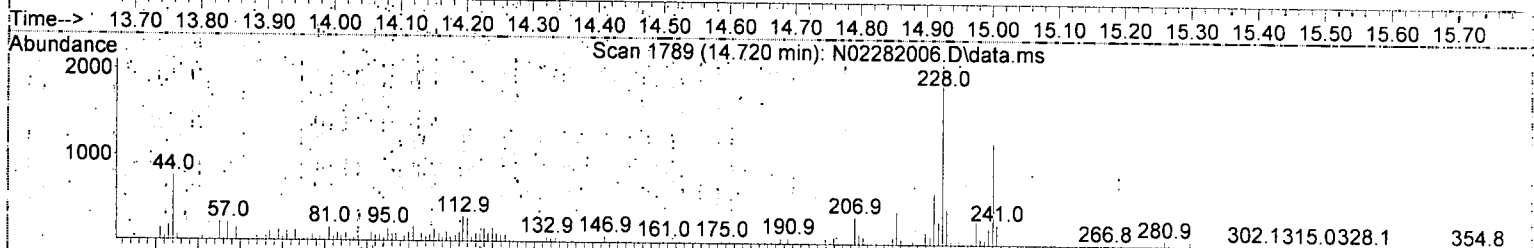
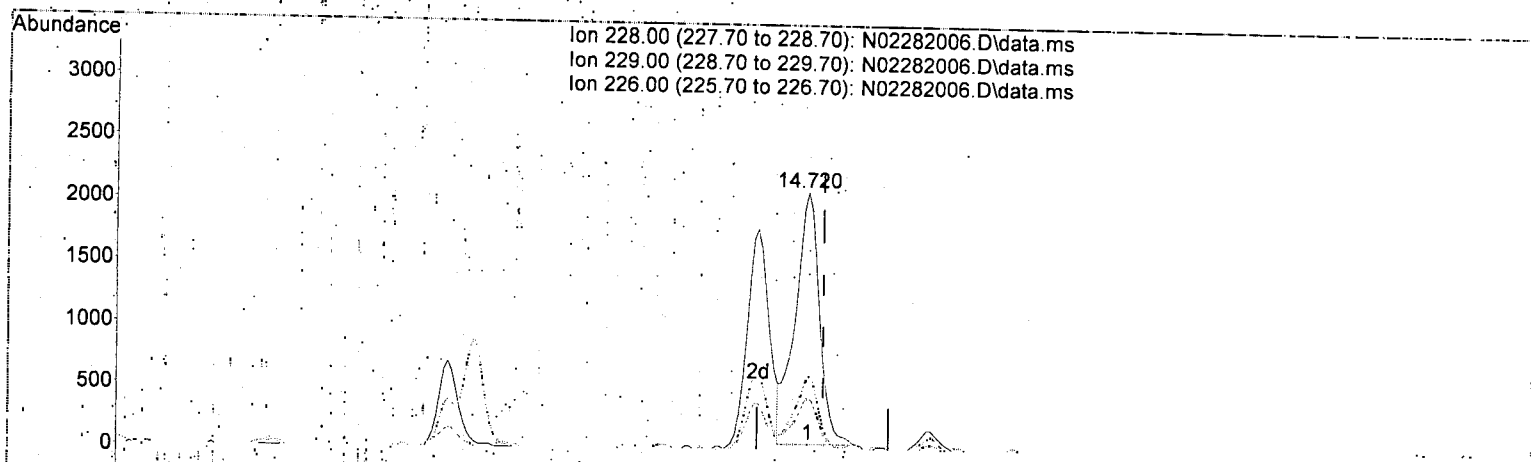
response 4141

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.65
226.00	26.20	33.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x; 8270D:LL:PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282006.D\data.ms

(28) Chrysene (T)

14.720min (-0.023) 3.95 ng/ml

response 5342

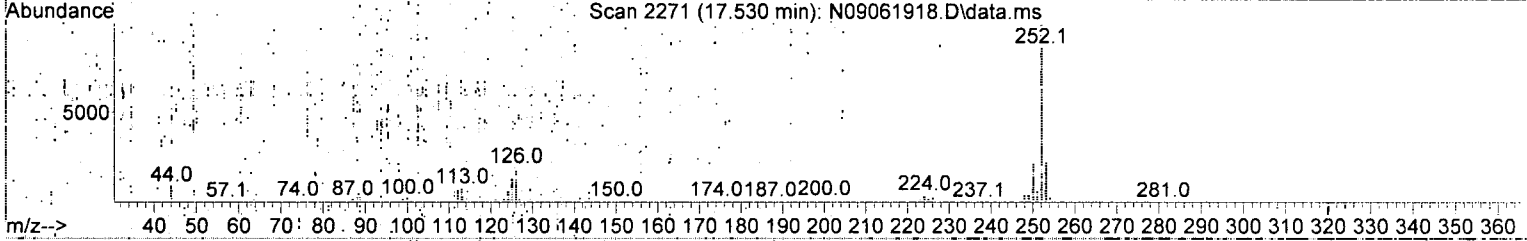
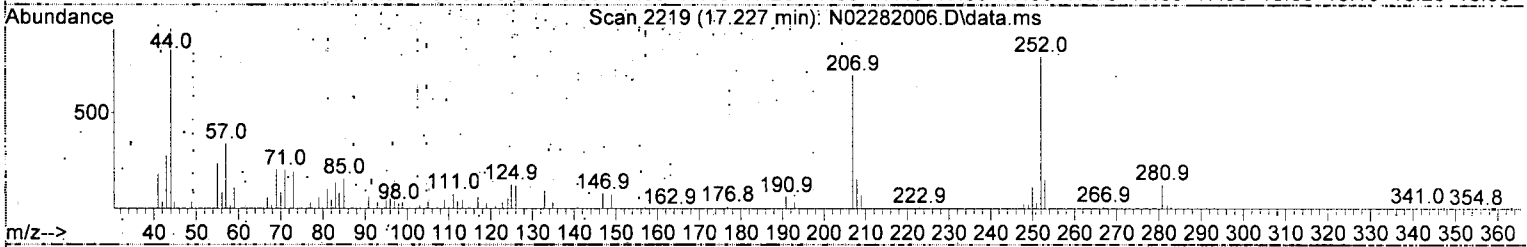
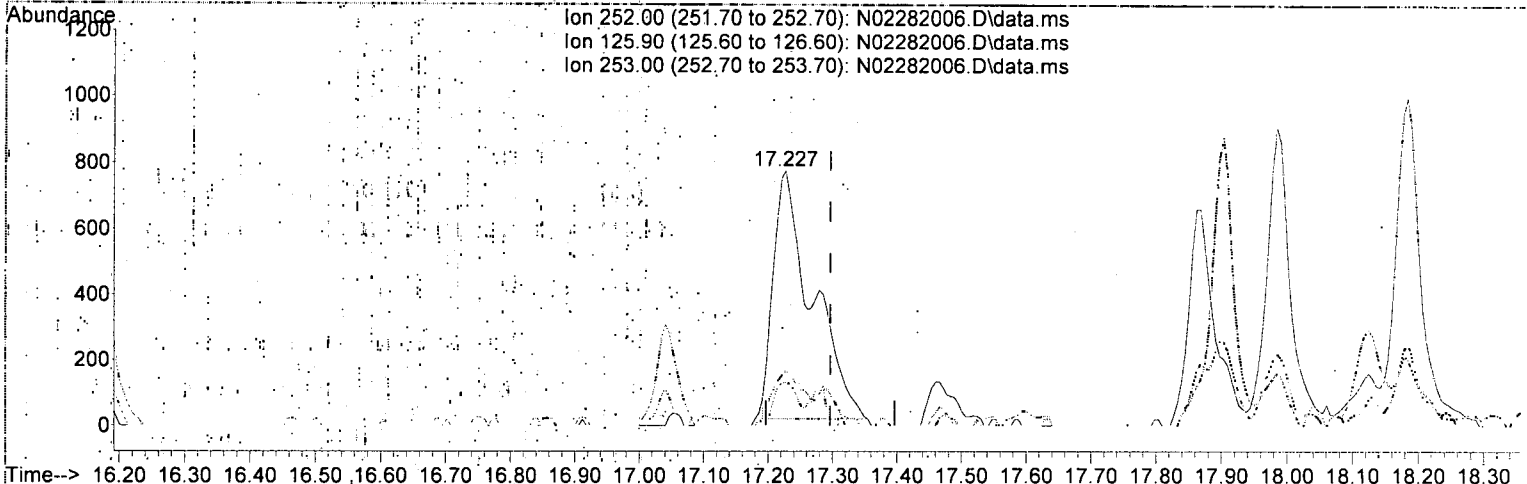
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.15
226.00	28.60	28.54
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth: LV114_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282006.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.227min (-0.070) 2.57 ug/ml

response	3154	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	17.12
253.00	21.50	21.24
0.00	0.00	0.00

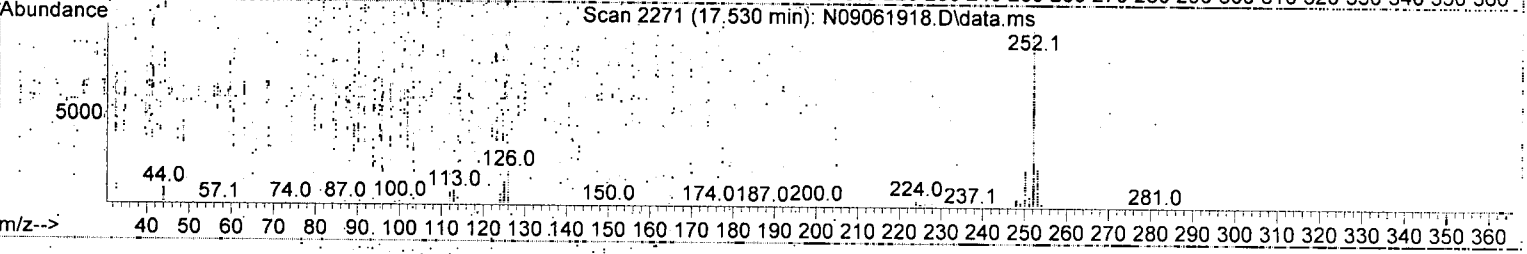
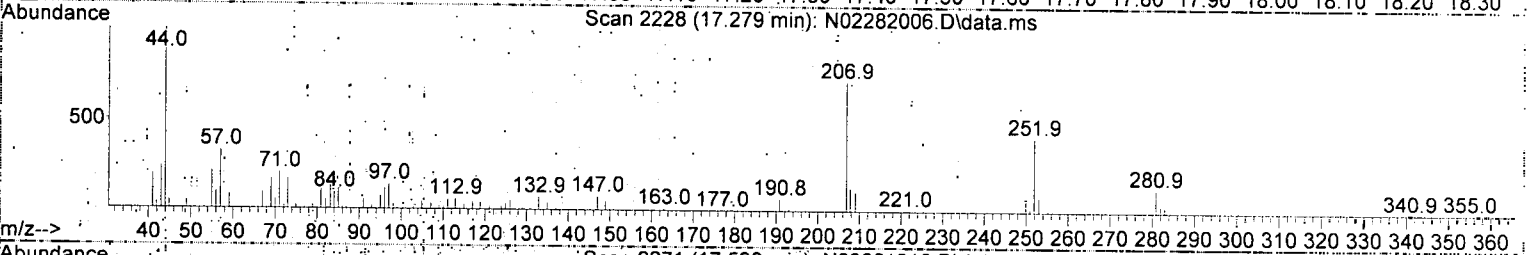
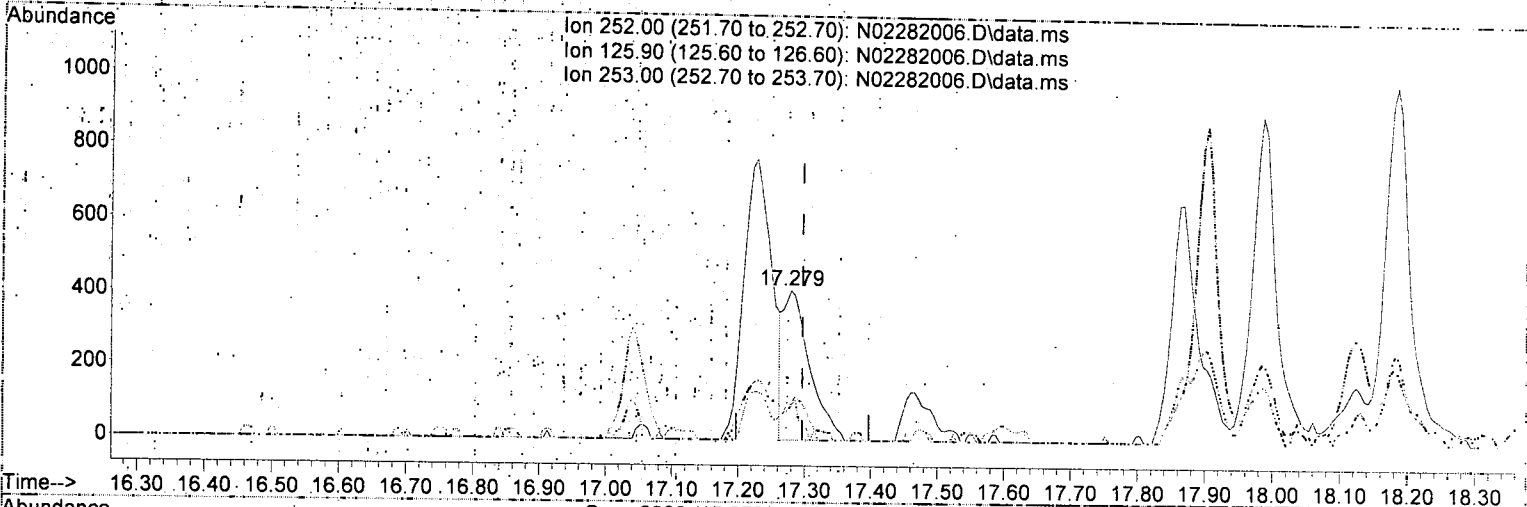
MI

✓

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D.LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282006.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.279min (-0.017) 0.93 ng/ml m

response 1143

Ion Exp% Act%

252.00 100.00 100.00

125.90 22.10 16.63

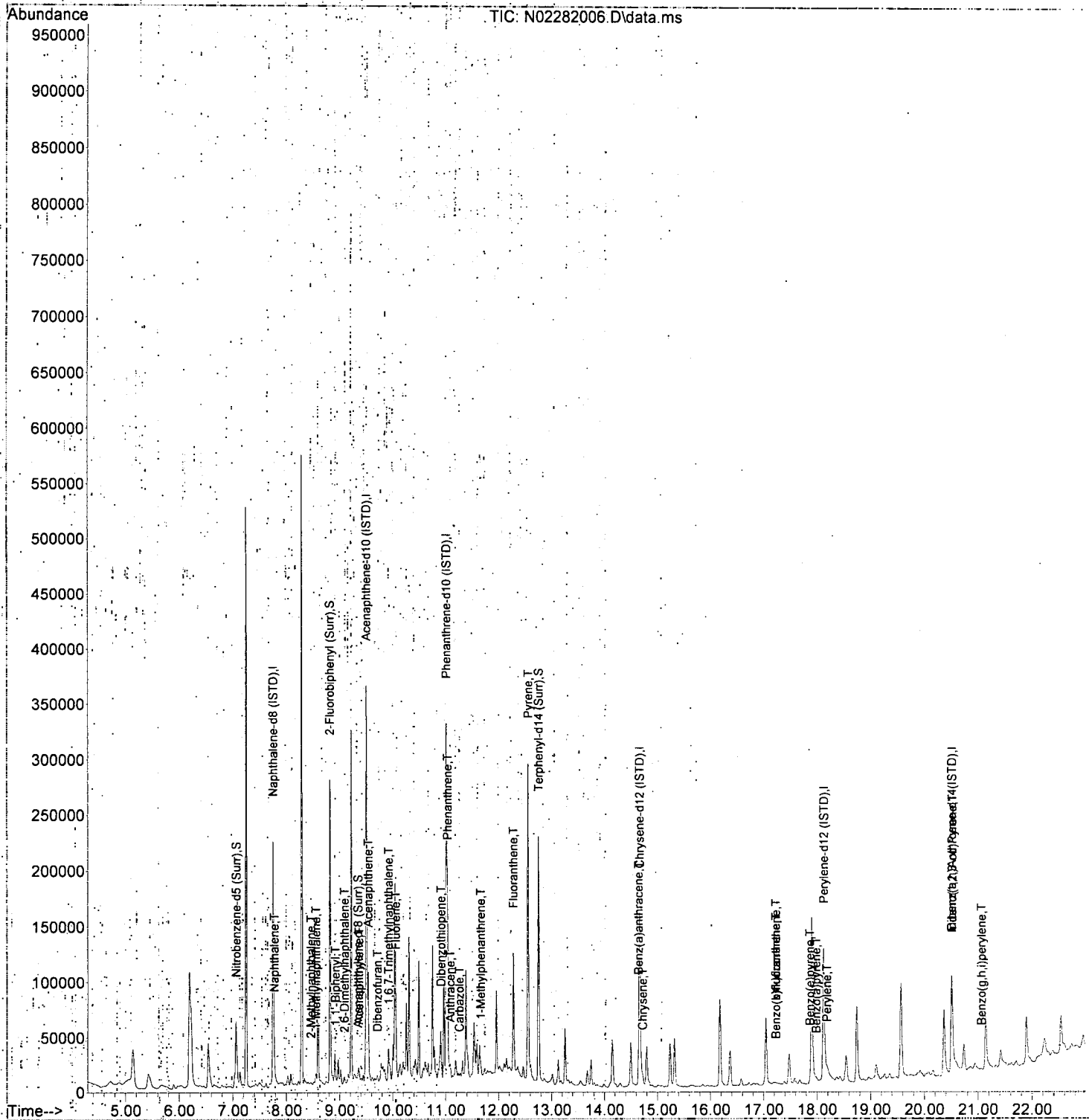
253.00 21.50 23.13

0.00 0.00 0.00

ND
 DTH 2/28/20

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282006.D
 Acq On : 28 Feb 2020 11:36 am
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-03RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:25 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0E28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

MT 2/28/20

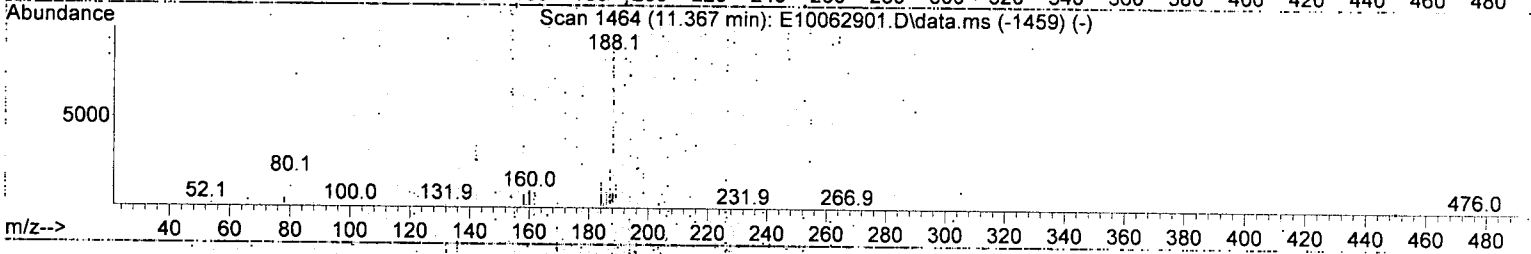
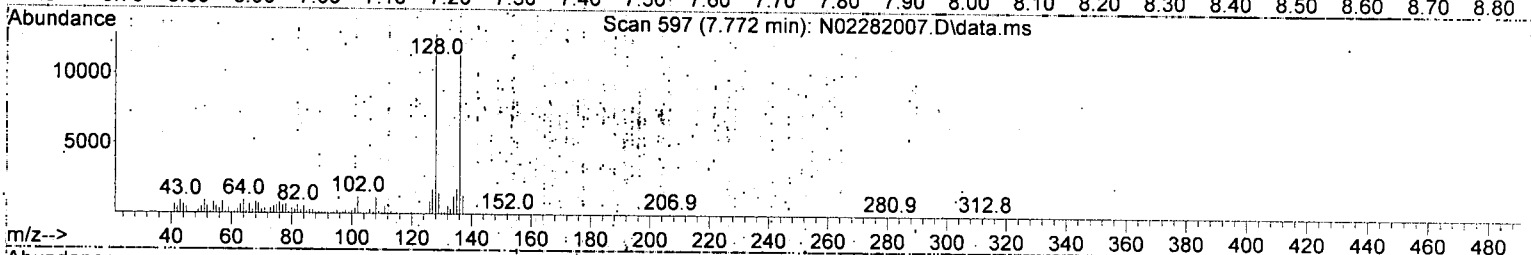
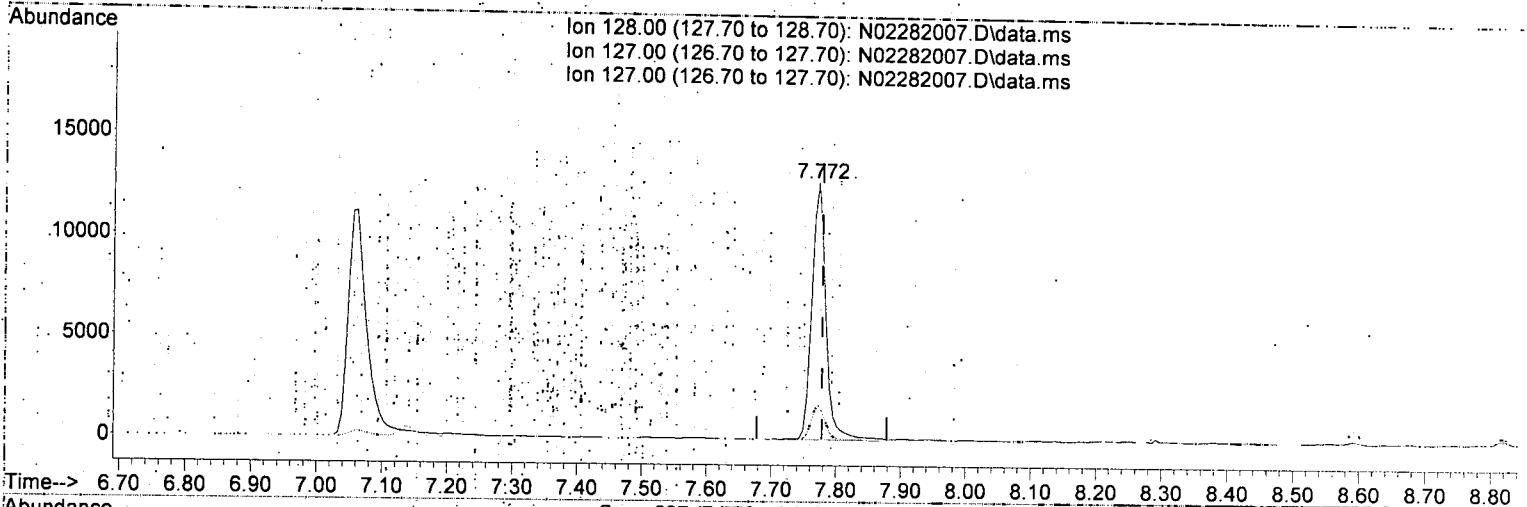
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	158883	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	105845	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	181482	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	126852	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	110549	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d	20.508	292	80279	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.055	82	45531	86.24	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.816	172	143695	91.00	ng/ml	-0.01	
11) Acenaphthylene-d-8 (Surr)	9.346	160	3188	0.05	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.750	244	140489	105.30	ng/ml	-0.02	
33) Benzo(a)pyrene d-12 (Surr)	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0				N D
4) Naphthalene	7.772	128	19294	11.01	ng/ml	97	
5) 2-Methylnaphthalene	8.460	142	2394	1.61	ng/ml	95	
6) 1-Methylnaphthalene	8.559	142	1990	1.34	ng/ml	97	
7) 1,1'-Biphenyl	8.921	154	1677	0.84	ng/ml	95	
8) 2,6-Dimethylnaphthalene	9.090	156	1652	1.13	ng/ml	94	
12) Acenaphthylene	9.364	152	3740	1.63	ng/ml	93	
13) Acenaphthene	9.538	153	12295	8.17	ng/ml	98	
14) Dibenzofuran	9.713	168	1178	0.62	ng/ml#	79	
15) 1,6,7-Trimethylnaphtha	9.923	170	947	0.75	ng/ml#	1	
16) Fluorene	10.063	166	9897	6.43	ng/ml	97	
18) Dibenzothiopene	10.908	184	13446	7.08	ng/ml	97	
19) Phenanthrene	11.036	178	57956	27.29	ng/ml	99	
20) Anthracene	11.089	178	12498	6.33	ng/ml	99	
21) Carbazole	11.258	167	979	0.61	ng/ml	79	
22) 1-Methylphenanthrene	11.660	192	2616	1.77	ng/ml	83	
23) Fluoranthene	12.278	202	38930	18.19	ng/ml	97	
25) Pyrene	12.558	202	56860	28.69	ng/ml	100	
27) Benz(a)anthracene	14.644	228	7596	5.16	ng/ml	76	
28) Chrysene	14.720	228	15088	10.83	ng/ml	99	
30) Benzo(b)fluoranthene	17.221	252	8004	6.27	ng/ml	93	
31) Benzo(k)fluoranthene	17.221	252	10465	8.33	ng/ml	91	MI Hit J
32) Benzo(b+k)fluoranthene	17.221	252	12115	9.29	ng/ml	91	
34) Benzo(e)pyrene	17.868	252	5808	4.50	ng/ml	96	
35) Benzo(a)pyrene	17.984	252	7189	6.58	ng/ml	99	
36) Perylene	18.182	252	3963	2.95	ng/ml	99	
38) Indeno(1,2,3-cd)Pyrene	20.520	276	4680	4.73	ng/ml	93	
39) Dibenz(a,h)anthracene	20.572	278	619	0.67	ng/ml	74	
40) Benzo(g,h,i)perylene	21.056	276	5657	5.39	ng/ml	90	

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

Quantitation Report (Qedit)

Data Path : N:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 18:23:48 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282007.D\data.ms

(4) Naphthalene (T)

7.772min (-0.006) 11.01 ng/ml

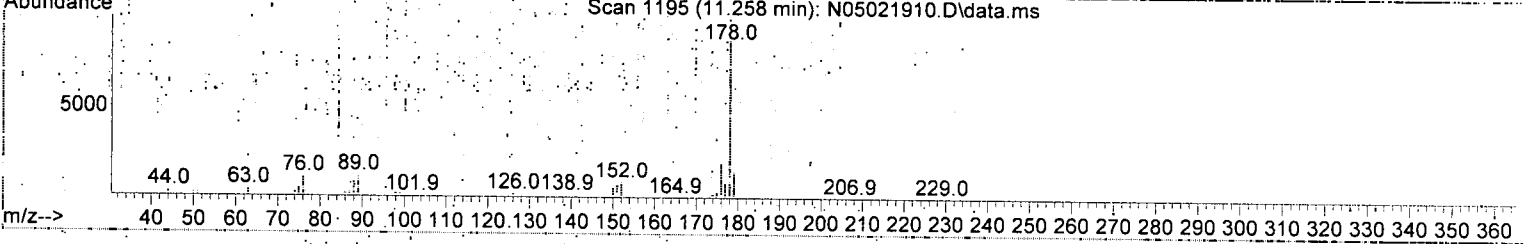
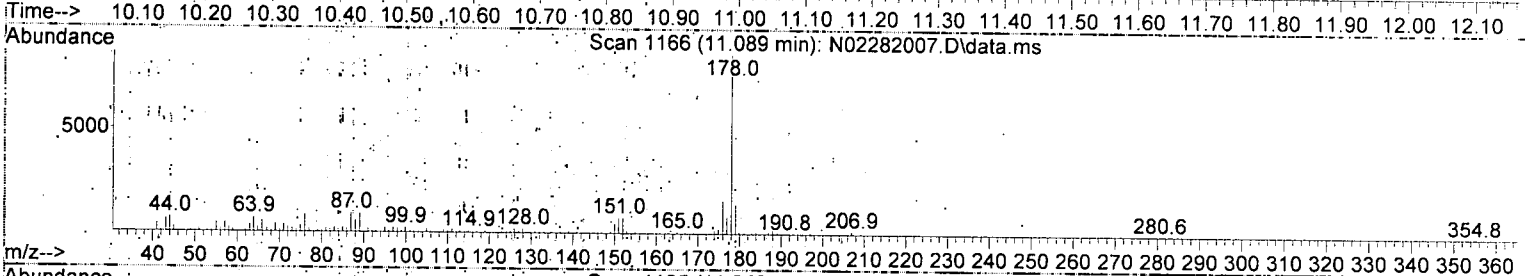
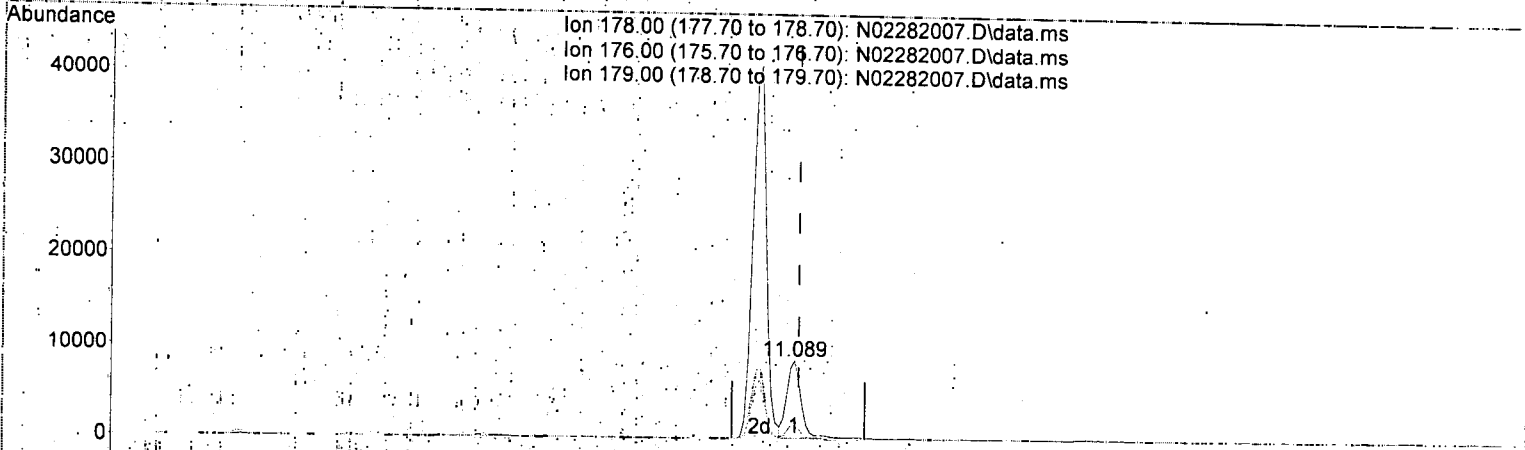
response 19294

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.62
127.00	12.60	13.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



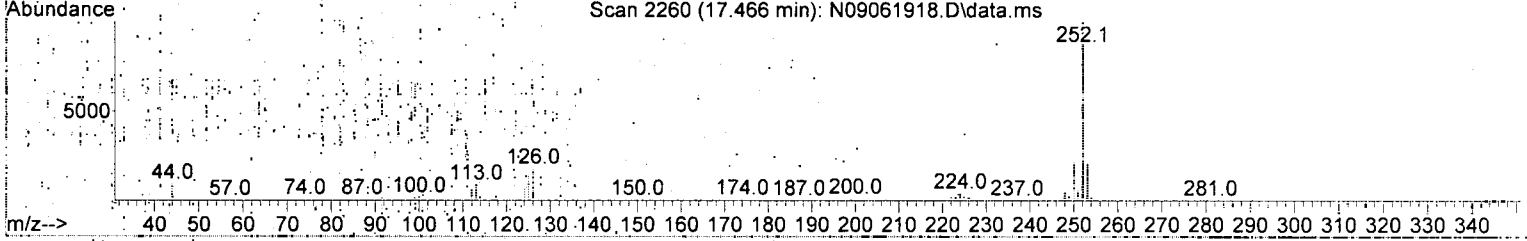
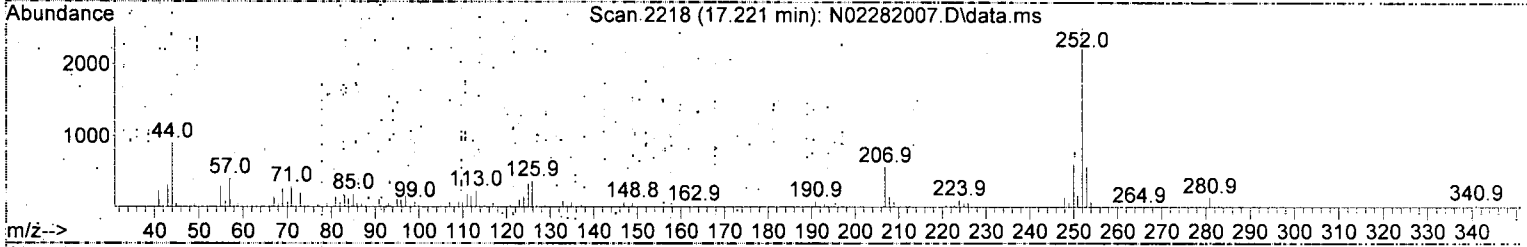
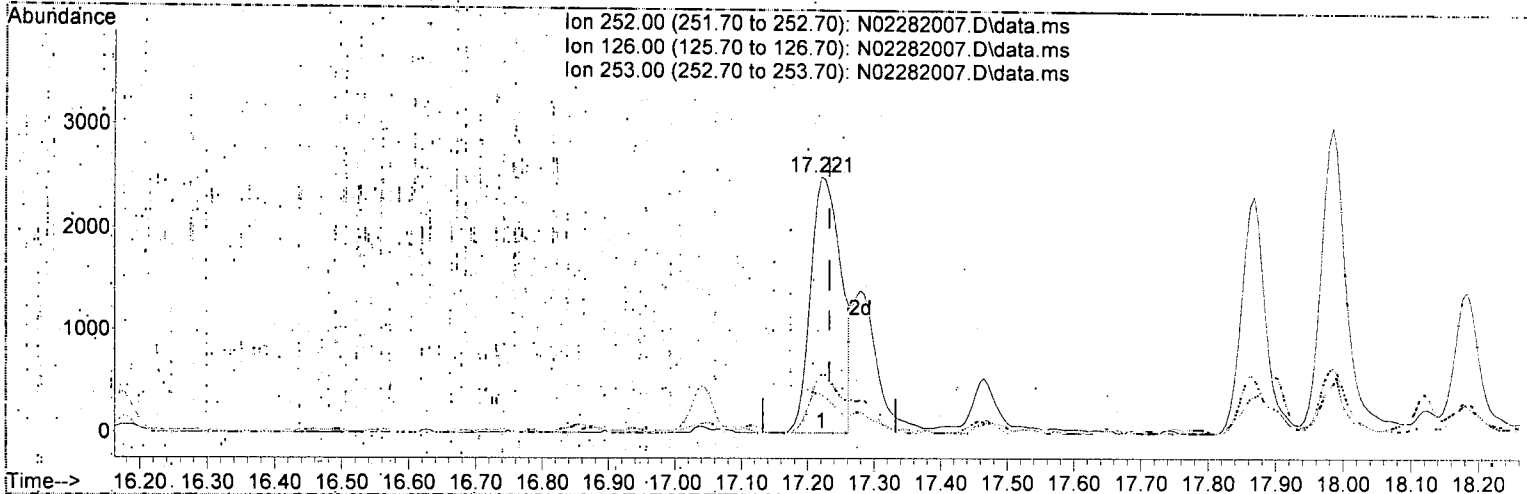
TIC: N02282007.D\data.ms

(20) Anthracene (T)		
11.089min (-0.006)	6.33 ng/ml	
response	12498	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.70
179.00	15.30	16.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282007.D\data.ms

(30) Benzo(b)fluoranthene (T)

17.221min (-0.012) 6.27 ng/ml

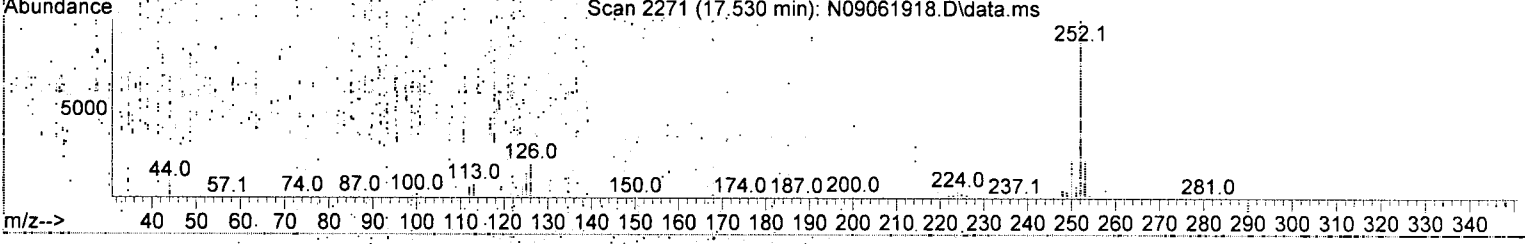
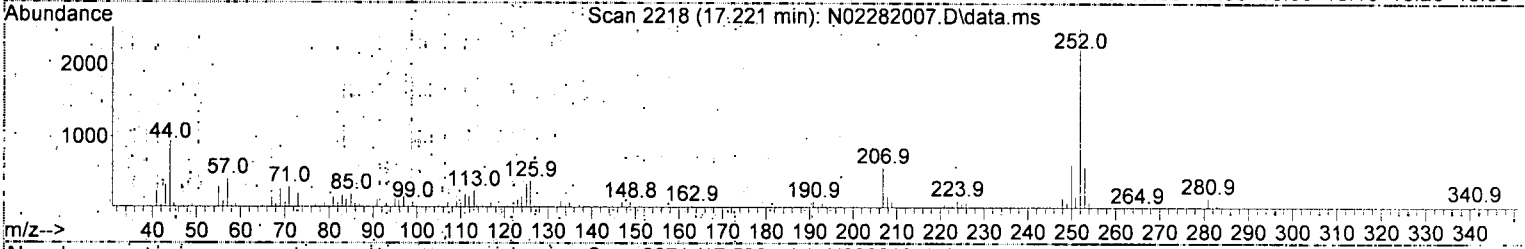
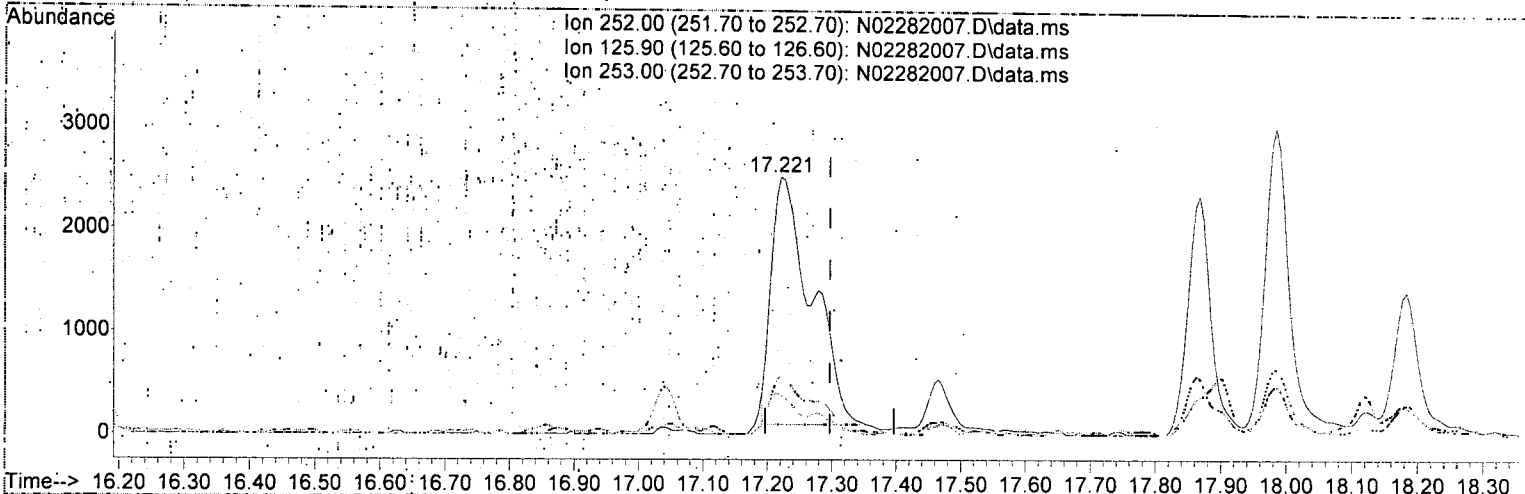
response 8004

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	15.04
253.00	21.10	22.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282007.D\data.ms

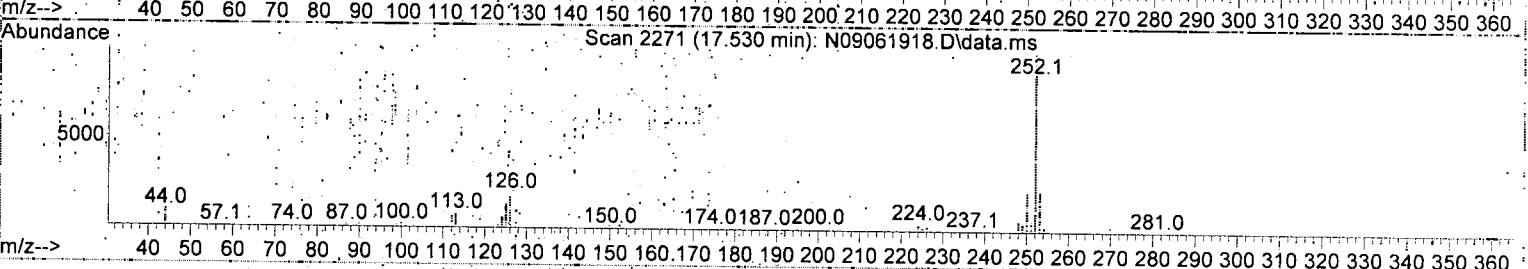
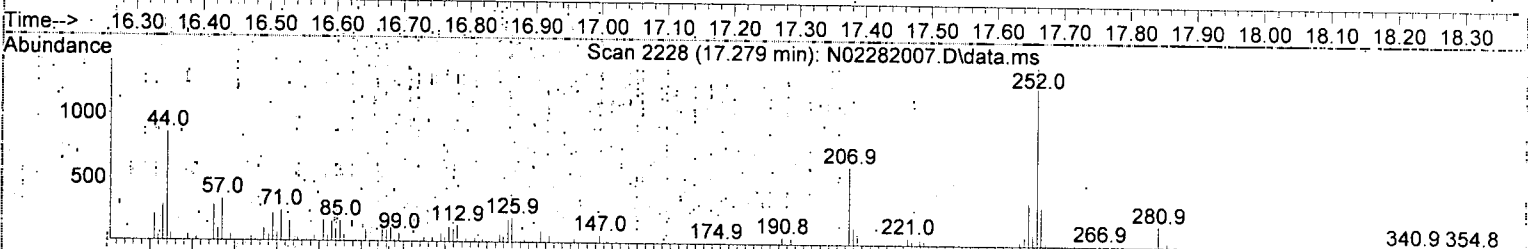
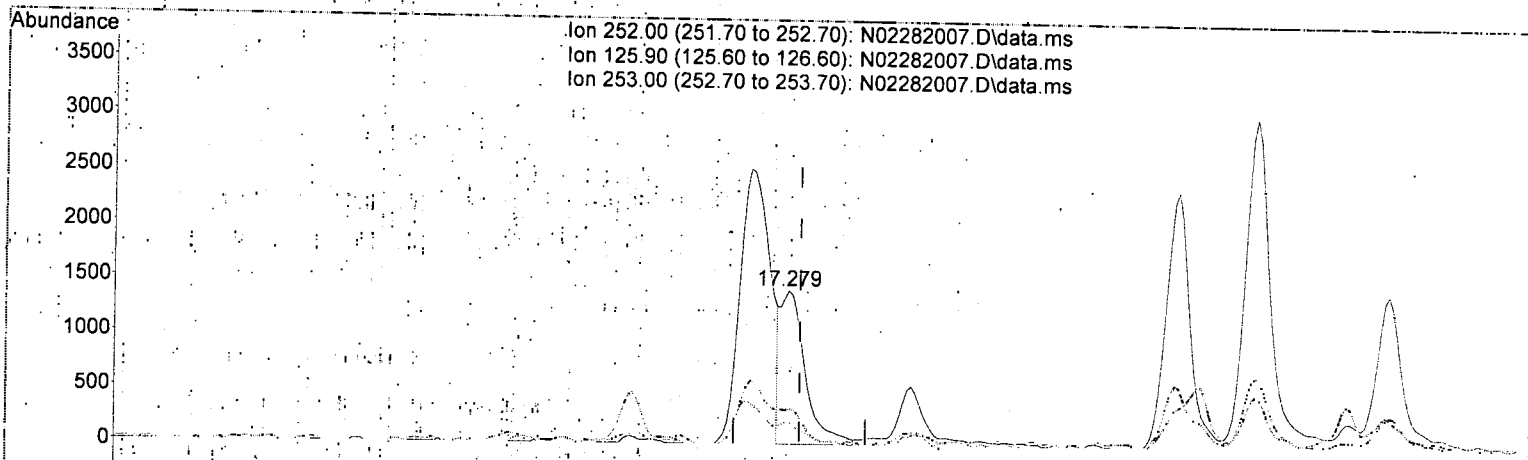
(31) Benzo(k)fluoranthene (T)

17.221min (-0.076)	8.33 ng/ml	<i>MT</i>
response	10465	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.04
253.00	21.50	22.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUPL
 Misc : 1x, 8270D: LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282007.D\data.ms

(31) Benzo (k) fluoranthene (T)

17.279min (-0.018) 2.95 ng/ml

response 3710

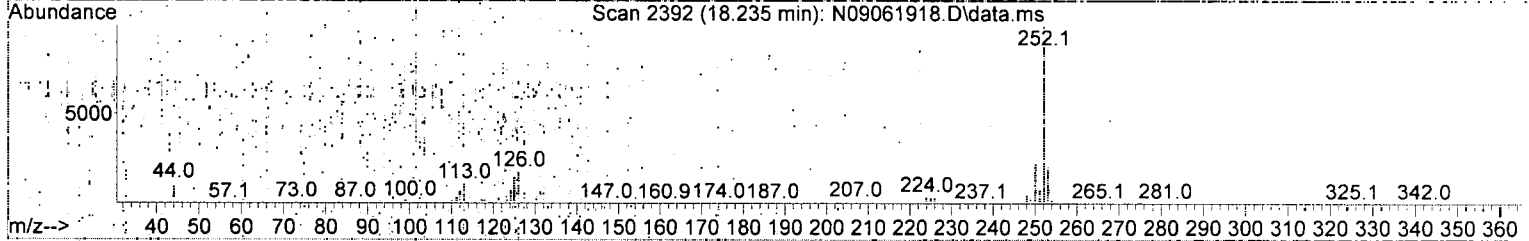
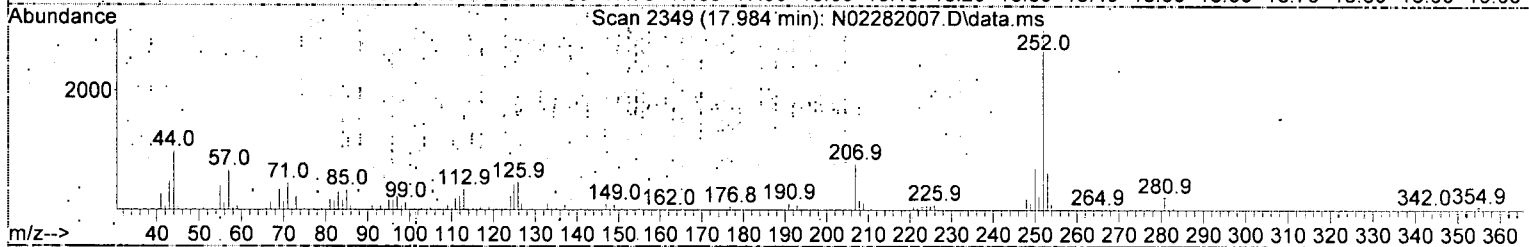
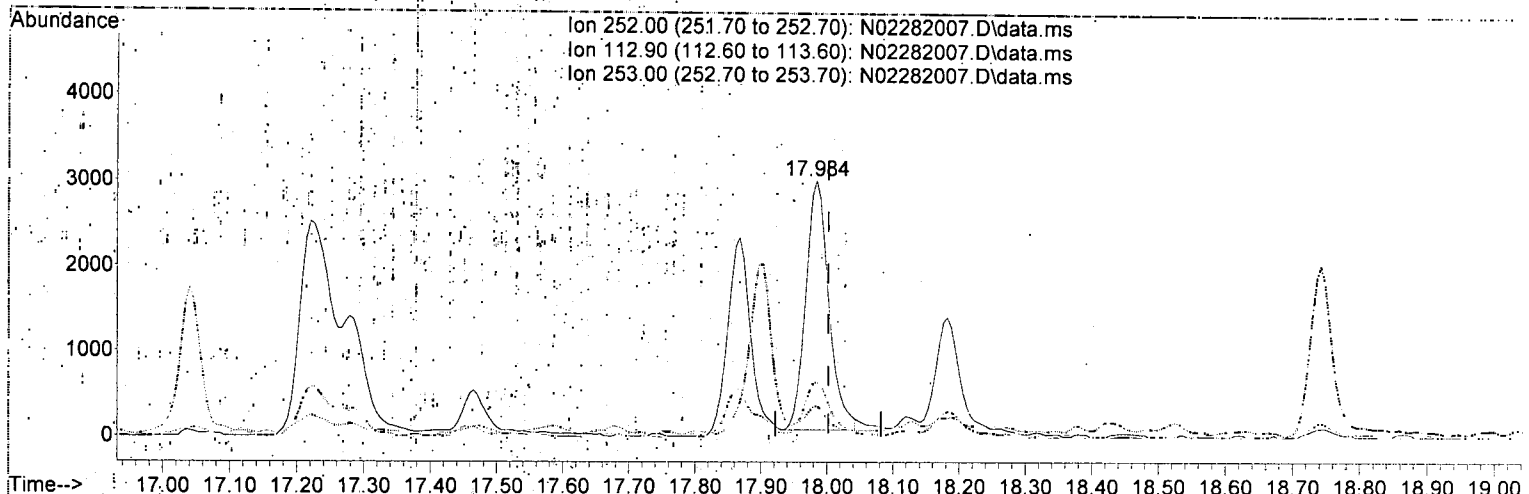
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.71
253.00	21.50	22.67
0.00	0.00	0.00

D J
DTH 4/8/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282007.D\data.ms

(35) Benzo(a)pyrene (T)

17.984min (-0.018) 6.58 ng/ml

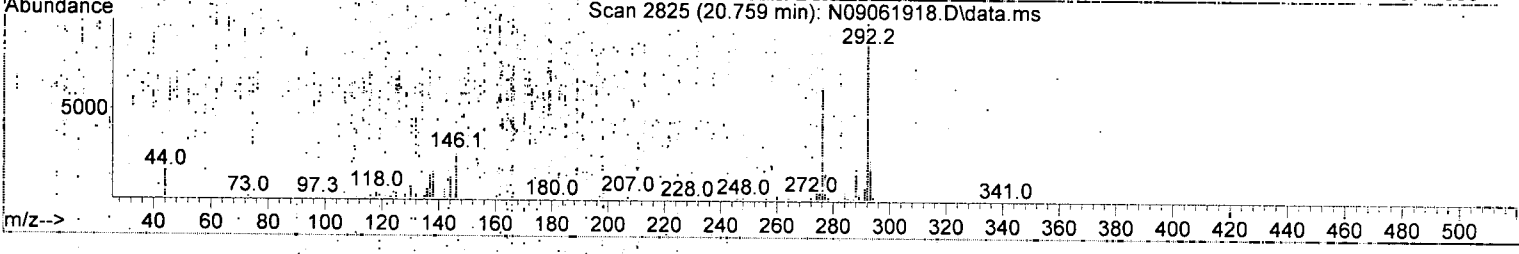
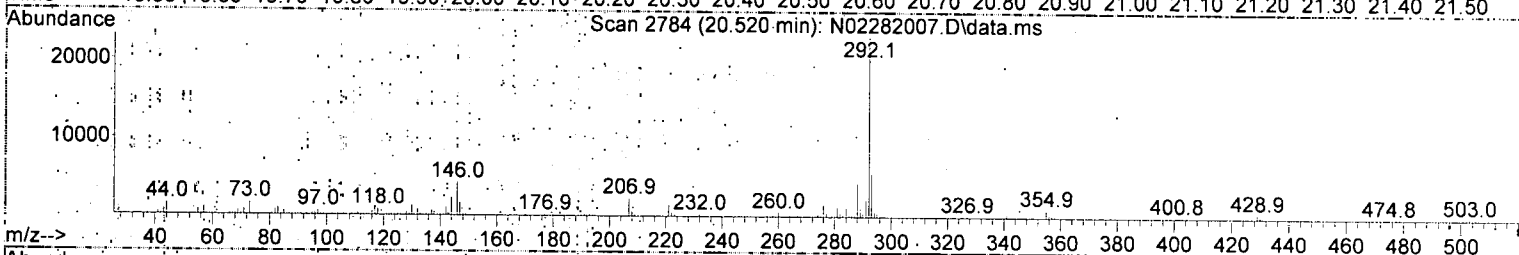
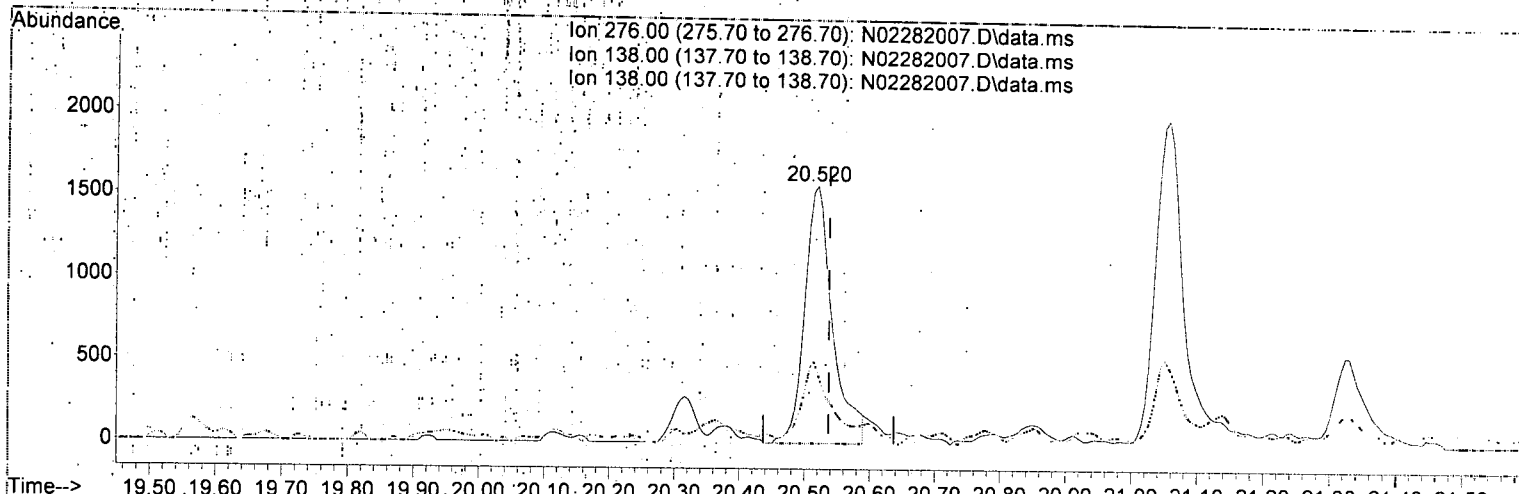
response 7189

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	11.91
253.00	21.90	21.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS1-4



TIC: N02282007.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

20.520min (-0.018) 4.73 ng/ml J

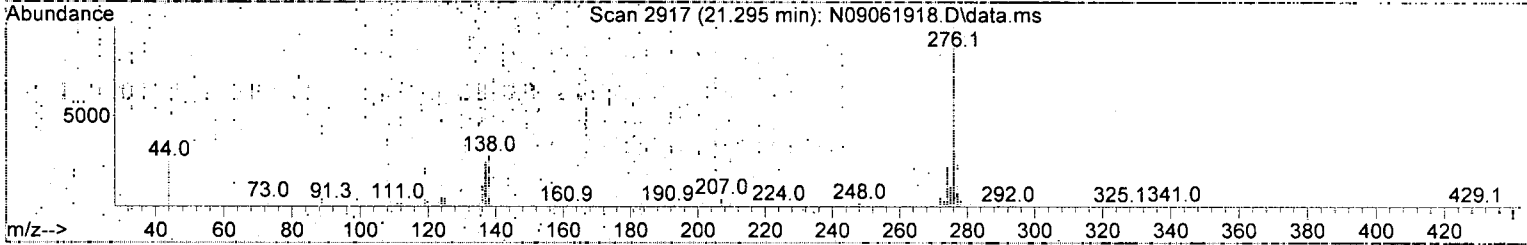
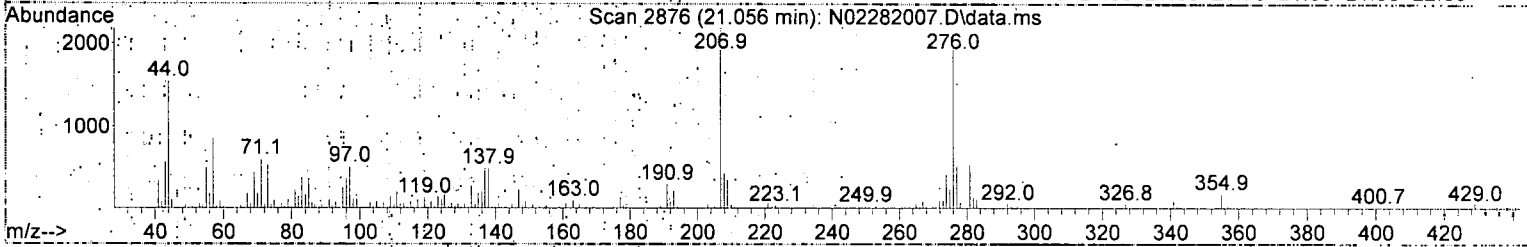
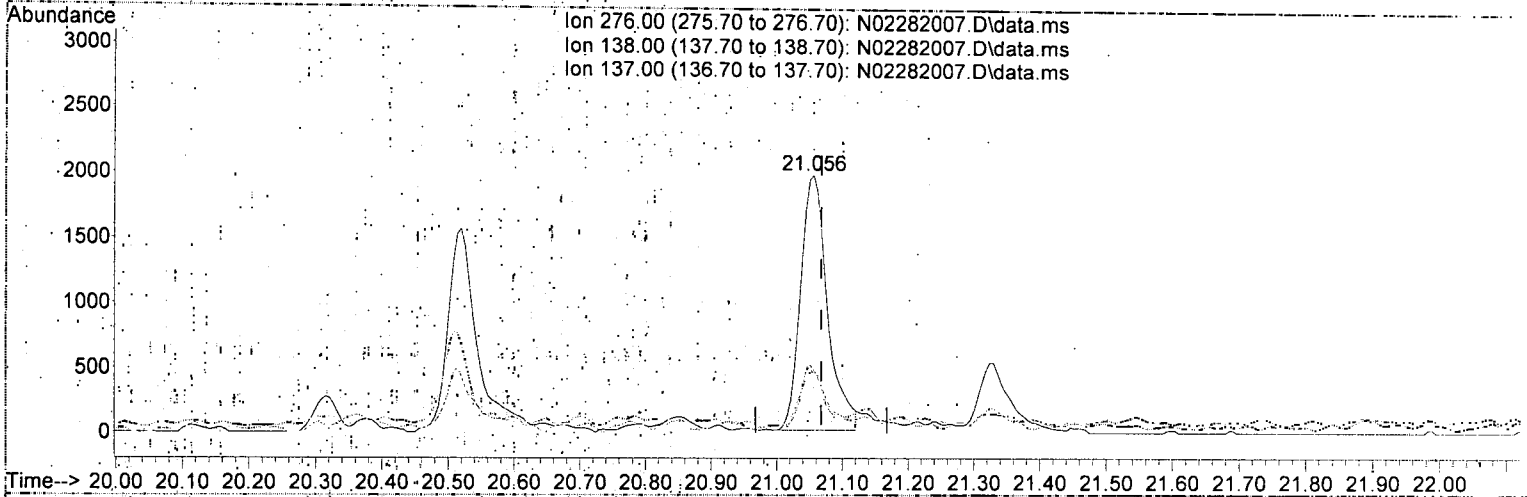
response : 4680

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	27.64
138.00	31.60	27.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path.: U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282007.D\data.ms

(40) Benzo(g,h,i)perylene (T)

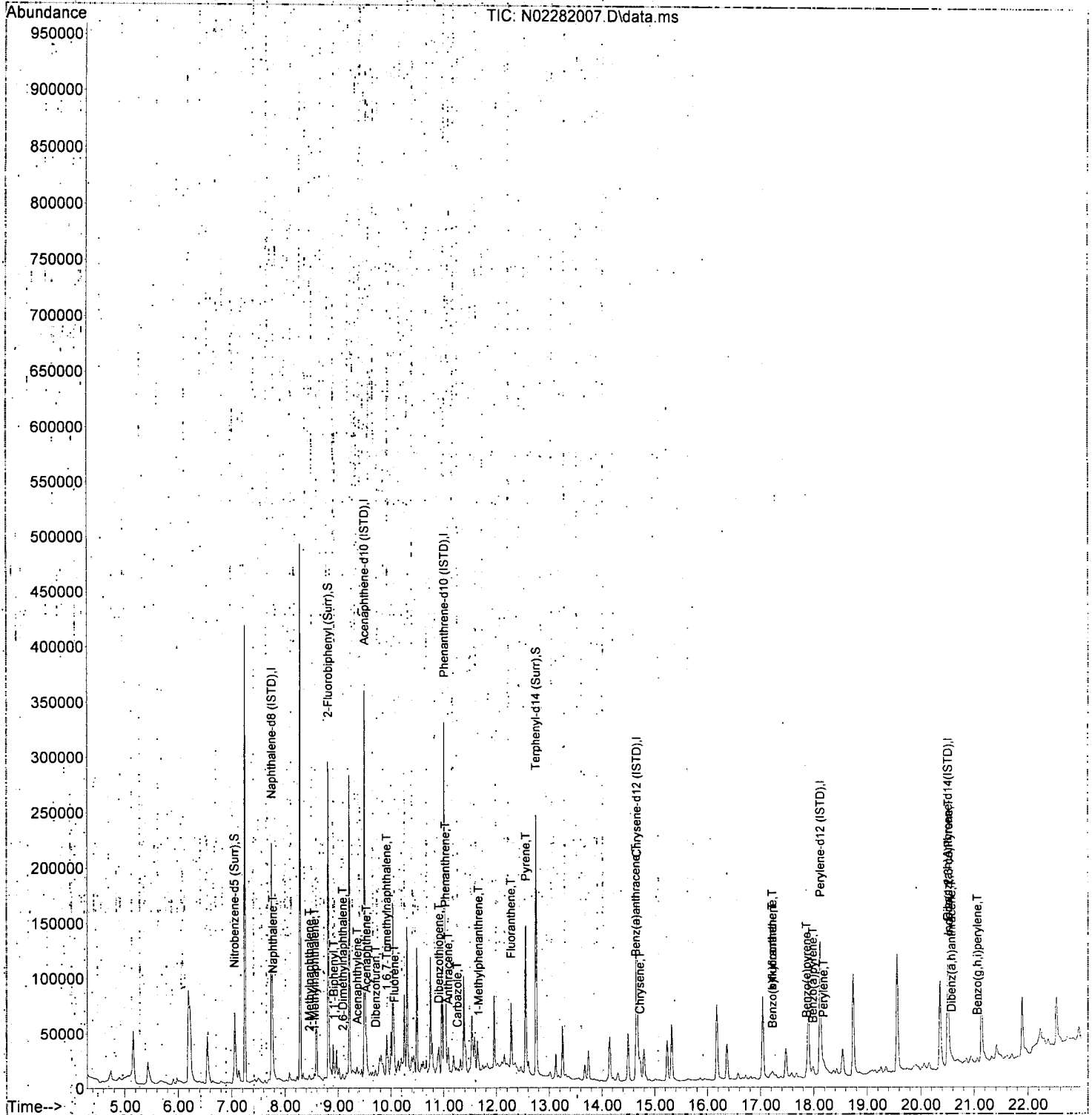
21.056min (-0.012) 5.39 ng/ml

response 5657

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	24.76
137.00	18.60	24.31
0.00	0.00	0.00

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282007.D
 Acq On : 28 Feb 2020 12:08 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-DUP1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:28 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B28020\
 Data File : N02282008.D
 Acq On : 28 Feb 2020 12:40 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

AMS
3/2/20

Quant Time: Feb 28 17:19:31 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

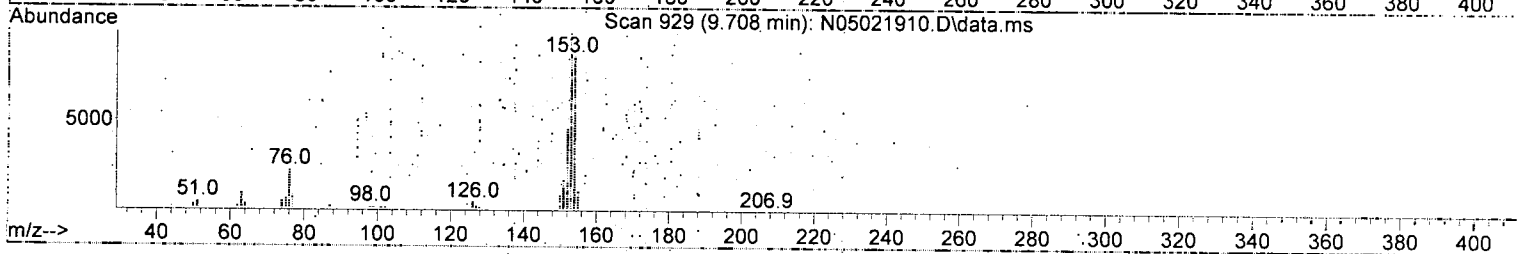
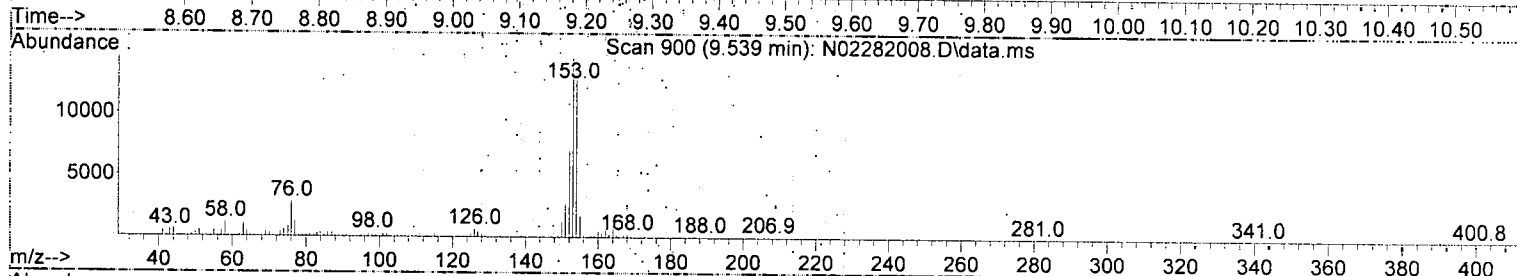
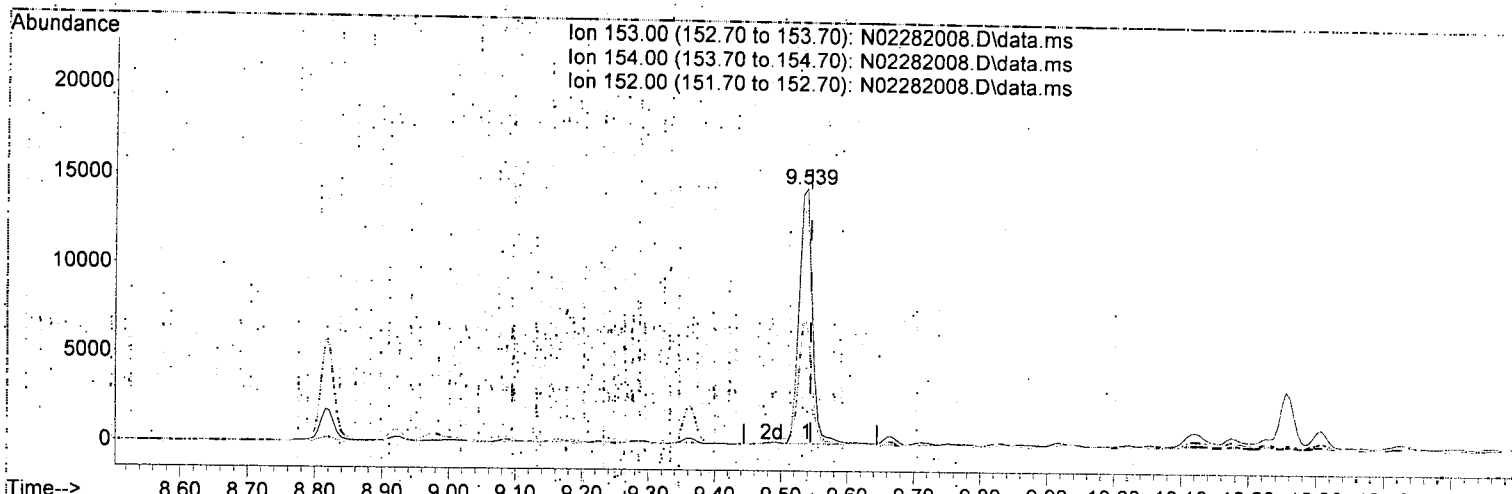
Compound	R.T	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	172286	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	109615	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	183557	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	127502	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	109646	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	77210	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.056	82	48276	84.33	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.816	172	147139	89.98	ng/ml	-0.01	
11) Acenaphthylene d-8 (Surr)	9.346	160	2660	-1.00	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.750	244	135350	100.93	ng/ml	-0.02	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.772	128	4451	2.34	ng/ml	95	
5) 2-Methylnaphthalene	8.460	142	1282	0.80	ng/ml	97	
6) 1-Methylnaphthalene	8.553	142	1537	0.95	ng/ml	93	
7) 1,1'-Biphenyl	8.921	154	1062	0.49	ng/ml	94	
8) 2,6-Dimethylnaphthalene	9.084	156	1648	1.04	ng/ml	99	
12) Acenaphthylene	9.364	152	2974	1.25	ng/ml	96	
13) Acenaphthene	9.539	153	20157	12.93	ng/ml	98	
14) Dibenzofuran	9.713	168	1029	0.53	ng/ml#	70	
15) 1,6,7-Trimethylnaphtha...	9.917	170	992	0.76	ng/ml#	1	
16) Fluorene	10.057	166	10949	6.86	ng/ml	99	
18) Dibenzothiophene	10.908	184	17022	8.87	ng/ml	97	
19) Phenanthrene	11.036	178	50858	23.68	ng/ml	100	
20) Anthracene	11.089	178	7811	3.91	ng/ml	98	
21) Carbazole	11.258	167	704	0.44	ng/ml	74	
22) 1-Methylphenanthrene	11.660	192	4242	2.84	ng/ml	97	
23) Fluoranthene	12.278	202	24695	11.41	ng/ml	97	
25) Pyrene	12.558	202	39781	19.97	ng/ml	99	
27) Benz(a)anthracene	14.644	228	4349	2.94	ng/ml	78	
28) Chrysene	14.720	228	8150	5.82	ng/ml	98	
30) Benzo(b)fluoranthene	17.226	252	3986	3.15	ng/ml	92	
31) Benzo(k)fluoranthene	17.226	252	5213	4.18	ng/ml	90	MI-NI
32) Benzo(b+k)fluoranthene	17.226	252	6106	4.72	ng/ml	90	
34) Benzo(e)pyrene	17.868	252	3057	2.39	ng/ml	98	
35) Benzo(a)pyrene	17.984	252	3863	3.57	ng/ml	90	
36) Perylene	18.182	252	3165	2.37	ng/ml	93	
38) Indeno(1,2,3-cd)Pyrene	20.520	276	2496	2.62	ng/ml	87	
39) Dibenz(a,h)anthracene	20.578	278	432	0.48	ng/ml#	50	
40) Benzo(g,h,i)perylene	21.056	276	3336	3.30	ng/ml	88	

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

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
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 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:31 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



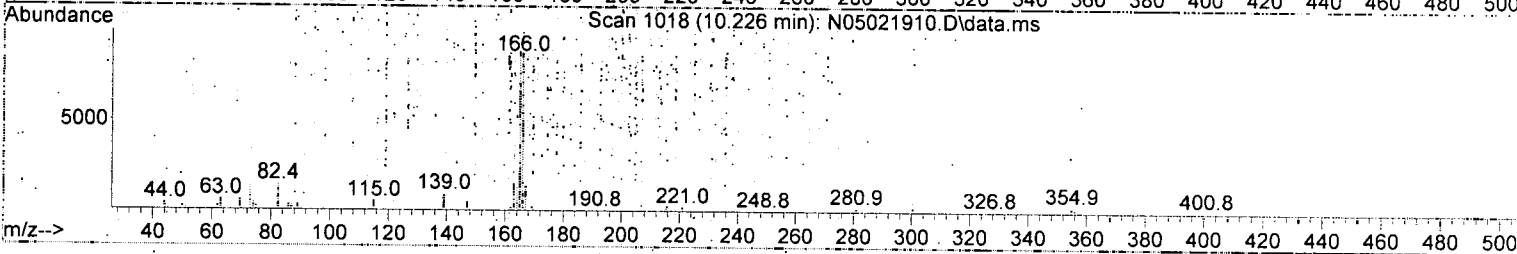
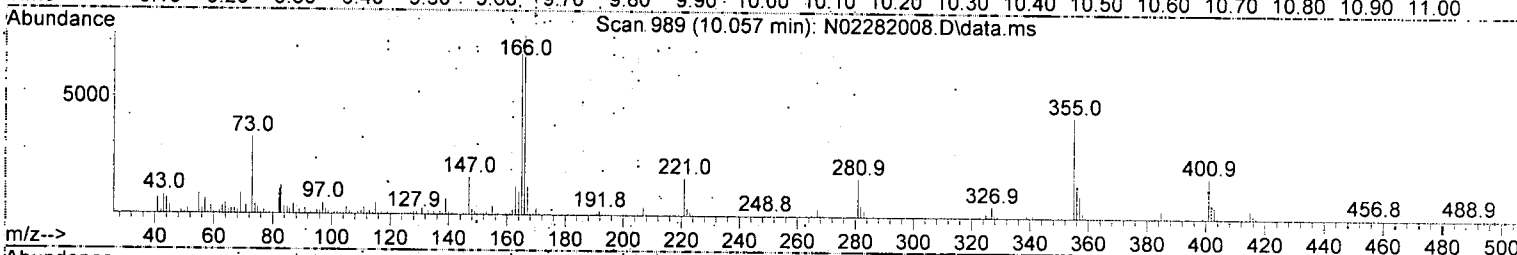
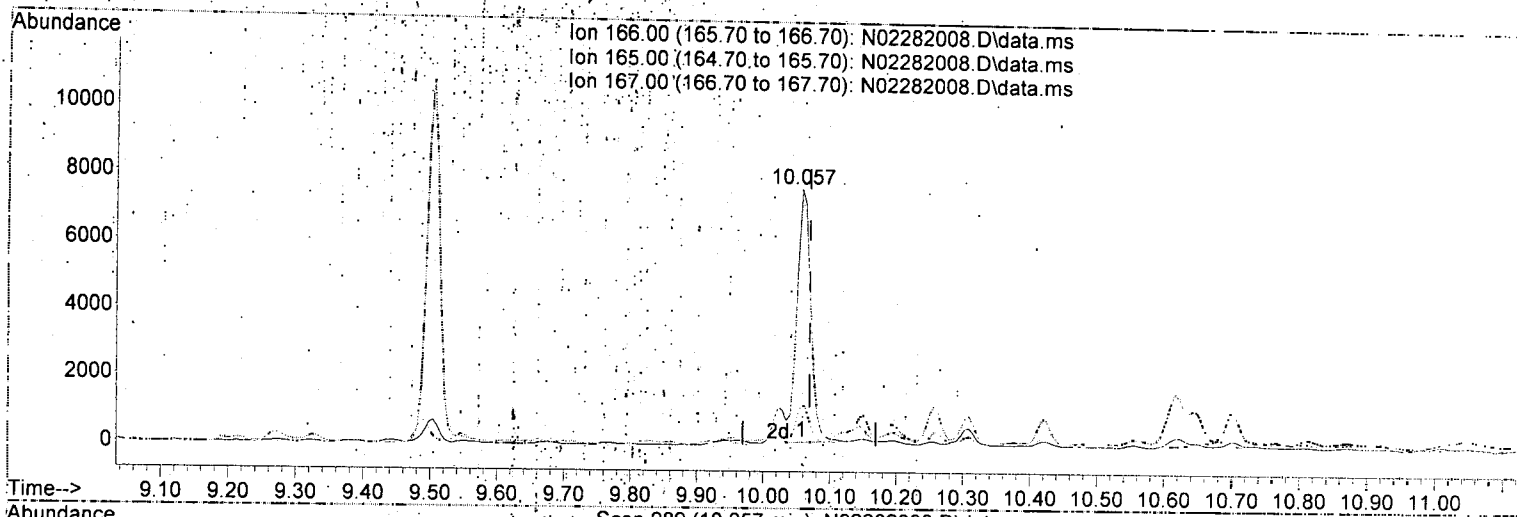
TIC: N02282008.D\data.ms

(13) Acenaphthene (T)		
Retention Time	Concentration	Response
9.539min (-0.006)	12.93 ng/ml	20157
Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	91.82
152.00	46.80	48.30
0.00	0.00	0.00

Quantitation Report (Qedit)

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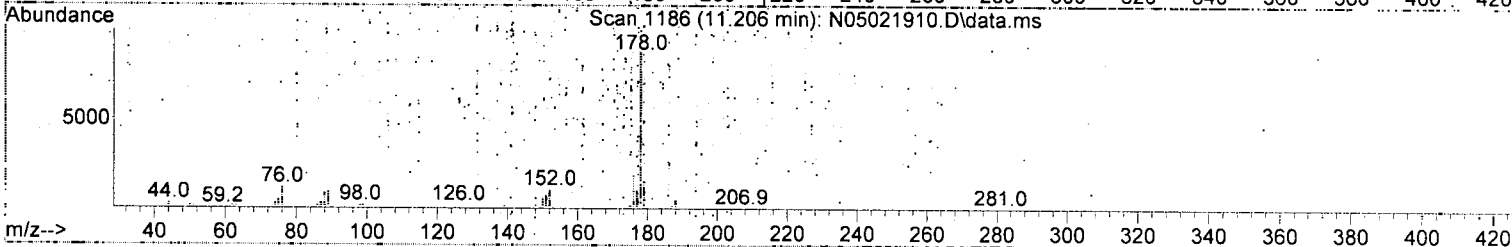
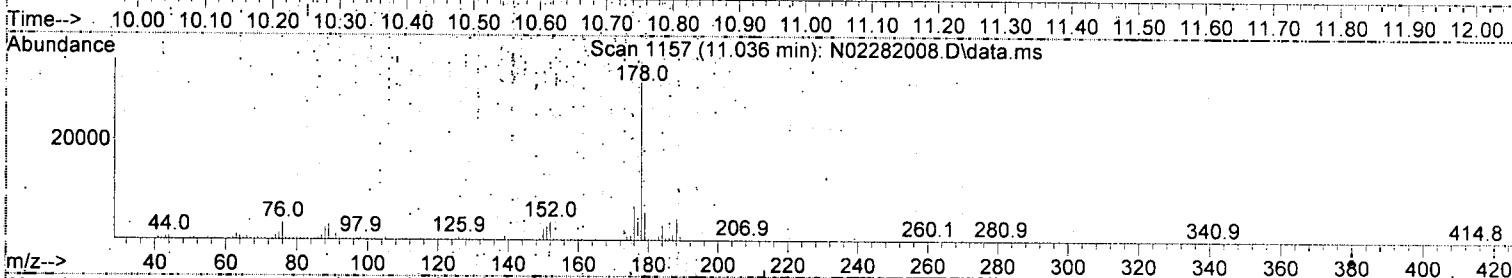
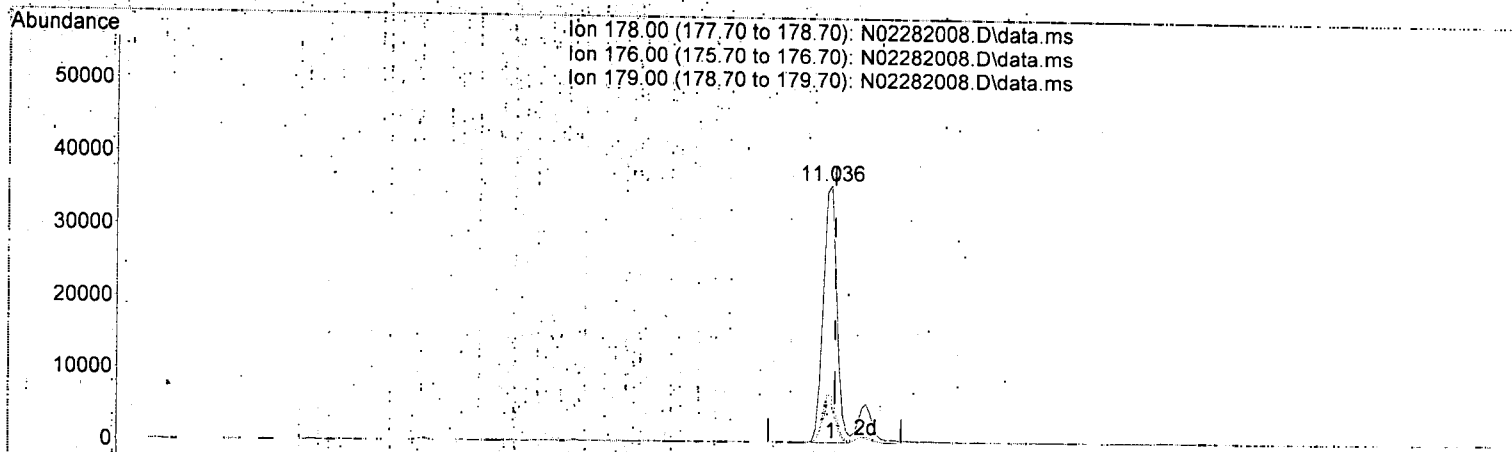
TIC: N02282008.D\data.ms

(16) Fluorene (T)		
10.057min (-0.012)	6.86 ng/ml	
response	10949	
Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.87
167.00	13.60	16.32
0.00	0.00	0.00

Quantitation Report (Qedit)

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 Data File : N02282008.D
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 Operator : JK/ AMS/ DTH
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 Misc : 1x, 8270D LL PAH ONLY
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 DataAcq Meth:LVI14_BNA_ACQ.M

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TIC: N02282008.D\data.ms

(19) Phenanthrene (T)

11.036min (-0.006) 23.68 ng/ml

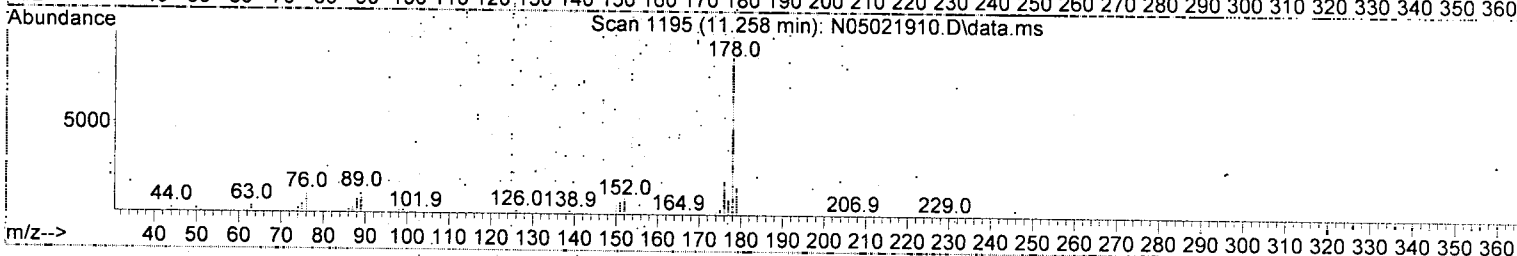
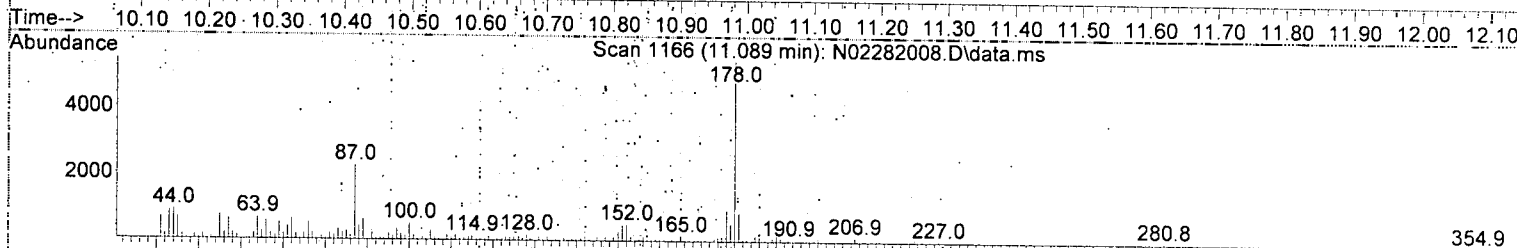
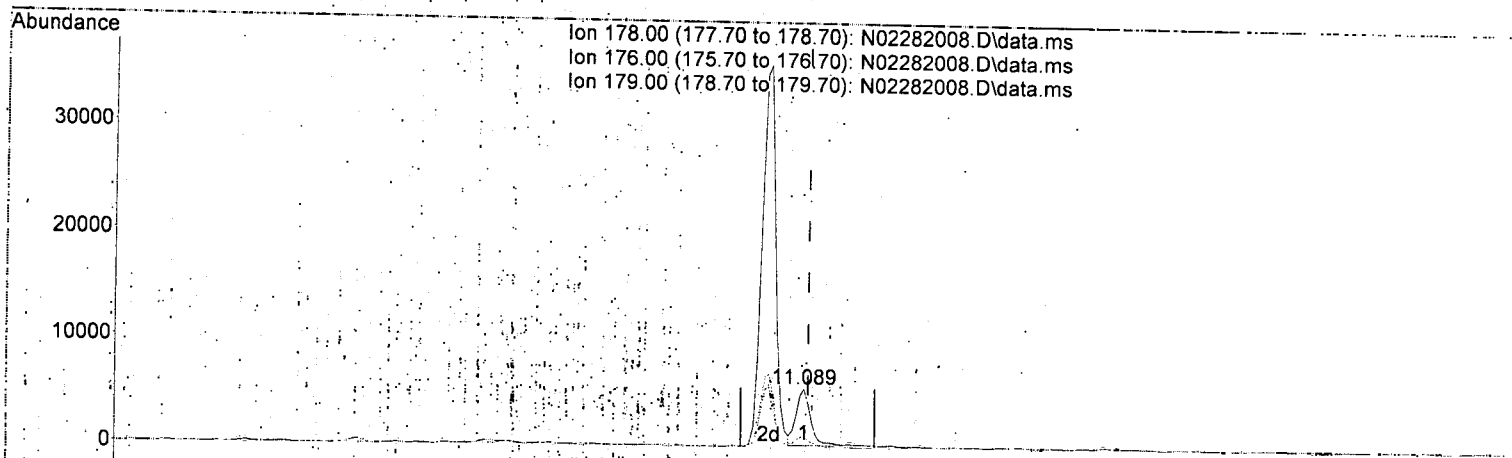
response 50858

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.02
179.00	15.10	15.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282008.D
 Acq On : 28 Feb 2020 12:40 pm
 Operator : JK/ AMS/ DTH
 Sample : AOB0681-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:31 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
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 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282008.D\data.ms

(20) Anthracene (T)

11.089min (-0.006) 3.91 ng/ml

response 7811

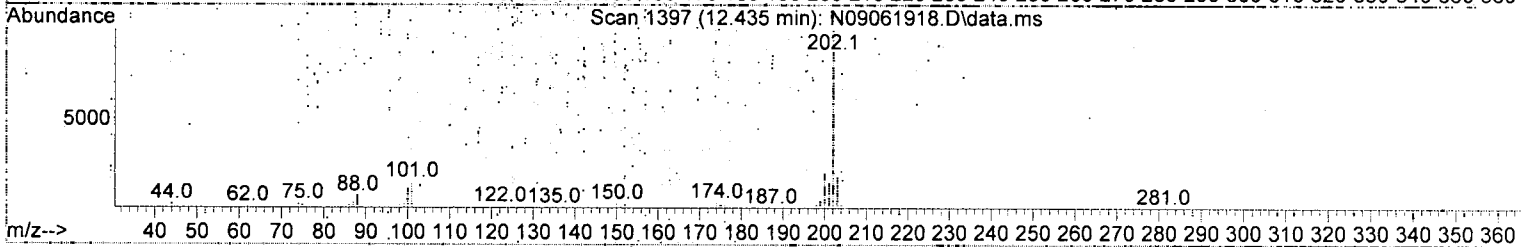
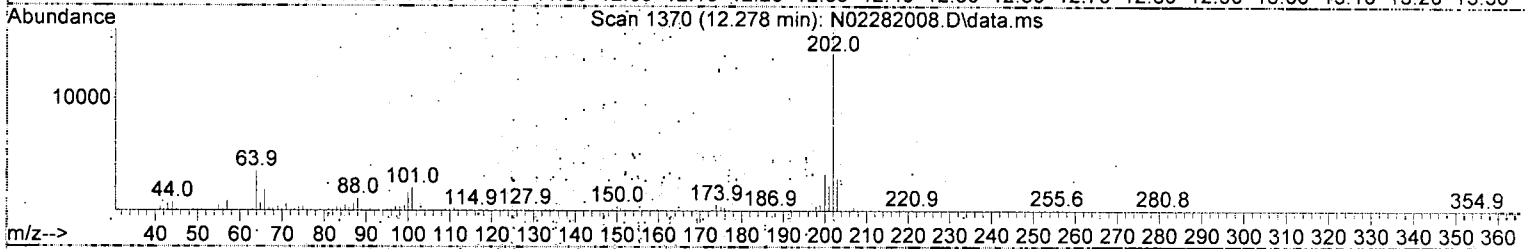
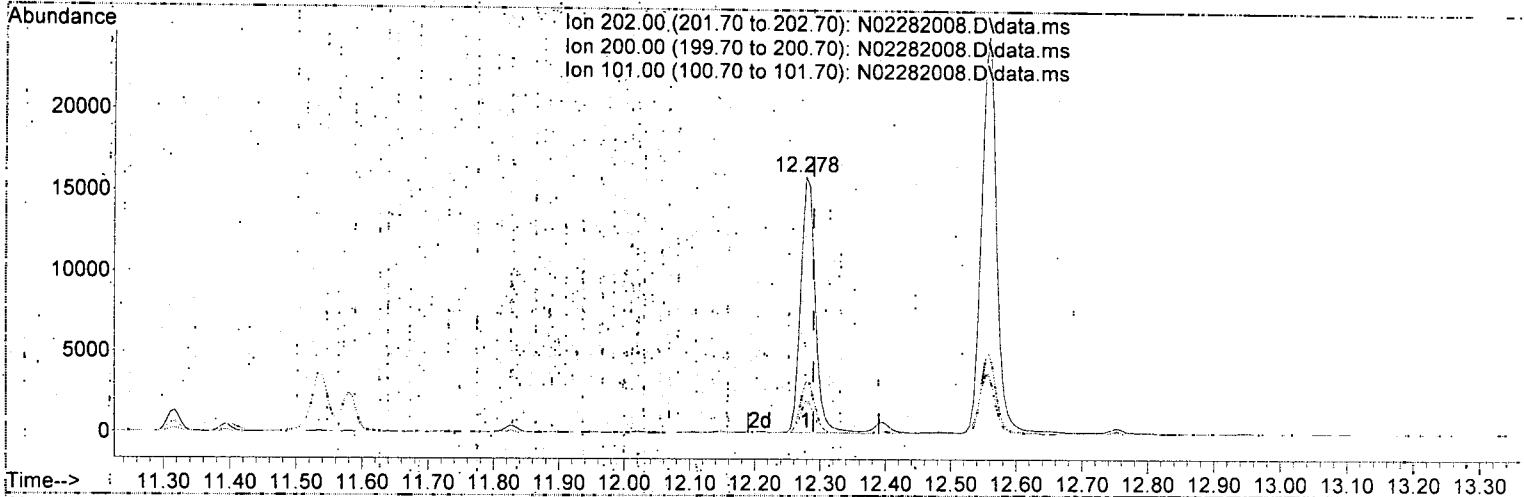
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	17.47
179.00	15.30	15.71
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282008.D
 Acq On : 28 Feb 2020 12:40 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:31 2020
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 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
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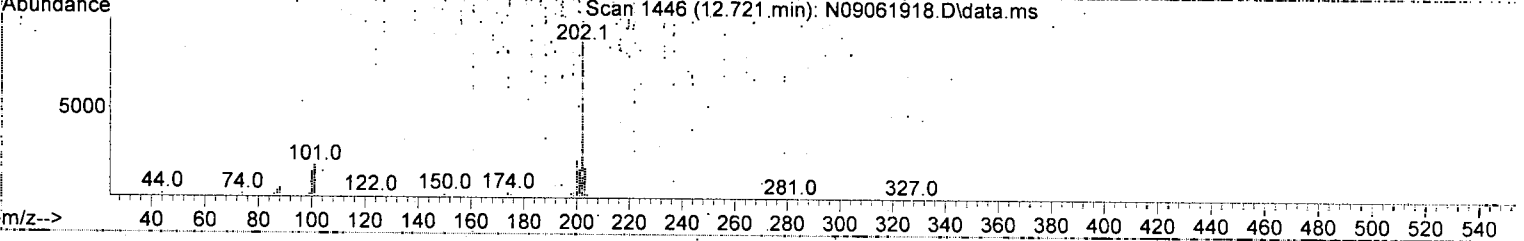
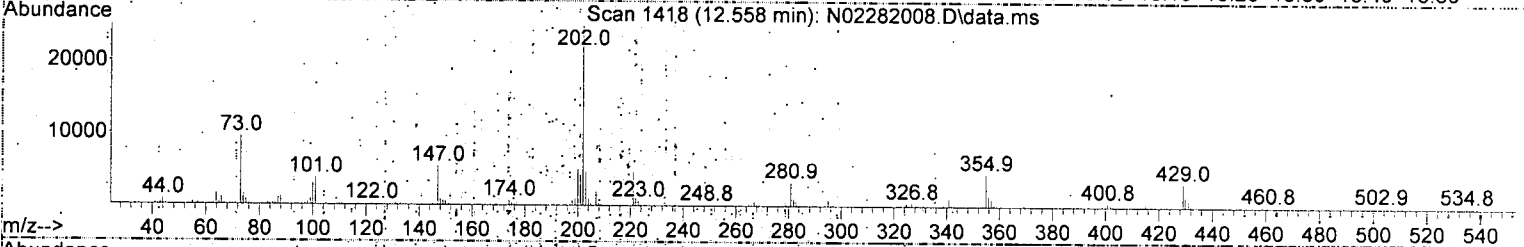
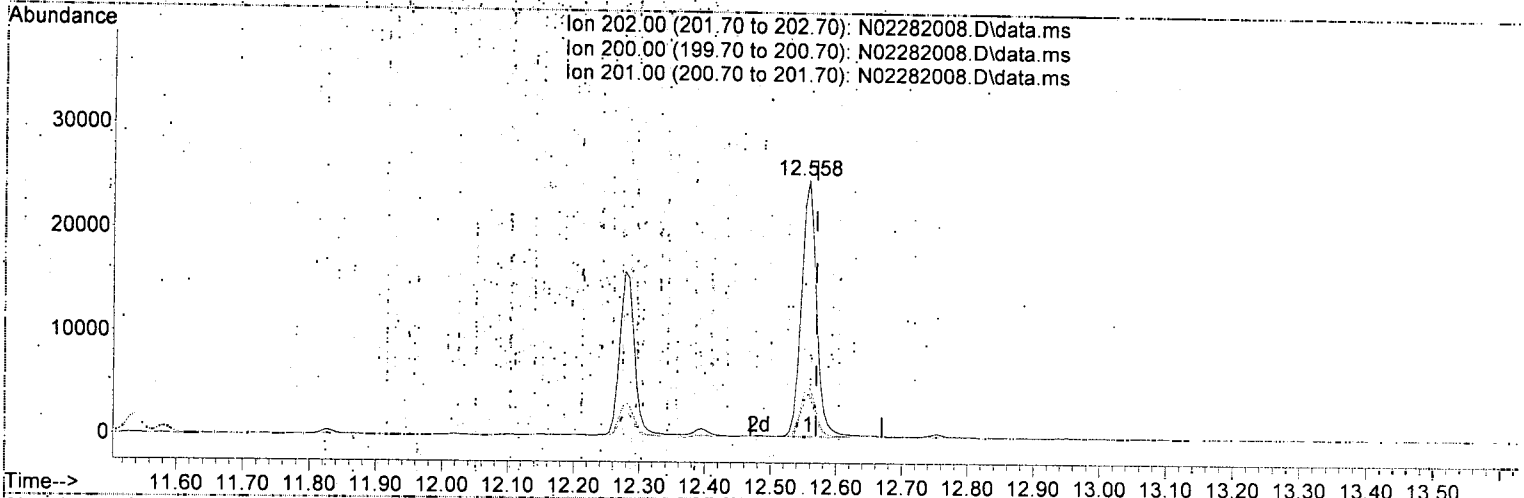
TIC: N02282008.D\data.ms

(23) Fluoranthene (T)		
Retention Time (min)	Concentration (ng/ml)	
12.278min (-0.012)	11.41 ng/ml	
response	24695	
Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.26
101.00	15.30	12.62
0.00	0.00	0.00

Quantitation Report (Qedit)

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 Misc : 1x, 8270D.LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

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TIC: N02282008.D\data.ms

(25) Pyrene (T)

12.558min (-0.012) 19.97 ng/ml

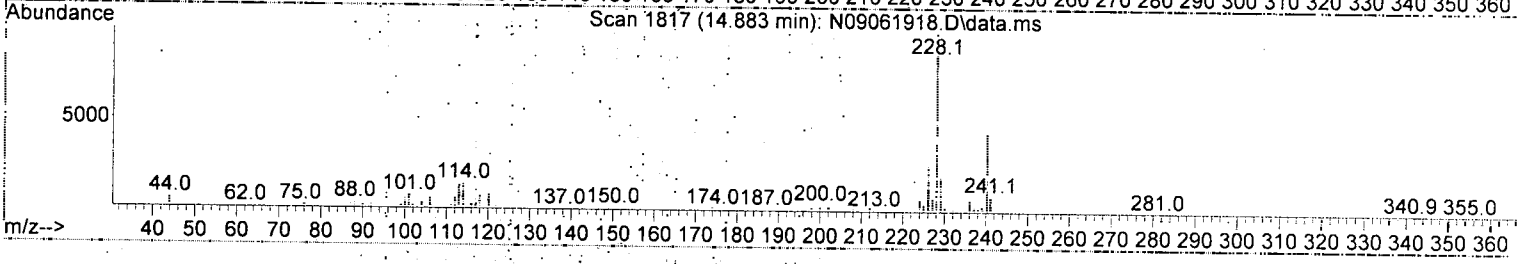
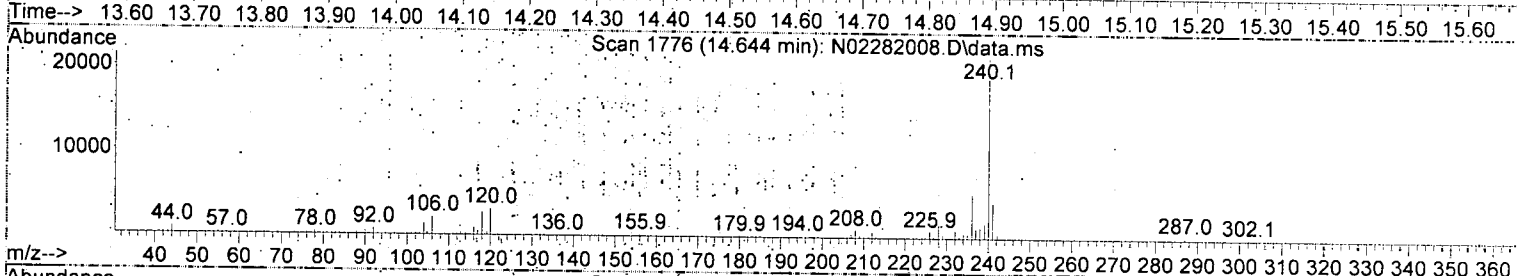
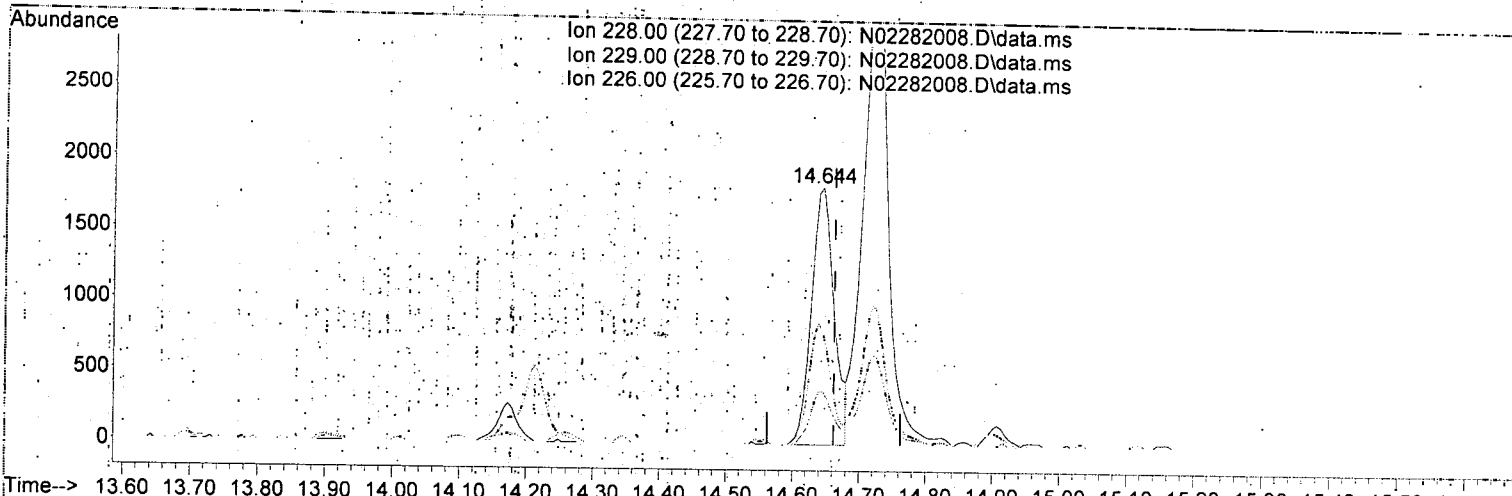
response 39781

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.16
201.00	16.80	16.85
0.00	0.00	0.00

Quantitation Report (Qedit)

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 Operator : JK/ AMS/ DTH
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 Misc : 1x, 8270D-LL PAH ONLY
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 DataAcq Meth:LVI14_BNA_ACQ.M

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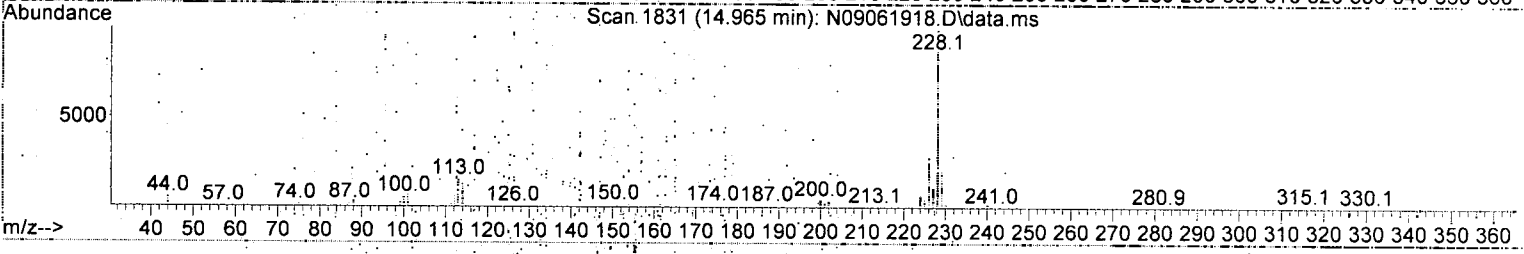
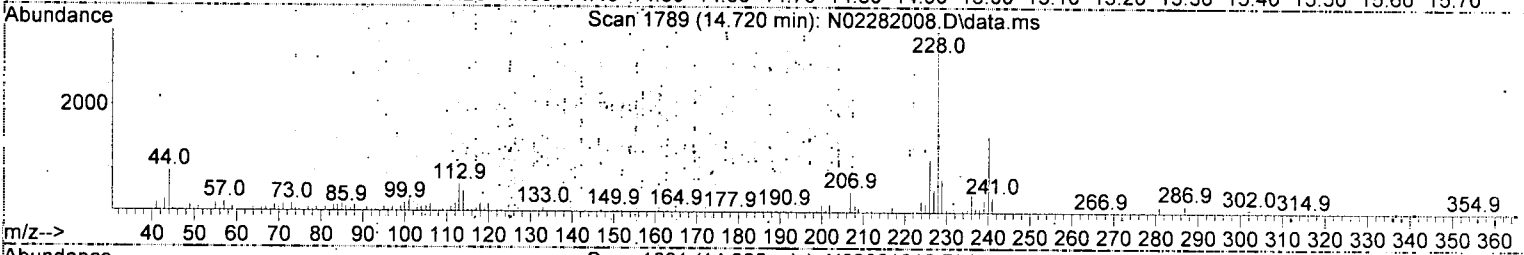
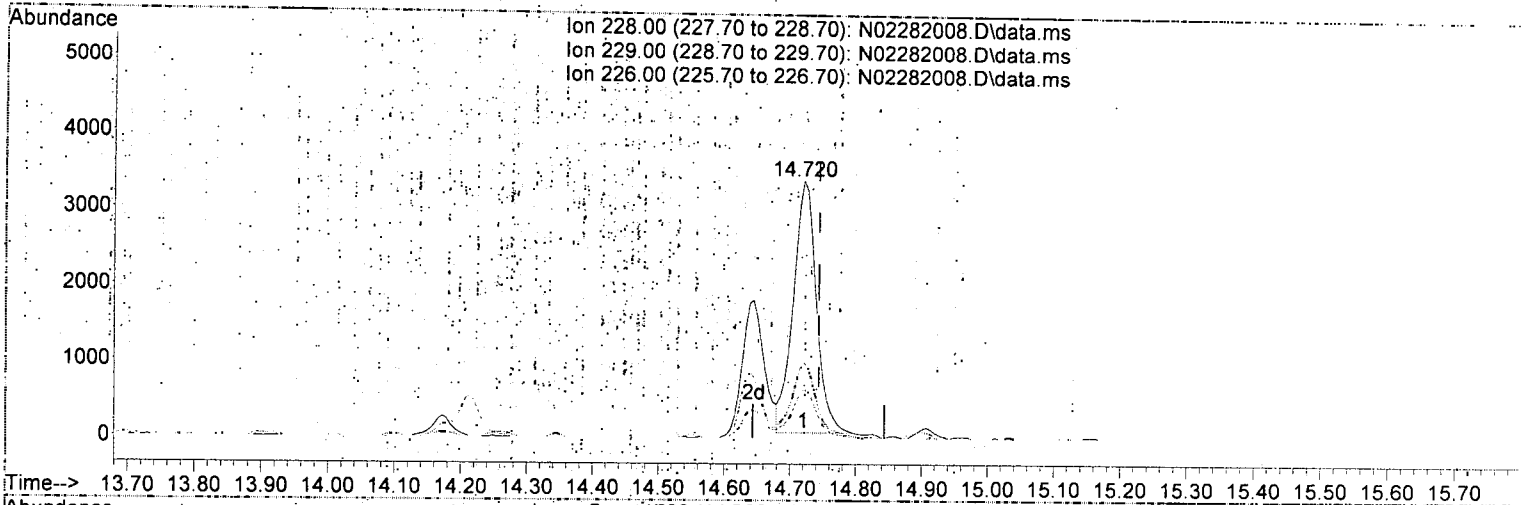
TIC: N02282008.D\data.ms

(27) Benz(a)anthracene (T)		
14.644min (-0.018)	2.94 ng/ml	
response	4349	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.79
226.00	26.20	44.26
0.00	0.00	0.00

Quantitation Report (Qedit)

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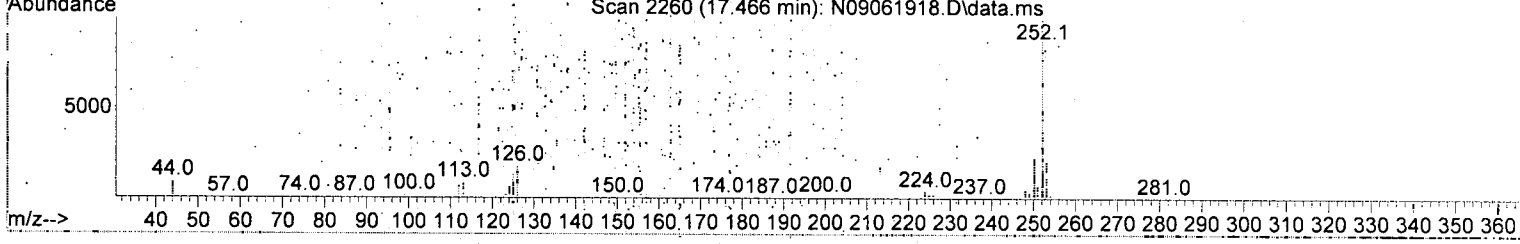
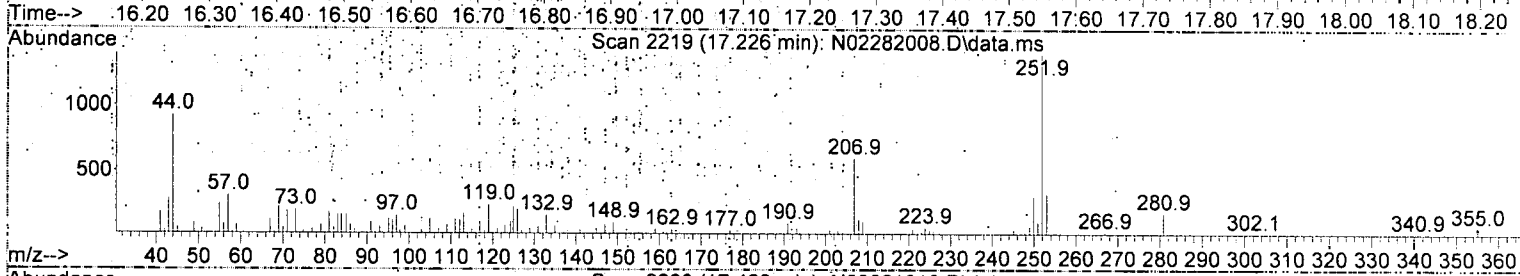
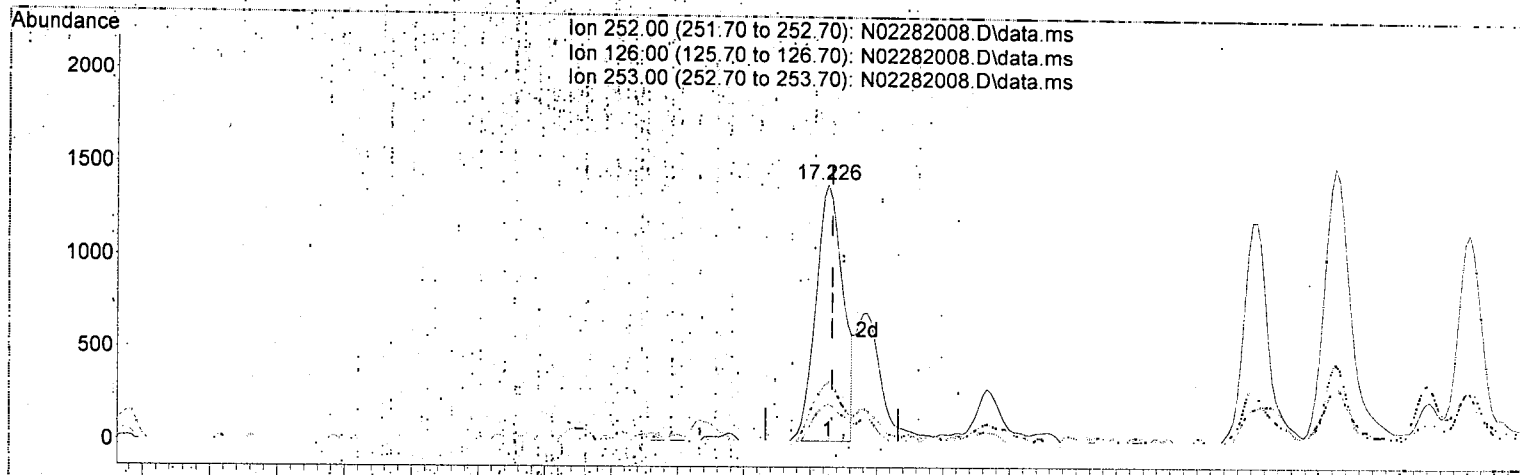
TIC: N02282008.D\data.ms

(28) Chrysene (T)		
14.720min (-0.023)	5.82 ng/ml	
response	8150	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	18.85
226.00	28.60	29.43
0.00	0.00	0.00

Quantitation Report (Qedit)

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TIC: N02282008.D\data.ms

(30) Benzo(b)fluoranthene (T)

17.226min (-0.006) 3.15 ng/ml

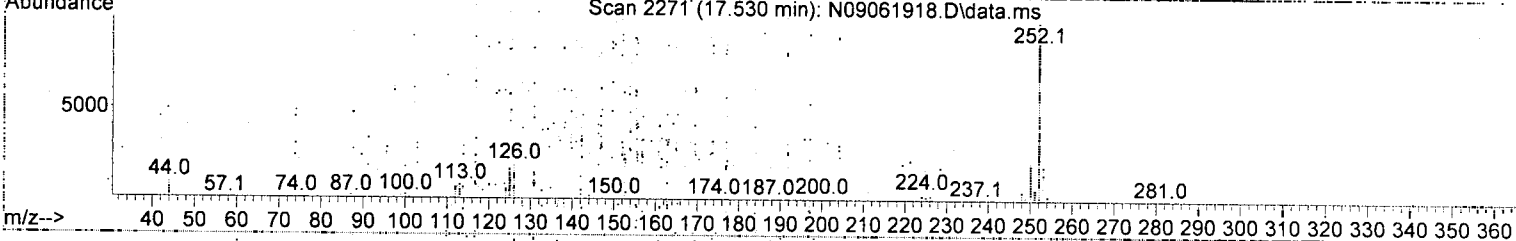
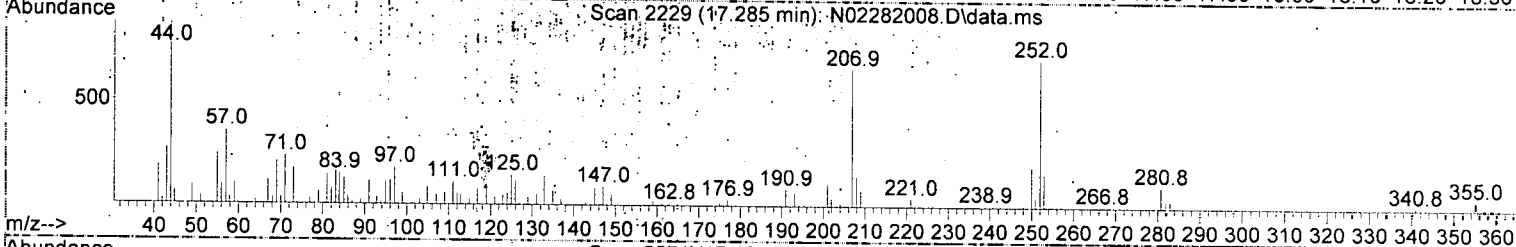
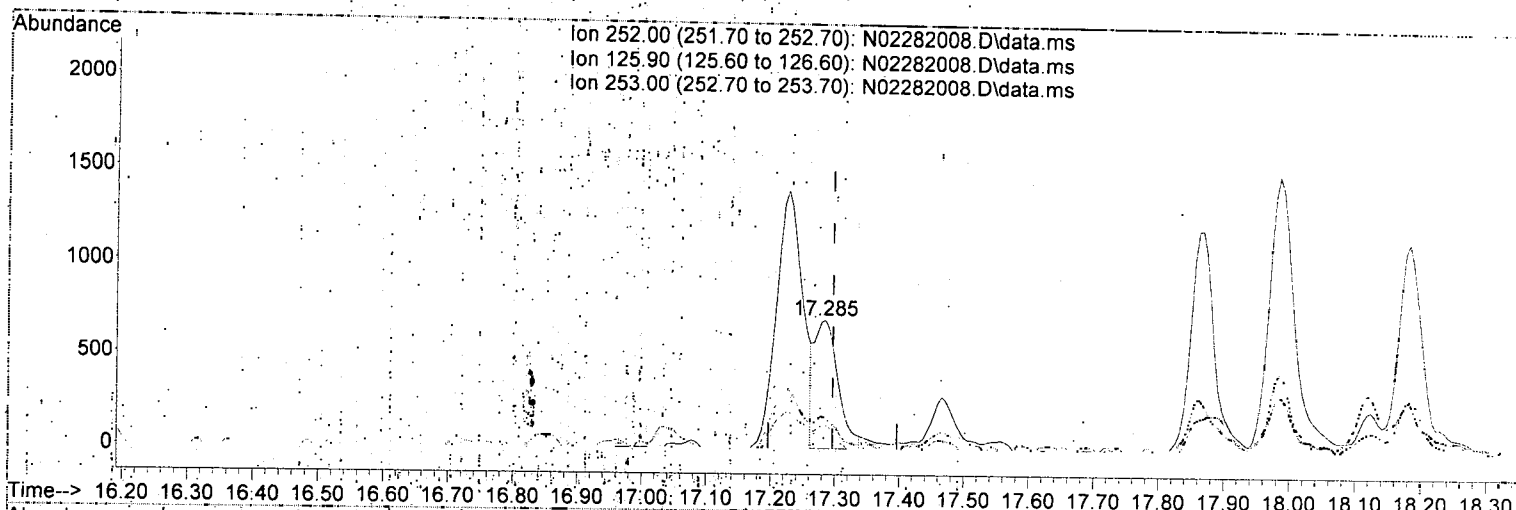
response	Exp%	Act%
3986		
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	14.51
253.00	21.10	23.23
0.00	0.00	0.00

J

Quantitation Report (Qedit)

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TIC: N02282008.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.285min (-0.012) 1.43 ng/ml m

response 1784

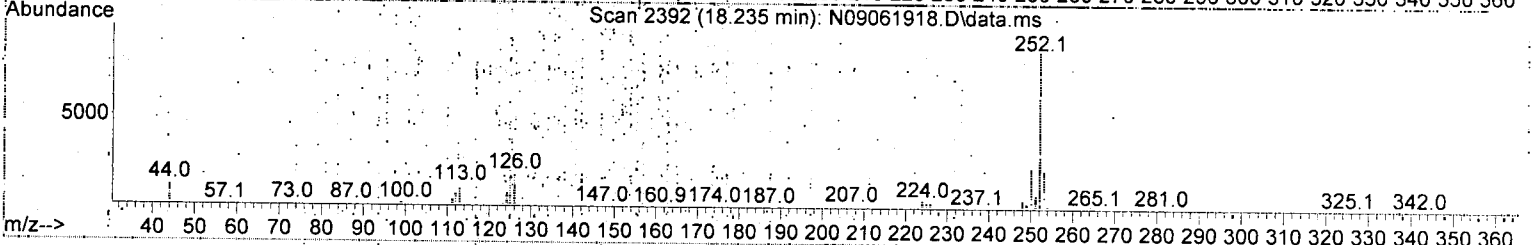
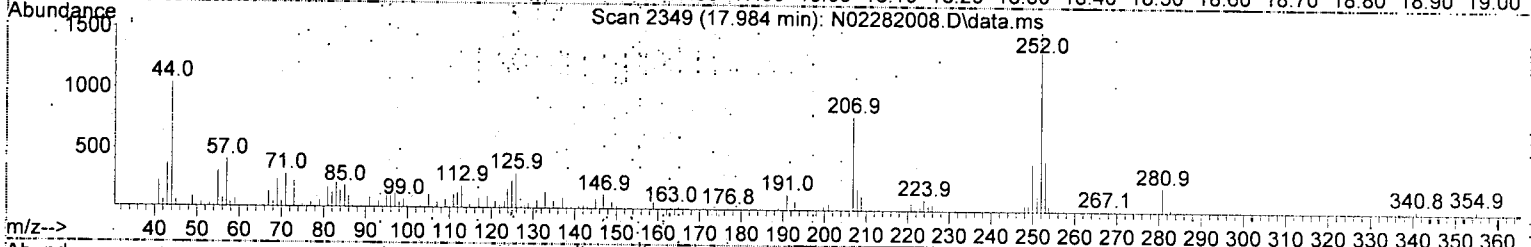
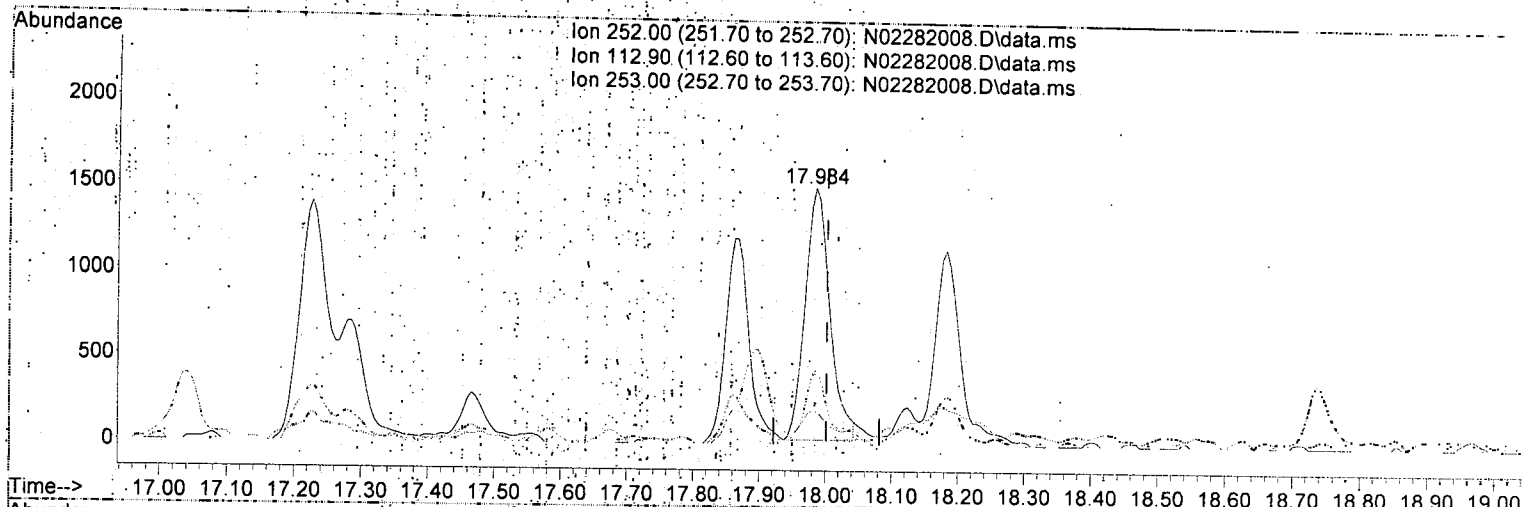
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	18.52
253.00	21.50	24.07
0.00	0.00	0.00

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Quantitation Report (Qedit)

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TIC: N02282008.D\data.ms

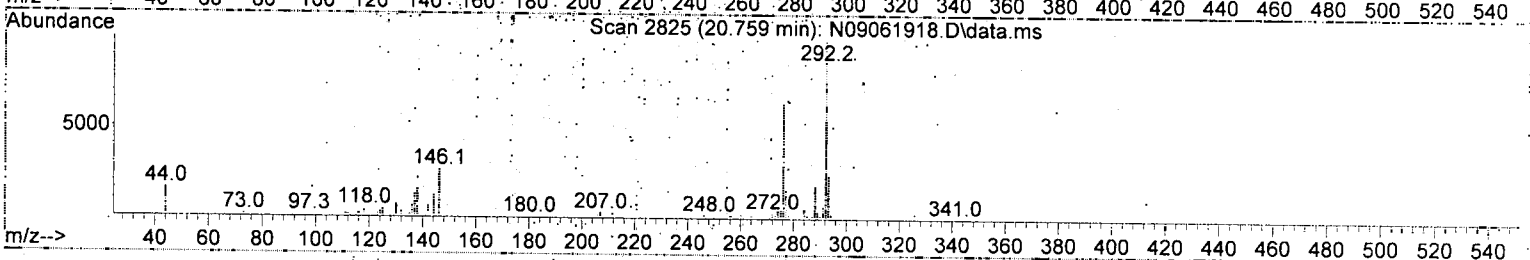
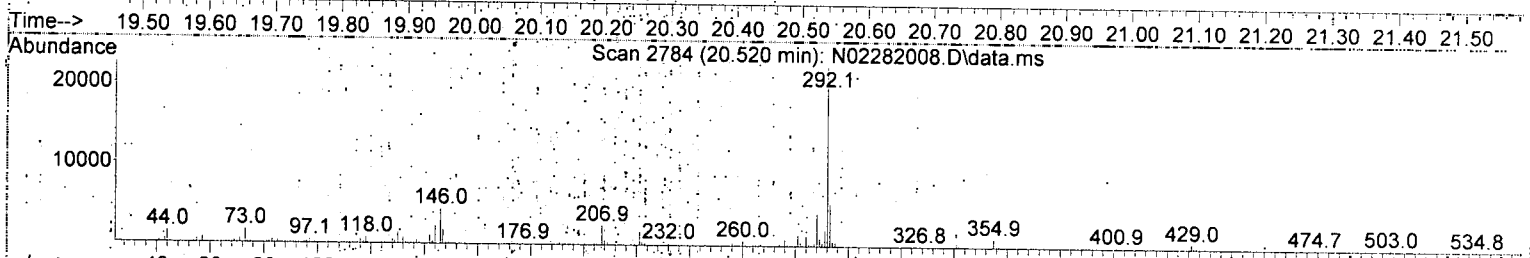
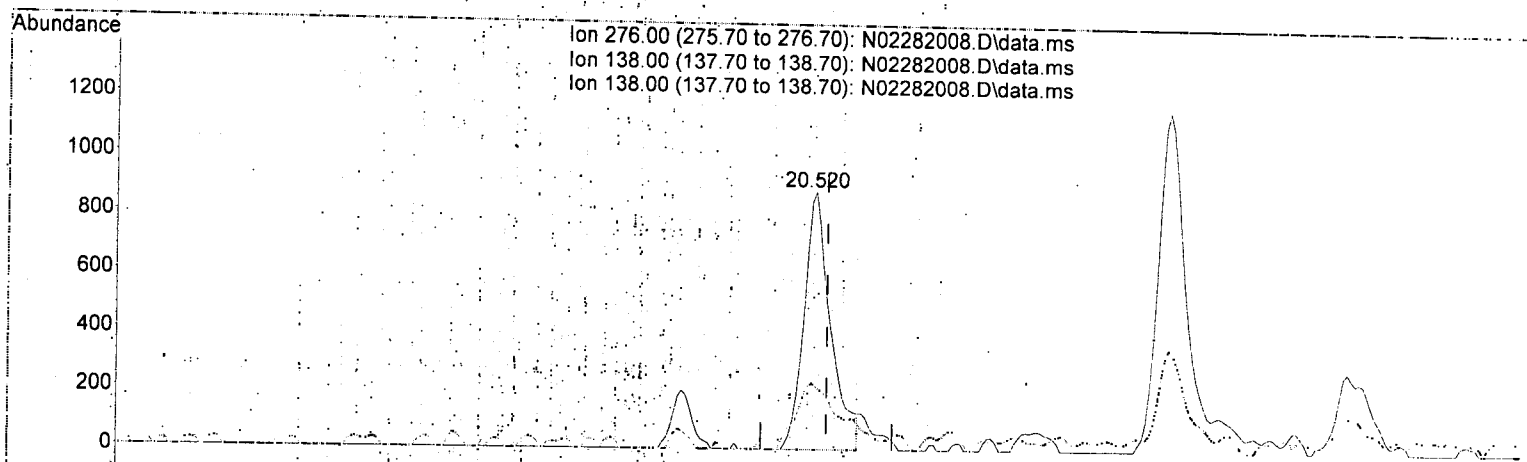
(35) Benzo(a)pyrene (T)		
17.984min (-0.018) : 3.57 ng/ml		
response	3863	
Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	13.20
253.00	21.90	28.71
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282008.D
 Acq On : 28 Feb 2020 12:40 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:31 2020.
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019.
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282008.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

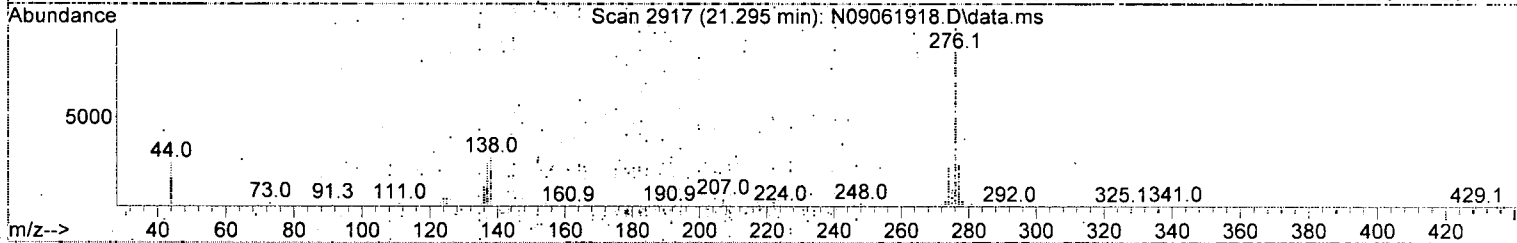
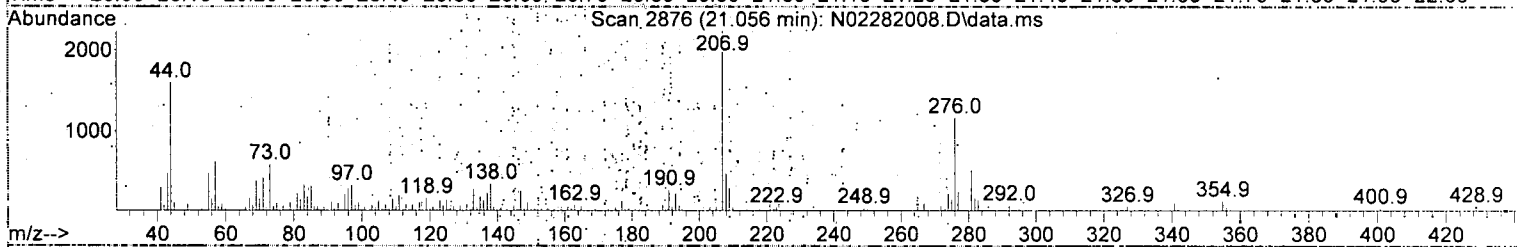
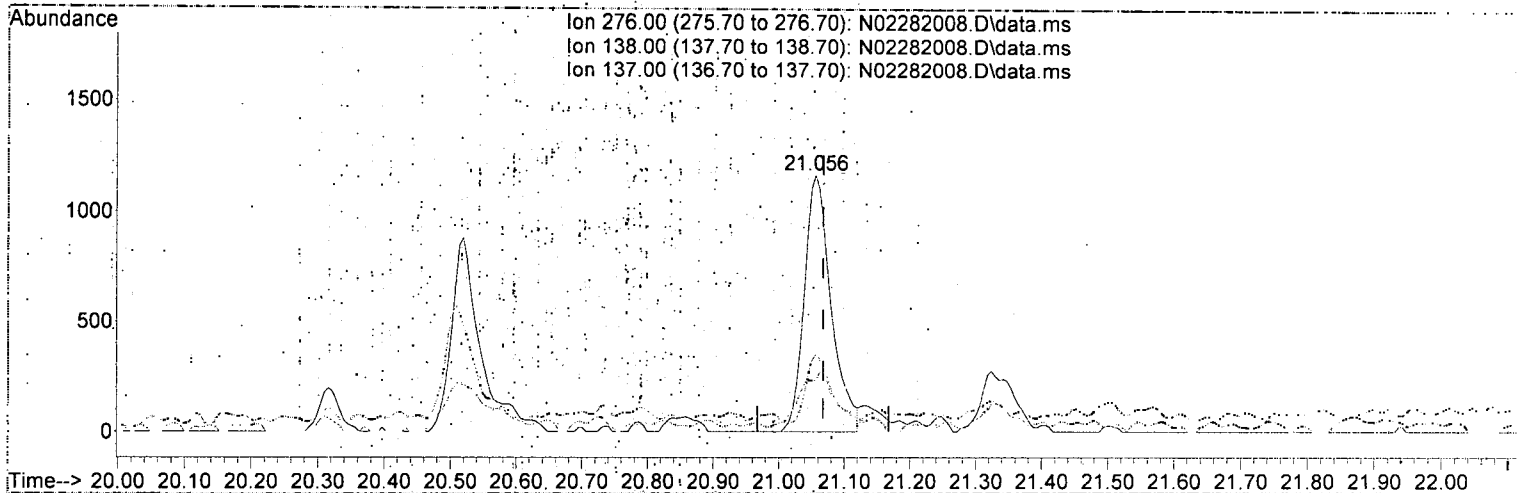
20.520min (-0.018) 2.62 ng/ml

response	2496
Ion	Exp% Act%
276.00	100.00 100.00
138.00	31.60 24.46
138.00	31.60 24.46
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282008.D
 Acq On : 28 Feb 2020 12:40 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Mar 02 07:29:33 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N02282008.D\data.ms

(40) Benzo(g,h,i)perylene (T)

21.056min (-0.012) 3.30 ng/ml

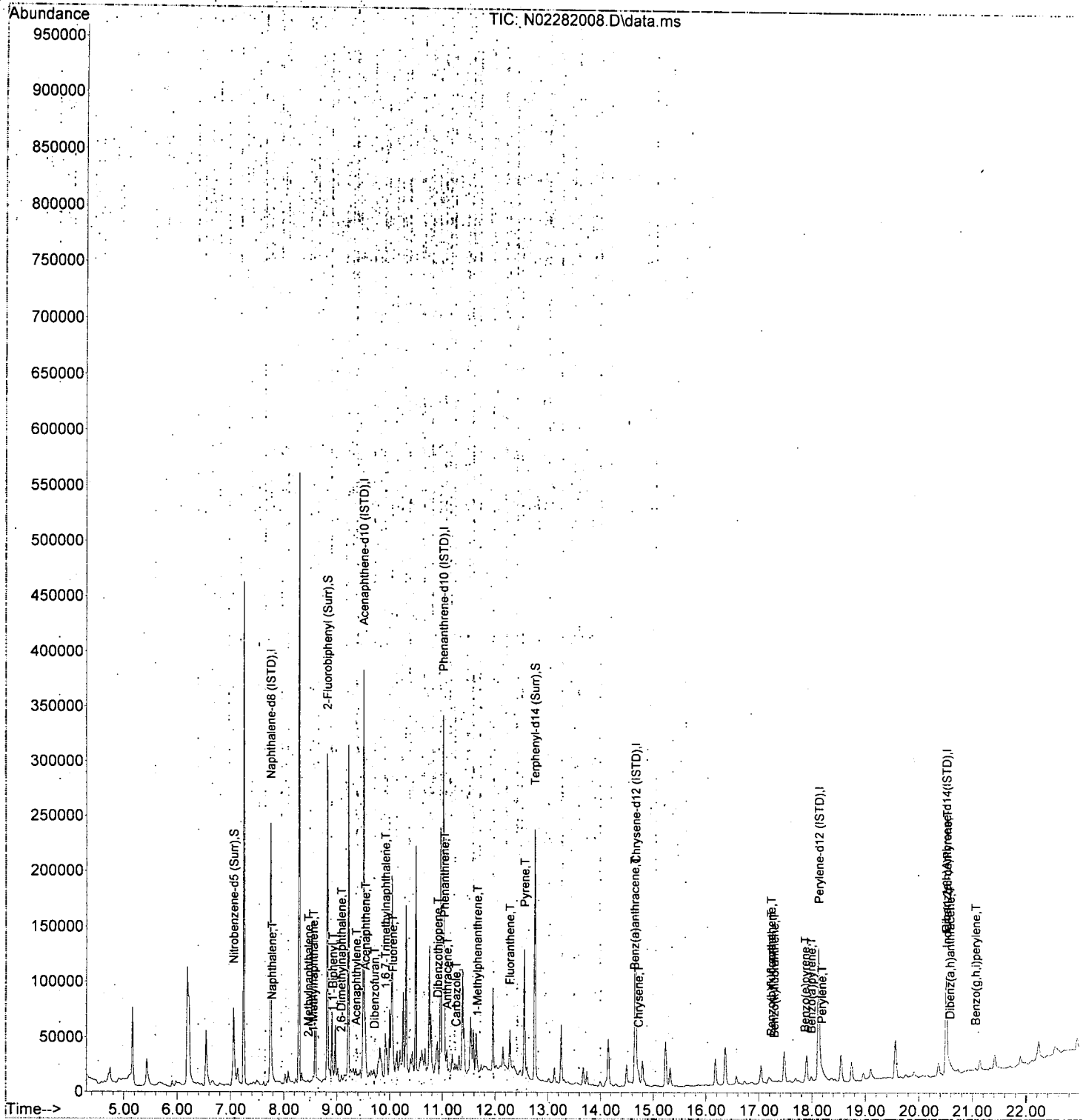
response 3336

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	29.91
137.00	18.60	20.14
0.00	0.00	0.00

J

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282008.D
 Acq On : 28 Feb 2020 12:40 pm
 Operator : JK/ AMS/ DTH
 Sample : A0B0681-04RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Mar 02 07:29:33:2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path: U:\data\2020-02\0B28020\
 Data File: N02282009.D
 Acq On: 28 Feb 2020 01:13 pm
 Operator: JK/AMS/DTH
 Sample: 0020865-MS1
 Misc: 1x, 8270D LL PAH ONLY
 ALS Vial: 9 Sample Multiplier: 1
 DataAcq Meth: LV114_BNA_ACQ.M

Quant Time: Feb 28 17:19:34 2020
 Quant Method: U:\methods\SV14_090619_PAHR7.M
 Quant Title: EPA 8270D: Semivolatile Organics
 QLast Update: Fri Dec 20 12:46:03 2019
 Response via: Initial Calibration
 InstName: SV-GCMS14

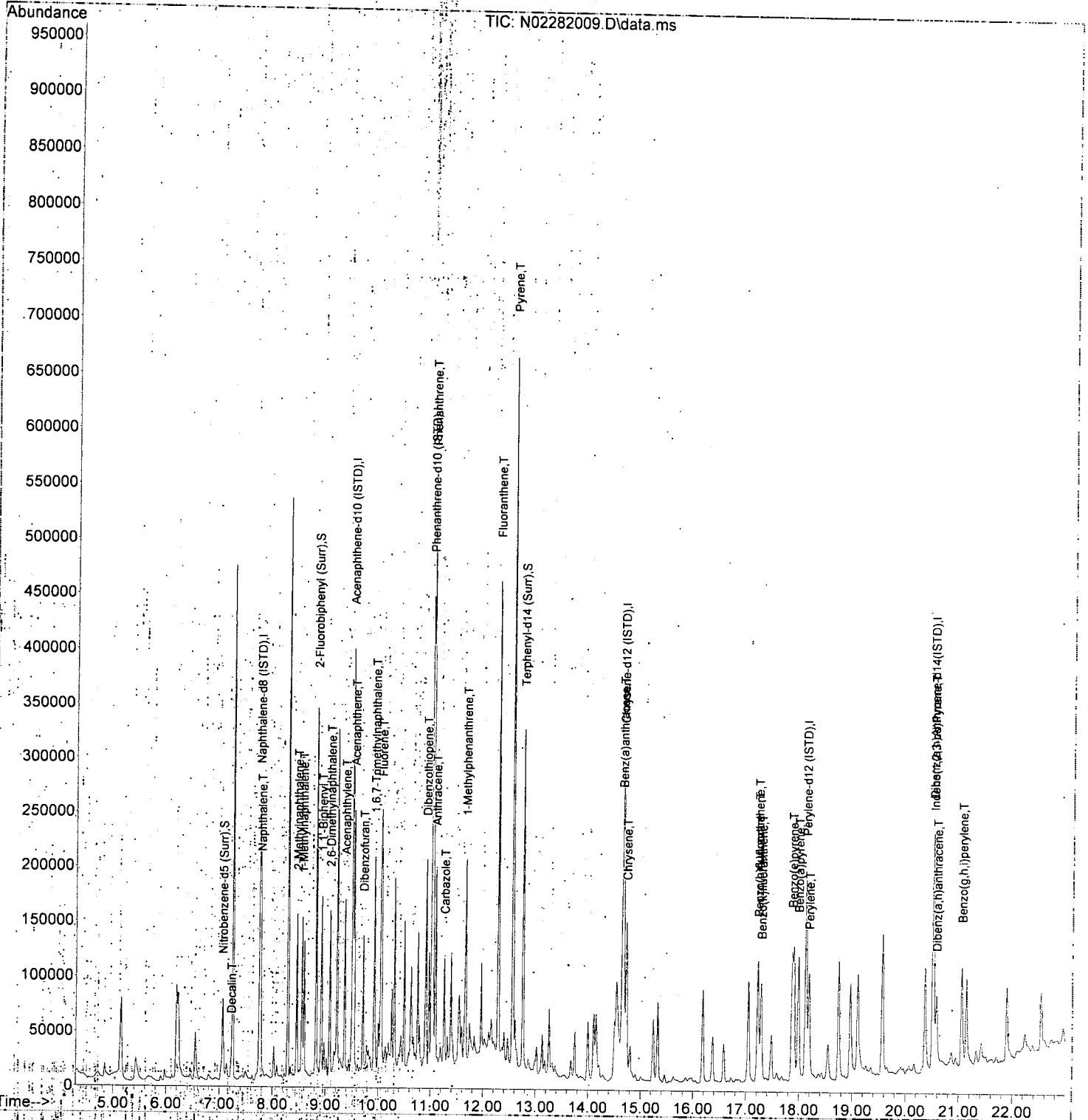
AMS
3/2/20

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	174045	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	114742	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	211529	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.662	240	175126	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	164599	100.00	ng/ml	-0.02	
37) Dibenzo(a,h)Anthracene-d	20.508	292	121252	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.056	82	51373	88.83	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.822	172	165110	96.46	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	2551	-1.00	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	185191	100.55	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	7.219	138	1907	14.72	ng/ml		94
4) Naphthalene	7.772	128	100784	52.50	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	67316	41.38	ng/ml		98
6) 1-Methylnaphthalene	8.553	142	61144	37.60	ng/ml		98
7) 1,1'-Biphenyl	8.921	154	73943	33.80	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.078	156	54427	34.06	ng/ml		99
12) Acenaphthylene	9.364	152	103392	41.51	ng/ml		99
13) Acenaphthene	9.539	153	88126	54.01	ng/ml		99
14) Dibenzofuran	9.713	168	75744	37.06	ng/ml		98
15) 1,6,7-Trimethylnaphtha	9.923	170	51597	37.71	ng/ml		98
16) Fluorene	10.057	166	83616	50.08	ng/ml		99
18) Dibenzothiopene	10.908	184	110240	49.83	ng/ml		96
19) Phenanthrene	11.036	178	281780	113.84	ng/ml		100
20) Anthracene	11.089	178	103124	44.79	ng/ml		99
21) Carbazole	11.252	167	64269	34.50	ng/ml		99
22) 1-Methylphenanthrene	11.660	192	81236	47.24	ng/ml		98
23) Fluoranthene	12.278	202	277698	111.35	ng/ml		97
25) Pyrene	12.558	202	384746	140.62	ng/ml		99
27) Benz(a)anthracene	14.644	228	107119	52.68	ng/ml		89
28) Chrysene	14.726	228	113065	58.76	ng/ml		100
30) Benzo(b)fluoranthene	17.221	252	107154	56.42	ng/ml		93
31) Benzo(k)fluoranthene	17.285	252	80623	43.11	ng/ml		94
32) Benzo(b+k)fluoranthene	17.221	252	202344	104.16	ng/ml		91
34) Benzo(e)pyrene	17.868	252	100226	52.19	ng/ml		97
35) Benzo(a)pyrene	17.984	252	99169	61.00	ng/ml		97
36) Perylene	18.182	252	88409	44.15	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.520	276	81005	54.17	ng/ml		80
39) Dibenz(a,h)anthracene	20.578	278	51061	36.34	ng/ml		85
40) Benzo(g,h,i)perylene	21.050	276	93608	59.01	ng/ml		97

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

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282009.D
 Acq On : 28 Feb 2020 01:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-MS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:34 2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-02\0B28020\
 Data File : N02282010.D
 Acq On : 28 Feb 2020 01:45 pm
 Operator : JK/AMS/DTH
 Sample : 0020865-MSD1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth: LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:37 2020
 Quant Method : U:\methods\SV14_090619_PHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

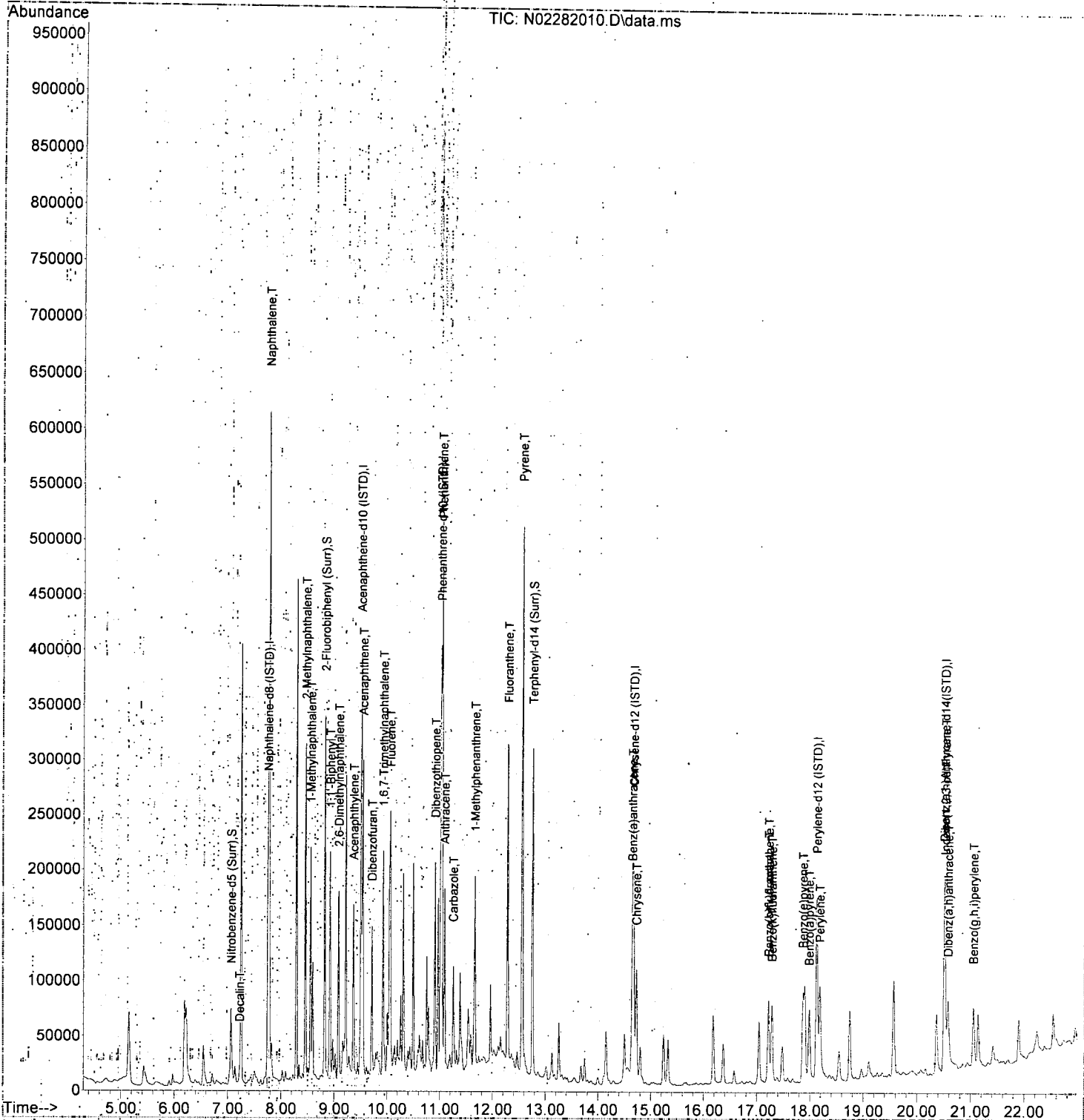
AMS
3/2/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	154969	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	113511	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	203046	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.667	240	161691	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.124	264	146934	100.00	ng/ml	-0.02	
37) Dibenz(a,h)Anthracene-d...	20.508	292	108024	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	47039	91.35	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.821	172	161193	95.19	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	2509	-1.00	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	174375	102.54	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	7.224	138	1713	14.85	ng/ml		92
4) Naphthalene	7.772	128	424642	248.45	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	133051	91.86	ng/ml		98
6) 1-Methylnaphthalene	8.553	142	86617	59.81	ng/ml		98
7) 1,1'-Biphenyl	8.920	154	91363	46.90	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.084	156	62053	43.62	ng/ml		98
12) Acenaphthylene	9.363	152	97106	39.41	ng/ml		99
13) Acenaphthene	9.538	153	104703	64.87	ng/ml		99
14) Dibenzofuran	9.713	168	79747	39.45	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	9.923	170	52817	39.02	ng/ml		98
16) Fluorene	10.057	166	90949	55.06	ng/ml		99
18) Dibenzothiopene	10.908	184	111636	52.57	ng/ml		96
19) Phenanthrene	11.036	178	254043	106.92	ng/ml		100
20) Anthracene	11.089	178	96447	43.64	ng/ml		100
21) Carbazole	11.252	167	62148	34.75	ng/ml		100
22) 1-Methylphenanthrene	11.660	192	75301	45.62	ng/ml		99
23) Fluoranthene	12.283	202	187571	78.35	ng/ml		96
25) Pyrene	12.557	202	285182	112.89	ng/ml		99
27) Benz(a)anthracene	14.644	228	77756	41.42	ng/ml		95
28) Chrysene	14.726	228	80179	45.13	ng/ml		99
30) Benzo(b)fluoranthene	17.220	252	70710	41.71	ng/ml		93
31) Benzo(k)fluoranthene	17.284	252	65737	39.38	ng/ml		93
32) Benzo(b+k)fluoranthene	17.220	252	143608	82.81	ng/ml		91
34) Benzo(e)pyrene	17.867	252	71483	41.70	ng/ml		97
35) Benzo(a)pyrene	17.984	252	58905	40.59	ng/ml		98
36) Perylene	18.182	252	72229	40.41	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.519	276	50865	38.18	ng/ml		81
39) Dibenz(a,h)anthracene	20.578	278	48749	38.94	ng/ml		85
40) Benzo(g,h,i)perylene	21.050	276	56724	40.14	ng/ml		95

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

Data Path : U:\data\2020-02\0B28020\
 Data File : N02282010.D
 Acq On : 28 Feb 2020 01:45 pm
 Operator : JK/ AMS/ DTH
 Sample : 0020865-MSD1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Feb 28 17:19:37.2020
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Calibration Data**

Sequence 9106028 (Cal ID A9I1001) SV-GCMS14



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **9I06028**

Instrument: **SV-GCMS14**

Date: **09/06/19 15:37**

Calibration: **A9I1001**

#	<u>Lab Number</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Client</u>	<u>Due</u>	<u>Batch</u>	<u>ISTD ID</u>	<u>STD ID</u>
1	9I06028-TUN1	Sediment	QC	QC			A19I102	A19H414
2	9I06028-ICB1	Sediment	QC	QC			A19I102	
3	9I06028-CAL1	Sediment	QC	QC			A19I102	A19I015
4	9I06028-CAL2	Sediment	QC	QC			A19I102	A19I016
5	9I06028-CAL3	Sediment	QC	QC			A19I102	A19I017
6	9I06028-CAL4	Sediment	QC	QC			A19I102	A19I018
7	9I06028-CAL5	Sediment	QC	QC			A19I102	A19I019
8	9I06028-CAL6	Sediment	QC	QC			A19I102	A19I020
9	9I06028-CAL7	Sediment	QC	QC			A19I102	A19I021
10	9I06028-CAL8	Sediment	QC	QC			A19I102	A19I022
11	9I06028-CAL9	Sediment	QC	QC			A19I102	A19I023
12	9I06028-CALA	Sediment	QC	QC			A19I102	A19I024
13	9I06028-IBL1	Sediment	QC	QC			A19I102	
14	9I06028-ICV1	Sediment	QC	QC			A19I102	A19I025
15	9I06028-IBL2	Sediment	QC	QC			A19I102	

Data Entered By: *JD 9/10/19*

Comments:

Data Reviewed By: *MKT 9/10/19*

Calibration Status Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Sep 09 14:58:53 2019
 Response Via : Initial Calibration

A 9 ± 1001
PH 9/9/19

#	ID	Conc	ISTD Conc	Path\File
1	1.0	1	100	N:\data\2019-09\9I06028\N09061913.D
2	2.5	3	100	N:\data\2019-09\9I06028\N09061914.D
3	5.0	5	100	N:\data\2019-09\9I06028\N09061915.D
4	10.0	10	100	N:\data\2019-09\9I06028\N09061916.D
5	25.0	25	100	N:\data\2019-09\9I06028\N09061917.D
6	50.0	50	100	N:\data\2019-09\9I06028\N09061918.D
7	100	100	100	N:\data\2019-09\9I06028\N09061919.D
8	200	200	100	N:\data\2019-09\9I06028\N09061920.D
9	300	300	100	N:\data\2019-09\9I06028\N09061921.D
10	400	400	100	N:\data\2019-09\9I06028\N09061922.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1.0	Sep 09 14:58 2019	Sep 09 14:46 2019	06 Sep 2019 04:51 pm
2	2.5	Sep 09 14:58 2019	Sep 09 14:46 2019	06 Sep 2019 05:23 pm
3	5.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 05:55 pm
4	10.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 06:27 pm
5	25.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 07:00 pm
6	50.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 07:32 pm
7	100	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 08:04 pm
8	200	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 08:37 pm
9	300	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 09:09 pm
10	400	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 09:41 pm

SV14_090619_PAH.M Mon Sep 09 15:05:37 2019

Compound List Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Sep 09 14:58:53 2019
 Response Via : Initial Calibration

JM 9/9/19

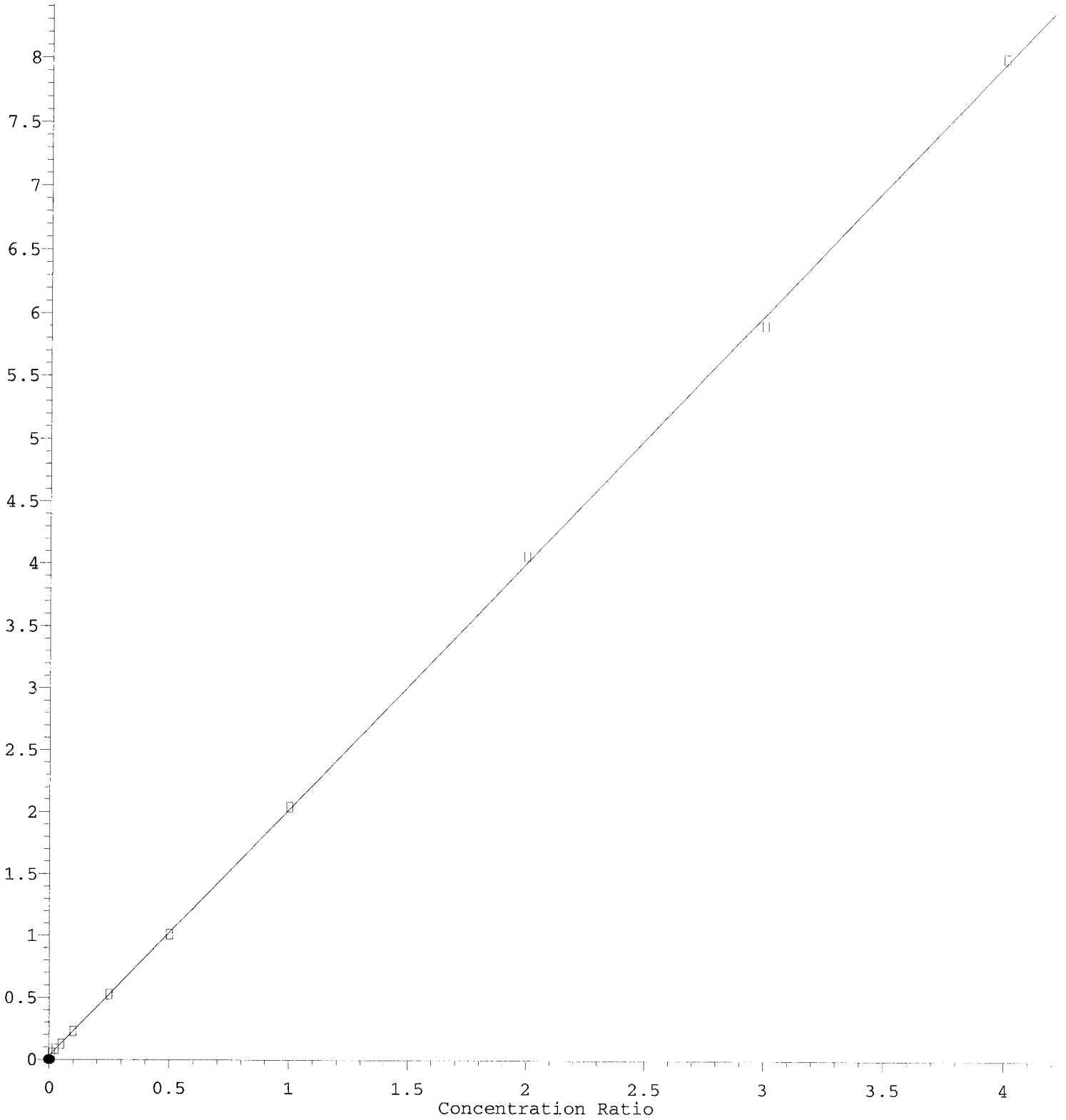
Total Cpnds : 40

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Naphthalene-d8 (ISTD)	136	7.883	1.000	A	2	A	B
2	S	Nitrobenzene-d5 (Surr)	82	7.184	0.911	A	1	A	R
3	T	Decalin	138	7.364	0.934	A	2	A	B
4	T	Naphthalene	128	7.907	1.003	A	2	A	R
5	T	2-Methylnaphthalene	142	8.589	1.089	A	2	A	R
6	T	1-Methylnaphthalene	142	8.688	1.102	A	2	A	R
7	T	1,1'-Biphenyl	154	9.055	1.149	A	2	A	B
8	T	2,6-Dimethylnaphthalene	156	9.212	1.169	A	2	A	R
9	I	Acenaphthene-d10 (ISTD)	162	9.638	1.000	A	2	A	R
10	S	2-Fluorobiphenyl (Surr)	172	8.950	0.929	A	2	A	R
11	S	Acenaphthylene d-8 (Surr)	160	9.480	0.984	Q	2	A	R
12	T	Acenaphthylene	152	9.498	0.985	A	2	A	R
13	T	Acenaphthene	153	9.673	1.004	A	2	A	R
14	T	Dibenzofuran	168	9.848	1.022	A	2	A	R
15	T	1,6,7-Trimethylnaphthalene	170	10.057	1.044	A	2	A	R
16	T	Fluorene	166	10.191	1.057	A	2	A	R
17	I	Phenanthrene-d10 (ISTD)	188	11.147	1.000	A	2	A	R
18	T	Dibenzothiopene	184	11.042	0.991	A	3	A	R
19	T	Phenanthrene	178	11.171	1.002	A	2	A	R
20	T	Anthracene	178	11.223	1.007	A	2	A	R
21	T	Carbazole	167	11.390	1.022	A	2	A	R
22	T	1-Methylphenanthrene	192	11.794	1.058	A	2	A	R
23	T	Fluoranthene	202	12.435	1.116	A	2	A	R
24	I	Chrysene-d12 (ISTD)	240	14.906	1.000	A	2	A	R
25	T	Pyrene	202	12.721	0.853	A	2	A	R
26	S	Terphenyl-d14 (Surr)	244	12.930	0.867	A	2	A	R
27	T	Benz(a)anthracene	228	14.883	0.998	A	2	A	R
28	T	Chrysene	228	14.965	1.004	A	2	A	R
29	I	Perylene-d12 (ISTD)	264	18.374	1.000	A	2	A	R
30	T	Benzo(b)fluoranthene	252	17.465	0.951	A	2	A	R
31	T	Benzo(k)fluoranthene	252	17.529	0.954	A	2	A	R
32	T	Benzo(b+k)fluoranthene	252	17.529	0.954	A	2	A	R
33	S	Benzo(a)pyrene d-12 (Surr)	264	18.176	0.989	A	2	A	B
34	T	Benzo(e)pyrene	252	18.118	0.986	A	2	A	R
35	T	Benzo(a)pyrene	252	18.234	0.992	A	2	A	R
36	T	Perylene	252	18.433	1.003	A	2	A	R
37	I	Dibenz(a,h)Anthracene-d14 (ISTD)	292	20.764	1.000	A	2	A	R
38	T	Indeno(1,2,3-cd)Pyrene	276	20.758	1.000	A	2	A	R
39	T	Dibenz(a,h)anthracene	278	20.828	1.003	A	2	A	R
40	T	Benzo(g,h,i)perylene	276	21.294	1.026	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
 #Qual = number of qualifiers
 A/H = Area or Height
 ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

Acenaphthylene d-8 (Surr)

Response Ratio



$R = -2.27e-003 A^2 + 2.00e+000 A + 2.92e-002$

Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)

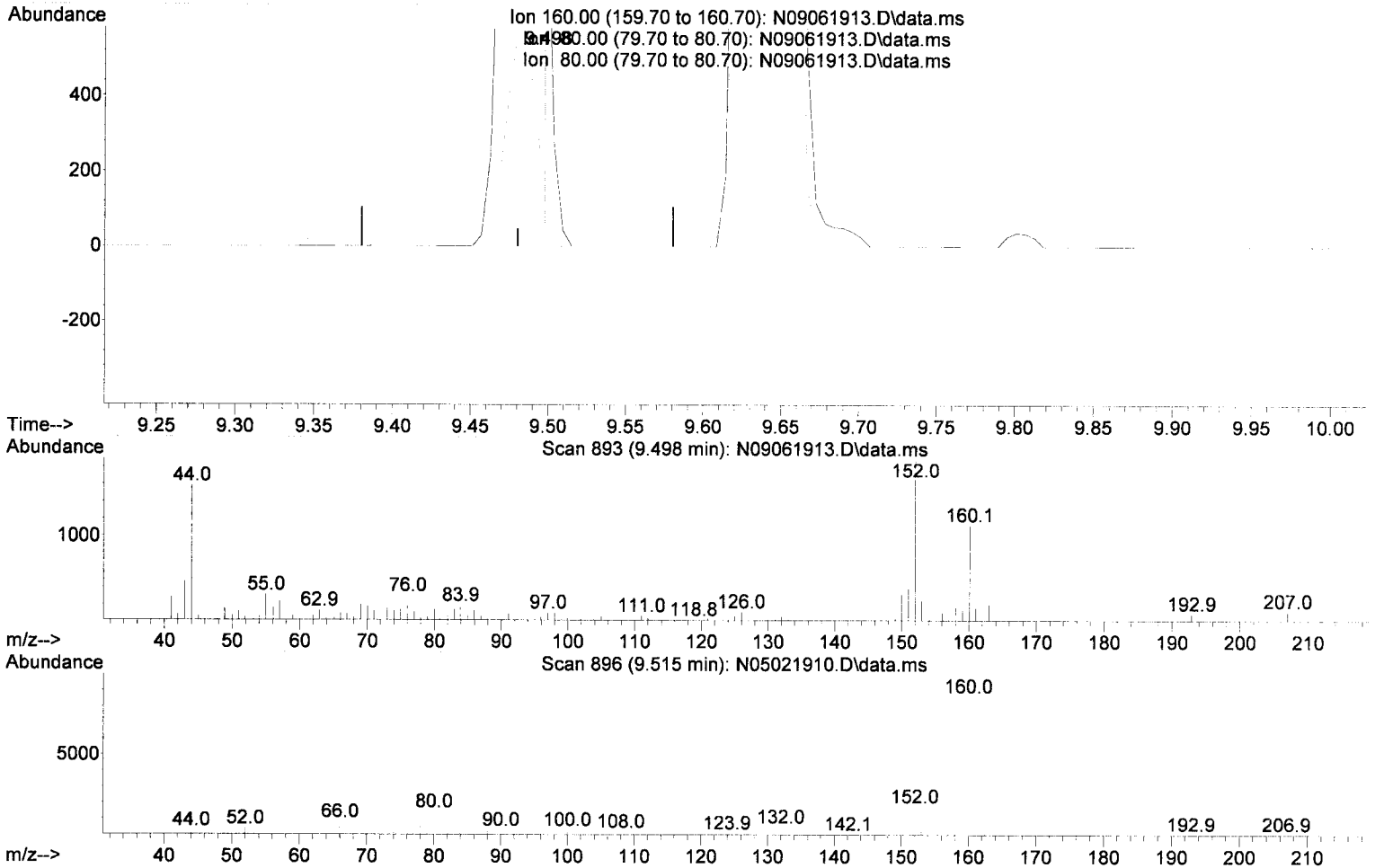
Method Name: N:\methods\SWP_090619_Plan_116_Case9_PierP_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 1107 of 1165

Calibration Table Last Updated: Mon Sep 09 15:00:15 2019

Quantitation Report (Qedit)

Data Path : N:\data\2019-09\9I06028\REQUANT\
 Data File : N09061913.D
 Acq On : 06 Sep 2019 04:51 pm
 Operator :
 Sample : 9I06028-CAL1
 Misc : 1x, A19I015@1
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 15:06:04 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N09061913.D\data.ms

(11) Acenaphthylene d-8 (Surr) (S)

9.498min (+ 0.017) -1.00 ng/ml m

response 111

Ion	Exp%	Act%
160.00	100.00	100.00
80.00	14.40	12.44
80.00	14.40	12.44
0.00	0.00	0.00

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Sep 09 14:58:53 2019
 Response Via : Initial Calibration

9/9/19

Calibration Files

1.0 =N09061913.D 2.5 =N09061914.D 5.0 =N09061915.D 10.0=N09061916.D 25.0=N09061917.D 50.0=N09061918.D 100 =N09061919.D
 200 =N09061920.D 300 =N09061921.D 400 =N09061922.D

Compound	1.0	2.5	5.0	10.0	25.0	50.0	100	200	300	400	Avg	%RSD	
1) I Naphthalene-d8 (ISTD)	-----ISTD-----												
2) S Nitrobenzene-d...	0.391	0.340	0.316	0.315	0.306	0.324	0.323	0.334	0.338	0.337	0.332	7.09	<i>Not used</i>
3) T Decalin		0.076	0.070	0.069	0.070	0.075	0.077	0.077	0.075	0.081	0.074	5.47	<i>Not used</i>
4) T Naphthalene	1.158	1.135	1.098	1.123	1.090	1.083	1.082	1.092	1.078	1.090	1.103	2.42	✓
5) T 2-Methylnaphth...	0.893	0.907	0.881	0.886	0.895	0.941	0.965	1.001	1.001	0.975	0.935	5.16	✓
6) T 1-Methylnaphth...	0.821	0.875	0.837	0.916	0.923	0.964	0.986	1.025	1.016	0.981	0.934	7.70	✓
7) T 1,1'-Biphenyl	1.222	1.201	1.123	1.186	1.195	1.259	1.326	1.389	1.390	1.279	1.257	7.10	<i>Not used</i>
8) T 2,6-Dimethylna...	0.823	0.850	0.815	0.851	0.892	0.943	0.994	1.034	1.033	0.946	0.918	9.12	<i>Not used</i>
9) I Acenaphthene-d10 (...)	-----ISTD-----												
10) S 2-Fluorobiphen...	1.424	1.562	1.481	1.499	1.500	1.482	1.499	1.496	1.477	1.498	1.492	2.26	✓
11) S Acenaphthylene...	4.877	3.301	2.497	2.282	2.108	2.021	2.043	2.031	1.970	2.004	2.513	36.74	<i>Not used (Surrogate)</i>
12) T Acenaphthylene	2.050	2.174	2.139	2.171	2.195	2.172	2.248	2.243	2.161	2.158	2.171	2.55	✓
13) T Acenaphthene	1.439	1.487	1.404	1.417	1.419	1.394	1.443	1.431	1.388	1.396	1.422	2.10	✓
14) T Dibenzofuran	1.760	1.773	1.736	1.780	1.790	1.777	1.831	1.827	1.771	1.765	1.781	1.63	✓
15) T 1,6,7-Trimethy...	1.249	1.207	1.173	1.178	1.169	1.168	1.213	1.212	1.178	1.178	1.193	2.23	<i>Not used</i>
16) T Fluorene	1.369	1.405	1.409	1.422	1.461	1.447	1.526	1.545	1.493	1.476	1.455	3.85	✓
17) I Phenanthrene-d10 (...)	-----ISTD-----												
18) T Dibenzothiopene	1.030	1.080	1.056	1.038	1.030	1.033	1.050	1.056	1.042	1.043	1.046	1.46	<i>Not used</i>
19) T Phenanthrene	1.287	1.194	1.137	1.165	1.154	1.152	1.158	1.178	1.134	1.143	1.170	3.85	✓
20) T Anthracene	1.097	1.089	1.049	1.062	1.069	1.076	1.110	1.115	1.102	1.115	1.088	2.16	✓
21) T Carbazole	0.872	0.830	0.810	0.818	0.866	0.871	0.905	0.945	0.940	0.950	0.881	5.99	✓
22) T 1-Methylphenan...	0.803	0.804	0.781	0.794	0.802	0.805	0.824	0.842	0.826	0.847	0.813	2.60	<i>Not used</i>
23) T Fluoranthene	1.194	1.127	1.104	1.124	1.162	1.171	1.202	1.227	1.218	1.261	1.179	4.30	✓
24) I Chrysene-d12 (ISTD)	-----ISTD-----												
25) T Pyrene	1.634	1.742	1.585	1.636	1.580	1.571	1.560	1.478	1.416	1.421	1.562	6.48	✓
26) S Terphenyl-d14 ...	1.150	1.092	1.037	1.058	1.060	1.046	1.049	1.021	0.993	1.012	1.052	4.22	✓
27) T Benz(a)anthracene	1.394	1.221	1.088	1.093	1.114	1.098	1.142	1.149	1.139	1.173	1.161	7.87	✓
28) T Chrysene	1.134	1.107	1.087	1.087	1.098	1.082	1.095	1.103	1.080	1.114	1.099	1.52	✓
29) I Perylene-d12 (ISTD)	-----ISTD-----												
30) T Benzo(b)fluora...	1.117	1.085	1.065	1.092	1.128	1.164	1.194	1.231	1.217	1.246	1.154	5.68	✓
31) T Benzo(k)fluora...	1.067	1.082	1.086	1.036	1.128	1.118	1.196	1.221	1.198	1.228	1.136	6.13	✓
32) T Benzo(b+k)fluo...	2.224	2.236	2.233	2.230	2.344	2.357	2.457	2.518	2.473	2.532	2.361	5.36	✓
33) S Benzo(a)pyrene...	0.639	0.751	0.745	0.759	0.782	0.808	0.845	0.885	0.880	0.902	0.800	10.15	<i>Not used (Surrogate)</i>
34) T Benzo(e)pyrene	1.244	1.173	1.075	1.091	1.139	1.151	1.184	1.213	1.188	1.210	1.167	4.61	<i>Not used</i>
35) T Benzo(a)pyrene	0.983	0.860	0.859	0.902	0.977	1.004	1.043	1.085	1.068	1.095	0.988	9.00	✓
36) T Perylene	1.038	1.226	1.199	1.189	1.232	1.218	1.248	1.282	1.254	1.278	1.216	5.74	<i>Not used</i>

6.92
2.97
5.33
15.52
18.95

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics

37)	I	Dibenz(a,h)Anthrce...																
38)	T	Indeno(1,2,3-c...	1.208	1.280	1.185	1.191	1.192	1.223	1.260	1.262	1.249	1.283	1.233					3.08'
39)	T	Dibenz(a,h)ant...	1.173	1.144	1.121	1.116	1.120	1.144	1.178	1.194	1.182	1.217	1.159					3.01'
40)	T	Benzo(g,h,i)pe...	1.245	1.185	1.241	1.251	1.289	1.328	1.388	1.395	1.368	1.394	1.308					5.85'

21.60 21.60 9/10/19

(#) = Out of Range

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9I06028

Analysis Included

8270D LL PAH Only (Scan)

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>	
9I06028-TUN1	MS Tune	Sediment	A19H414	A19I102	9/6/2019	3:51:00PM
9I06028-ICB1	Initial Cal Blank	Sediment		A19I102	9/6/2019	4:18:00PM
9I06028-CAL1	Cal Standard	Sediment	A19I015	"	9/6/2019	4:51:00PM
9I06028-CAL2	Cal Standard	Sediment	A19I016	"	9/6/2019	5:23:00PM
9I06028-CAL3	Cal Standard	Sediment	A19I017	"	9/6/2019	5:55:00PM
9I06028-CAL4	Cal Standard	Sediment	A19I018	"	9/6/2019	6:27:00PM
9I06028-CAL5	Cal Standard	Sediment	A19I019	"	9/6/2019	7:00:00PM
9I06028-CAL6	Cal Standard	Sediment	A19I020	"	9/6/2019	7:32:00PM
9I06028-CAL7	Cal Standard	Sediment	A19I021	"	9/6/2019	8:04:00PM
9I06028-CAL8	Cal Standard	Sediment	A19I022	"	9/6/2019	8:37:00PM
9I06028-CAL9	Cal Standard	Sediment	A19I023	"	9/6/2019	9:09:00PM
9I06028-CALA	Cal Standard	Sediment	A19I024	"	9/6/2019	9:41:00PM
9I06028-ICV1	Initial Cal Check	Sediment	A19I025	"	9/6/2019	10:45:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A9I1001**

Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan)

Sequence: **9I06028**

Matrix: **Sediment**

	<u>Inst. MRL</u>	<u>Recalc Res.</u>	<u>Cal Level</u>	<u>%Rec.</u>	<u>Qual</u>
9I06028-CAL1					
9I06028-CAL2					
9I06028-CAL3					
9I06028-CAL4					
9I06028-CAL5					
9I06028-CAL6					
9I06028-CAL7					
9I06028-CAL8					
9I06028-CAL9					
9I06028-CALA					

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadratic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9I06028

Analytes With Quadratic Curve Fits

<u>Qualifier</u>	<u>iMDL</u>	<u>iMRL</u>	<u>Spike Amt</u>	<u>%Difference</u>	<u>OK?</u>	<u>Raise MRL to ?</u>
				_____	□	□ _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A9I1001**

Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan)

Sequence: **9I06028**

Matrix: **Sediment**

9I06028-ICV1

Inst. MRL

ICV Level

Result

%Rec.

Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 10 10:28:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 9/10/19

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	123	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	46.212	7.6	116	0.00
3 T	Decalin	50.000	48.753	2.5	118	0.00
4 T	Naphthalene	50.000	49.942	0.1	125	0.00
5 T	2-Methylnaphthalene	50.000	46.827	6.3	114	0.00
6 T	1-Methylnaphthalene	50.000	47.766	4.5	113	0.00
7 T	1,1'-Biphenyl	50.000	46.341	7.3	113	0.00
8 T	2,6-Dimethylnaphthalene	50.000	45.797	8.4	109	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	106	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	49.669	0.7	106	0.00
11 S	Acenaphthylene d-8 (Surr)	50.000	49.308	1.4	106	0.00
12 T	Acenaphthylene	50.000	51.950	-3.9	110	0.00
13 T	Acenaphthene	50.000	50.335	-0.7	109	0.00
14 T	Dibenzofuran	50.000	50.914	-1.8	108	0.00
15 T	1,6,7-Trimethylnaphthalene	50.000	50.151	-0.3	109	0.00
16 T	Fluorene	50.000	50.867	-1.7	109	0.00
17 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	107	0.00
18 T	Dibenzothiopene	50.000	49.794	0.4	108	0.00
19 T	Phenanthrene	50.000	50.398	-0.8	110	0.00
20 T	Anthracene	50.000	51.792	-3.6	112	0.00
21 T	Carbazole	50.000	50.683	-1.4	110	-0.02
22 T	1-Methylphenanthrene	50.000	51.441	-2.9	111	0.00
23 T	Fluoranthene	50.000	50.556	-1.1	109	0.00
24 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	111	0.00
25 T	Pyrene	50.000	49.139	1.7	109	0.00
26 S	Terphenyl-d14 (Surr)	50.000	48.699	2.6	109	0.00
27 T	Benzo(a)anthracene	50.000	48.477	3.0	114	0.00
28 T	Chrysene	50.000	52.375	-4.8	118	0.00
29 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	114	0.00
30 T	Benzo(b)fluoranthene	50.000	50.587	-1.2	115	0.00
31 T	Benzo(k)fluoranthene	50.000	49.972	0.1	116	0.00
32 T	Benzo(b+k)fluoranthene	100.000	100.734	-0.7	115	0.00
33 S	Benzo(a)pyrene d-12 (Surr)	50.000	53.210	-6.4	120	0.00
34 T	Benzo(e)pyrene	50.000	50.277	-0.6	117	0.00
35 T	Benzo(a)pyrene	50.000	51.177	-2.4	115	0.00
36 T	Perylene	50.000	50.891	-1.8	116	0.00
37 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	117	0.00
38 T	Indeno(1,2,3-cd)Pyrene	50.000	49.977	0.0	118	0.00
39 T	Dibenz(a,h)anthracene	50.000	49.339	1.3	117	0.00
40 T	Benzo(g,h,i)perylene	50.000	53.580	-7.2	123	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061911.D
 Acq On : 06 Sep 2019 03:51 pm
 Operator :
 Sample : 9I06028-TUN1
 Misc : 1x, A19H414 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Sep 05 08:50:46 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Qd 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.613	150	163761	2.00	ug/mL	# 0.00
2) Naphthalene-d8	7.825	136	486548	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.585	162	255378	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.101	188	470705	2.00	ug/mL	0.00
11) Chrysene-d12	14.779	240	413133	2.00	ug/mL	# 0.00
12) Perylene-d12	16.830	264	372325	2.00	ug/mL	# 0.00
13) Dibenz(a,h)anthracene-...	18.060	292	295670	2.00	ug/mL	0.00
Target Compounds						
4) Pentachlorophenol	10.920	266	1134816	47.06	ug/mL	Qvalue 93
6) DFTPP	11.404	442	1326743	34.91	ug/mL	90
7) Benzidine	12.558	184	4304187	25.70	ug/mL	97
8) 4,4-DDE	12.808	TIC	375170	No Calib		
9) 4,4-DDD	13.310	TIC	188617	No Calib		
10) 4,4-DDT	13.869	TIC	15944082	33.03	ug/mL	98

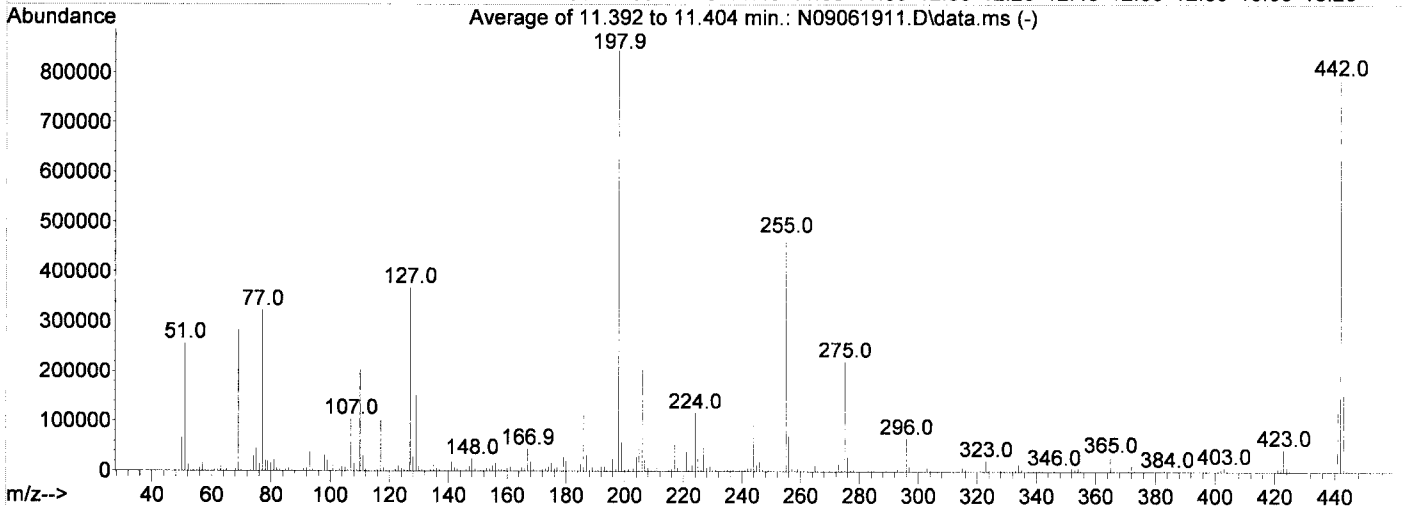
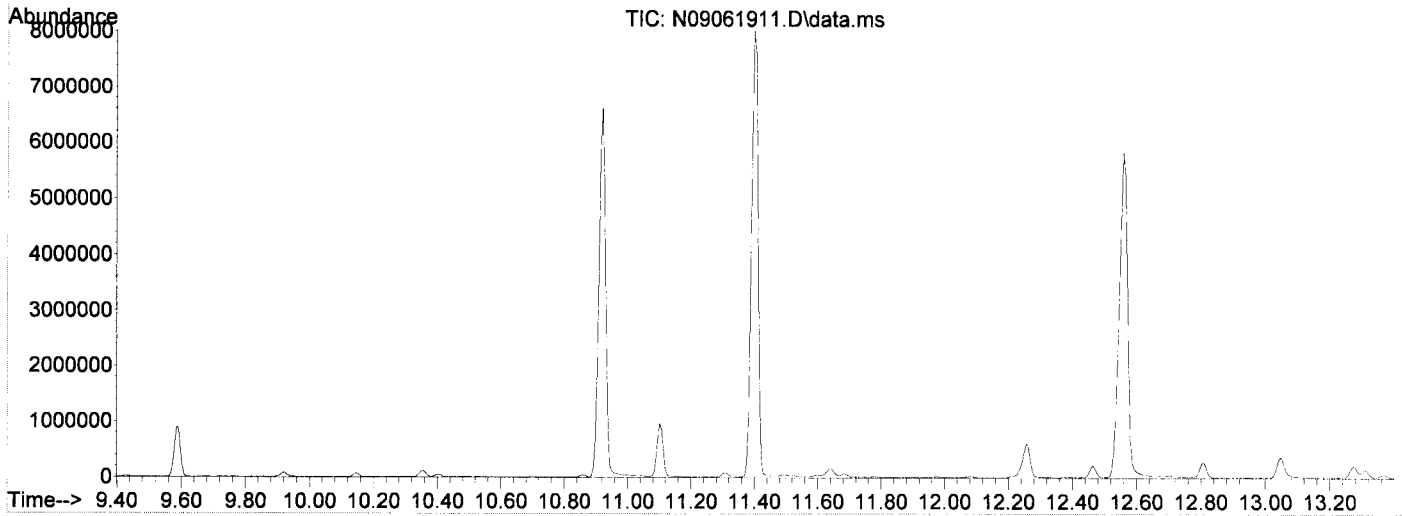
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061911.D
 Acq On : 06 Sep 2019 03:51 pm
 Operator :
 Sample : 9I06028-TUN1
 Misc : 1x, A19H414 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : N:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Thu Sep 05 08:50:46 2019

9/9/19



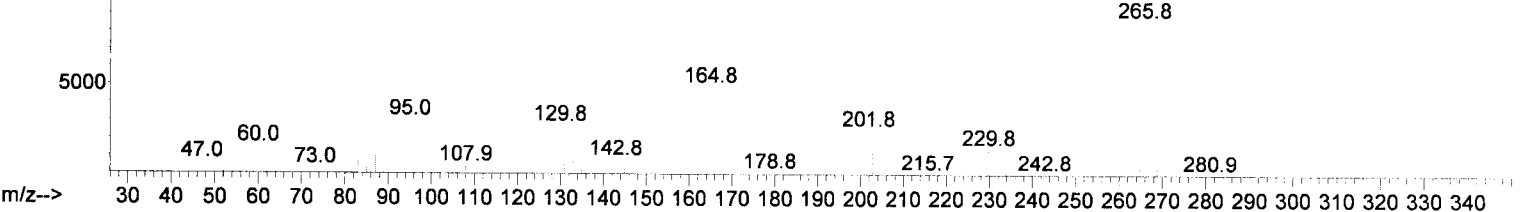
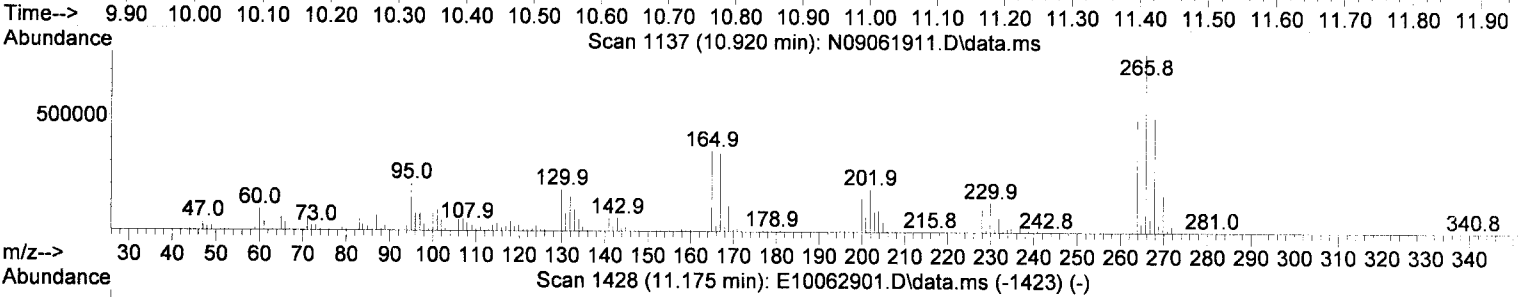
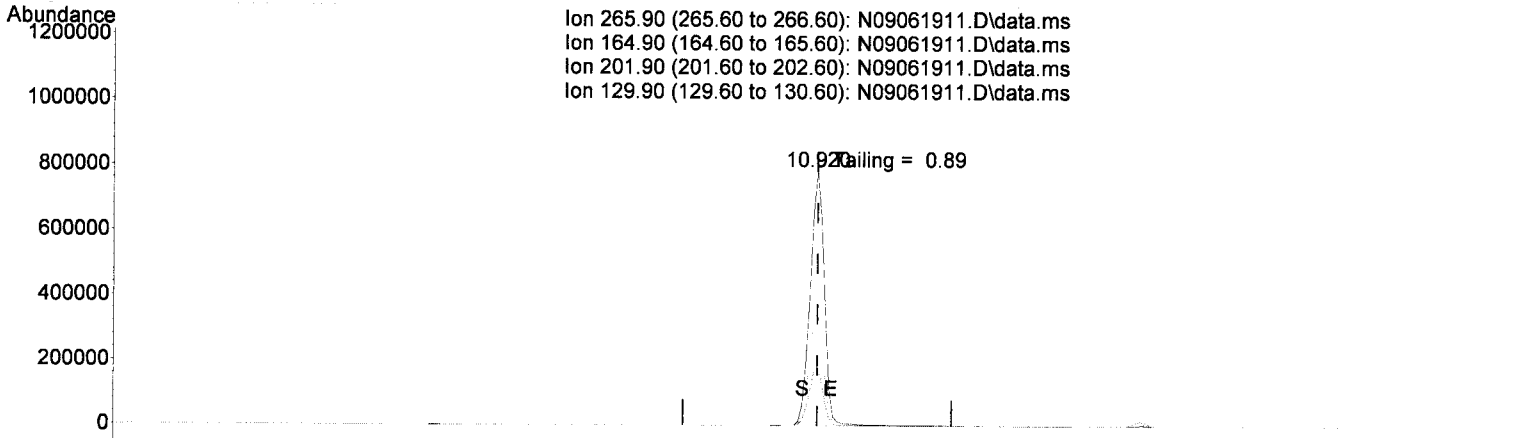
AutoFind: Scans 1218, 1219, 1220; Background Corrected with Scan 1212

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	4348	PASS
69	69	100	100	100.0	283608	PASS
70	69	0.00	2	0.5	1319	PASS
197	198	0.00	2	0.5	4054	PASS
198	198	100	100	100.0	845182	PASS
199	198	5	9	6.9	57976	PASS
365	198	1	100	3.6	30576	PASS
441	443	0.01	150	78.0	120320	PASS
442	198	0.10	200	93.1	787179	PASS
443	442	15	24	19.6	154213	PASS

Quantitation Report (Qedit)

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061911.D
 Acq On : 06 Sep 2019 03:51 pm
 Operator :
 Sample : 9I06028-TUN1
 Misc : 1x, A19H414 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Sep 05 08:50:46 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N09061911.D\data.ms

(4) Pentachlorophenol

10.920min (+ 0.000) 47.06 ug/mL

response 1134816

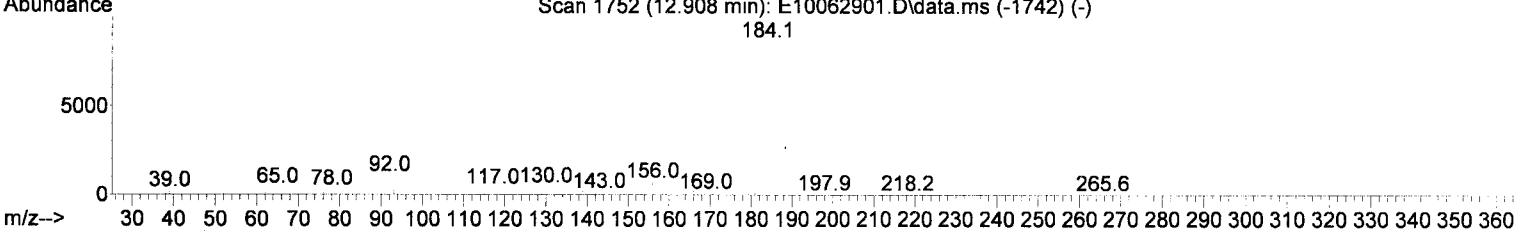
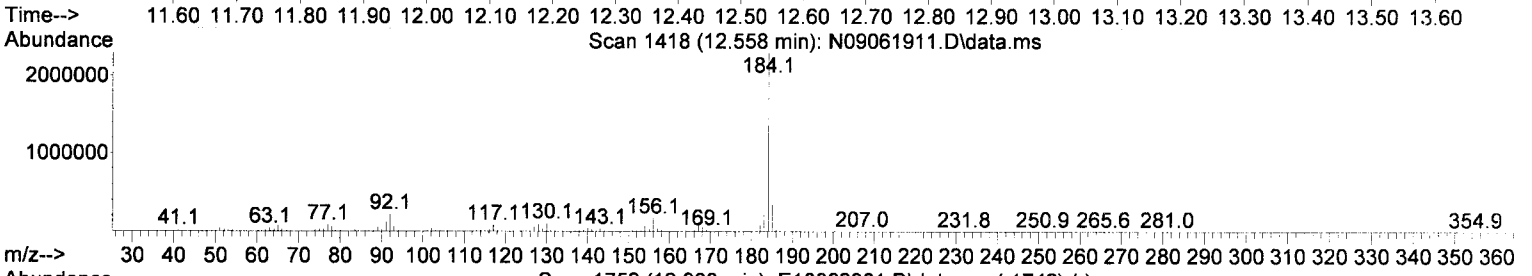
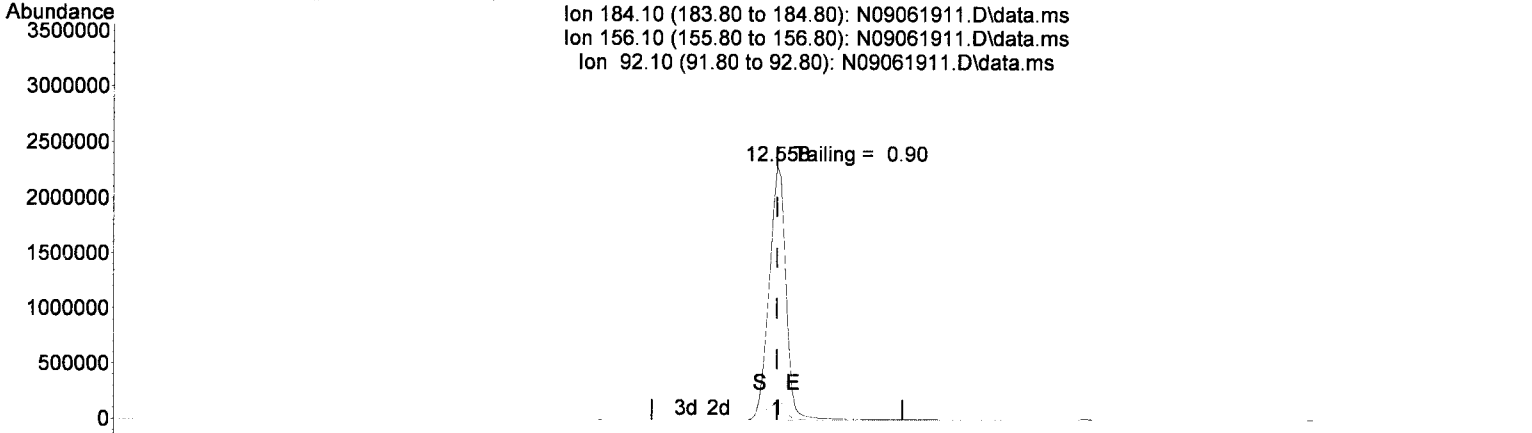
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	44.95
201.90	25.80	23.85
129.90	27.30	23.19

Handwritten signature and date: 9/9/19

Quantitation Report (Qedit)

Data Path : N:\data\2019-09\9I06028\
Data File : N09061911.D
Acq On : 06 Sep 2019 03:51 pm
Operator :
Sample : 9I06028-TUN1
Misc : 1x, A19H414 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
Quant Method : N:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Sep 05 08:50:46 2019
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N09061911.D\data.ms

(7) Benzidine

12.558min (+ 0.000) 25.70 ug/mL

response 4304187

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.39
92.10	8.20	9.56
0.00	0.00	0.00

Handwritten signature and date: 9/9/19

DDT Breakdown Check (Validated 5/1/2013)

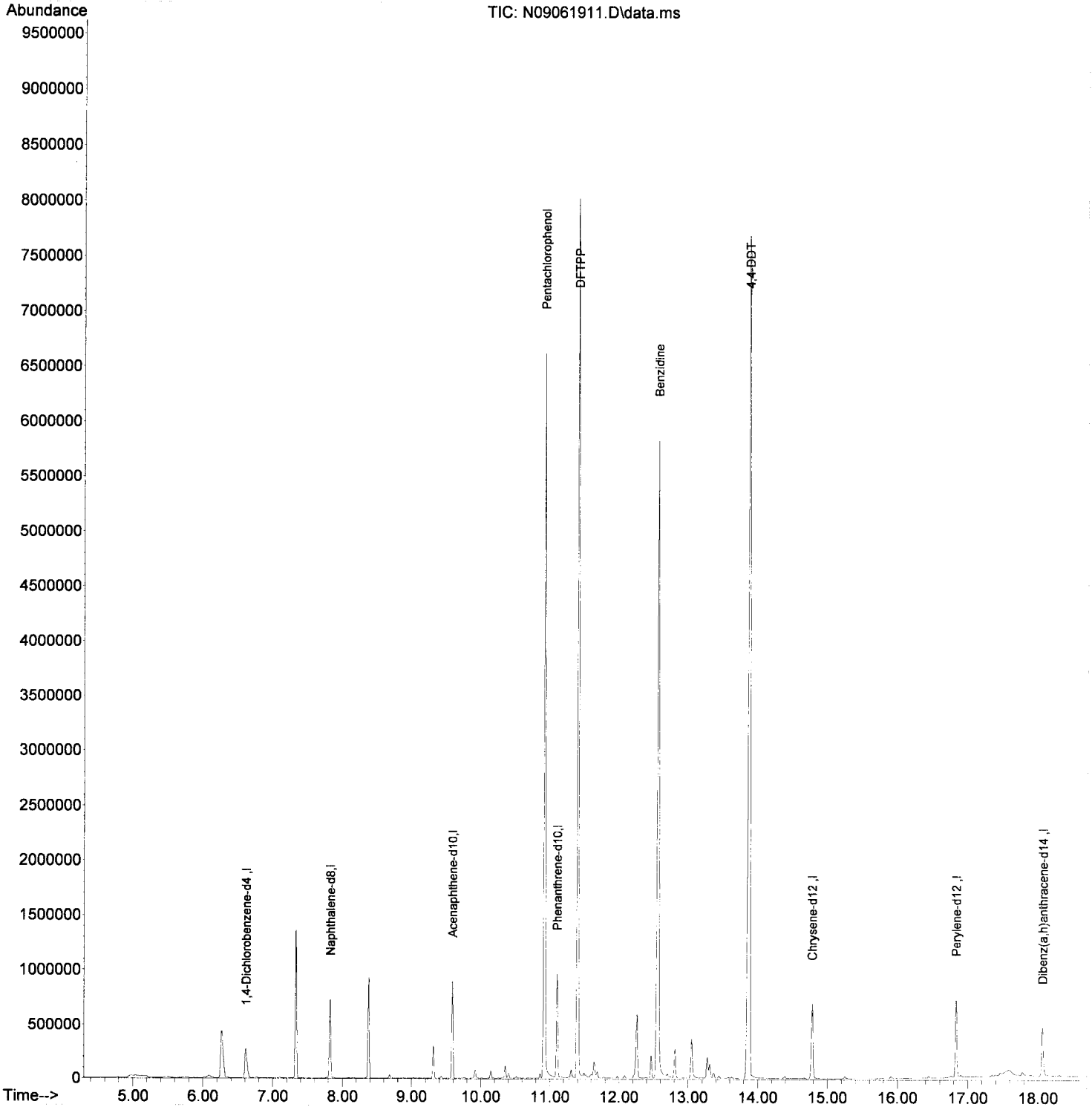
From:
9I06028-TUN1
SV-GCMS14

First Column Area Counts	Percent Breakdown	
DDE 375170		✓
DDD 188617		
DDT 15944082	3.42	PASS

Breakdown must be less than 20% to accept sample data.

Data Path : N:\data\2019-09\9I06028\
Data File : N09061911.D
Acq On : 06 Sep 2019 03:51 pm
Operator :
Sample : 9I06028-TUN1
Misc : 1x, A19H414 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
Quant Method : N:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Sep 05 08:50:46 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061912.D
 Acq On : 06 Sep 2019 04:18 pm
 Operator :
 Sample : 9I06028-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:43 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

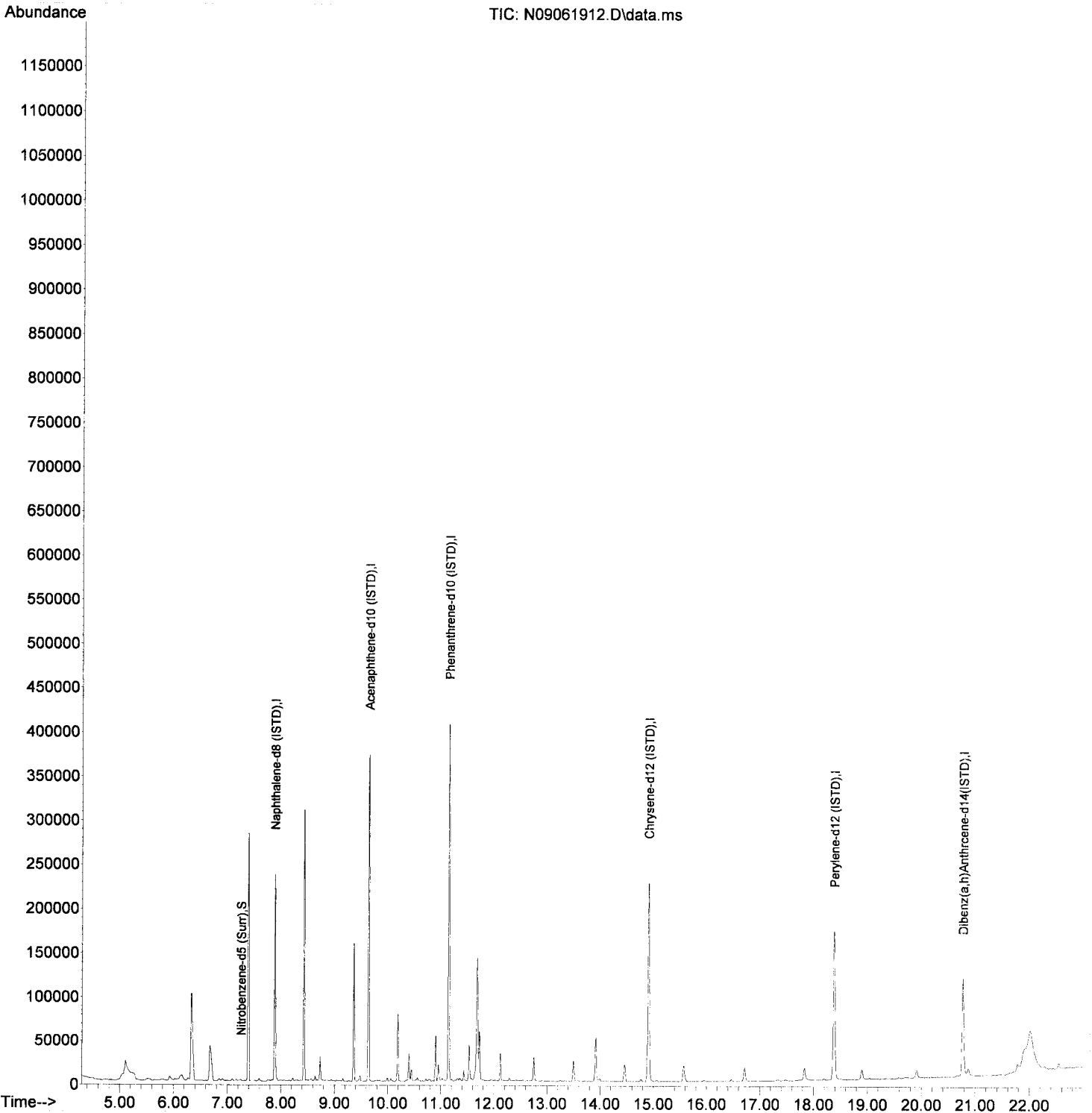
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	153621	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	109411	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	203705	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	156122	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	131660	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.765	292	95634	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.254	82	241	0.47	ng/ml	0.07	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.486	160	3573	0.17	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	228	0.14	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.907	128	157	N.D.			
5) 2-Methylnaphthalene	0.000		0	N.D.			
6) 1-Methylnaphthalene	0.000		0	N.D.			
7) 1,1'-Biphenyl	0.000		0	N.D.			
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.			
12) Acenaphthylene	9.498	152	86	N.D.			
13) Acenaphthene	0.000		0	N.D.			
14) Dibenzofuran	0.000		0	N.D.			
15) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.			
16) Fluorene	0.000		0	N.D.			
18) Dibenzothiopene	11.042	184	87	N.D.			
19) Phenanthrene	11.171	178	288	N.D.			
20) Anthracene	11.223	178	75	N.D.			
21) Carbazole	11.380	167	333	No Calib			
22) 1-Methylphenanthrene	11.800	192	131	N.D.			
23) Fluoranthene	12.435	202	251	N.D.			
25) Pyrene	12.727	202	195	N.D.			
27) Benz(a)anthracene	14.901	228	646	N.D.			
28) Chrysene	14.965	228	290	N.D.			
30) Benzo(b)fluoranthene	17.466	252	208	N.D.			
31) Benzo(k)fluoranthene	17.524	252	168	N.D.			
32) Benzo(e+k)fluoranthene	17.524	252	168	N.D.			
34) Benzo(e)pyrene	18.113	252	178	N.D.			
35) Benzo(a)pyrene	0.000		0	N.D.			
36) Perylene	18.439	252	178	N.D.			
38) Indeno(1,2,3-cd)Pyrene	20.770	276	158	N.D.			
39) Dibenz(a,h)anthracene	20.834	278	121	N.D.			
40) Benzo(g,h,i)perylene	21.301	276	89	N.D.			

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

Data Path : N:\data\2019-09\9I06028\
Data File : N09061912.D
Acq On : 06 Sep 2019 04:18 pm
Operator :
Sample : 9I06028-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:43 2019
Quant Method : N:\methods\SV14_090619_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Sep 09 10:14:28 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061912.D
 Acq On : 06 Sep 2019 04:18 pm
 Operator :
 Sample : 9I06028-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Sep 10 10:28:34 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

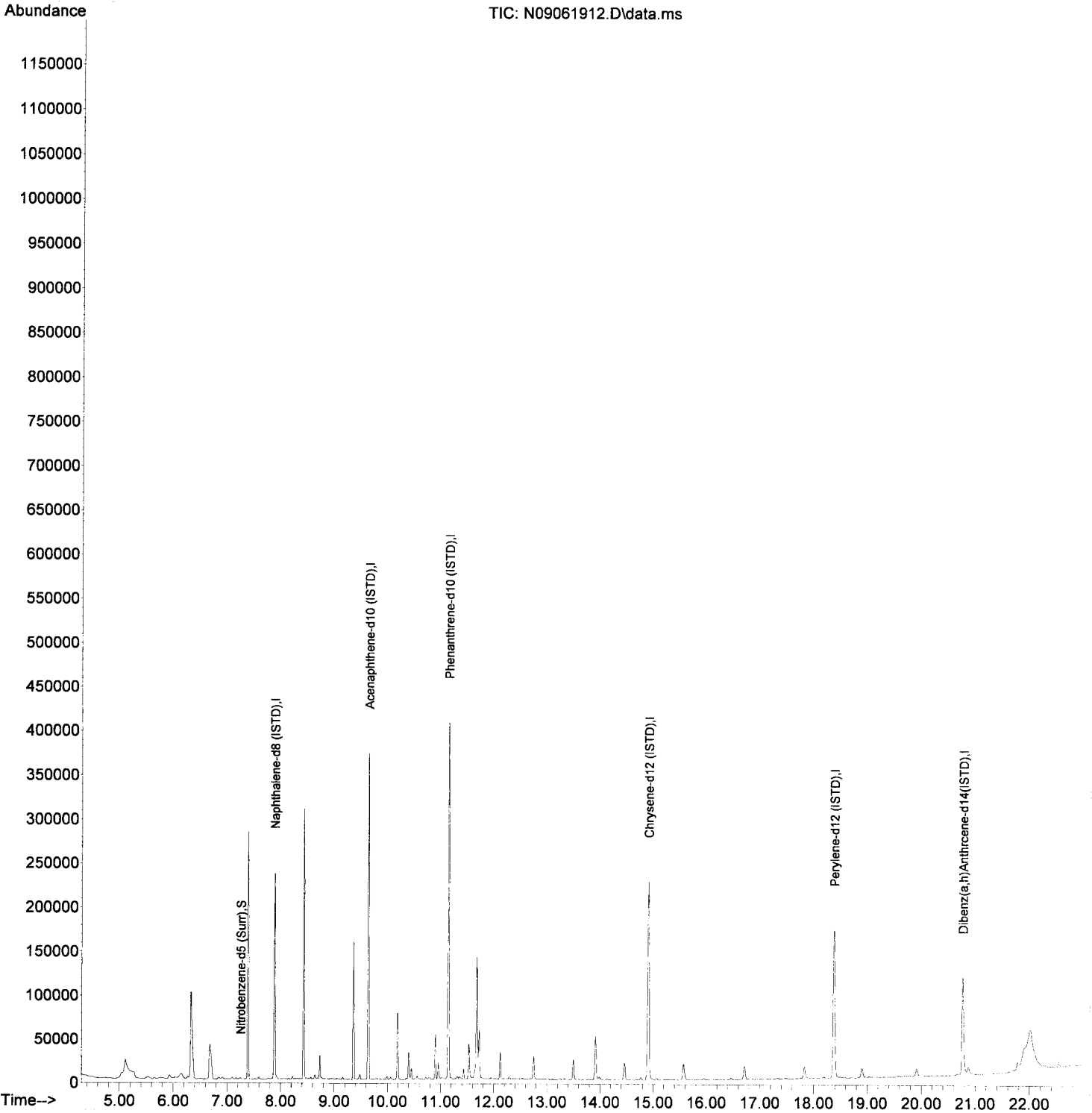
9/10/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	153621	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	109411	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	203705	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	156122	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	131660	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.765	292	95634	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.254	82	241	0.47	ng/ml	0.07	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.486	160	3573	0.17	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	228	0.14	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.907	128	157	N.D.			
5) 2-Methylnaphthalene	0.000		0	N.D.			
6) 1-Methylnaphthalene	0.000		0	N.D.			
7) 1,1'-Biphenyl	0.000		0	N.D.			
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.			
12) Acenaphthylene	9.498	152	86	N.D.			
13) Acenaphthene	0.000		0	N.D.			
14) Dibenzofuran	0.000		0	N.D.			
15) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.			
16) Fluorene	0.000		0	N.D.			
18) Dibenzothiopene	11.042	184	87	N.D.			
19) Phenanthrene	11.171	178	288	N.D.			
20) Anthracene	11.223	178	75	N.D.			
21) Carbazole	11.380	167	333	N.D.			
22) 1-Methylphenanthrene	11.800	192	131	N.D.			
23) Fluoranthene	12.435	202	251	N.D.			
25) Pyrene	12.727	202	195	N.D.			
27) Benz(a)anthracene	14.901	228	646	N.D.			
28) Chrysene	14.965	228	290	N.D.			
30) Benzo(b)fluoranthene	17.466	252	208	N.D.			
31) Benzo(k)fluoranthene	17.524	252	168	N.D.			
32) Benzo(b+k)fluoranthene	17.524	252	168	N.D.			
34) Benzo(e)pyrene	18.113	252	178	N.D.			
35) Benzo(a)pyrene	0.000		0	N.D.			
36) Perylene	18.439	252	178	N.D.			
38) Indeno(1,2,3-cd)Pyrene	20.770	276	158	N.D.			
39) Dibenz(a,h)anthracene	20.834	278	121	N.D.			
40) Benzo(g,h,i)perylene	21.301	276	89	N.D.			

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061912.D
 Acq On : 06 Sep 2019 04:18 pm
 Operator :
 Sample : 9I06028-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 10 10:28:34 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061913.D
 Acq On : 06 Sep 2019 04:51 pm
 Operator :
 Sample : 9I06028-CAL1
 Misc : 1x, A19I015@1
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:51 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

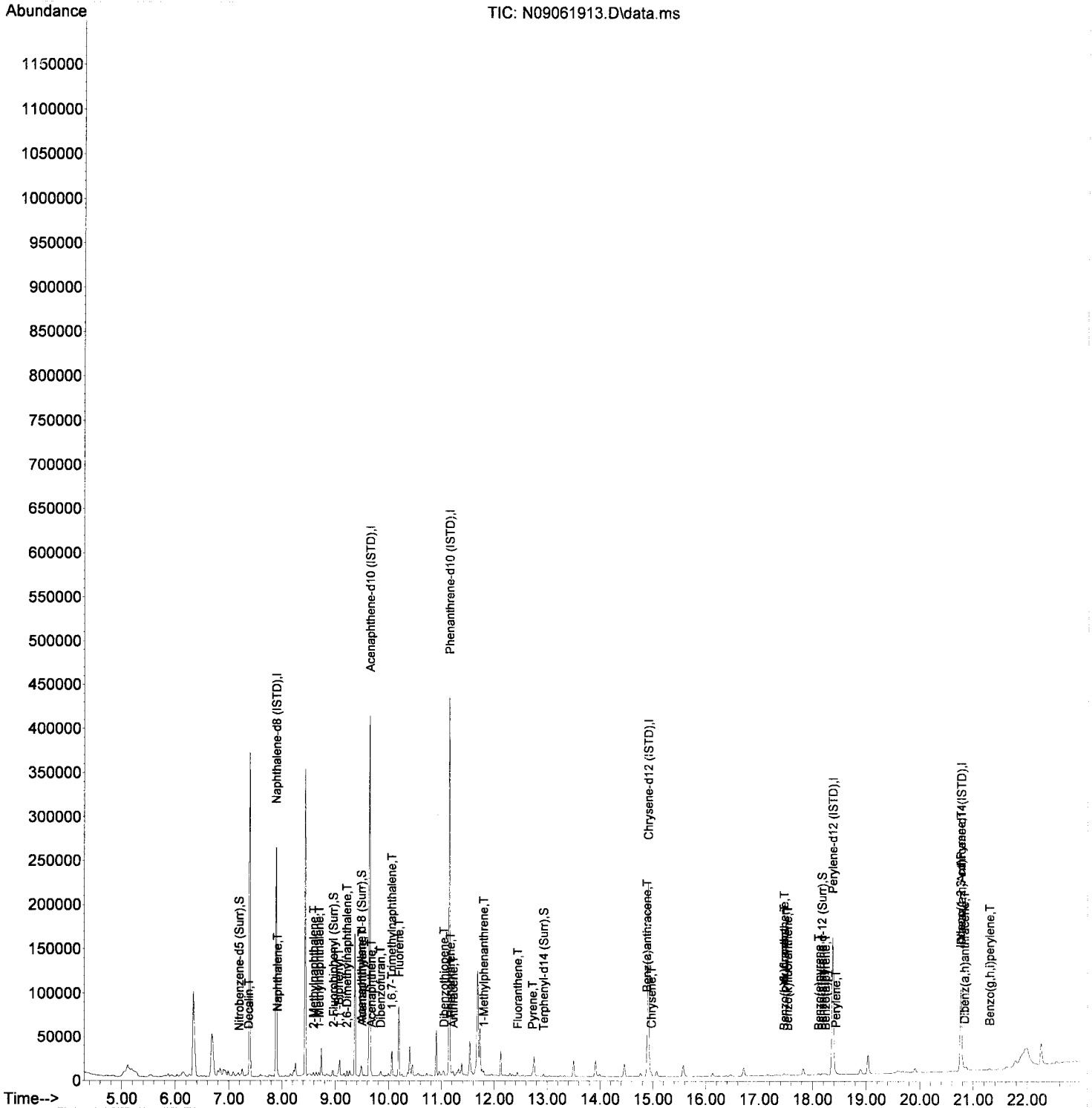
GK 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	173610	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	119749	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	214815	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	149008	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	120943	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.764	292	80323	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.189	82	679	1.18	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	1705	0.95	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.486	160	5840	0.98	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	1714	1.09	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.176	264	773	0.80	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	87	0.67	ng/ml#		38
4) Naphthalene	7.906	128	2011	1.05	ng/ml		99
5) 2-Methylnaphthalene	8.588	142	1551	0.96	ng/ml		94
6) 1-Methylnaphthalene	8.687	142	1426	0.88	ng/ml		100
7) 1,1'-Biphenyl	9.055	154	2122	0.97	ng/ml		93
8) 2,6-Dimethylnaphthalene	9.212	156	1429	0.90	ng/ml		93
12) Acenaphthylene	9.498	152	2455	0.94	ng/ml		98
13) Acenaphthene	9.672	153	1723	1.01	ng/ml		97
14) Dibenzofuran	9.847	168	2108	0.99	ng/ml		91
15) 1,6,7-Trimethylnaphtha...	10.057	170	1496	1.05	ng/ml		75
16) Fluorene	10.197	166	1639	0.94	ng/ml		98
18) Dibenzothiopene	11.042	184	2213	0.99	ng/ml		95
19) Phenanthrene	11.170	178	2765	1.10	ng/ml		99
20) Anthracene	11.223	178	2357	1.01	ng/ml		97
21) Carbazole	11.380	167	1874	No Calib			
22) 1-Methylphenanthrene	11.794	192	1725	0.99	ng/ml		92
23) Fluoranthene	12.435	202	2565	1.01	ng/ml		98
25) Pyrene	12.721	202	2435	1.05	ng/ml		96
27) Benz(a)anthracene	14.883	228	2077	1.20	ng/ml		98
28) Chrysene	14.965	228	1690	1.03	ng/ml		96
30) Benzo(b)fluoranthene	17.465	252	1351	0.97	ng/ml		95
31) Benzo(k)fluoranthene	17.529	252	1291	0.94	ng/ml		96
32) Benzo(b+k)fluoranthene	17.465	252	2690	0.94	ng/ml		97
34) Benzo(e)pyrene	18.112	252	1505	1.07	ng/ml		94
35) Benzo(a)pyrene	18.235	252	1189	1.00	ng/ml		99
36) Perylene	18.433	252	1255	0.85	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.759	276	970	0.98	ng/ml		74
39) Dibenz(a,h)anthracene	20.828	278	942	1.01	ng/ml		86
40) Benzo(g,h,i)perylene	21.295	276	1000	0.95	ng/ml		93

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061913.D
 Acq On : 06 Sep 2019 04:51 pm
 Operator :
 Sample : 9I06028-CAL1
 Misc : 1x, A19I015@1
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:51 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061914.D
 Acq On : 06 Sep 2019 05:23 pm
 Operator :
 Sample : 9I06028-CAL2
 Misc : 1x, A19I016@2.5
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:55 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

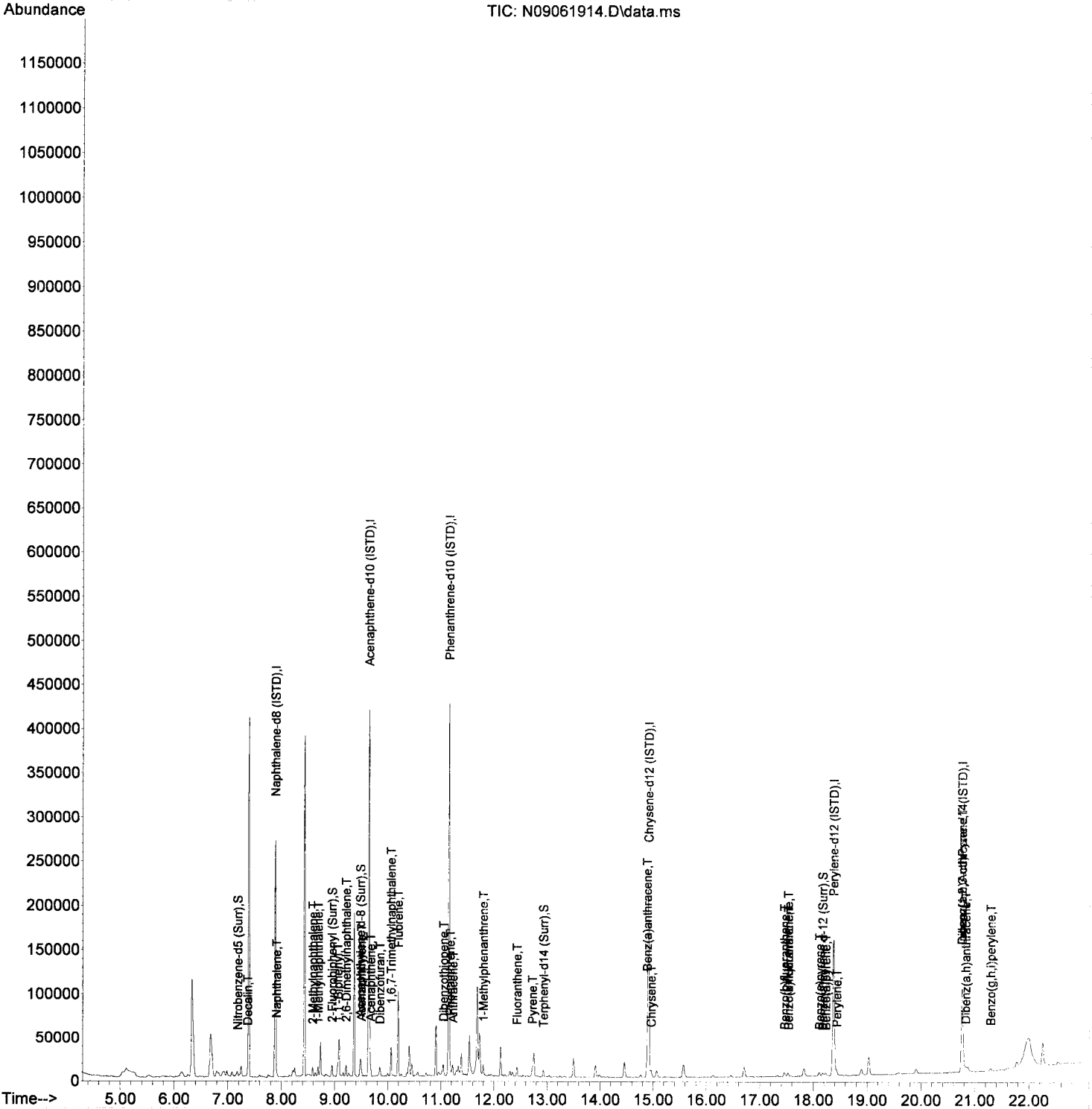
GR 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	170471	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	119278	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	215482	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	151986	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	123595	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	82584	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	1447	2.55	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	4658	2.62	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	9843	2.67	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	4151	2.60	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.171	264	2322	2.35	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	323	2.54	ng/ml		87
4) Naphthalene	7.906	128	4837	2.57	ng/ml		98
5) 2-Methylnaphthalene	8.588	142	3865	2.43	ng/ml		96
6) 1-Methylnaphthalene	8.688	142	3730	2.34	ng/ml		97
7) 1,1'-Biphenyl	9.055	154	5118	2.39	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.212	156	3622	2.31	ng/ml		97
12) Acenaphthylene	9.498	152	6483	2.50	ng/ml		98
13) Acenaphthene	9.673	153	4435	2.61	ng/ml		96
14) Dibenzofuran	9.847	168	5286	2.49	ng/ml		95
15) 1,6,7-Trimethylnaphtha...	10.057	170	3598	2.53	ng/ml		87
16) Fluorene	10.191	166	4189	2.41	ng/ml		94
18) Dibenzothiopene	11.042	184	5817	2.58	ng/ml		97
19) Phenanthrene	11.171	178	6430	2.55	ng/ml		99
20) Anthracene	11.223	178	5868	2.50	ng/ml		98
21) Carbazole	11.380	167	4473	No Calib			
22) 1-Methylphenanthrene	11.794	192	4331	2.47	ng/ml		98
23) Fluoranthene	12.429	202	6070	2.39	ng/ml		95
25) Pyrene	12.721	202	6620	2.79	ng/ml		98
27) Benz(a)anthracene	14.883	228	4639	2.63	ng/ml		97
28) Chrysene	14.959	228	4207	2.52	ng/ml		99
30) Benzo(b)fluoranthene	17.460	252	3353	2.35	ng/ml		96
31) Benzo(k)fluoranthene	17.530	252	3343	2.38	ng/ml		93
32) Benzo(b+k)fluoranthene	17.530	252	6909	2.37	ng/ml		93
34) Benzo(e)pyrene	18.112	252	3623	2.51	ng/ml		97
35) Benzo(a)pyrene	18.229	252	2658	2.18	ng/ml		100
36) Perylene	18.433	252	3787	2.52	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.759	276	2642	2.59	ng/ml		100
39) Dibenz(a,h)anthracene	20.823	278	2361	2.47	ng/ml		87
40) Benzo(g,h,i)perylene	21.289	276	2446	2.26	ng/ml		97

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061914.D
 Acq On : 06 Sep 2019 05:23 pm
 Operator :
 Sample : 9I06028-CAL2
 Misc : 1x, A19I016@2.5
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:55 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061915.D
 Acq On : 06 Sep 2019 05:55 pm
 Operator :
 Sample : 9I06028-CAL3
 Misc : 1x, A19I017@5
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:00 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

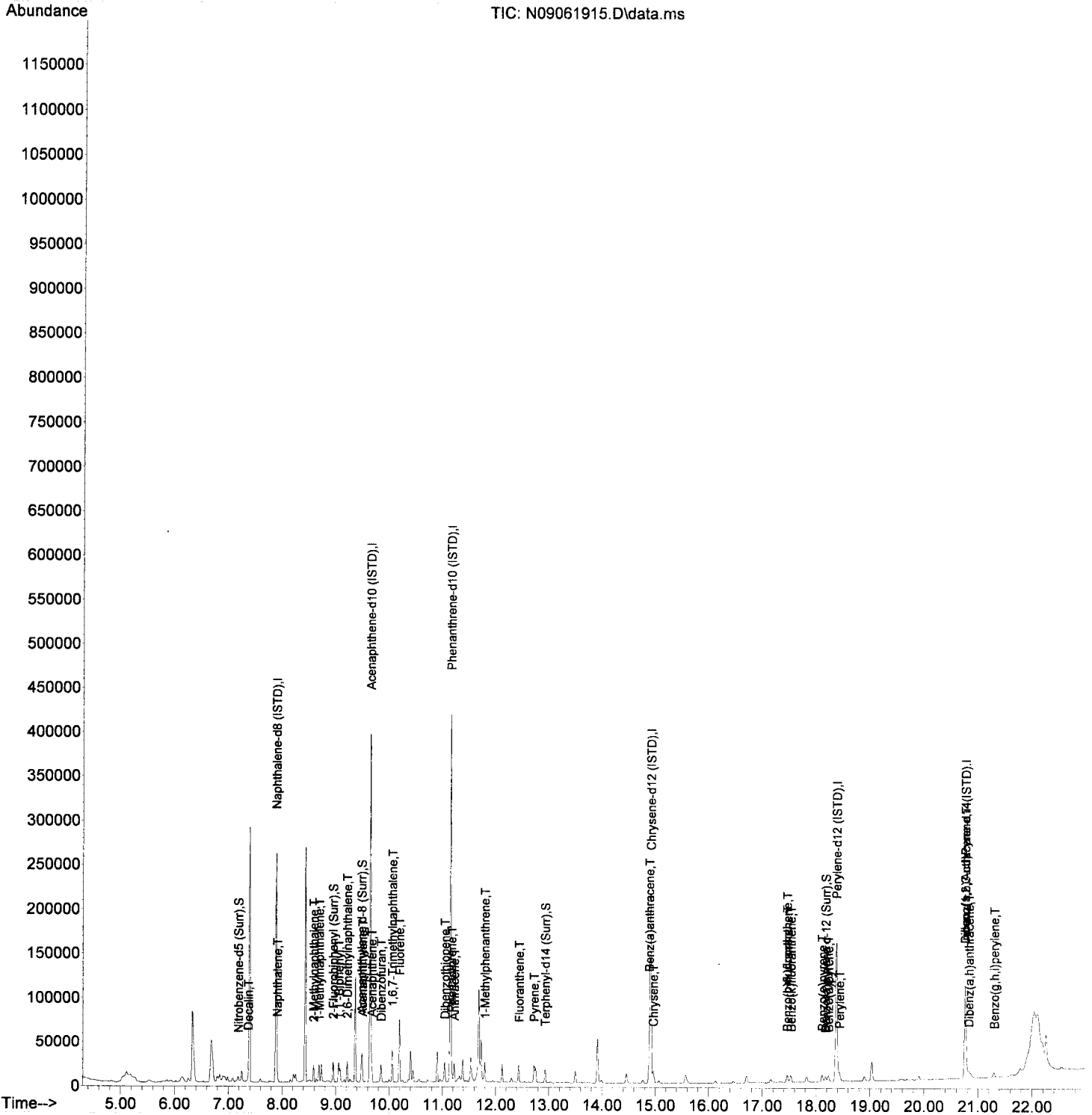
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	165670	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	115422	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	210311	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	150233	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	124460	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	83358	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	2621	4.76	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	8548	4.96	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	14409	4.79	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	7787	4.93	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	4638	4.66	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	582	4.72	ng/ml		91
4) Naphthalene	7.906	128	9092	4.93	ng/ml		99
5) 2-Methylnaphthalene	8.588	142	7294	4.71	ng/ml		97
6) 1-Methylnaphthalene	8.688	142	6937	4.48	ng/ml		96
7) 1,1'-Biphenyl	9.055	154	9300	4.47	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.212	156	6755	4.44	ng/ml		99
12) Acenaphthylene	9.498	152	12342	4.93	ng/ml		99
13) Acenaphthene	9.673	153	8103	4.94	ng/ml		98
14) Dibenzofuran	9.847	168	10021	4.87	ng/ml		99
15) 1,6,7-Trimethylnaphtha...	10.057	170	6769	4.92	ng/ml		98
16) Fluorene	10.191	166	8130	4.84	ng/ml		99
18) Dibenzothiopene	11.042	184	11105	5.05	ng/ml		97
19) Phenanthrene	11.171	178	11957	4.86	ng/ml		98
20) Anthracene	11.223	178	11026	4.82	ng/ml		99
21) Carbazole	11.380	167	8513	No Calib			
22) 1-Methylphenanthrene	11.794	192	8212	4.80	ng/ml		99
23) Fluoranthene	12.435	202	11610	4.68	ng/ml		98
25) Pyrene	12.721	202	11908	5.07	ng/ml		100
27) Benz(a)anthracene	14.883	228	8173	4.69	ng/ml		96
28) Chrysene	14.959	228	8164	4.95	ng/ml		96
30) Benzo(b)fluoranthene	17.460	252	6625	4.61	ng/ml		95
31) Benzo(k)fluoranthene	17.530	252	6760	4.78	ng/ml		96
32) Benzo(b+k)fluoranthene	17.460	252	13896	4.73	ng/ml		93
34) Benzo(e)pyrene	18.112	252	6692	4.61	ng/ml		98
35) Benzo(a)pyrene	18.229	252	5344	4.35	ng/ml		99
36) Perylene	18.433	252	7462	4.93	ng/ml		97
38) Indeno(1,2,3-cd)Pyrene	20.759	276	4940	4.80	ng/ml		95
39) Dibenz(a,h)anthracene	20.829	278	4673	4.84	ng/ml		98
40) Benzo(g,h,i)perylene	21.295	276	5171	4.74	ng/ml		92

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061915.D
 Acq On : 06 Sep 2019 05:55 pm
 Operator :
 Sample : 9I06028-CAL3
 Misc : 1x, A19I017@5
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:00 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061916.D
 Acq On : 06 Sep 2019 06:27 pm
 Operator :
 Sample : 9I06028-CAL4
 Misc : 1x, A19I018@10
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:05 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

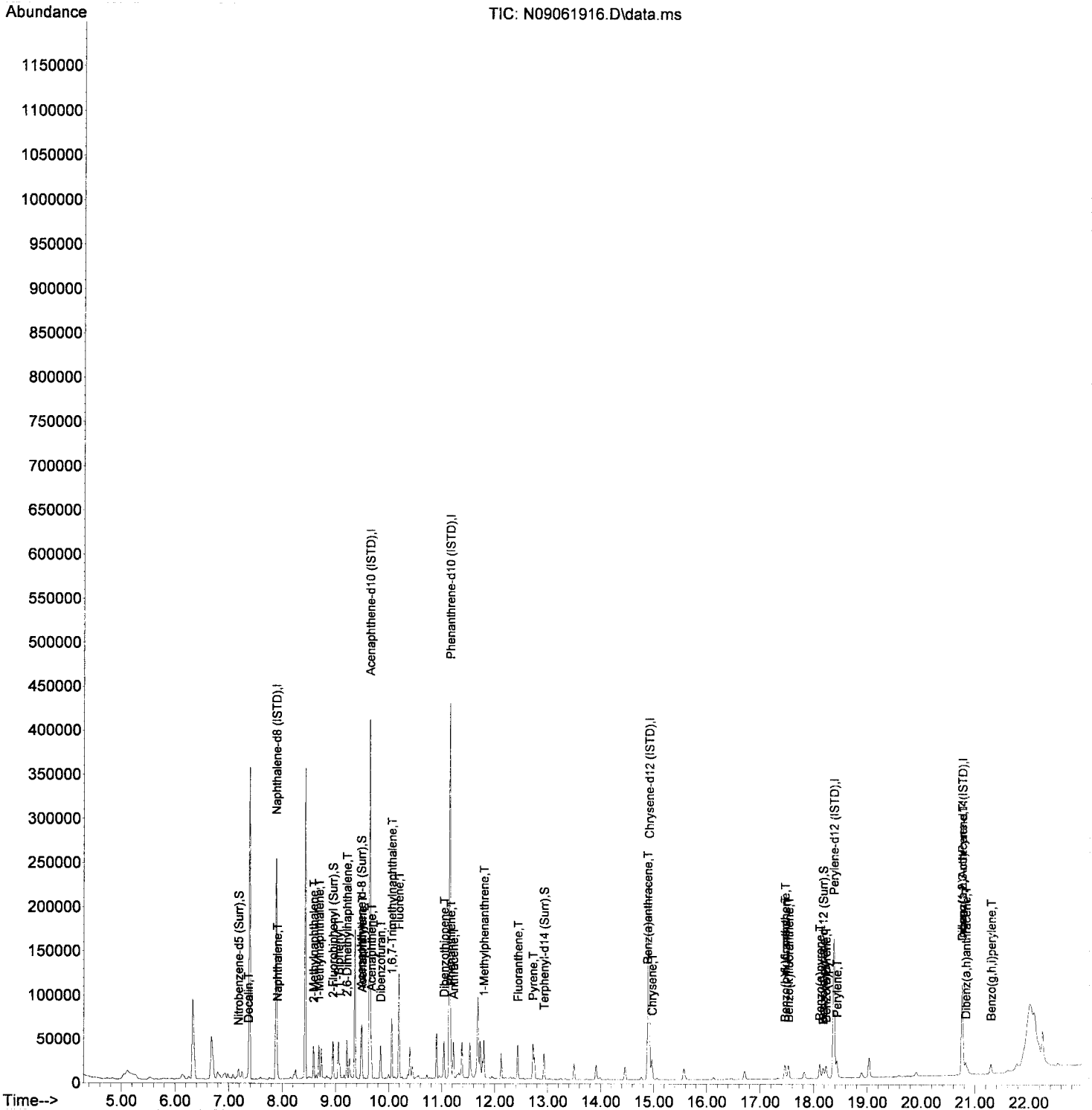
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	160906	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	118305	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	216396	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	153303	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	125859	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	82058	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	5073	9.49	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	17737	10.05	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	27001	9.97	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	16215	10.06	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	9551	9.49	ng/ml	0.00	
Target Compounds							
3) Decalin	7.365	138	1106	9.23	ng/ml	96	Qvalue
4) Naphthalene	7.907	128	18065	10.18	ng/ml	98	
5) 2-Methylnaphthalene	8.589	142	14250	9.48	ng/ml	98	
6) 1-Methylnaphthalene	8.688	142	14747	9.81	ng/ml	97	
7) 1,1'-Biphenyl	9.055	154	19088	9.44	ng/ml	99	
8) 2,6-Dimethylnaphthalene	9.212	156	13690	9.27	ng/ml	97	
12) Acenaphthylene	9.498	152	25683	10.00	ng/ml	98	
13) Acenaphthene	9.673	153	16768	9.97	ng/ml	99	
14) Dibenzofuran	9.848	168	21062	10.00	ng/ml	97	
15) 1,6,7-Trimethylnaphtha...	10.057	170	13937	9.88	ng/ml	99	
16) Fluorene	10.191	166	16819	9.77	ng/ml	100	
18) Dibenzothiopene	11.042	184	22465	9.93	ng/ml	98	
19) Phenanthrene	11.171	178	25204	9.95	ng/ml	100	
20) Anthracene	11.223	178	22988	9.76	ng/ml	100	
21) Carbazole	11.380	167	17697	No Calib			
22) 1-Methylphenanthrene	11.794	192	17190	9.77	ng/ml	100	
23) Fluoranthene	12.435	202	24321	9.53	ng/ml	98	
25) Pyrene	12.721	202	25073	10.47	ng/ml	99	
27) Benz(a)anthracene	14.883	228	16760	9.42	ng/ml	97	
28) Chrysene	14.965	228	16658	9.89	ng/ml	99	
30) Benzo(b)fluoranthene	17.466	252	13743	9.46	ng/ml	97	
31) Benzo(k)fluoranthene	17.530	252	13038	9.12	ng/ml	95	
32) Benzo(b+k)fluoranthene	17.466	252	28065	9.45	ng/ml	95	
34) Benzo(e)pyrene	18.113	252	13726	9.35	ng/ml	98	
35) Benzo(a)pyrene	18.229	252	11353	9.13	ng/ml	99	
36) Perylene	18.433	252	14964	9.77	ng/ml	97	
38) Indeno(1,2,3-cd)Pyrene	20.759	276	9774	9.66	ng/ml	91	
39) Dibenz(a,h)anthracene	20.829	278	9159	9.63	ng/ml	90	
40) Benzo(g,h,i)perylene	21.295	276	10267	9.56	ng/ml	92	

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061916.D
 Acq On : 06 Sep 2019 06:27 pm
 Operator :
 Sample : 9I06028-CAL4
 Misc : 1x, A19I018@10
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:05 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061917.D
 Acq On : 06 Sep 2019 07:00 pm
 Operator :
 Sample : 9I06028-CAL5
 Misc : 1x, A19I019@25
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LV114_BNA_ACQ.M

Quant Time: Sep 09 14:47:10 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

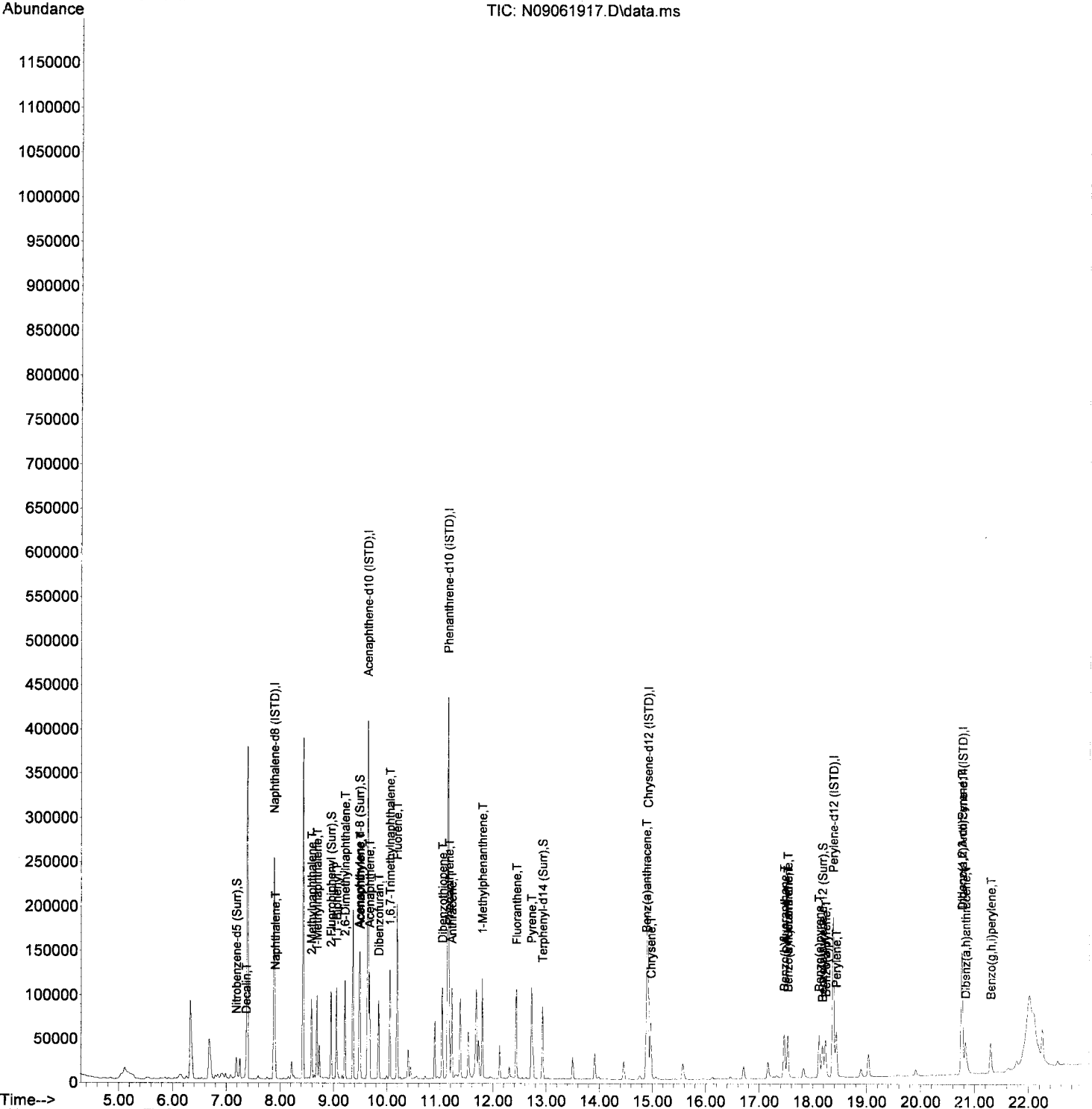
Handwritten: Jd 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	158689	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	118239	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	219818	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	167298	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	142122	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.765	292	96960	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	12124	22.99	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	44333	25.13	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	62320	24.95	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	44339	25.20	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	27791	24.45	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.365	138	2777	23.50	ng/ml		94
4) Naphthalene	7.907	128	43246	24.71	ng/ml		99
5) 2-Methylnaphthalene	8.589	142	35507	23.94	ng/ml		98
6) 1-Methylnaphthalene	8.688	142	36615	24.69	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	47414	23.77	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	35377	24.28	ng/ml		98
12) Acenaphthylene	9.498	152	64887	25.28	ng/ml		98
13) Acenaphthene	9.673	153	41951	24.95	ng/ml	100	
14) Dibenzofuran	9.848	168	52926	25.13	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.057	170	34543	24.50	ng/ml		99
16) Fluorene	10.191	166	43186	25.10	ng/ml		99
18) Dibenzothiopene	11.042	184	56622	24.63	ng/ml		98
19) Phenanthrene	11.171	178	63419	24.66	ng/ml	100	
20) Anthracene	11.223	178	58731	24.55	ng/ml		99
21) Carbazole	11.380	167	47604	No Calib			
22) 1-Methylphenanthrene	11.794	192	44094	24.68	ng/ml		99
23) Fluoranthene	12.435	202	63845	24.64	ng/ml		99
25) Pyrene	12.721	202	66093	25.29	ng/ml		99
27) Benz(a)anthracene	14.883	228	46578	23.98	ng/ml		99
28) Chrysene	14.965	228	45910	24.98	ng/ml		99
30) Benzo(b)fluoranthene	17.466	252	40093	24.45	ng/ml		97
31) Benzo(k)fluoranthene	17.530	252	40088	24.83	ng/ml		98
32) Benzo(b+k)fluoranthene	17.530	252	83294	24.83	ng/ml		98
34) Benzo(e)pyrene	18.113	252	40463	24.40	ng/ml		98
35) Benzo(a)pyrene	18.235	252	34709	24.73	ng/ml		99
36) Perylene	18.433	252	43783	25.33	ng/ml	100	
38) Indeno(1,2,3-cd)Pyrene	20.759	276	28895	24.16	ng/ml		94
39) Dibenz(a,h)anthracene	20.829	278	27156	24.16	ng/ml		92
40) Benzo(g,h,i)perylene	21.295	276	31234	24.62	ng/ml		92

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061917.D
 Acq On : 06 Sep 2019 07:00 pm
 Operator :
 Sample : 9I06028-CAL5
 Misc : 1x, A19I019@25
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:10 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061918.D
 Acq On : 06 Sep 2019 07:32 pm
 Operator :
 Sample : 9I06028-CAL6
 Misc : 1x, A19I020@50
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:15 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

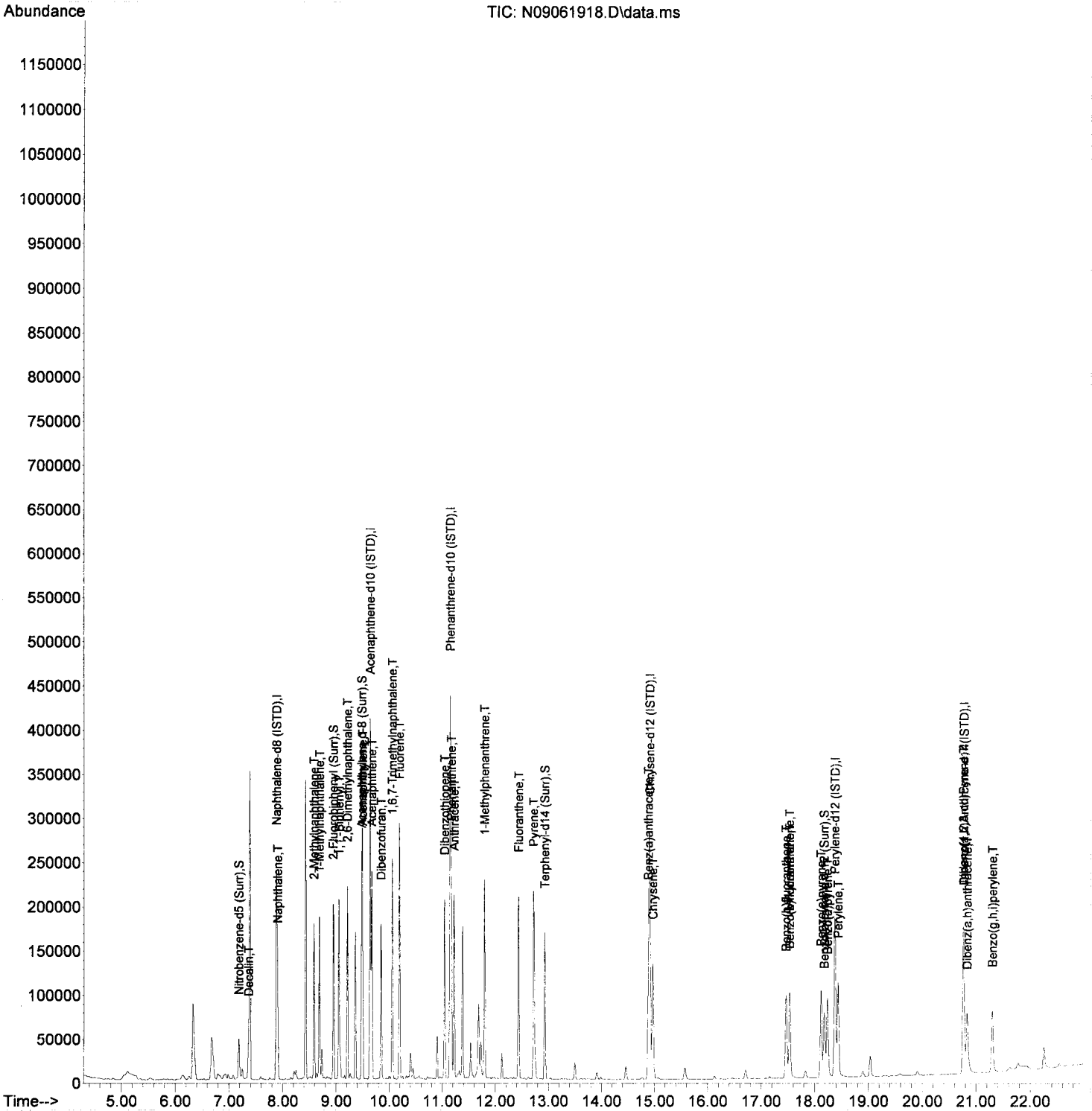
JD 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	148351	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	117951	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	219661	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	169841	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	142416	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.765	292	93265	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	23996	48.68	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	87417	49.68	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	119179	49.18	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	88785	49.70	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	57544	50.53	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	5568	50.41	ng/ml		97
4) Naphthalene	7.907	128	80326	49.09	ng/ml		99
5) 2-Methylnaphthalene	8.589	142	69811	50.35	ng/ml		98
6) 1-Methylnaphthalene	8.688	142	71477	51.56	ng/ml		97
7) 1,1'-Biphenyl	9.055	154	93359	50.06	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	69912	51.34	ng/ml		97
12) Acenaphthylene	9.498	152	128075	50.02	ng/ml		99
13) Acenaphthene	9.673	153	82212	49.02	ng/ml		100
14) Dibenzofuran	9.848	168	104783	49.88	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.057	170	68907	48.99	ng/ml		99
16) Fluorene	10.191	166	85319	49.71	ng/ml		100
18) Dibenzothiopene	11.042	184	113451	49.38	ng/ml		98
19) Phenanthrene	11.171	178	126501	49.21	ng/ml		100
20) Anthracene	11.223	178	118187	49.43	ng/ml		99
21) Carbazole	11.380	167	95634	No Calib			
22) 1-Methylphenanthrene	11.794	192	88417	49.52	ng/ml		99
23) Fluoranthene	12.435	202	128587	49.65	ng/ml		99
25) Pyrene	12.721	202	133393	50.27	ng/ml		100
27) Benz(a)anthracene	14.883	228	93207	47.27	ng/ml		100
28) Chrysene	14.965	228	91866	49.23	ng/ml		99
30) Benzo(b)fluoranthene	17.466	252	82867	50.43	ng/ml		98
31) Benzo(k)fluoranthene	17.530	252	79638	49.22	ng/ml		97
32) Benzo(b+k)fluoranthene	17.530	252	167848	49.93	ng/ml		97
34) Benzo(e)pyrene	18.118	252	81957	49.32	ng/ml		99
35) Benzo(a)pyrene	18.235	252	71520	50.85	ng/ml		98
36) Perylene	18.433	252	86757	50.08	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.759	276	57046	49.59	ng/ml		90
39) Dibenz(a,h)anthracene	20.829	278	53335	49.34	ng/ml		90
40) Benzo(g,h,i)perylene	21.295	276	61905	50.73	ng/ml		90

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061918.D
 Acq On : 06 Sep 2019 07:32 pm
 Operator :
 Sample : 9I06028-CAL6
 Misc : 1x, A19I020@50
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:15 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061919.D
 Acq On : 06 Sep 2019 08:04 pm
 Operator :
 Sample : 9I06028-CAL7
 Misc : 1x, A19I021@100
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:19 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

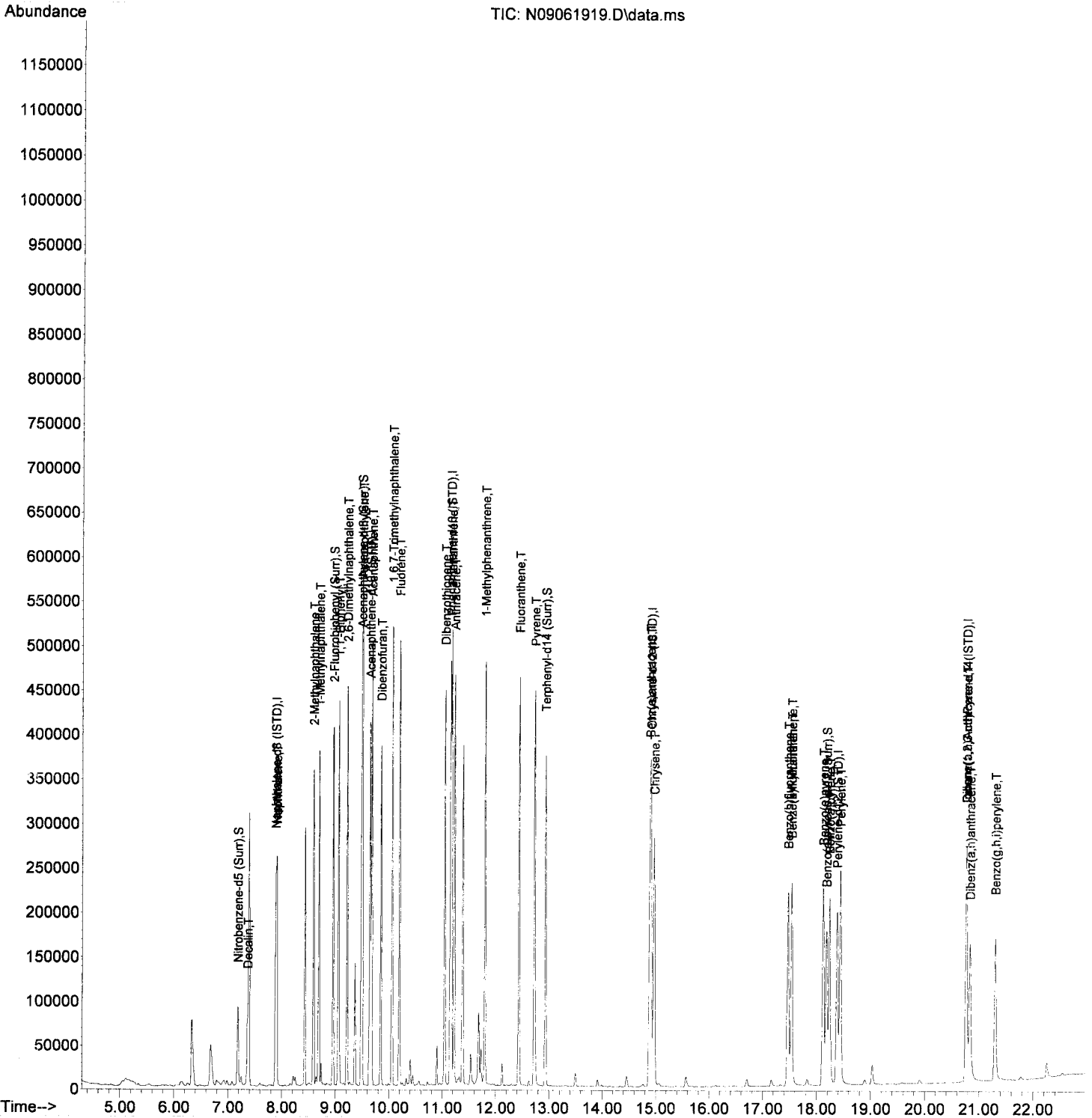
JD 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	148917	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	121411	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	233582	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	187274	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	159070	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.764	292	103600	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	48056	97.11	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	182001	100.48	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	248072	101.01	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	196418	99.72	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.182	264	134446	105.69	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	11430	103.09	ng/ml		94
4) Naphthalene	7.906	128	161201	98.15	ng/ml		100
5) 2-Methylnaphthalene	8.588	142	143766	103.29	ng/ml		99
6) 1-Methylnaphthalene	8.687	142	146804	105.50	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	197491	105.50	ng/ml		99
8) 2,6-Dimethylnaphthalene	9.212	156	148070	108.31	ng/ml		97
12) Acenaphthylene	9.498	152	272913	103.54	ng/ml		99
13) Acenaphthene	9.672	153	175245	101.51	ng/ml		100
14) Dibenzofuran	9.847	168	222327	102.81	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.057	170	147218	101.68	ng/ml		100
16) Fluorene	10.191	166	185216	104.84	ng/ml		99
18) Dibenzothiopene	11.042	184	245278	100.40	ng/ml		98
19) Phenanthrene	11.170	178	270427	98.94	ng/ml		100
20) Anthracene	11.223	178	259236	101.96	ng/ml		99
21) Carbazole	11.380	167	211369	No Calib			
22) 1-Methylphenanthrene	11.794	192	192550	101.41	ng/ml		98
23) Fluoranthene	12.435	202	280652	101.91	ng/ml		99
25) Pyrene	12.727	202	292089	99.83	ng/ml		99
27) Benz(a)anthracene	14.889	228	213884	98.37	ng/ml		99
28) Chrysene	14.971	228	205074	99.67	ng/ml		99
30) Benzo(b)fluoranthene	17.471	252	189979	103.50	ng/ml		97
31) Benzo(k)fluoranthene	17.535	252	190175	105.23	ng/ml		97
32) Benzo(b+k)fluoranthene	17.535	252	390913	104.11	ng/ml		97
34) Benzo(e)pyrene	18.124	252	188367	101.49	ng/ml		98
35) Benzo(a)pyrene	18.241	252	165951	105.68	ng/ml		99
36) Perylene	18.439	252	198533	102.60	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.764	276	130568	102.18	ng/ml		90
39) Dibenz(a,h)anthracene	20.834	278	122057	101.65	ng/ml		90
40) Benzo(g,h,i)perylene	21.301	276	143780	106.06	ng/ml		91

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061919.D
 Acq On : 06 Sep 2019 08:04 pm
 Operator :
 Sample : 9I06028-CAL7
 Misc : 1x, A19I021@100
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:19 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061920.D
 Acq On : 06 Sep 2019 08:37 pm
 Operator :
 Sample : 9I06028-CAL8
 Misc : 1x, A19I022@200
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:30 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

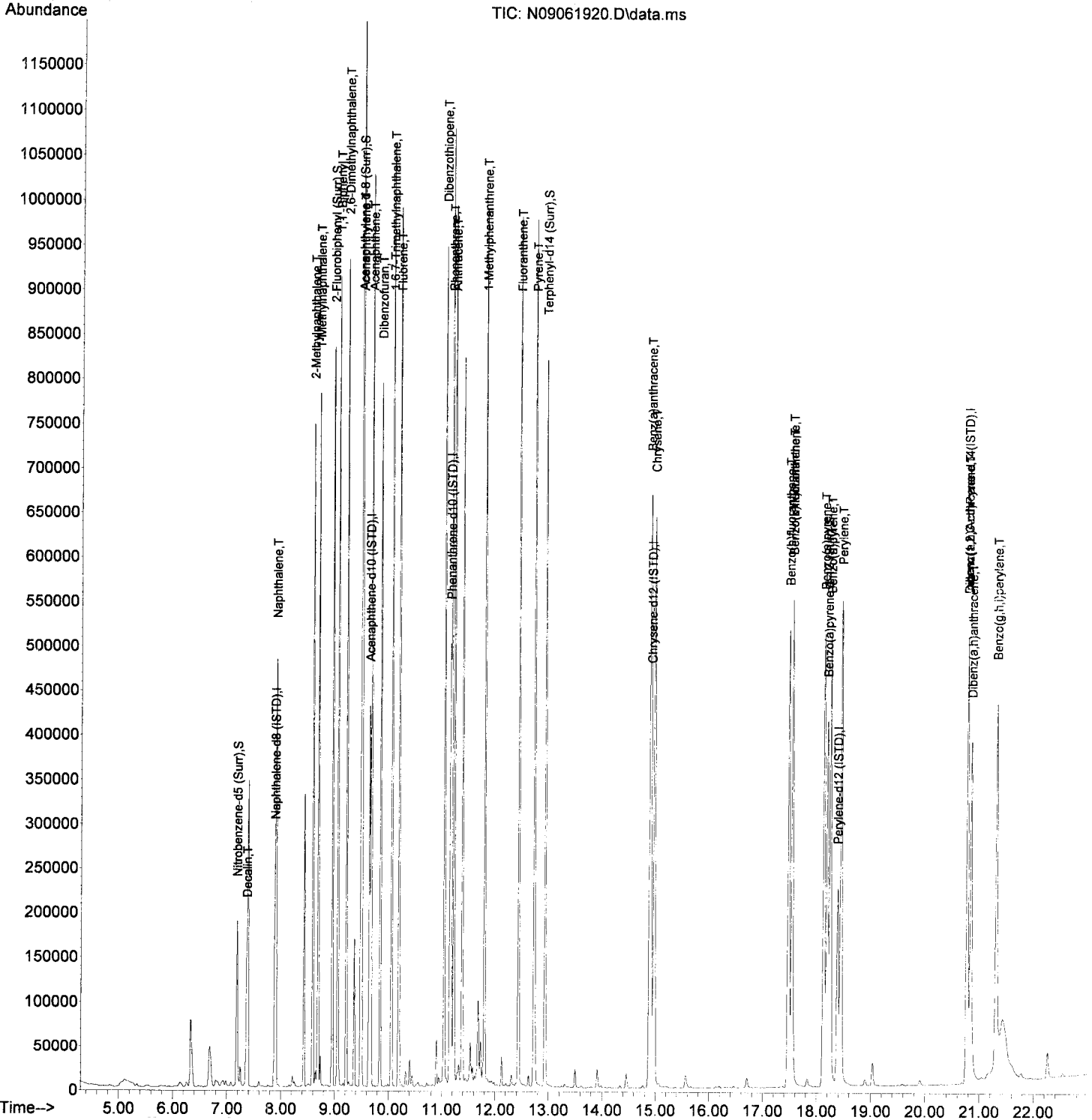
JK 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	148783	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	126650	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	244292	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.913	240	211033	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	182214	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.770	292	126578	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	99288	200.83	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	378966	200.57	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.486	160	514554	202.58	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	430770	194.09	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.188	264	322602	221.39	ng/ml	0.01	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	22829	206.09	ng/ml		95
4) Naphthalene	7.907	128	324908	198.00	ng/ml		100
5) 2-Methylnaphthalene	8.588	142	297992	214.30	ng/ml		98
6) 1-Methylnaphthalene	8.688	142	304942	219.34	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	413306	220.99	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	307564	225.18	ng/ml		99
12) Acenaphthylene	9.498	152	568160	206.64	ng/ml		99
13) Acenaphthene	9.673	153	362489	201.28	ng/ml		100
14) Dibenzofuran	9.848	168	462691	205.12	ng/ml		99
15) 1,6,7-Trimethylnaphtha...	10.057	170	307091	203.33	ng/ml		98
16) Fluorene	10.197	166	391380	212.38	ng/ml		99
18) Dibenzothiopene	11.042	184	515882	201.91	ng/ml		98
19) Phenanthrene	11.171	178	575793	201.42	ng/ml		100
20) Anthracene	11.223	178	544931	204.94	ng/ml		99
21) Carbazole	11.380	167	461912	No Calib			
22) 1-Methylphenanthrene	11.800	192	411489	207.21	ng/ml		99
23) Fluoranthene	12.435	202	599723	208.23	ng/ml		99
25) Pyrene	12.727	202	623857	189.22	ng/ml		100
27) Benz(a)anthracene	14.889	228	484834	197.88	ng/ml		99
28) Chrysene	14.971	228	465584	200.80	ng/ml		99
30) Benzo(b)fluoranthene	17.477	252	448476	213.30	ng/ml		96
31) Benzo(k)fluoranthene	17.541	252	445148	215.03	ng/ml		97
32) Benzo(b+k)fluoranthene	17.541	252	917698	213.36	ng/ml		97
34) Benzo(e)pyrene	18.130	252	441980	207.89	ng/ml		99
35) Benzo(a)pyrene	18.247	252	395245	219.68	ng/ml		98
36) Perylene	18.451	252	467343	210.85	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.770	276	319524	204.65	ng/ml		89
39) Dibenz(a,h)anthracene	20.840	278	302142	205.95	ng/ml		89
40) Benzo(g,h,i)perylene	21.307	276	353209	213.26	ng/ml		90

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

Data Path : N:\data\2019-09\9I06028\
Data File : N09061920.D
Acq On : 06 Sep 2019 08:37 pm
Operator :
Sample : 9I06028-CAL8
Misc : 1x, A19I022@200
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:30 2019
Quant Method : N:\methods\SV14_090619_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Sep 09 10:14:28 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061921.D
 Acq On : 06 Sep 2019 09:09 pm
 Operator :
 Sample : 9I06028-CAL9
 Misc : 1x, A19I023@300
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:34 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

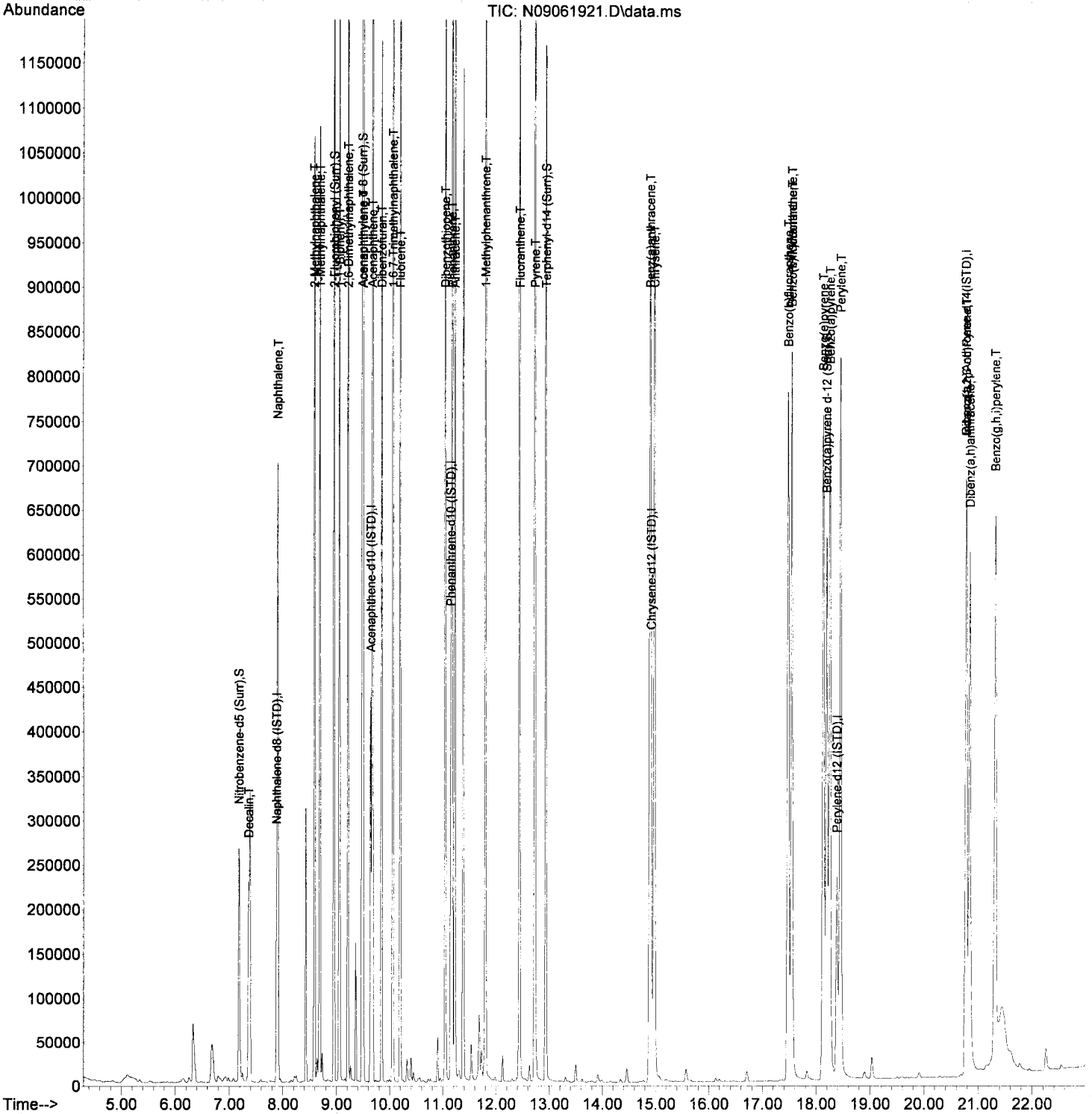
9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	144322	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	126204	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	242216	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.918	240	215566	100.00	ng/ml	0.01	
29) Perylene-d12 (ISTD)	18.386	264	189767	100.00	ng/ml	0.01	
37) Dibenz(a,h)Anthracene-d...	20.776	292	133133	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	146381	305.23	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.955	172	559316	297.07	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.486	160	745779	295.55	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.936	244	642064	283.20	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.194	264	500951	330.10	ng/ml	0.02	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	32583	303.24	ng/ml		97
4) Naphthalene	7.906	128	466678	293.18	ng/ml		100
5) 2-Methylnaphthalene	8.588	142	433604	321.46	ng/ml		99
6) 1-Methylnaphthalene	8.693	142	439781	326.10	ng/ml		99
7) 1,1'-Biphenyl	9.055	154	601929	331.80	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.218	156	447080	337.45	ng/ml		99
12) Acenaphthylene	9.498	152	818063	298.58	ng/ml		99
13) Acenaphthene	9.672	153	525474	292.81	ng/ml		99
14) Dibenzofuran	9.847	168	670519	298.30	ng/ml		100
15) 1,6,7-Trimethylnaphtha...	10.057	170	446194	296.47	ng/ml		97
16) Fluorene	10.197	166	565155	307.76	ng/ml		99
18) Dibenzothiopene	11.042	184	757296	298.94	ng/ml		98
19) Phenanthrene	11.170	178	823752	290.63	ng/ml		99
20) Anthracene	11.223	178	800967	303.81	ng/ml		100
21) Carbazole	11.380	167	683176	No Calib			
22) 1-Methylphenanthrene	11.800	192	600130	304.80	ng/ml		99
23) Fluoranthene	12.441	202	885026	309.92	ng/ml		98
25) Pyrene	12.727	202	915663	271.88	ng/ml		100
27) Benz(a)anthracene	14.895	228	736689	294.35	ng/ml		100
28) Chrysene	14.976	228	698605	294.96	ng/ml		99
30) Benzo(b)fluoranthene	17.483	252	692733	316.36	ng/ml		96
31) Benzo(k)fluoranthene	17.547	252	681890	316.29	ng/ml		97
32) Benzo(b+k)fluoranthene	17.547	252	1407871	314.29	ng/ml		97
34) Benzo(e)pyrene	18.136	252	676479	305.53	ng/ml		99
35) Benzo(a)pyrene	18.258	252	607972	324.39	ng/ml		98
36) Perylene	18.456	252	713926	309.27	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.782	276	498760	303.72	ng/ml		88
39) Dibenz(a,h)anthracene	20.846	278	471957	305.86	ng/ml		90
40) Benzo(g,h,i)perylene	21.318	276	546350	313.63	ng/ml		89

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

Data Path : N:\data\2019-09\9I06028\
Data File : N09061921.D
Acq On : 06 Sep 2019 09:09 pm
Operator :
Sample : 9I06028-CAL9
Misc : 1x, A19I023@300
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:34 2019
Quant Method : N:\methods\SV14_090619_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Sep 09 10:14:28 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061922.D
 Acq On : 06 Sep 2019 09:41 pm
 Operator :
 Sample : 9I06028-CALA
 Misc : 1x, A19I024@400
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

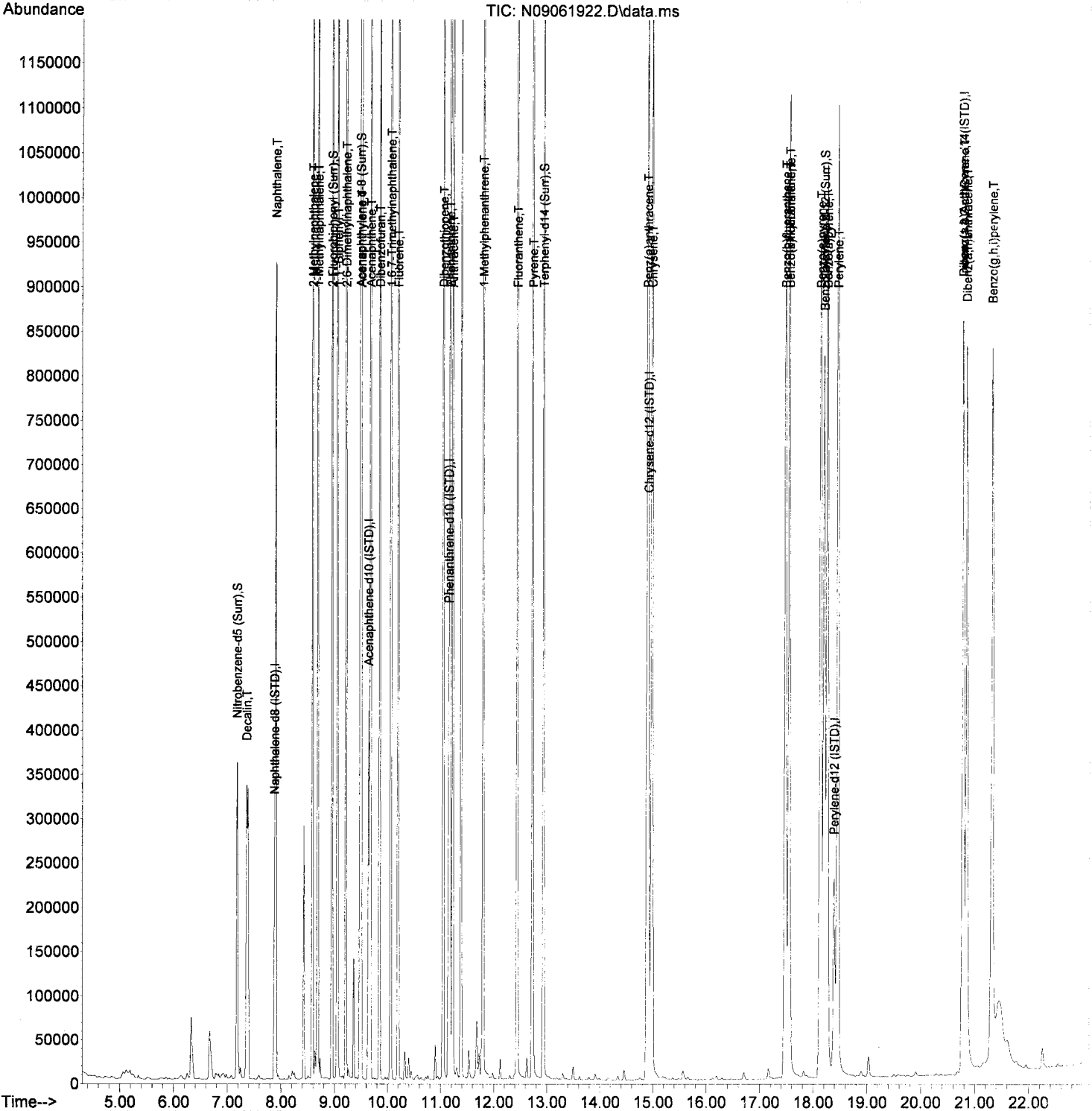
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.877	136	151798	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	120378	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	227701	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.913	240	211373	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.387	264	191099	100.00	ng/ml	0.01	
37) Dibenz(a,h)Anthracene-d...	20.776	292	134738	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.178	82	204654	405.72	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	721151	401.56	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	964800	401.86	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	855839	384.98	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.200	264	689197	450.98	ng/ml	0.02	
Target Compounds							
							Qvalue
3) Decalin	7.359	138	49479	437.80	ng/ml		96
4) Naphthalene	7.901	128	662079	395.46	ng/ml		100
5) 2-Methylnaphthalene	8.589	142	592165	417.39	ng/ml		99
6) 1-Methylnaphthalene	8.688	142	595669	419.94	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	776505	406.95	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	574431	412.22	ng/ml		99
12) Acenaphthylene	9.498	152	1039006	397.57	ng/ml		99
13) Acenaphthene	9.673	153	672408	392.83	ng/ml		99
14) Dibenzofuran	9.848	168	849810	396.36	ng/ml		99
15) 1,6,7-Trimethylnaphtha...	10.057	170	567245	395.14	ng/ml		98
16) Fluorene	10.191	166	710688	405.74	ng/ml		99
18) Dibenzothiopene	11.042	184	950081	398.95	ng/ml		98
19) Phenanthrene	11.171	178	1041489	390.88	ng/ml		99
20) Anthracene	11.223	178	1015402	409.70	ng/ml		100
21) Carbazole	11.380	167	865078	No Calib			
22) 1-Methylphenanthrene	11.794	192	771189	416.65	ng/ml		99
23) Fluoranthene	12.435	202	1148955	427.99	ng/ml		98
25) Pyrene	12.727	202	1201811	363.93	ng/ml		100
27) Benz(a)anthracene	14.889	228	991720	404.11	ng/ml		99
28) Chrysene	14.977	228	942172	405.69	ng/ml		99
30) Benzo(b)fluoranthene	17.483	252	952609	432.01	ng/ml		96
31) Benzo(k)fluoranthene	17.553	252	938589	432.32	ng/ml		96
32) Benzo(b+k)fluoranthene	17.553	252	1935514	429.07	ng/ml		96
34) Benzo(e)pyrene	18.136	252	924774	414.75	ng/ml		99
35) Benzo(a)pyrene	18.258	252	837229	443.59	ng/ml		98
36) Perylene	18.456	252	976822	420.21	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.782	276	691371	416.00	ng/ml		88
39) Dibenz(a,h)anthracene	20.846	278	656172	420.18	ng/ml		89
40) Benzo(g,h,i)perylene	21.318	276	751545	426.28	ng/ml		89

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061922.D
 Acq On : 06 Sep 2019 09:41 pm
 Operator :
 Sample : 9I06028-CALA
 Misc : 1x, A19I024@400
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:49 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

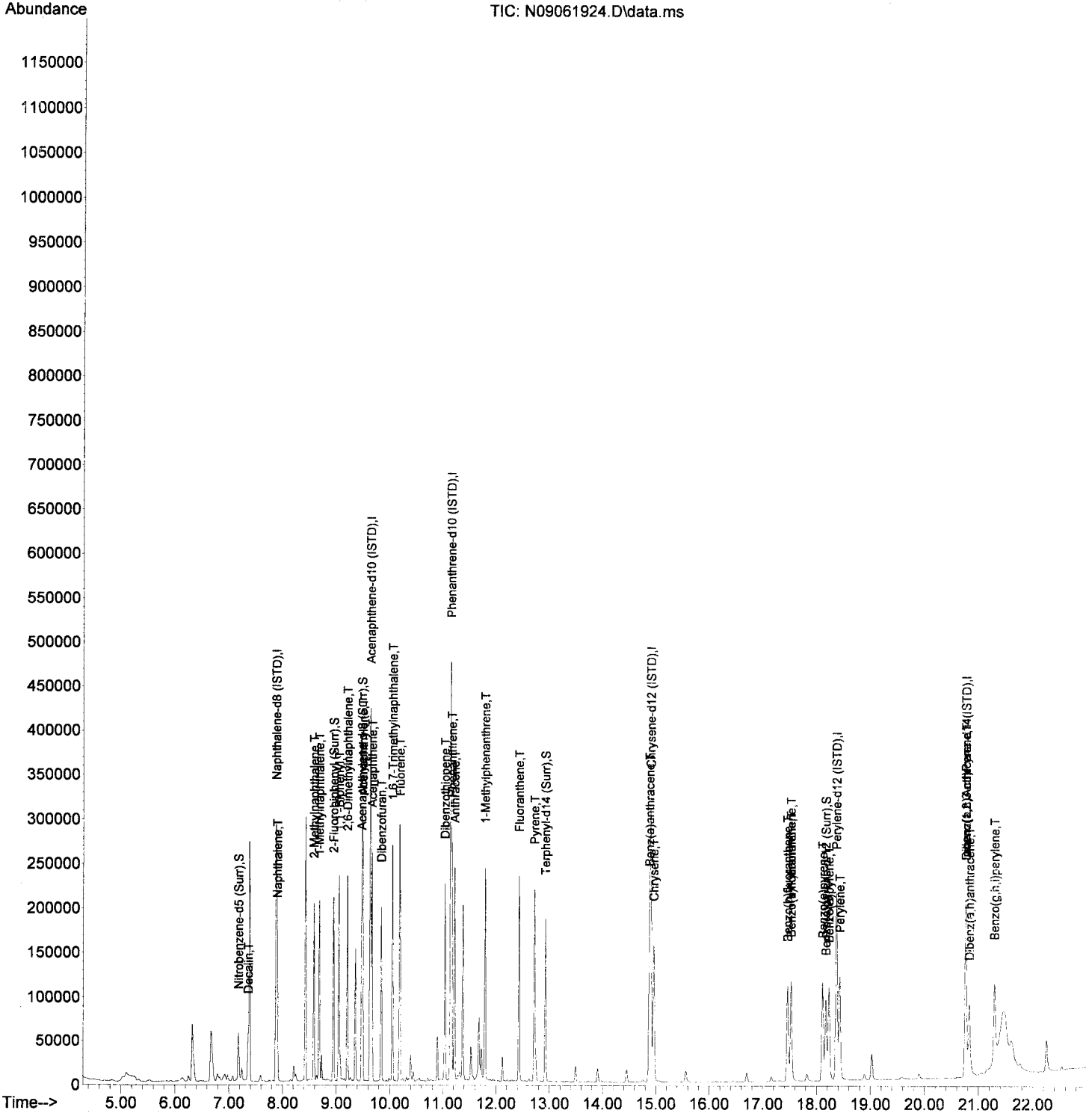
Handwritten signature/initials
 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.877	136	181748	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	125177	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.141	188	235054	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.901	240	188693	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.369	264	162940	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.759	292	108931	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.178	82	27909	46.21	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	92755	49.67	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.474	160	126796	49.31	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.925	244	96645	48.70	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.171	264	69335	53.21	ng/ml	0.00	
Target Compounds							
3) Decalin	7.359	138	6597	48.75	ng/ml		Qvalue 96
4) Naphthalene	7.901	128	100112	49.94	ng/ml		99
5) 2-Methylnaphthalene	8.583	142	79542	46.83	ng/ml		99
6) 1-Methylnaphthalene	8.682	142	81122	47.77	ng/ml		98
7) 1,1'-Biphenyl	9.049	154	105870	46.34	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.206	156	76410	45.80	ng/ml		98
12) Acenaphthylene	9.492	152	141177	51.95	ng/ml		99
13) Acenaphthene	9.667	153	89594	50.33	ng/ml		100
14) Dibenzofuran	9.842	168	113513	50.91	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.052	170	74864	50.15	ng/ml		99
16) Fluorene	10.191	166	92650	50.87	ng/ml		98
18) Dibenzothiopene	11.037	184	122412	49.79	ng/ml		98
19) Phenanthrene	11.165	178	138621	50.40	ng/ml		100
20) Anthracene	11.217	178	132505	51.79	ng/ml		99
21) Carbazole	11.375	167	104923	No Calib			
22) 1-Methylphenanthrene	11.788	192	98289	51.44	ng/ml		100
23) Fluoranthene	12.430	202	140103	50.56	ng/ml		99
25) Pyrene	12.721	202	144864	49.14	ng/ml		99
27) Benz(a)anthracene	14.878	228	106201	48.48	ng/ml		99
28) Chrysene	14.959	228	108583	52.38	ng/ml		99
30) Benzo(b)fluoranthene	17.460	252	95110	50.59	ng/ml		97
31) Benzo(k)fluoranthene	17.524	252	92505	49.97	ng/ml		97
32) Benzo(b+k)fluoranthene	17.524	252	193724	50.37	ng/ml		97
34) Benzo(e)pyrene	18.113	252	95583	50.28	ng/ml		98
35) Benzo(a)pyrene	18.229	252	82357	51.18	ng/ml		99
36) Perylene	18.427	252	100869	50.89	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.759	276	67142	49.97	ng/ml		89
39) Dibenz(a,h)anthracene	20.823	278	62283	49.33	ng/ml		90
40) Benzo(g,h,i)perylene	21.289	276	76359	53.57	ng/ml		91

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:49 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Sep 10 10:28:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

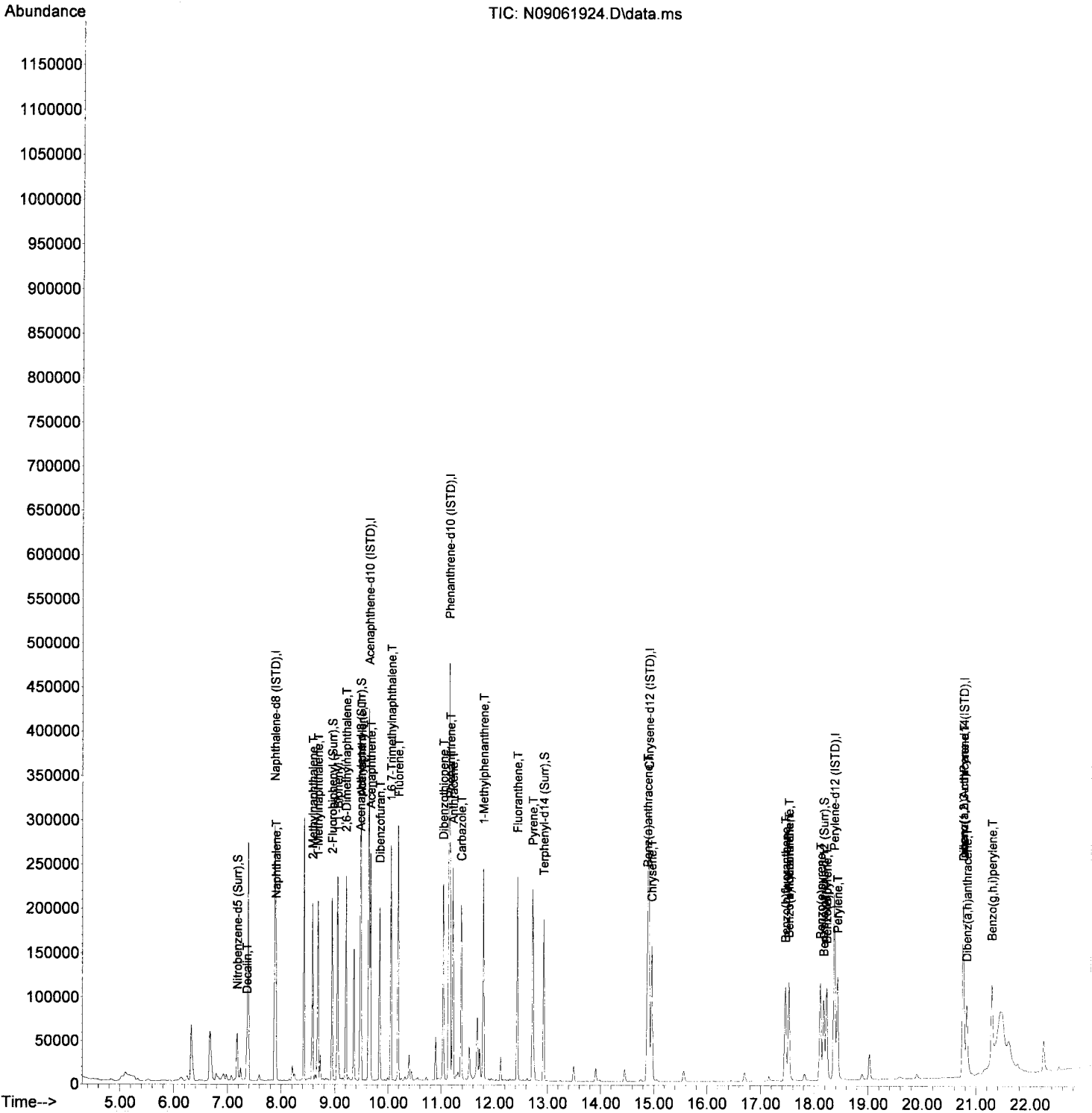
JD 9/10/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.877	136	181748	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	125177	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.141	188	235054	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.901	240	188693	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.369	264	162940	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	108931	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.178	82	27909	46.21	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	92755	49.67	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.474	160	126796	49.31	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.925	244	96645	48.70	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.171	264	69335	53.21	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.359	138	6597	48.75	ng/ml		96
4) Naphthalene	7.901	128	100112	49.94	ng/ml		99
5) 2-Methylnaphthalene	8.583	142	79542	46.83	ng/ml		99
6) 1-Methylnaphthalene	8.682	142	81122	47.77	ng/ml		98
7) 1,1'-Biphenyl	9.049	154	105870	46.34	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.206	156	76410	45.80	ng/ml		98
12) Acenaphthylene	9.492	152	141177	51.95	ng/ml		99
13) Acenaphthene	9.667	153	89594	50.33	ng/ml		100
14) Dibenzofuran	9.842	168	113513	50.91	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.052	170	74864	50.15	ng/ml		99
16) Fluorene	10.191	166	92650	50.87	ng/ml		98
18) Dibenzothiopene	11.037	184	122412	49.79	ng/ml		98
19) Phenanthrene	11.165	178	138621	50.40	ng/ml		100
20) Anthracene	11.217	178	132505	51.79	ng/ml		99
21) Carbazole	11.375	167	104923	50.68	ng/ml		99
22) 1-Methylphenanthrene	11.788	192	98289	51.44	ng/ml		100
23) Fluoranthene	12.430	202	140103	50.56	ng/ml		99
25) Pyrene	12.721	202	144864	49.14	ng/ml		99
27) Benz(a)anthracene	14.878	228	106201	48.48	ng/ml		99
28) Chrysene	14.959	228	108583	52.38	ng/ml		99
30) Benzo(b)fluoranthene	17.460	252	95110	50.59	ng/ml		97
31) Benzo(k)fluoranthene	17.524	252	92505	49.97	ng/ml		97
32) Benzo(b+k)fluoranthene	17.524	252	193724	100.73	ng/ml		97
34) Benzo(e)pyrene	18.113	252	95583	50.28	ng/ml		98
35) Benzo(a)pyrene	18.229	252	82357	51.18	ng/ml		99
36) Perylene	18.427	252	100869	50.89	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.759	276	67142	49.98	ng/ml		89
39) Dibenz(a,h)anthracene	20.823	278	62283	49.34	ng/ml		90
40) Benzo(g,h,i)perylene	21.289	276	76359	53.58	ng/ml		91

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 10 10:28:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



**Conventional Chemistry Parameters
Benchsheet & Analysis Sequence Data**

Total Organic Carbon- Soil (5310 B)

Batch 0020837

Sequence 0B27057 (A0B0681-01,02,03,04,05)



Apex Laboratories
PREPARATION BENCH SHEET

FEB 28 2020

BATCH #: 0020837 (Sediment)

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	Other	>11
	0020837-BLK1	QC	02/26/20 12:20	0.2	0.2									
	0020837-BS1	QC	02/26/20 12:20	0.2	0.2	A19K246		1						
	A0B0680-01	A Total Organic Carbon - Soil (5310 B)	02/26/20 17:00	0.2	0.2					PDI-049SC-A-03-04-191015				
	0020837-DUP1	QC	02/26/20 17:00	0.2	0.2		A0B0680-01							
	0020837-DUP2	QC	02/26/20 17:00	0.2	0.2		A0B0680-01							
	A0B0680-02	A Total Organic Carbon - Soil (5310 B)	02/26/20 17:00	0.2	0.2					PDI-049SC-A-04-05-191015				
	A0B0680-03	A Total Organic Carbon - Soil (5310 B)	02/26/20 17:00	0.2	0.2					PDI-049SC-A-05-06-191015				
	A0B0680-04	A Total Organic Carbon - Soil (5310 B)	02/26/20 17:00	0.2	0.2					PDI-049SC-A-06-07-191015				
	A0B0680-05	A Total Organic Carbon - Soil (5310 B)	02/26/20 17:00	0.2	0.2					PDI-049SC-A-07-08-191015				
	A0B0681-01	A Total Organic Carbon - Soil (5310 B)	02/26/20 12:20	0.2	0.2					PDI-022SC-A-03-04-191016				
	0020837-DUP3	QC	02/26/20 12:20	0.2	0.2		A0B0681-01				triplicate			
	A0B0681-02	A Total Organic Carbon - Soil (5310 B)	02/26/20 12:20	0.2	0.2					PDI-022SC-A-04-05-191016				
	A0B0681-03	A Total Organic Carbon - Soil (5310 B)	02/26/20 12:20	0.2	0.2					PDI-022SC-A-05-06-191016				
	A0B0681-04	A Total Organic Carbon - Soil (5310 B)	02/26/20 12:20	0.2	0.2					PDI-022SC-A-06-07-191016				
	A0B0681-05	A Total Organic Carbon - Soil (5310 B)	02/26/20 12:20	0.2	0.2					PDI-059SC-A-11-12-191016				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19F020	06/03/29	TOC Soil Drying Oven @70oC	A19K246	05/12/20	TOC 10k ppm secondary ✓			
A19J023	11/30/23	Wet Chem Balance 4						
A19J145	05/30/22	TOC Soil Blank Matrix ✓						
A19L107	06/06/20	10% Phosphoric Acid						

Prepared By: CMM Date: 2/28/2020

Reviewed By: [Signature] Date: 2/28/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0020837 (Sediment)

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	$\frac{8}{8}$	>11

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Date/Time:	2-27-20/10:40	2-27-20/14:09			Effervesces?	Comments
T(°C) IN / OUT:	71.8 / 71.2	71.7 / 69.8	/	/		
Sample ID	Wt 1(g)	Wt 2(g)	Wt 3(g)	Wt 4(g)	(yes/no)	
A0B0680-01	5.6906	5.6893-			N	
0020837-DUP1	4.4972	4.4974-			N	
A0B0680-02	5.0495	5.0523-			N	
A0B0680-03	5.1924	5.1931-			N	
A0B0680-04	7.7518	7.7506-			N	
A0B0680-05	5.6295	5.6267-			N	
A0B0681-01	7.9433	7.9435 /			N	
0020837-DUP3	6.7000	6.7000 /			N	
A0B0681-02	7.2241	7.2239 /			N	
A0B0681-03	5.8378	5.8356 /			N	
A0B0681-04	5.4237	5.4221 /			N	
A0B0681-05	5.6466	5.6455-			N	

A0B0680-01 → 05 in oven @ 12:20 2/26/2020 @ 71.8°C.
A0B0680-01 → 05 in oven @ 17:00 2/26/2020 @ 70.8°C.
DAS
2/27/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

FEB 28 2020

Sequence: 0B27057
Date: 02/27/20 17:34

Instrument: TOC6
Calibration: A0A0805

Table with columns: #, Lab Number, Matrix, Analysis, Client, Due, Batch, ISTD ID, STD ID. Contains 45 rows of sample data.

Data Entered By: [Signature] 2/28/2020 Comments:

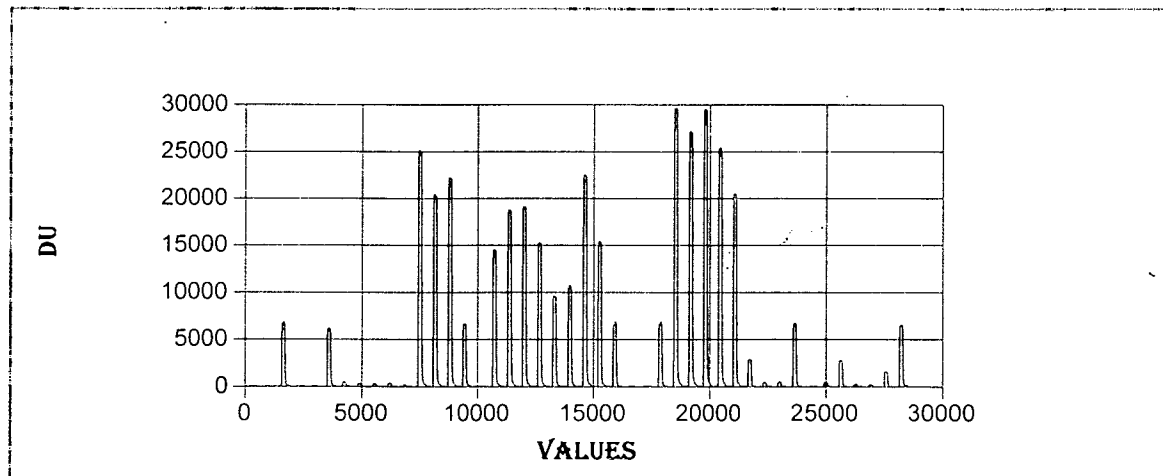
Data Reviewed By: [Signature] 2/28/20

Method: TCDirect Run Start Time: 2/27/2020 6:55:38 P
 Method Type: TC_DIRECT Run End Time: 2/28/2020 3:07:29 A
 Table: OB27057 ✓ Device ID: TOC6 ✓
 Analyst: Administrator Run Name: SN10020200227A0

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A99	prime	200	67.096	0.013	6160.725	2/27/2020 6:55:55 PM
A2	blank	200	25.814	0.005	1817.07	2/27/2020 7:06:55 PM
A1	OB27057-CCV1	200	9545.832	1.909	1003506.625	2/27/2020 7:17:48 PM
A2	OB27057-CCB1	200	47.038	0.009	4050.22	2/27/2020 7:28:34 PM
A3	0020836-BLK1	213.9	52.74 ✓	0.011	5035.885	2/27/2020 7:39:20 PM
A4	0020836-BS1	200	8934.441 RE-1 2/28/2020	1.787	939176.49	2/27/2020 7:50:07 PM
A5	A0B0679-01	201.5	667.19	0.134	69828.665	2/27/2020 8:00:53 PM
A6	0020836-DUP1	200.3	491.409	0.098	50884.175	2/27/2020 8:11:39 PM
A7	0020836-DUP2	201.3	432.652	0.087	44920.14	2/27/2020 8:22:26 PM
A8	A0B0679-02	202.7	552.764	0.112	58047.52	2/27/2020 8:33:13 PM
A9	A0B0679-03	202.1	287.619	0.058	29681.7	2/27/2020 8:44:00 PM
A10	A0B0679-04	201.6	36025.009	7.263	3819951.03	2/27/2020 8:54:46 PM
A11	A0B0679-05	201.4	29296.422	5.9	3103227.54	2/27/2020 9:05:33 PM
A12	A0B0679-06	200.5	32207.233	6.458	3396395.195	2/27/2020 9:16:20 PM
A13	OB27057-CCV2	200	9782.898 ✓	1.957	1028450.495	2/27/2020 9:27:06 PM
A2	OB27057-CCB2	200	77.105 ✓	0.015	7213.83	2/27/2020 9:37:53 PM
A14	A0B0679-07	205.7	20411.791	4.199	2208024.955	2/27/2020 9:48:47 PM
A15	A0B0679-08	202	26854.261	5.425	2852943.13	2/27/2020 9:59:40 PM
A16	A0B0679-09	201.2	27488.899	5.531	2908817.555	2/27/2020 10:10:27 PM
A17	A0B0679-10	201.6	21941.826	4.423	2326273.95	2/27/2020 10:21:14 PM
A20	A0B0679-12	200.7	13937.559	2.797	1470733.75	2/27/2020 10:32:00 PM
A21	A0B0679-13	202.6	14926.415	3.024	1590064.84	2/27/2020 10:42:54 PM
A22	A0B0679-14	101.6	64039.7	6.506	3422112.54	2/27/2020 10:53:40 PM
A23	A0B0679-15	103.9	42677.469	4.434	2331912.05	2/27/2020 11:04:27 PM
A24	OB27057-CCV3	200	9764.636 ✓	1.953	1026528.98	2/27/2020 11:15:14 PM
A2	OB27057-CCB3	200	75.211 ✓	0.015	7014.52	2/27/2020 11:26:00 PM
A25	0020837-BLK1	213.9	77.196 ✓	0.017	7787.91	2/27/2020 11:36:54 PM
A26	0020837-BS1	200	9739.25	1.948	1023857.94	2/27/2020 11:47:48 PM
A27	A0B0680-01	200.2	43083.28	8.625	4536826.29	2/27/2020 11:58:35 PM
A28	0020837-DUP1	201.7	39240.833	7.915	4163089.22	2/28/2020 12:09:22 AM
A29	0020837-DUP2	201.9	42392.25	8.559	4501958.095	2/28/2020 12:20:08 AM
A30	A0B0680-02	202.8	36341.701	7.37	3876482.84	2/28/2020 12:30:55 AM
A31	A0B0680-03	204.8	28891.649	5.917	3112018.78	2/28/2020 12:41:42 AM

A32	A0B0680-04	203.9	4144.876	0.845	443726.16	2/28/2020 12:52:28 AM
A33	A0B0680-05	202.2	678.77	0.137	71306.19	2/28/2020 1:03:15 AM
A34	A0B0681-01	202.2	740.353	0.15	77857.255	2/28/2020 1:14:02 AM
A35	0B27057-CCV4	200	9658.217	1.932	1015331.68	2/28/2020 1:24:48 AM
A2	0B27057-CCB4	200	61.722	0.012	5595.23	2/28/2020 1:35:35 AM
A36	0020837-DUP3	200.4	681.821	0.137	70985.15	2/28/2020 1:46:29 AM
A37	A0B0681-0102	205.9	3970.987	0.818	429251.19	2/28/2020 1:57:23 AM
A38	A0B0681-03	202.7	375.609	0.076	39155.79	2/28/2020 2:08:10 AM
A39	A0B0681-04	201.3	354.568	0.071	36650.825	2/28/2020 2:18:56 AM
A40	A0B0681-05	16.5	28177.495	0.465	243698.22	2/28/2020 2:29:43 AM
A41	0B27057-CCV4	200	9579.587	1.916	1007058.29	2/28/2020 2:40:30 AM
A2	0B27057-CCB4	200	51.632	0.01	4533.53	2/28/2020 2:51:31 AM

OK
2/28/2020



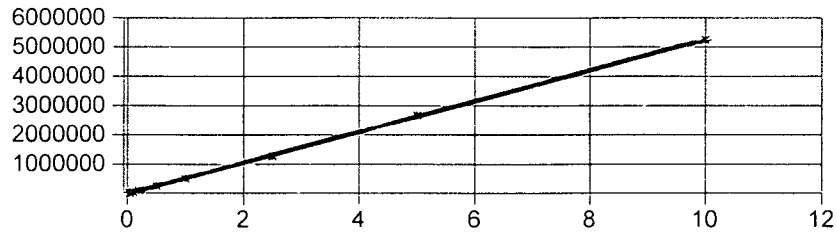
SNACCESS

RUN NAME : SN10020200108A1 METHOD NAME : TCDIRECT CALIBRATION TYPE : ISO

FIRST ORDER GROUP : 1

A = -899.10605459823300 B = 526096.46424181900000 R = 0.99994117364848 R-

SQUARED = 0.99988235075750



**Conventional Chemistry Parameters
Calibration Data**

Sequence 0A08052 (Cal ID A0A0805) TOC6



ELEMENT SEQUENCE LOG

Apex Laboratories

JAN 13 2020

Sequence: 0A08052

Instrument: TOC6

Date: 01/08/20 16:29

Calibration: A0A0805

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A08052-CAL1	Sediment	QC	QC				
2	0A08052-CAL2	Sediment	QC	QC				A20A053
3	0A08052-CAL3	Sediment	QC	QC				A20A054
4	0A08052-CAL4	Sediment	QC	QC				A20A056
5	0A08052-CAL5	Sediment	QC	QC				A20A057
6	0A08052-CAL6	Sediment	QC	QC				A20A058
7	0A08052-CAL7	Sediment	QC	QC				A20A059
8	0A08052-CAL8	Sediment	QC	QC				A20A060
9	0A08052-CAL9	Sediment	QC	QC				A20A061
10	0A08052-ICV1	Sediment	QC	QC				A19K246
11	0A08052-ICB1	Sediment	QC	QC				

Data Entered By: *CLM* 1/9/2020

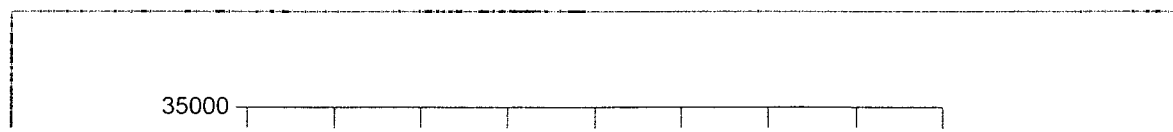
Comments: *SKalar ID SAN10020200108A1*
aw
1/9/2020

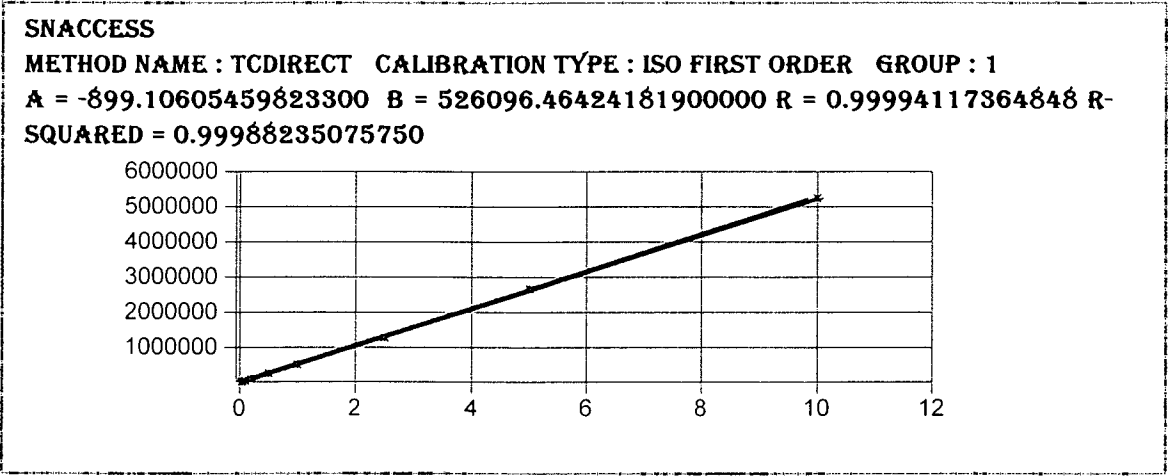
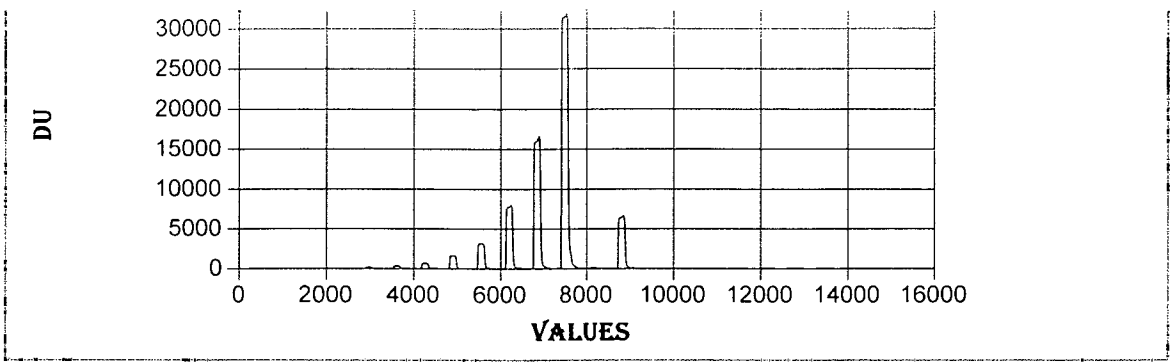
Data Reviewed By: *DMF* 1/10/20

Method: TCDirect Run Start Time: 1/8/2020 6:15:14 PM
 Method Type: TC_DIRECT Run End Time: 1/8/2020 10:40:22 P
 Table: OA08052 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200108A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	32.359	0.006	2505.73	1/8/2020 6:15:28 PM
A1	blank	200	8.545	0.002	0	1/8/2020 6:26:29 PM
A11	blank	200	8.545	0.002	0	1/8/2020 6:37:23 PM
A1	OA08052-CAL1	200	8.545	0.002	0	1/8/2020 6:48:17 PM
A2	OA08052-CAL2	40	1132.086	0.045/0.0002 = 225	22924.35	1/8/2020 6:59:11 PM
A3	OA08052-CAL3	100	1063.227	0.106 = 570	55036.88	1/8/2020 7:09:58 PM
A4	OA08052-CAL4	200	1039.388	0.208 = 1040	108464.545	1/8/2020 7:20:45 PM
A5	OA08052-CAL5	50	10075.077	0.504 = 2520	264124.015	1/8/2020 7:31:32 PM
A6	OA08052-CAL6	100	9827.481	0.983 = 4915	516121.2	1/8/2020 7:42:18 PM
A7	OA08052-CAL7	250	9761.05	2.44 = 12200	1282914.36	1/8/2020 7:53:05 PM
A8	OA08052-CAL8	500	10150.088	5.075 = 25375	2669063.5	1/8/2020 8:03:52 PM
A9	OA08052-CAL9	1000	9978.708	9.979 = 49895	5248863.92	1/8/2020 8:14:39 PM
A97	OA08052-IBL1	200	175.463	0.035	17562.96	1/8/2020 8:25:25 PM
A10	OA08052-ICV1	200	10013.587✓	2.003✓	1052723.4	1/8/2020 8:36:26 PM
A11	OA08052-ICB1	200	64.139✓	0.013✓	5849.56	1/8/2020 8:47:20 PM
A2	clean2	200	8.545	0.002	0	1/8/2020 8:58:06 PM
A3	clean3	200	8.545	0.002	0	1/8/2020 9:09:00 PM
A4	clean4	200	8.545	0.002	0	1/8/2020 9:19:46 PM
A5	clean5	200	8.545	0.002	0	1/8/2020 9:30:33 PM
A6	clean6	200	8.545	0.002	0	1/8/2020 9:41:20 PM
A7	clean7	200	8.545	0.002	0	1/8/2020 9:52:06 PM
A8	clean8	200	8.545	0.002	0	1/8/2020 10:02:53 PM
A9	clean9	200	49.259	0.01	4283.87	1/8/2020 10:13:40 PM
A10	clean10	200	8.545	0.002	0	1/8/2020 10:24:26 PM

Handwritten notes in the table:
 = 225
 = 570
 = 1040
 = 2520
 = 4915
 = 12200
 = 25375
 = 49895
 1/9/2020





**Total Solids by SM2540G
Benchsheet Data**

Batch 0020801 (A0B0681-01,02,03,04,05)



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0020801 (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
A0B0681-01	Dry Weight		02/26/20 10:30		1.27	29.13	23.45	79.6	Use Results from TS.. Make NR once completed.
A0B0681-01	Solids, Total (SM 254		02/26/20 10:30		1.27	29.13	23.45	79.6	Use Results for Dry Weight (Not for Waters)
0020801-DUP1	QC	A0B0681-01	02/26/20 10:30		1.28	29.825	23.32	77.2	
A0B0681-02	Dry Weight		02/26/20 10:30		1.27	28.05	25.26	89.6	Use Results from TS.. Make NR once completed.
A0B0681-02	Solids, Total (SM 254		02/26/20 10:30		1.27	28.05	25.26	89.6	Use Results for Dry Weight (Not for Waters)
A0B0681-03	Dry Weight		02/26/20 10:30		1.28	27.92	25.57	91.2	Use Results from TS.. Make NR once completed.
A0B0681-03	Solids, Total (SM 254		02/26/20 10:30		1.28	27.92	25.57	91.2	Use Results for Dry Weight (Not for Waters)
A0B0681-04	Dry Weight		02/26/20 10:30		1.28	28.055	25.58	90.8	Use Results from TS.. Make NR once completed.
A0B0681-04	Solids, Total (SM 254		02/26/20 10:30		1.28	28.055	25.58	90.8	Use Results for Dry Weight (Not for Waters)
A0B0681-05	Dry Weight		02/26/20 10:30		1.27	26.56	20.61	76.5	Use Results from TS.. Make NR once completed.
A0B0681-05	Solids, Total (SM 254		02/26/20 10:30		1.27	26.56	20.61	76.5	Use Results for Dry Weight (Not for Waters)

Prepared By: NAP Date: 2/27/20

Reviewed By: James A. Johnson Date: 02/28/20

Batch #: 0020801
 Analyst: nrp

Total Solids Worksheet

Date: 2/26/2020

Method: SM 2540 G

Sample ID	Tare Wt. (g)	Vessel ID	Initial (wet) Wt. (g)	Final Weight (g)			Comments
				1 st weighing	2nd Weighing	3rd Weighing	
A0B0681-01	1.270	681-01	29.130	23.460	23.450		
0020801-DUP1	1.280	681-01Dup	29.825	23.320	23.320		source: A0B0681-01
A0B0681-02	1.270	681-02	28.050	25.280	25.260		
A0B0681-03	1.280	681-03	27.920	25.580	25.570		
A0B0681-04	1.280	681-04	28.055	25.590	25.580		
A0B0681-05	1.270	681-05	26.560	20.620	20.610		
Date/time first in oven: 2/26/20@17:40		Oven temp. (°C; in/out):		99.8/103.5	96.1/103.0	/	
		Time of weighing:		2/27@14:52	2/27@18:10		

Balance Checksheets

Extractions February 2020
Wet Chem February 2020

Balance Challenge Log

Extractions

AND FX-2000
ID# 5210177

Weight ID	weight (g)	acceptance range (g)	
	=/ < 1g	± 0.02g	
	> 1g	± 2%	
10077	0.5g	0.48	0.52
1000143395	300g	294.00	306.00

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Alternate Weight/ID used:

Date Range:

Month: February
Year: 2020

Day/Time	Initials
1	
2	
3 07:22	AJJ
4 07:23	AJJ
5 07:39	CAH
6 07:25	CAH
7 07:31	CAH
8	
9	
10 07:20	JAG
11 07:15	CAH
12 07:25	JAG
13 11:35	AWA
14 07:23	JAG
15	
16	
17 7:17	CAH
18 08:22 1040	AJJ
19 09:25	JAG
20 08:31	AJJ
21 09:14	AJJ
22	
23	
24 07:05	JAG
25 07:40	JAG
26 07:15	JAG
27 07:30	CAH
28 07:20	JAG
29	
30	
31	

Weight One	Observed
	0.50
	0.49
	0.50
	0.49
	0.50
	.51
	.50
	.51
	.50
	.51
0.50g	
	0.50
	0.50
	.50
	0.50
	0.49
	.50
	.49
	.50
	0.51
	.51

Weight Two	Observed
	299.97
	299.99
	299.98
	299.99
	299.98
	299.98
	299.99
	299.99
	299.99
	299.98
	300.00
300.00g	
	299.99
	299.99
	299.99
	299.97
	299.97
	299.98
	299.97
	299.98
	299.99
	299.99

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: February
 Year: 2020

Alternate Weight/ID used: _____
 Date Range: _____

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1							
2							
3 10:10	MAS		99.9999	MAS 2.420 0.0998	0.0998		0.0050
4 10:40	MAS		99.9997		0.0999		0.0050
5 10:25	MAS		99.9997		0.0998		0.0050
6 10:15	MAS		99.9999		0.0999		0.0050
7 13:13	MAS		100.0002		0.1000		0.0048
8							
9							
10 11:42	MAS		99.9998		0.1000		0.0050
11 13:39	MAS		99.9997		0.0997		0.0051
12 11:36	MAS		99.9993		0.0999		0.0051
13	I						
14 10:36	MAS		99.9996		0.1002		0.0050
15							
16		100.0000g		0.1000g		0.0050g	
17 10:16	MAS		99.9993		0.1000		0.0051
18 9:56	AMB		99.9990		0.0999		0.0049
19 8:07	AMB		99.9989		0.1001		0.0051
20 11:50	MAS		99.9985		0.0998		0.0053
21 11:13	MAS		99.9982		0.0998		0.0049
22							
23							
24 10:40	MAS		99.9981		0.0999		0.0050
25 10:40	MAS		99.9981		0.1000		0.0050
26 10:32	MAS		99.9981		0.1000		0.0050
27 10:50	MAS		99.9982		0.1000		0.0047
28 12:30	MAS		99.9985		0.0999		0.0048
29							
30							
31							